APOPKA DEVELOPMENT REVIEW COMMITTEE AGENDA

June 10, 2026 9:00 AM

Apopka City Hall Commission Chambers

PUBLIC COMMENT PERIOD

SPECIAL EVENTS

1. **E-26-7 - Duran: 2650 - Northwest Recreation Complex 3710 Jason Dwelley Parkway - July 11th 2026 7:00am-10:00am**
   Owner(s): The Oak
   Applicant(s): Andrew Reyes
   Location: Northwest Recreation Complex - 3710 Jason Dwelley Parkway
   Proposed Use: Fitness/Workout Event
   Project Manager: Carolyn Ray

SITE PLAN:

CONSTRUCTION SITE PLAN

1. **CSP-26-8 - 7-11 Ocoee Apopka Road - Construction Site Plan (CSP), (2nd Submittal)**
   Owner(s): Shoppes at East Shore LLC
   Applicant(s): Kimley Horn and Associates Inc - Derek Ramsburg
   Location: 2501 Ocoee Apopka Road
   Proposed Use: Convenience Store/Fuel Station
   Project Manager: Jean Sanchez

2. **MDP-26-5 - 3716 Hogshead Road Warehouse - Construction Site Plan (CSP), (1st Submittal)**
   Owner(s): Laurel Bodega LLC
   Applicant(s): DSE Engineering - Dave Schmitt
   Location: 3716 Hogshead Road
   Proposed Use: 30,000 SF Warehouse
   Project Manager: Jean Sanchez

SUBDIVISION PLAN

1. **CSP-26-14 - Oakmoor (fka Ondich North) - Construction Site Plan (CSP), (2nd Submittal)**
   Owner(s): HMF-LLC and PM S-1 REO LLC
   Applicant(s): 1828 Engineering LLC - Luke Classon
   Location: Oak Lane, 3845 Ondich Road, 4255 Ondich Road, and 4267 Ondich Road
   Proposed Use: Residential Subdivision with 196 Individual Single Family Lots
   Project Manager: Jean Sanchez

DISCUSSION

ADJOURNMENT

Record No: E-26-7

Apopka Special Event Permit

Status: Active

Submitted On: 6/2/2026

Primary Location

No location

Owner

No owner information

Applicant

Andrew Reyes

[redacted]

Special Event Permit Application

Visit City of Apopka Events Page to learn more about what is happening in the City.

Name of the Event*

Duran: 2650

Event Date*

07/11/2026

Type of Event*

Other

If Other, please indicate event category*

Workout event on BBQ Row

Facility or Location*

Northwest Recreation Complex

Additional event details*

This is a workout event located on BBQ Row where participants will complete a series of exercises at the event site. This event will also involve first responder participation where FD Station 5 and APD will be present.

Event Applicant

A completed Special Event Permit application is required for all events with the City of Apopka. All events will be reviewed by our Development Review Committee for approval. The City of Apopka has the exclusive right to permit or deny an individual or organization facility use.

Once we have the complete special event application we will schedule for review and approval. Please note this may take time, as we suggest that all applications submitted at least 60 days prior to the event. Incomplete applications will not be reviewed.

Organization Name*

The Oak

Organization Address*

[redacted]

Contact Person's Email*

[redacted]

Is your organization a Non-Profit (501 c3) or Tax Exempt Organization?*

No

Dates & Times

Event Start Date*

07/11/2026

Event End Date*

7/11/2026

Is your event multiple days?*

No

Event Time (Start & End Time)*

7am

Load in date

07/11/2026

Load in Time

6am

Load out Date

07/11/2026

Load out time*

10am

Expected Attendance*

75

Event Details

Does your event include food concession? Please list the food concessionaire*

Will there be food food trucks?*

Yes

Will you be bringing in portable toilets?

–

Event Cleanup Plan: Promoters are responsible for cleaning up the site area and surrounding areas. Trash cans will be available for use. Large events (over 1,000 people) will require a cleaning company company onsite for their event.

Please provide the name of the cleaning company and how many staff will be on site for the duration of your event.

Will your event include tents?

Yes

Please indicate the size of tents (10x20 or large require additional permits)

10x10

Will you be serving alcohol at your event?*

No

Does your event require a road closure?*

No

Will you be hiring private security?*

No

Acknowledgements

INDEMNIFICATION AND HOLD HARMLESS AGREEMENT Renter/Applicant/Event Organizer/Organization agrees to waive, release and agrees to indemnify and hold harmless the City of Apopka its officers, agents, employees or any other person for any claim, demand, liability, costs, suits, charges or compensation for loss or injury of any kind arising out of a loss or bodily injury, including death at any time resulting therefrom, sustained by any person or persons, or on account of damage to property arising out of or in consequence of this agreement, in whole or in part, whether such injuries to persons or damage to property are due or claim to be due to any passive negligence of, or arising from, the negligence of the City of Apopka, its employees or agents, or any other person, including attorneys' fees, by reason of the liability imposed by law upon the City of Apopka except in case of the City of Apopka's sole negligence, for damage because of bodily injury, including death at any time resulting therefrom, sustained by any person or persons, or on account of damage to property arising out of or in consequence of this agreement, in whole or in part, whether such injuries to persons or damage to property are due or claim to be due to any passive negligence of its employees or agents or any other person. It is further understood and agreed that Renter/Applicant/Event Organizer/Organization shall, at the option of the City of Apopka, defend the City of Apopka with appropriate counsel and shall further bear all costs and expenses, including the expense of counsel, in the defense of any suit arising hereunder. This Waiver, Release and Hold Harmless/Indemnification Agreement is in consideration of the City of Apopka permitting the Renter/Applicant/Event Organizer/Organization to utilize property and/or facilities owned by the City of Apopka. Nothing herein shall be construed to extend the City of Apopka's liability beyond that provided in section 768.28, Florida Statutes. This agreement shall be governed by the laws of the State of Florida,

and venue shall lie exclusively in Orange County, Florida.*

☑

Insurance Requirements for Events

The acknowledges below indicates receipt of the Policy and Procedures for events that has been attached at the end of this document. *

☑

Applicant covenants and agrees that it will indemnify and hold harmless the City and all of the City's officer's, agents, and employees from claim, loss, damage, costs, charge or expense arising out of any act, action, neglect or omission by applicant during the performance of the event, whether direct, or indirect, and whether to any person or property to which the City of said parties may be subject.*

☑

The acknowledgement below indicates receipt of the Policy and Procedures for events that has been attached at the end of this document. *

☑

Curfew Policy Acknowledgment: I understand and agree that events must end by 8:00 PM (Sun–Thu) and 10:00 PM (Fri–Sat), and that exceeding curfew may result in deposit forfeiture and/or fees ($500 for 5–30 minutes over, $500+ for 30+ minutes over).*

☑

Applicant Signature*

Andrew J. Reyes
Jun 2, 2026

Date*

06/02/2026

SPECIAL EVENT INSURANCE REQUIREMENTS

INSURANCE REQUIREMENTS Before activity setup or any other site activity begins, the Renter/Applicant/Event Organizer/Organization must provide a Certificate of Insurance (including all required endorsements) to the City's Risk Management Division. All insurance policies must remain in effect from load-in through completion of load-out. The required limits may be satisfied through a combination of primary and excess/umbrella liability policies. Commercial General Liability Minimum limits: $1,000,000 Each Occurrence $2,000,000 General Aggregate Coverage must include: Premises and Operations Products and Completed Operations Contractual Liability Personal and Advertising Injury Damage to Rented Premises Sexual Abuse and Molestation Liability (if applicable) Spectator Liability (if applicable) Assault and Battery (if applicable) If alcohol is served: Liquor Liability $1,000,000 per occurrence Host Liquor acceptable only if alcohol is served free of charge Automobile Liability Applies to owned, hired, and non-owned autos. $300,000 Combined Single Limit (personal vehicles) $1,000,000 Combined Single Limit (commercial vehicles, food trucks, CMVs) Workers' Compensation Statutory compliance with: $1,000,000 Each Accident $1,000,000 Disease – Policy Limit $1,000,000 Disease – Each Employee Proof of exemption required if applicable. Additional Requirements All insurance policies shall: Name the City of Apopka as Additional Insured (except Workers' Compensation). Provide Waiver of Subrogation in favor of the City on all lines. Be Primary and Non-Contributory. Provide 30 days written notice of cancellation. Be issued by carriers rated A- VIII or better by A.M. Best. Include copies of all endorsement pages and form list schedules. Be subject to approval by the City. The insurance requirements set forth herein shall not be construed to limit or reduce the indemnification obligations of the Renter/Applicant/Event Organizer/Organization. Nothing herein shall be construed to extend the City's liability beyond that provided in §768.28, Florida Statutes. The original insurance certificates,

and all requested extensions to the insurance certificate, shall be sent to: City of Apopka 120 East Main Street Apopka, Florida 32703 Renter/Applicant/Event Organizer/Organization is solely responsible for all applicable policy premiums, deductibles, and/or self-insured retention attached to any required coverages. Said insurance coverages procured by Renter/Applicant/Event Organizer/Organization as required herein, including but not limited to any excess and/or umbrella coverages, shall be considered, and Renter/Applicant/Event Organizer/Organization agrees that said insurance coverages it procures as required herein shall be considered, as primary insurance over and above any other insurance, or self–insurance, available to the City, and that any other insurance, or self-insurance available to the City shall be considered secondary to, or in excess of, the insurance coverage(s) procured by Renter/Applicant/ Event Organizer/Organization, as required herein. Renter/Applicant/Event Organizer/Organization shall require and verify that all subcontractors, including but not limited to concessionaires, vendors, exhibitors, event security firm(s), concert technical and/or production firm(s), and entertainers, maintain insurance meeting all of the requirements stated herein, and include the City of Apopka as an additional insured. Furthermore, the insurance policy held by the Renter/Applicant/Event Organizer/Organization shall have no endorsement(s) restricting, limiting or excluding the subcontractors or work on behalf of the Renter/Applicant/Event Organizer/Organization by a subcontractor. Upon written request, the Renter/Applicant/ Event Organizer/Organization shall provide copies of documentation that verifies the additional insured status of the City of Apopka from these subcontractors. The Renter/Applicant/Event Organizer/Organization shall remain fully liable and responsible for the performance and compliance of all contracted work, regardless of whether the work was performed in full or in part by a subcontractor. The subcontracting of any part of this Agreement shall not relieve the Renter/Applicant/Event Organizer/Organization from any liability or

obligation under the Agreement, and the acts, errors, or omissions of the Renter/Applicant/Event Organizer/Organization's subcontractors shall be deemed to be the acts, errors, or omissions of the Renter/Applicant/Event Organizer/Organization. The insurance requirements set forth herein shall not be construed to limit or reduce the indemnification obligations of the Renter/Applicant/Event Organizer/Organization.

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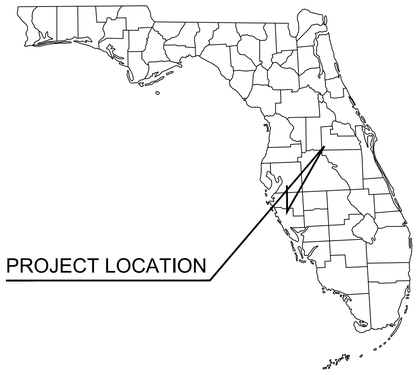


CONSTRUCTION SITE PLAN

FOR

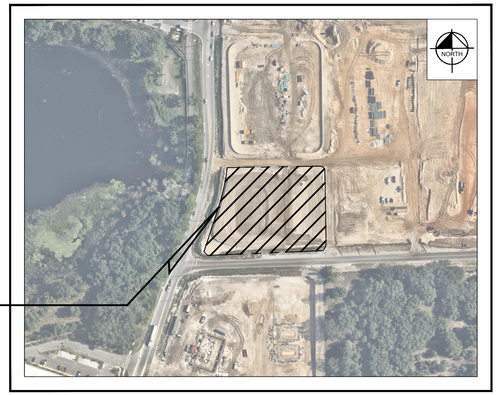
7-11 OCOEE APOPKA RD

(7-ELEVEN STORE #42990 OCOEE APOPKA RD AND KEENE RD)
(SITE #1057689)

ORANGE COUNTY PARCEL ID NO:
20-21-28-8000-04-000

APOPKA, FLORIDA

MAY 08, 2026



AERIAL PHOTOGRAPH
N.T.S.

LEGAL DESCRIPTION:

LOT 4 OF THE SHOPPES AT EAST SHORE ACCORDING TO THE PLAT THEREOF RECORDED IN PLAT BOOK 118, PAGE 17 OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA

PROJECT NARRATIVE:

7-11 OCOEE APOPKA ROAD IS A 1.97 ACRE COMMERCIAL PROJECT LOCATED AT THE NORTHEAST CORNER OF THE INTERSECTION OF OCOEE APOPKA RD AND WEST KEENE RD IN APOPKA, FL. THE PROJECT PROPOSES A CONVENIENCE STORE WITH FUEL SALES ALONG WITH ASSOCIATED INFRASTRUCTURE.

SECTION 20 , TOWNSHIP 21, RANGE 28

LOCATION MAP
N.T.S.

Sheet List Table	
Sheet Number	Sheet Title
C0.0	COVER
C1.0	GENERAL NOTES
C1.1	GENERAL NOTES
C2.0	SWPPP
C3.0	EXISTING CONDITIONS
C4.0	SITE PLAN
C4.1	OVERALL SITE PLAN
C4.2	FIRE TRUCK ROUTING PLAN
C4.3	TRASH ROUTING PLAN
C4.4	SEMI TRUCK ROUTING PLAN
C5.0	PGD PLAN
C6.0	UTILITY PLAN
C7.0	STANDARD DETAILS
C7.1	STANDARD DETAILS
C7.2	7-11 STANDARD DETAILS
C7.3	7-11 STANDARD DETAILS
C7.4	7-11 STANDARD DETAILS
C8.0	CITY OF APOPKA DETAILS
C8.1	CITY OF APOPKA DETAILS
C8.2	CITY OF APOPKA DETAILS
C8.3	CITY OF APOPKA DETAILS
C8.4	CITY OF APOPKA DETAILS
C8.5	ORANGE COUNTY DETAILS
L1.00	LANDSCAPE PLAN
L1.50	LANDSCAPE DETAILS
L1.51	LANDSCAPE SPECIFICATIONS AND NOTES
L2.00	IRRIGATION PLAN
L2.50	IRRIGATION DETAILS
L2.51	IRRIGATION NOTES

UTILITY PROVIDERS

WATER AND SEWER:
CITY OF APOPKA
120 E MAIN STREET
APOPKA, FL 32703
PHONE: (407) 703-1731

TELEPHONE/CABLE:
CHARTER
700 CARILLON PARKWAY, SUITE 6
ST. PETERSBURG, FL 33716

ELECTRIC :
DUKE ENERGY
452 E CROWN POINT RD
WINTER GARDEN, FL 34787
PHONE: (407) 938-6658

GAS:
LAKE APOPKA NATURAL GAS
1320 WINTER GARDEN-VINELAND RD
WINTER GARDEN, FL 34787

PROJECT TEAM

ARCHITECT:
INTERPLAN LLC
200 E. CENTRAL PKWY, SUITE 4000
ALTAMONTE SPRINGS, FL 32701
CONTACT: NICOLE WEIR
PHONE: (407) 645-5008

DEVELOPER:
APOPKA KEENE LLC (C/O BLACKFIN PARTNERS INVESTMENTS, LLC)
4440 PGA BOULEVARD, SUITE 600
PALM BEACH GARDENS, FL 33410
CONTACT: STEVE LIPOFSKY
PHONE: (561) 299-0036
EMAIL: DEVELOPMENT@BLACKFINPARTNERS.COM

CIVIL ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
200 SOUTH ORANGE AVENUE, SUITE 600
ORLANDO, FL 32801
CONTACT: DEREK E, RAMSBURG, P.E.
PHONE: (407) 427-1642
EMAIL: DEREK.RAMSBURG@KIMLEY-HORN.COM

OWNER:
SHOPPES AT EAST SHORE LLC
1200 NETWORK CENTRE DR
EFFINGHAM, IL 62401

SURVEYOR:
CFB SURVEYING
406 SILVER SPRINGS BLVD, SUITE 200
OCALA, FL 34470
CONTACT: JEREMY HALLICK

LANDSCAPE ARCHITECT:
KIMLEY-HORN AND ASSOCIATES, INC.
200 SOUTH ORANGE AVENUE, SUITE 600
ORLANDO, FL 32801
CONTACT: ZACK HALL, PLA
PHONE: (407) 768-3222
EMAIL: ZACK.HALL@KIMLEY-HORN.COM

PREPARED BY
Kimley»Horn

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200 S Orange Ave, Suite 600, Orlando, FL 32801
Phone: (407) 898-1511
WWW.KIMLEY-HORN.COM Registry No. 35106

Derek E Ramsburg Digitally signed by Derek E Ramsburg DN: cn=Derek E Ramsburg, o=KIMLEY-HORN AND ASSOCIATES, INC., ou=FLORIDA, email=DEREK.RAMSBURG@KIMLEY-HORN.COM, c=US Date: 2026.05.04 11:53:16-04'00'

NO.	REVISIONS	DATE	BY

Plotted By:Ellsworth, TJ Sheet Set:7-11 OCOEE APOPKA RD Layout:C0.0 May 08, 2026 11:41:42am K:\orl_civil\249180\18_7-11 ocoee apopka rd\CAD\CONST\plotsheets\C0.0 - COVER.dwg
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GENERAL

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING (HORIZONTALLY AND VERTICALLY) ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION AND FOR NOTIFYING THE VARIOUS UTILITY COMPANIES TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION, TEMPORARY DISTRIBUTION SERVICE, OR CLARIFICATION OF ACTIVITY REGARDING SAID UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THESE PLANS OR FIELD LOCATED. ALL OTHER UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANIES AND THE CONTRACTOR SHALL COOPERATE WITH THEM DURING RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED. CONTRACTOR SHALL CALL "SUNSHINE ONE" AT 811 TO HAVE EXISTING UTILITIES LOCATED AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
2. THE LOCATIONS OF ALL EXISTING UTILITIES, STORM DRAINAGE SYSTEMS, AND TOPOGRAPHIC FEATURES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. SHOULD A DISCREPANCY ARISE BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, WHICH WOULD APPRECIABLY AFFECT THE EXECUTION OF THESE PLANS, THE CONTRACTOR SHALL HALT CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY.
3. PRIOR TO THE INITIATION OF SITE CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ANY EXISTING UTILITIES INCLUDING GAS, WATER, ELECTRIC, CABLE TV, COMMUNICATIONS, SANITARY SEWERS AND STORM DRAINAGE SYSTEMS, ON AND / OR ADJACENT TO THE SITE. REMOVE OR CAP AS NECESSARY.
4. THE CONTRACTOR SHALL EXERCISE CAUTION IN AREAS OF BURIED UTILITIES AND SHALL CALL "SUNSHINE 811" AT 811 OR 1-800-432-4770 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION TO ARRANGE FOR FIELD LOCATIONS OF BURIED UTILITIES.
5. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED, BY THE CONTRACTOR OR SUB-CONTRACTORS, AS CALLED FOR IN THESE CONTRACT DOCUMENTS.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS SPECIFIED BY THE VARIOUS GOVERNMENTAL AGENCIES AND THE ENGINEER. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, SUCH AS RIGHT OF WAY PERMIT(S), EXCAVATION/FILL PERMIT(S), FIRE PROTECTION PERMIT(S), OR UNDERGROUND UTILITY PERMIT(S), PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL INSPECTION CRITERIA OF APPLICABLE AGENCIES, SCHEDULING OF INSPECTIONS, AND OBTAINING REQUIRED INSPECTIONS FROM AGENCY.
7. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, ON ALL PRECAST AND MANUFACTURED ITEMS, TO THE OWNER'S ENGINEER FOR REVIEW. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
8. ALL UTILITY SERVICE STUB-OUTS (WATER, SANITARY SEWER, etc.) ARE TO BE INSTALLED WITHIN 5' OF BUILDING(S), UNLESS OTHERWISE NOTED ON PLANS.
9. CONTRACTOR TO COORDINATE WITH THE APPLICABLE ELECTRIC UTILITY SUPPLIER REGARDING ANY NECESSARY RELOCATION(S) OF UNDERGROUND AND/OR OVERHEAD ELECTRIC FACILITIES, AND FOR THE LOCATION AND INSTALLATION OF TRANSFORMER PAD(S) AND ASSOCIATED ELECTRIC FACILITIES.
10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AN R-O-W UTILIZATION PERMIT (IF REQUIRED) FOR CONSTRUCTION OF THE PROPOSED UTILITIES. THIS PERMIT MUST BE OBTAINED BY A DULY LICENSED PLUMBING CONTRACTOR (OR CLASS A GENERAL CONTRACTOR) PRIOR TO THE START OF CONSTRUCTION. THESE PLANS AND ANY SUBSEQUENT REVISIONS TO THESE PLANS, THAT ARE ISSUED BY THE ENGINEER, WILL BE SUBJECT TO THE APPROVAL CONDITIONS OF THIS PERMIT.
11. THE GRAPHIC INFORMATION DEPICTED ON THESE PLANS HAS BEEN COMPILED TO PROPORTION BY SCALE AS ACCURATELY AS POSSIBLE. HOWEVER, DUE TO REPRODUCTIVE DISTORTION, REDUCTION, AND/OR REVISIONS, INFORMATION CONTAINED HEREIN IS NOT INTENDED TO BE SCALED FOR CONSTRUCTION PURPOSES.
12. ALL SPECIFICATIONS AND DOCUMENTS REFERENCED HEREIN SHALL BE OF THE LATEST REVISION.
13. ALL UNDERGROUND UTILITIES MUST BE IN-PLACE, TESTED AND INSPECTED PRIOR TO BASE AND SURFACE CONSTRUCTION.
14. WORK PERFORMED UNDER THIS CONTRACT SHALL INTERFACE SMOOTHLY WITH ANY OTHER WORK BEING PERFORMED ON SITE BY OTHER CONTRACTORS/SUBCONTRACTORS AND UTILITY COMPANIES. IT WILL BE NECESSARY FOR THE GENERAL CONTRACTOR TO COORDINATE AND SCHEDULE HIS/HER ACTIVITIES ACCORDINGLY.
15. ALL DIMENSIONS ARE TO FACE OF CURB.
16. ALL SIGNAGE MUST COMPLY WITH THE LAND DEVELOPMENT CODE OF THE CITY OF APOPKA, FLORIDA.
17. CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING ACTIVITIES NECESSARY TO PERFORM THE WORK WITHIN THESE PLANS.
18. THE CONTRACTOR SHALL RESTORE OFF-SITE CONSTRUCTION AREAS TO EQUAL AND/OR BETTER CONDITION THAN EXISTING PRIOR TO START OF CONSTRUCTION.
19. THE CONTRACTOR SHALL COMPLY WITH THE LEGAL LOAD RESTRICTIONS IN HAULING OF MATERIALS IN PUBLIC ROADS BEYOND THE LIMITS OF WORK. A SPECIAL PERMIT WILL NOT RELIEVE THE CONTRACTOR OF LIABILITY FOR THE DAMAGE WHICH MAY RESULT FROM THE MOVING OF MATERIAL AND EQUIPMENT.
20. SURVEY MONUMENTS OR BENCHMARKS, WHICH HAVE TO BE DISTURBED BY THIS WORK, SHALL BE REPLACED UPON COMPLETION OF WORK BY A A LICENSED LAND SURVEYOR CURRENTLY REGISTERED IN THE STATE OF FLORIDA.
21. CONTRACTOR IS TO ADJUST ANY UTILITY ELEMENT MEANT TO BE FLUSH WITH GRADE (CLEAN OUT MANHOLES, CATCH BASINS, INLETS, ETC.) THAT IS AFFECTED BY SITE WORK OR GRADE CHANGES, WHETHER SPECIFICALLY NOTED ON PLANS OR NOT.
22. ALL WORK PERFORMED WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF FDOT STANDARD PLANS, SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE LATEST UTILITY ACCOMMODATION MANUAL.

TREES AND VEGETATION

1. THE CONTRACTOR IS TO MINIMIZE THE REMOVAL OF VEGETATION TO THE GREATEST EXTENT PRACTICAL. SEE DEMOLITION PLAN FOR TREES TO BE REMOVED. TREES IN CLOSE PROXIMITY TO CONSTRUCTION SHALL BE PROTECTED BY WOOD FENCING PER DETAIL ON TREE PROTECTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPE BUFFERS AND RETENTION AND DETENTION FACILITIES UNTIL THE WORK HAS BEEN ACCEPTED BY THE OWNER. ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION.

DEMOLITION

1. CONTRACTOR SHALL SUBMIT DEMOLITION SCHEDULE TO OWNER PRIOR TO PROCEEDING WITH DEMOLITION ACTIVITIES.
2. EXTENT OF SITE CLEARING IS SHOWN ON DRAWINGS.
3. CONTRACTOR SHALL CONDUCT SITE DEMOLITION OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION.
4. CONTRACTOR SHALL PROVIDE PROTECTION NECESSARY TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS INDICATED ON PLAN "EXISTING TO REMAIN".
5. CONTRACTOR SHALL RESTORE DAMAGED IMPROVEMENTS TO THEIR ORIGINAL CONDITION, AS ACCEPTABLE TO PARTIES HAVING JURISDICTION.
6. CONTRACTOR SHALL REMOVE WASTE MATERIALS AND UNSUITABLE AND EXCESS TOPSOIL FROM PROPERTY AND DISPOSE OF OFF-SITE IN A LEGAL MANNER.
7. CONTRACTOR SHALL DEMOLISH AND COMPLETELY REMOVE FROM SITE MATERIAL INDICATED ON PLAN OR NOTES "TO BE REMOVED".
8. CONTRACTOR SHALL PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY THE DEMOLITION OPERATION.

STORM DRAINAGE SYSTEM

1. STANDARD INDEXES REFER TO THE LATEST EDITION OF F.D.O.T. "ROADWAY AND TRAFFIC DESIGN STANDARDS."
2. THE LATEST EDITION OF F.D.O.T. "DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM" IS REFERRED TO FOR THE STRUCTURAL DESIGN OF DRAINAGE STRUCTURES SPECIFIED IN THESE PLANS, AS REFERENCED BY STANDARD INDEX. ALL SPECIALTY DRAINAGE STRUCTURES REQUIRE SEPARATE STRUCTURAL DESIGN, WHICH IS NOT INCLUDED IN THESE PLANS. STATION OFFSETS ARE TO THE CENTERLINE OF THE STRUCTURE TOP (I.E. DITCH BOTTOM INLET OR CURB INLET TOP), AS OPPOSED TO THE STRUCTURE BASE.
3. ALL STORM SEWER PIPE SHALL BE REINFORCED CONCRETE CLASS III (ASTM C-76) UNLESS OTHERWISE NOTED ON PLANS. ALL DRAINAGE STRUCTURES SHALL BE IN ACCORDANCE WITH F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS UNLESS OTHERWISE NOTED ON PLANS.
4. PIPE LENGTHS SHOWN ARE APPROXIMATE AND TO CENTER OF DRAINAGE STRUCTURES, WITH THE EXCEPTION OF MITERED END AND FLARED END SECTIONS. LENGTHS OF PIPE SHOWN WHICH TERMINATE WITH MITERED END OR FLARED END SECTIONS ARE MEASURED TO THE DOWNSTREAM INVERT OF THE MITERED END OR FLARED END SECTION.
5. ALL DRAINAGE STRUCTURE GRATES AND COVERS, EITHER EXISTING OR PROPOSED SHALL BE TRAFFIC RATED FOR H-20 LOADINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY UPGRADES TO EXISTING DRAINAGE STRUCTURES.
6. CONSTRUCTION OF THE STORMWATER MANAGEMENT SYSTEM MUST BE COMPLETE AND ALL DISTURBED AREAS STABILIZED IN ACCORDANCE WITH THE PERMITTED PLANS AND CONDITIONS PRIOR TO ANY OF THE FOLLOWING: ISSUANCE OF THE FIRST CERTIFICATE OF OCCUPANCY; INITIATION OF INTENDED USE OF THE INFRASTRUCTURE; OR TRANSFER OF RESPONSIBILITY FOR MAINTENANCE OF THE SYSTEM TO A LOCAL GOVERNMENT OR OTHER RESPONSIBLE ENTITY.
7. STORM WATER PIPES, STRUCTURES, MINIMUM COVER, AND INSTALLATION PROCEDURES TO BE IN ACCORDANCE WITH THE LAND DEVELOPMENT CODE OF THE CITY OF APOPKA, FLORIDA.
8. DURING CONSTRUCTION, NO DIRECT DISCHARGE OF WATER TO DOWNSTREAM RECEIVING WATERS WILL BE ALLOWED. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WATER QUALITY AND SHALL ROUTE DISCHARGE WATER IN SUCH A MANNER AS TO ADEQUATELY REMOVE SILT PRIOR TO RUNOFF FROM THE SITE.

DRAINAGE SYSTEM TESTING AND INSPECTION

1. THE STORM DRAINAGE PIPING SYSTEM SHALL BE SUBJECT TO A VISUAL INSPECTION BY THE OWNER'S ENGINEER PRIOR TO THE PLACEMENT OF BACKFILL. CONTRACTOR TO NOTIFY THE ENGINEER 48 HOURS IN ADVANCE TO SCHEDULE INSPECTION.
2. THE CONTRACTOR SHALL MAINTAIN AND PROTECT FROM MUD, DIRT, DEBRIS, ETC. THE STORM DRAINAGE SYSTEM UNTIL FINAL ACCEPTANCE OF THE PROJECT. THE STORM SYSTEM WILL BE REINSPECTED BY THE OWNER'S ENGINEER PRIOR TO APPROVAL FOR CERTIFICATE OF OCCUPANCY PURPOSES. THE CONTRACTOR MAY BE REQUIRED TO RECLEAN PIPES AND INLETS AT THE CONTRACTORS EXPENSE AND PRIOR TO FINAL ACCEPTANCE.

SAFETY

1. ALL SUBSURFACE CONSTRUCTION SHALL COMPLY WITH THE "TRENCH SAFETY ACT". THE CONTRACTOR SHALL INSURE THAT THE METHOD OF TRENCH PROTECTION AND CONSTRUCTION IS IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY AND ENFORCE ALL APPLICABLE SAFETY REGULATIONS. THE ABOVE INFORMATION HAS BEEN PROVIDED FOR THE CONTRACTOR'S INFORMATION ONLY AND DOES NOT IMPLY THAT THE OWNER OR ENGINEER WILL INSPECT AND/OR ENFORCE SAFETY REGULATIONS.
2. DURING THE CONSTRUCTION AND/OR MAINTENANCE OF THIS PROJECT, ALL SAFETY REGULATIONS ARE TO BE ENFORCED. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF THE TRAVELING PUBLIC AND THE SAFETY OF HIS/HER PERSONNEL. LABOR SAFETY REGULATIONS SHALL CONFORM TO THE PROVISIONS SET FORTH BY OSHA IN THE FEDERAL REGISTER OF THE DEPARTMENT OF TRANSPORTATION. THE MINIMUM STANDARDS AS SET FORTH IN THE CURRENT EDITION OF "THE STATE OF FLORIDA, MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS" SHALL BE FOLLOWED IN THE DESIGN, APPLICATION, INSTALLATION, MAINTENANCE AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS NECESSARY TO PROTECT THE PUBLIC AND CONSTRUCTION PERSONNEL FROM HAZARDS WITHIN THE PROJECT LIMITS. CONTRACTOR SHALL PROVIDE FOR THE SAFETY AND CONTROL OF LOCAL TRAFFIC DURING CONSTRUCTION. ADDITIONAL INFORMATION MAY BE REQUIRED IF LANE CLOSURE DURATIONS ARE LONGER THAN DAYTIME OPERATIONS.

PAVING, GRADING AND DRAINAGE

1. ALL PAVING SHALL BE PERFORMED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADES, UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL TRIM, TACK AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT.
4. CURBING SHALL BE PLACED AT THE EDGES OF ALL PAVEMENT, UNLESS OTHERWISE NOTED. REFER TO THE LATEST EDITION OF F.D.O.T. "DESIGN STANDARDS" FOR DETAILS AND SPECIFICATIONS OF ALL F.D.O.T. TYPE CURB AND GUTTERS CALLED FOR IN THESE PLANS.
5. PRIOR TO CONSTRUCTING CONCRETE PAVEMENT, THE CONTRACTOR IS TO SUBMIT A PROPOSED JOINTING PATTERN TO THE SOILS ENGINEER FOR APPROVAL.
6. CONTRACTOR TO PROVIDE A 1/2" TO 1" BITUMINOUS EXPANSION JOINT MATERIAL WITH SEALER AT ABUTMENT OF CONCRETE AND OTHER MATERIALS (STRUCTURES, OTHER POURED)
7. ALL PAVEMENT MARKINGS SHALL BE MADE IN ACCORDANCE WITH F.D.O.T. DESIGN STANDARDS.
8. THE CONTRACTOR WILL STABILIZE BY SEED AND MULCH, SOD, OR OTHER APPROVED MATERIALS ANY DISTURBED AREAS WITHIN ONE WEEK FOLLOWING CONSTRUCTION OF THE UTILITY SYSTEMS AND PAVEMENT AREAS. CONTRACTOR SHALL MAINTAIN SUCH AREAS UNTIL FINAL ACCEPTANCE BY OWNER. CONTRACTOR TO COORDINATE WITH OWNER REGARDING TYPE OF MATERIAL, LANDSCAPING AND IRRIGATION REQUIREMENTS.
9. THE CONTRACTOR SHALL RESTORE OFF-SITE CONSTRUCTION AREAS TO EQUAL AND/OR BETTER CONDITION THAN EXISTING PRIOR TO START OF CONSTRUCTION.
10. UNLESS OTHERWISE NOTED, GRADE TO MEET EXISTING ELEVATION AT PROPERTY LINES.
11. SURVEY MONUMENTS OR BENCHMARKS, WHICH HAVE TO BE DISTURBED BY THIS WORK, SHALL BE REPLACED UPON COMPLETION OF WORK BY A REGISTERED LAND SURVEYOR AT CONTRACTORS EXPENSE.
12. FINAL GRADES SHOWN INCLUDE SOD HEIGHT. ALL AREAS SHALL BE GRADED TO DRAIN AWAY FROM THE BUILDINGS.
13. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH ALL LOCAL, STATE AND JURISDICTIONAL PERMITTING AGENCIES.
14. ALL WORK SHALL COMPLY WITH THE GEOTECHNICAL REPORT BY UNIVERSAL ENGINEERING SCIENCES ON MARCH 25, 2021.
15. CONTRACTOR SHALL SOD ALL DISTURBED AREAS WITH BAHIA UNLESS OTHERWISE NOTED.

PAVING/GRADING TESTING AND INSPECTION

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING APPLICABLE TESTING WITH THE SOILS ENGINEER. TESTS WILL BE REQUIRED PURSUANT WITH THE SOILS REPORT. UPON COMPLETION OF WORK THE SOILS ENGINEER WILL SUBMIT CERTIFICATIONS TO THE OWNER AND OWNER'S ENGINEER STATING THAT ALL REQUIREMENTS HAVE BEEN MET.
2. A QUALIFIED TESTING LABORATORY SHALL PERFORM ALL TESTING NECESSARY TO ASSURE COMPLIANCE OF THE IN-PLACE MATERIALS AS REQUIRED BY THESE PLANS AND GEOTECHNICAL REPORT, THE VARIOUS AGENCIES AND PERMIT CONDITIONS. SHOULD ANY RETESTING BE REQUIRED DUE TO THE FAILURE OF ANY TESTS TO MEET THESE REQUIREMENTS, THE CONTRACTOR WILL BEAR ALL COSTS OF SAID RETESTING.

PAVEMENT MARKING AND SIGNAGE

1. THE INSTALLATION, SHAPE, AND SIZE OF ALL SIGNS AND THEIR LETTERING SHALL COMPLY WITH THE LATEST EDITIONS OF THE U.S. DEPARTMENT OF TRANSPORTATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND THE F.D.O.T. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND THE F.D.O.T. "DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM". WHERE CONFLICTS EXIST BETWEEN THE PLANS AND THE ABOVE MENTIONED SPECIFICATIONS, THE MORE STRINGENT CRITERIA SHALL PREVAIL.

TEST, INSPECTION AND CLOSEOUT REQUIREMENTS

1. ALL GRAVITY SEWER PIPING SHALL BE SUBJECT TO A VISUAL INSPECTION BY THE OWNER'S ENGINEER AND APPLICABLE MUNICIPALITY/AGENCY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS IN ADVANCE TO SCHEDULE INSPECTION(S). THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS ASSOCIATED WITH A TELEVISED INSPECTION (TV) OF THE PROPOSED GRAVITY SEWER LINE CONSTRUCTION. TV INSPECTION SHALL BE IN ACCORDANCE TO THE CITY OF APOPKA UTILITIES DESIGN AND CONSTRUCTION STANDARDS MANUAL. THE CONTRACTOR SHALL PROVIDE COPIES OF THE TV INSPECTION TAPE TO THE ENGINEER, THE OWNER AND THE APPLICABLE MUNICIPALITY/AGENCY.
2. THE CONTRACTOR SHALL PERFORM LEAKAGE TESTS ON ALL GRAVITY SEWERS PER THE CITY OF APOPKA UTILITIES DESIGN AND CONSTRUCTION STANDARDS MANUAL.
3. AN AS-BUILT SURVEY SHALL BE PREPARED IN ACCORDANCE WITH CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODE (F.A.C.), PURSAUNT TO CHAPTER 472, FLORIDA STATUTES (F.S.) SHALL BE REQUIRED.
4. THE CONTRACTOR SHALL PROVIDE UTILITY AS-BUILT AND GRADING/DRAINAGE AS-BUILT RECORD DRAWINGS BASED ON THE CIVIL DESIGN PLAN SHEETS. ALL AS-BUILTS SHALL BE OVERLAID ON THE CIVIL DESIGN PLANS WITH THE DESIGN SHADED BACK AND THE AS-BUILT BOLD. THE AS-BUILTS SHALL BE SIGNED AND SEALED BY A REGISTERED LAND SURVEYOR.
5. THE UTILITY AS-BUILT SHALL INCLUDE ALL SANITARY SEWERS AND FORCE MAIN SYSTEMS, POTABLE AND RECLAIMED WATER MAIN SYSTEMS, METERS, VALVES, FORCE MAINS, GAS MAINS, AND IRRIGATION LINES (2-INCH AND LARGER). CONTRACTOR TO PROVIDE ALL UTILITY CROSSING INFORMATION ON THE AS-BUILT. THE UTILITY AS-BUILTS SHALL IDENTIFY ALL WATER MAIN CROSSINGS WITH STORM AND SANITARY LINES INDICATING TOP OF PIPE AND INVERTS OF THE ABOVE CROSSING PIPE ALONG WITH CLEARANCE DIMENSIONS. THIS SHALL ALSO BE DONE FOR SANITARY/STORM CROSSINGS. ALL TEMPORARY SAMPLE POINT NUMBER (TSP#) LOCATIONS SHALL ALSO BE NOTED ON THE AS-BUILT. CONTRACTOR TO ALSO PROVIDE AN AS-BUILT ASSET TABLE IDENTIFYING SIZE OF PIPE OR FITTING AS WELL AS DEPTH TO TOP OF PIPE AND NORTHING AND EASTING OF EACH FITTING/VALVE, ETC. AS-BUILT DRAWINGS SHALL PROVIDE GPS COORDINATES FOR SANITARY STRUCTURES.
6. THE GRADING/DRAINAGE AS-BUILT SHALL INCLUDE ALL CONSTRUCTED IMPROVEMENTS THAT HAVE LOCATION AND/OR ELEVATION INFORMATION CALLED-OUT ON THE PLANS. THE AS-BUILT SHALL CLEARLY PROVIDE THE SAME INFORMATION IDENTIFIED ON THE DESIGN DOCUMENTS AND ALSO THE CONSTRUCTED LOCATIONS AND ELEVATIONS AS-BUILT INFORMATION.
7. THE CONTRACTOR SHALL PROVIDE A SIGNED AND SEALED LETTER FROM THE INDEPENDENT TESTING AGENCY THAT STATES CONFORMANCE WITH THE CONTRACT DOCUMENT REQUIREMENTS FOR COMPACTION TESTING. THE CONTRACTOR IS TO PROMPTLY NOTIFY THE OWNER AND ENGINEER OF RECORD WHEN ANY TESTING OR INSPECTIONS ARE DEFICIENT OR IRREGULAR.

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200 S. ORANGE AVENUE SUITE 600, ORLANDO, FL
PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL ENGINEER DEREK RAMSBURG — STATE OF FLORIDA — PROFESSIONAL ENGINEER — 86460 — DATE: 5/08/2026

KHA PROJECT	249188018
DATE	5/08/2026
SCALE	AS SHOWN
DESIGNED BY	CBL
DRAWN BY	TJE
CHECKED BY	DER

GENERAL NOTES

7-11 OCOEE APOPKA RD

CITY OF APOPKA FLORIDA

SHEET NUMBER
C1.0

Plotted By:Ellsworth, TJ Sheet Set:THE SHOPPES AT EAST SHORE C0S Layout:C1.0 May 08, 2026 11:41:52am K:\orl_civil\249188018-7-11 ocoee apopka rd\CAD\CONST\plansheets\C1.0 - NOTES.dwg
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POTABLE WATER SYSTEM

1. ALL DIP PIPE SHALL BE CLASS 50 OR HIGHER. REFER TO NOTE #4 BELOW FOR ADDITIONAL DIP SPECIFICATIONS. ADEQUATE MEASURES AGAINST CORROSION SHALL BE UTILIZED.
2. ALL WATER MAIN PIPE FITTINGS AND APPURTENANCES SHALL BE INSTALLED TO COMPLY WITH THE CITY OF APOPKA UTILITIES DESIGN AND CONSTRUCTION STANDARDS MANUAL.
3. ALL WATER SERVICE LINES, VALVES AND METERS SHALL BE INSTALLED TO COMPLY WITH APPLICABLE MUNICIPALITY/AGENCY DEPARTMENT STANDARDS AND SPECIFICATIONS.
4. ALL DUCTILE IRON PIPE, 4" TO 24", SHALL BE MANUFACTURED IN ACCORDANCE WITH THE LATEST EDITION OF AWWA C151/A21.51. PIPE SHALL BE FURNISHED IN 18 OR 20 FOOT SECTIONS, PIPE THICKNESS SHALL BE CLASS 50, UNLESS OTHERWISE SPECIFIED.
5. ALL WATER SYSTEM CONSTRUCTION, UP TO AND INCLUDING POINT OF METERING AND BACK FLOW PREVENTION (IF REQUIRED), SHALL BE BUILT ACCORDING TO THE CITY OF APOPKA UTILITIES DESIGN AND CONSTRUCTION STANDARDS MANUAL.
6. CONTRACTOR TO INSTALL TEMPORARY BLOWOFFS, AT THE END(S) OF PROPOSED WATER MAINS AND SERVICE LATERALS TO BUILDING(S), TO ASSURE ADEQUATE FLUSHING AND DISINFECTION/CHLORINATION.
7. ALL WATER MAINS SHALL BE PRESSURE TESTED IN ACCORDANCE WITH AWWA MANUAL M23, CONCERNING HYDROSTATIC TESTING OF PVC PIPING, OR AWWA MANUAL M41, CONCERNING HYDROSTATIC TESTING OF DUCTILE IRON PIPING. OFF-SITE UTILITIES HYDROSTATIC TESTING TO BE WITNESSED BY THE CITY OF APOPKA.
8. ALL WATER MAINS SHALL BE STERILIZED IN ACCORDANCE WITH THE APPLICABLE SECTION OF THE LATEST AWWA SPECIFICATION C651 AND THE CITY OF APOPKA UTILITIES DESIGN AND CONSTRUCTION STANDARDS MANUAL.
9. ALL PVC WATER MAIN, 4" TO 8" DIAMETER PIPING, SHALL CONFORM TO ASTM D2241 AND ASTM 1784. PIPE SHALL BE AWWA C-900 DR-18. JOINTS SHALL BE RUBBER GASKETED PUSH-ON CONFORMING TO ASTM D1869.
10. ALL POLYVINYL CHLORIDE PIPE SHALL BE LAID WITH AN INSULATED 12 GAUGE A.W.G. SOLID STRAND COPPER WIRE WOUND AROUND THE PIPE FORMING ONE COMPLETE SPIRAL PER JOINT OF PIPE. THIS WIRE IS TO BE CONTINUOUS WITH SPLICES MADE ONLY BY METHODS APPROVED BY THE ENGINEER. THIS WIRE IS TO BE SECURED TO ALL VALVES, TEES AND ELBOWS.
11. ALL POTABLE WATER MATERIALS AND INSTALLATION SHALL CONFORM WITH THE CITY OF APOPKA UTILITIES DESIGN AND CONSTRUCTION STANDARDS MANUAL.

POTABLE WATER TESTING AND INSPECTION

1. ALL COMPONENTS OF THE WATER SYSTEM, INCLUDING FITTINGS, HYDRANTS, CONNECTIONS, AND VALVES SHALL REMAIN UNCOVERED UNTIL PROPERLY PRESSURE TESTED AND ACCEPTED BY THE OWNER'S ENGINEER. PRESSURE TESTS TO BE IN ACCORDANCE WITH THE CITY OF APOPKA UTILITIES DESIGN AND CONSTRUCTION STANDARDS MANUAL. CONTRACTOR TO NOTIFY THE OWNER'S ENGINEER AND APPLICABLE AGENCY INSPECTORS 48 HOURS IN ADVANCE OF PERFORMING TESTS.
2. CONTRACTOR TO PERFORM CHLORINATION AND BACTERIOLOGICAL SAMPLING, AND OBTAIN CLEARANCE OF DOMESTIC AND FIRE LINE WATER SYSTEM(S). COPIES OF ALL BACTERIOLOGICAL TEST RESULTS ARE TO BE SUBMITTED TO THE OWNER'S ENGINEER FOR CERTIFICATION PURPOSES.

SANITARY SYSTEM

1. ALL PVC PIPE SHALL BE SOLID WALL POLYVINYL CHLORIDE PIPE AND COMPLY WITH ASTM D 3034 AND ALL APPLICABLE ASTM DOCUMENTS AS COVERED IN SECTION NO. 2 OF ASTM D 3034. MAIN LINES SHALL BE A MINIMUM OF 8" DIAMETER, AND LATERALS SHALL BE A MINIMUM 6" DIAMETER.
2. ALL GRAVITY SEWER MAINS AND FITTINGS MUST BE SDR 26 PVC. ELASTOMERIC GASKET JOINTS SHALL BE UTILIZED FOR PVC PIPE, AND SHALL COMPLY WITH ASTM F477, ASTM D3034 & ASTM F679. JOINTS SHALL COMPLY WITH ASTM D3212.
3. ALL ON-SITE PVC FORCE MAINS (IF REQUIRED) SHALL BE CLASS 200, DR 14 FOR 4" DIAMETER, AND CLASS 150 DR 18 FOR 6" TO 12" DIAMETER PIPE, IN ACCORDANCE WITH AWWA C900 STANDARDS. PVC FORCE MAIN PIPE SMALLER THAN 4" DIAMETER SHALL BE CLASS 200, SDR 21, IN ACCORDANCE WITH ASTM D 2241. FORCE MAIN SHALL BE SPIRAL WRAPPED WITH 2 INCH WIDE DARK GREEN STICK-ON VINYL TAPE. FORCE MAINS WITHIN THE RIGHT-OF-WAY SHALL BE CLASS 52 DIP, MINIMUM 4" DIAMETER.
4. ALL SANITARY MANHOLES SHALL BE LOCATED NO MORE THAN 400 FEET APART AND SHALL CONFORM TO THE DETAILS CONTAINED HEREIN, AS WELL AS WITH ASTM C478.
5. ALL SLOPES FOR GRAVITY SEWER MAINS AND SERVICE CONNECTIONS SHALL COMPLY WITH THE FOLLOWING MINIMUM GRADES: 4" @ 2.00% ; 6" @ 1.00% ; 8" @ 0.40% ; and 10" @ 0.30%.
6. ALL SANITARY SEWER WORK SHALL CONFORM WITH APPLICABLE THE CITY OF APOPKA UTILITIES DESIGN AND CONSTRUCTION STANDARDS MANUAL.
7. PRIOR TO COMMENCING WORK WHICH REQUIRES CONNECTING PROPOSED FACILITIES TO EXISTING LINES OR APPURTENANCES, THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION(S) OF EXISTING CONNECTION POINT(S) AND NOTIFY THE OWNER'S ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.
8. SANITARY SEWER MAINS SHALL HAVE SUITABLE MAGNETIC LOCATOR TAPE(S) BURIED AT LEAST 18 INCHES ABOVE THE MAIN LINES.
9. ONSITE WASTEWATER COLLECTION SYSTEM, LIFTSTATION, AND FORCEMAIN ARE TO BE PRIVATELY OWNED AND MAINTAINED.

SANITARY TESTING AND INSPECTION

1. ALL GRAVITY SEWER PIPING SHALL BE SUBJECT TO A VISUAL INSPECTION BY THE OWNER'S ENGINEER AND APPLICABLE MUNICIPALITY/AGENCY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS IN ADVANCE TO SCHEDULE INSPECTION(S). THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS ASSOCIATED WITH A TELEVISED INSPECTION (TV) OF THE PROPOSED GRAVITY SEWER LINE CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE COPIES OF THE TV INSPECTION TAPE TO THE ENGINEER, THE OWNER AND THE APPLICABLE MUNICIPALITY/AGENCY.
2. THE CONTRACTOR SHALL PERFORM AN INFILTRATION/EXFILTRATON TEST ON ALL GRAVITY SEWERS IN ACCORDANCE WITH THE REGULATORY AGENCY HAVING JURISDICTION. SAID TESTS ARE TO BE CERTIFIED BY THE ENGINEER OF RECORD AND SUBMITTED TO THE REGULATORY AGENCY FOR APPROVAL. THE SCHEDULING, COORDINATION AND NOTIFICATION OF ALL PARTIES IS THE CONTRACTOR'S RESPONSIBILITY.
3. LEAKAGE TESTS ARE SPECIFIED REQUIRING THAT:
   A. THE LEAKAGE EXFILTRATION OR INFILTRATION DOES NOT EXCEED 200 GALLONS PER INCH OF PIPE DIAMETER PER MILE PER DAY FOR ANY SECTION OF THE SYSTEM.
   B. EXFILTRATION OR INFILTRATION TESTS BE PERFORMED WITH A MINIMUM POSITIVE HEAD OF 2 FEET
   C. AIR TESTS, AS A MINIMUM, CONFORM TO THE TEST PROCEDURE DESCRIBED IN ASTM C-828 FOR CLAY PIPE, ASTM C 924 FOR CONCRETE PIPE, ASTM F-1417 FOR PLASTIC PIPE, AND FOR OTHER MATERIALS APPROPRIATE TEST PROCEDURES.
4. CONTRACTOR TO PERFORM APPROPRIATE DEFLECTION TESTS FOR ALL FLEXIBLE PIPE. TESTING IS REQUIRED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS TO PERMIT STABILIZATION OF THE SOIL-PIPE SYSTEM. TESTING REQUIREMENTS SPECIFY:
   A. NO PIPE SHALL EXCEED A DEFLECTION OF 5%.
   B. USING A RIGID BALL OR MANDREL FOR THE DEFLECTION TEST WITH A DIAMETER NOT LESS THAN 95% OF THE BASE INSIDE DIAMETER OR AVERAGE INSIDE DIAMETER OF THE PIPE, DEPENDING ON WHICH ISSPECIFIED IN THE ASTM SPECIFICATION, INCLUDING THE APPENDIX, TO WHICH THE PIPE IS MANUFACTURED.
   C. PERFORMING THE TEST WITHOUT MECHANICAL PULLING DEVICES.
5. CONTRACTOR TO INSPECT & TEST MANHOLE FOR WATERTIGHTNESS OR DAMAGE PRIOR TO PLACING INTO SERVICE. AIR TESTING, IF SPECIFIED FOR CONCRETE SEWER MANHOLES, SHALL CONFORM TO THE TEST PROCEDURES DESCRIBED IN ASTM C-1244.

CITY OF APOPKA FIRE DEPARTMENT NOTES

1. ROADWAYS, WATER LINE INFRASTRUCTURE, AND FIRE HYDRANTS SHALL BE IN PLACE BEFORE BUILDING CONSTRUCTION MAY BEGIN.
2. FIRE HYDRANTS SHALL BE MARKED WITH A BLUE REFLECTIVE PAVEMENT MARKER.

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200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL
PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL ENGINEER DEREK RAMSBURG 81614 STATE OF FLORIDA

KHA PROJECT	249188018
DATE	5/08/2026
SCALE	AS SHOWN
DESIGNED BY	CRL
DRAWN BY	TJE
CHECKED BY	DER

GENERAL NOTES

7-11 OCOEE APOPKA RD

CITY OF APOPKA FLORIDA

SHEET NUMBER C1.1

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STORMWATER POLLUTION PREVENTION PLAN

SITE DESCRIPTION

PROJECT NAME AND LOCATION

7-11 OCOEE APOPKA RD
PARCEL ID #: 20-21-28-8000-04-000
CITY OF APOPKA, FLORIDA

*SEE COVER SHEET FOR LOCATION MAP

DEVELOPER NAME AND ADDRESS

APOPKA KEENE, LLC (C/O BLACKFIN PARTNERS INVESTMENTS, LLC)
4440 PGA BOULEVARD, SUITE 600
PALM BEACH GARDENS, FL 33410
CONTACT: STEVE LIPOFSKY
PHONE: (561) 299-0036)
EMAIL: DEVELOPMENT@BLACKFINPARTNERS.COM

PROJECT DESCRIPTION

THE PROPOSED PROJECT WILL CONSIST OF DEVELOPING A VACANT SITE WITH A 4,852 SF CONVENIENCE STORE, 6 FUELING STATIONS, AND MASTER INFRASTRUCTURE.

PROJECT AREA: 1.92 ACRES
CONTRIBUTING DRAINAGE AREA: 1.92 ACRES

LONGITUDE : W 81° 32' 21.6" LATITUDE: N 28° 38' 25.0"

ULTIMATE RECEIVING WATERS: MEDICINE LAKE

ACTIVITIES THAT REQUIRE EROSION CONTROL

PROVIDING A STABILIZED CONSTRUCTION ENTRANCE, PERIMETER, AND OTHER EROSION AND SEDIMENT CONTROLS; EXCAVATION FOR THE RETENTION POND; SITE GRADING; INSTALLATION OF STORM WATER, SANITARY SEWER, AND WATER STRUCTURES; CURB, ROADWAYS, AND PARKING FACILITIES.

*SEE PLANS FOR THE LOCATION OF TEMPORARY SEDIMENT BARRIERS AND OTHER EROSION CONTROL METHODS.

SOIL PARAMETERS

SOIL TYPES:

SERIES NAME	HYDROLOGIC GROUP
CHANDLER FINE SAND, 0-5% SLOPES	A
CHANDLER FINE SAND, 5-12% SLOPES	A

SEQUENCE OF MAJOR ACTIVITIES

THE ORDER OF CONSTRUCTION IS AS FOLLOWS:

1. PROVIDE STABILIZED CONSTRUCTION ENTRANCE
2. INSTALL SILT FENCES AND OTHER EROSION CONTROL METHODS
3. CLEAR SITE AND GRUB IN ACCORDANCE WITH DEMOLITION PLAN
4. CONSTRUCT EARTH DIKE AND SEDIMENT BASIN
5. FINISH CLEARING AND GRUBBING
6. REMOVE AND STORE TOPSOIL
7. PROVIDE INITIAL GRADING AS REQUIRED
8. STABILIZE ALL DISTURBED AREAS AS SOON AS POSSIBLE
9. INSTALL UTILITIES, STORM SEWER, CURB AND GUTTER
10. INSTALL BASE TO ROAD AND PARKING AREA
11. FINISH GRADING ENTIRE SITE
12. CONSTRUCT FINAL PAVING
13. REMOVE ACCUMULATED SEDIMENT
14. REMOVE ANY ITEMS THAT ARE NOT REQUIRED

TIMING OF CONTROL MEASURES

THE INSTALLATION OF SILT FENCE (AND OTHER EROSION CONTROL MEASURES), A STABILIZED ENTRANCE AND SEDIMENT BASIN SHALL OCCUR PRIOR TO CLEARING AND GRUBBING ACTIVITY. AFTER CONSTRUCTION IS COMPLETE, THE ACCUMULATED SEDIMENT SHALL BE REMOVED AND THE AREAS SHALL BE REGRADED AND PERMANENTLY STABILIZED AS SHOWN ON THE PLANS.

EROSION AND SEDIMENT CONTROLS

BEST MANAGEMENT PRACTICES SHALL BE USED FOR THIS PROJECT TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUN-OFF. THE LOCATION AND DETAILS OF EROSION CONTROL METHODS ARE SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR PLACING AND MAINTAINING THESE CONTROL METHODS AS SHOWN ON THE PLANS OR AS REQUIRED. HE/SHE SHALL ALSO PROVIDE THE REQUIRED EROSION PROTECTION AS REQUIRED BY LOCAL, STATE AND FEDERAL LAW.

STORM WATER MANAGEMENT

STORMWATER COLLECTION SHALL BE PROVIDED BY CATCH BASINS. THE RUNOFF FROM THE SITE WILL DISCHARGE TO THE PROPOSED STORMWATER POND. THE POND IS DESIGNED IN ACCORDANCE WITH SJRWMD AND CITY OF APOPKA LAND DEVELOPMENT CODE.

STABILIZATION PRACTICES:

TEMPORARY STABILIZATION - TOPSOIL STOCK PILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASE, SHALL BE STABILIZED WITH TEMPORARY SEED AND MULCH WITHIN 7 DAYS OF THE LAST CONSTRUCTION ACTIVITY IN THAT AREA. THE TEMPORARY SEED REQUIRED CAN BE FOUND IN TABLE 1.65 A OF THE FLORIDA DEVELOPMENT MANUAL. PRIOR TO SEEDING, WHERE SOILS ARE ACIDIC 2 TONS OF PULVERIZED AGRICULTURAL LIMESTONE SHOULD BE ADDED PER ACRE AND 450 POUNDS OF 10-20-20 FERTILIZER SHALL BE APPLIED TO EACH ACRE. AFTER SEEDING, EACH AREA SHALL BE IMMEDIATELY MULCHED WITH STRAW OR EQUIVALENT EQUAL. AREAS OF THE SITE WHICH ARE TO BE PAVED SHALL BE TEMPORARILY STABILIZED BY APPLYING GEOTEXTILE AND STONE SUB-BASE UNTIL BITUMINOUS PAVEMENT CAN BE APPLIED.

PERMANENT STABILIZATION - DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASE SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. THE APPROPRIATE PERMANENT SEED MIX CAN BE FOUND IN TABLES 1.66A, 1.66B AND 1.66C OF THE FLORIDA DEVELOPMENT MANUAL. PRIOR TO SEEDING, 2 TONS/ACRE OF FINELY GROUND AGRICULTURAL LIMESTONE AND THE PROPER FERTILIZER BASED ON THE TYPE OF SEEDING SHALL BE APPLIED TO EACH ACRE TO PROVIDE PLANT NUTRIENTS. AFTER SEEDING, EACH AREA SHALL BE MULCHED IMMEDIATELY.

STRUCTURAL PRACTICES:

EARTH DIKE - IF REQUIRED, AN EARTH DIKE SHALL BE CONSTRUCTED ALONG THE SITE PERIMETER. A PORTION OF THE DIKE SHALL DIVERT RUN-ON AROUND THE CONSTRUCTION SITE. THE REMAINING PORTION OF THE DIKE SHALL COLLECT RUNOFF FROM THE DISTURBED AREA AND DIRECT THE RUNOFF TO THE SEDIMENT BASIN.

SEDIMENT BASIN - A SEDIMENT BASIN SHALL BE CONSTRUCTED IN THE COMMON DRAINAGE AREA FOR THE SITE. ALL SEDIMENT COLLECTED IN THE BASIN MUST BE REMOVED FROM THE BASIN UPON COMPLETION OF CONSTRUCTION. SEDIMENT FROM THE BASIN MAY BE USED AS FILL ON THE SITE IF IT IS SUITABLE SOIL.

WASTE DISPOSAL

WASTE MATERIALS - ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A METAL DUMPSTER WITH A SECURE LID IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITIES TO HAVE THE DUMPSTER EMPTIED AT LEAST TWICE A WEEK AND THE WASTE TAKEN TO AN APPROPRIATE LANDFILL. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON SITE. THE SUPERINTENDENT SHALL ORGANIZE TRAINING FOR THE EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH WASTE MATERIALS. THE SUPERINTENDENT SHALL BE RESPONSIBLE FOR POSTING AND ENFORCING WASTE MATERIAL PROCEDURES.

HAZARDOUS WASTE - HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS OR AS DIRECTED BY THE MANUFACTURER. THE SUPERINTENDENT SHALL ORGANIZE THE PROPER TRAINING FOR EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH HAZARDOUS WASTE MATERIALS. THESE PROCEDURES SHALL BE POSTED ON THE SITE. THE PERSON WHO MANAGES THE SITE SHALL BE RESPONSIBLE FOR ENFORCING THE PROCEDURES.

SANITARY WASTE - SANITARY WASTE SHALL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITY FOR COLLECTION OF THE SANITARY WASTE AT LEAST THREE TIMES A WEEK TO PREVENT SPILLAGE ONTO THE SITE.

OFF-SITE TRACKING

A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED TO REDUCE SEDIMENT TRACKING OFFSITE. THE MAJOR ROAD CONNECTED TO THE PROJECT SHALL BE CLEANED ONCE A DAY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK RESULTING FROM CONSTRUCTION TRAFFIC. ALL TRUCKS HAULING MATERIALS OFFSITE SHALL BE COVERED WITH A TARPAULIN.

DUST & DEBRIS CONTROL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL WITHIN THE CONSTRUCTION LIMITS AS WELL AS ALONG HAUL ROUTES AND ROADWAYS USED BY THE EQUIPMENT AND VEHICLES. THE CONTRACTOR SHALL ENSURE THAT EXCESSIVE DUST IS NOT TRANSPORTED BEYOND THE LIMITS OF CONSTRUCTION IN POPULATED AREAS. THE CONTRACTOR MAY CONTROL DUST FOR EMBANKMENTS OR OTHER CLEARED OR UNSURFACED AREAS BY APPLYING WATER. INSTALL MULCH, SEED, SOD, OR TEMPORARY PAVING AS EARLY AS PRACTICAL. CONTROL DUST DURING STORAGE AND HANDLING OF DUSTY MATERIALS BY WETTING, COVERING, OR OTHER MEANS AS APPROVED BY THE ENGINEER. CONTRACTOR SHALL ENFORCE REDUCED VEHICLE SPEEDS ON UNPAVED ROADS AND IF NECESSARY PROHIBIT CONSTRUCTION GRADING WHEN WIND GUSTS EXCEED 25 MPH, OR OTHERWISE DIRECTED BY E.O.R. OR COUNTY INSPECTOR.

ITEMS REQUIRING POLLUTION PREVENTION

THE FOLLOWING ITEMS ARE EXPECTED TO BE PRESENT ON THE PROJECT SITE:

-ASPHALT
-CONCRETE
-FERTILIZERS
-METAL PIECES
-PETROLEUM BASED PRODUCTS
-TAR
-CLEANING SUPPLIES
-DETERGENTS
-MASONARY BLOCK/BRICKS
-PAINT
-WOOD

THE FOLLOWING ARE NON-STORM WATER SOURCES THAT WILL BE ENCOUNTERED AT THE SITE AND SHOULD BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE:

-UNCONTAMINATED GROUNDWATER EXPOSED DURING EXCAVATION
-WATER FROM WATER LINE FLUSHING
-PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).

SPILL PREVENTION AND CONTROL

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING

SUPERINTENDENT SHALL INSPECT PROJECT AREA DAILY FOR PROPER STORAGE, USE, AND DISPOSAL OF CONSTRUCTION MATERIALS.

STORE ONLY ENOUGH MATERIAL ON SITE FOR PROJECT COMPLETION.

ALL SUBSTANCES SHOULD BE USED BEFORE DISPOSAL OF CONTAINER.

ALL CONSTRUCTION MATERIALS STORED SHALL BE ORGANIZED AND IN THE PROPER CONTAINER AND IF POSSIBLE, STORED UNDER A ROOF OR PROTECTIVE COVER.

PRODUCTS SHALL NOT BE MIXED UNLESS DIRECTED BY THE MANUFACTURER.

ALL PRODUCTS SHALL BE USED AND DISPOSED OF ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

HAZARDOUS PRODUCTS

MATERIALS SHOULD BE KEPT IN ORIGINAL CONTAINER WITH LABELS UNLESS THE ORIGINAL CONTAINERS CANNOT BE RESEALED. IF ORIGINAL CONTAINERS CANNOT BE USED, LABELS AND PRODUCT INFORMATION SHALL BE SAVED.

PROPER DISPOSAL PRACTICES SHALL ALWAYS BE FOLLOWED IN ACCORDANCE WITH MANUFACTURER AND LOCAL/STATE REGULATIONS.

PRODUCT SPECIFIC PRACTICES

PETROLEUM PRODUCTS MUST BE STORED IN PROPER CONTAINERS AND CLEARLY LABELED. VEHICLES CONTAINING PETROLEUM PRODUCTS SHALL BE PERIODICALLY INSPECTED FOR LEAKS. PRECAUTIONS SHALL BE TAKEN TO AVOID LEAKAGE OF PETROLEUM PRODUCTS ON SITE.

THE MINIMUM AMOUNT OF FERTILIZER SHALL BE USED AND MIXED INTO THE SOIL IN ORDER TO LIMIT EXPOSURE TO STORM WATER. FERTILIZERS SHALL BE STORED IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINT CONTAINERS SHALL BE SEALED AND STORED WHEN NOT IN USE. EXCESS PAINT MUST BE DISPOSED OF IN AN APPROVED MANNER.

CONCRETE TRUCKS SHALL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

-SPILL CLEANUP INFORMATION SHALL BE POSTED ON SITE TO INFORM EMPLOYEES ABOUT CLEANUP PROCEDURES AND RESOURCES.

-THE FOLLOWING CLEAN-UP EQUIPMENT MUST BE KEPT ON-SITE NEAR THE MATERIAL STORAGE AREA: GLOVES, MOPS, RAGS, BROOMS, DUST PANS, SAND, SAWDUST, LIQUID ABSORBER, GOGGLES, AND TRASH CONTAINERS.

-ALL SPILLS SHALL BE CLEANED UP AS SOON AS POSSIBLE.

-WHEN CLEANING A SPILL, THE AREA SHOULD BE WELL VENTILATED AND THE EMPLOYEE SHALL WEAR PROPER PROTECTIVE COVERING TO PREVENT INJURY.

-TOXIC SPILLS MUST BE REPORTED TO THE PROPER AUTHORITY REGARDLESS OF THE SIZE OF THE SPILL.

-AFTER A SPILL, THE PREVENTION PLAN SHALL BE REVIEWED AND CHANGED TO PREVENT FURTHER SIMILAR SPILLS FROM OCCURRING. THE CAUSE OF THE SPILL, MEASURES TO PREVENT IT, AND HOW TO CLEAN THE SPILL UP SHALL BE RECORDED.

-THE SUPERINTENDENT SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR AND IS RESPONSIBLE FOR THE DAY TO DAY SITE OPERATIONS. THE SUPERINTENDENT ALSO OVERSEES THE SPILL PREVENTION PLAN AND SHALL BE RESPONSIBLE FOR EDUCATING THE EMPLOYEES ABOUT SPILL PREVENTION AND CLEANUP PROCEDURES.

MAINTENANCE AND INSPECTION PRACTICES

THE FOLLOWING ARE MAINTENANCE AND INSPECTION PRACTICES THAT SHALL BE COMPLETED BY THE CONTRACTOR:

-ALL SEDIMENT AND EROSION CONTROL METHODS SHALL BE CHECKED DAILY AND AFTER EACH 0.5 INCH OR GREATER RAINFALL BY THE SUPERINTENDENT OR SOMEONE UNDER HIS/HER DIRECT SUPERVISION.

-ALL SEDIMENT AND EROSION CONTROL METHODS SHALL BE KEPT IN GOOD CONDITION. REPAIRS MUST BE MADE WITHIN 24 HOURS OF REPORT.

-THE SILT FENCE SHALL BE INSPECTED PERIODICALLY FOR HEIGHT OF SEDIMENT AND CONDITION OF FENCE.

-THE SILT FENCE SHALL BE CLEARED OF SEDIMENT WHEN SEDIMENT MEASURES ONE-THIRD THE HEIGHT OF THE FENCE.

-THE SEDIMENT BASINS/DITCHES SHALL BE CHECKED MONTHLY FOR DEPTH OF SEDIMENT. THEY SHALL BE CLEANED WHEN SEDIMENT REACHES 10% OF TOTAL CAPACITY AND AFTER CONSTRUCTION IS COMPLETE.

-DIVERSION DIKES SHALL BE INSPECTED MONTHLY. ANY BREACHES SHALL BE PROMPTLY REPAIRED.

-ALL SEEDING SHALL BE CHECKED FOR PROPER GROWTH AND UNIFORMITY. UNSTABALIZED AREAS SHALL BE RE-SODDED.

-A MAINTENANCE REPORT SHALL BE COMPLETED DAILY AFTER EACH INSPECTION OF THE SEDIMENT AND EROSION CONTROL METHODS. THE REPORTS SHALL BE FILED IN AN ORGANIZED MANNER AND RETAINED ON-SITE DURING CONSTRUCTION. AFTER CONSTRUCTION IS COMPLETED, THE REPORTS SHALL BE SAVED FOR AT LEAST THREE YEARS. THE REPORTS SHALL BE AVAILABLE FOR ANY AGENCY THAT HAS JURISDICTION OVER EROSION CONTROL.

-THE SUPERINTENDENT SHALL ORGANIZE THE TRAINING FOR INSPECTION PROCEDURES AND PROPER EROSION CONTROL METHODS FOR EMPLOYEES THAT COMPLETE INSPECTIONS AND REPORTS.

POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNED: _____ DATE:_____

DEREK RAMSBURG
FLORIDA REGISTRATION NUMBER: 88965
PROFESSIONAL ENGINEER

CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FORM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

SIGNATURE AND DATE	NAME AND TITLE, COMPANY / ADDRESS AND TELEPHONE NUMBER	RESPONSIBILITY

No.	REVISIONS	DATE	BY

Kimley»Horn

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PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL DEREK RAMSBURG 88965 STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	249188018
DATE	5/08/2026
SCALE	AS SHOWN
DESIGNED BY	CBL
DRAWN BY	TJE
CHECKED BY	DER

SWPPP

7-11 OCOEE APOPKA RD

CITY OF APOPKA FLORIDA

SHEET NUMBER
C2.0

Plotted By:Ellsworth, TJ Sheet Set:7-11 OCOEE APOPKA RD Layout:C2.0 May 08, 2026 11:42:04am K:\Orl_civil\249188018-7-11 ocoee apopka rd\CAD\CONST\plans\
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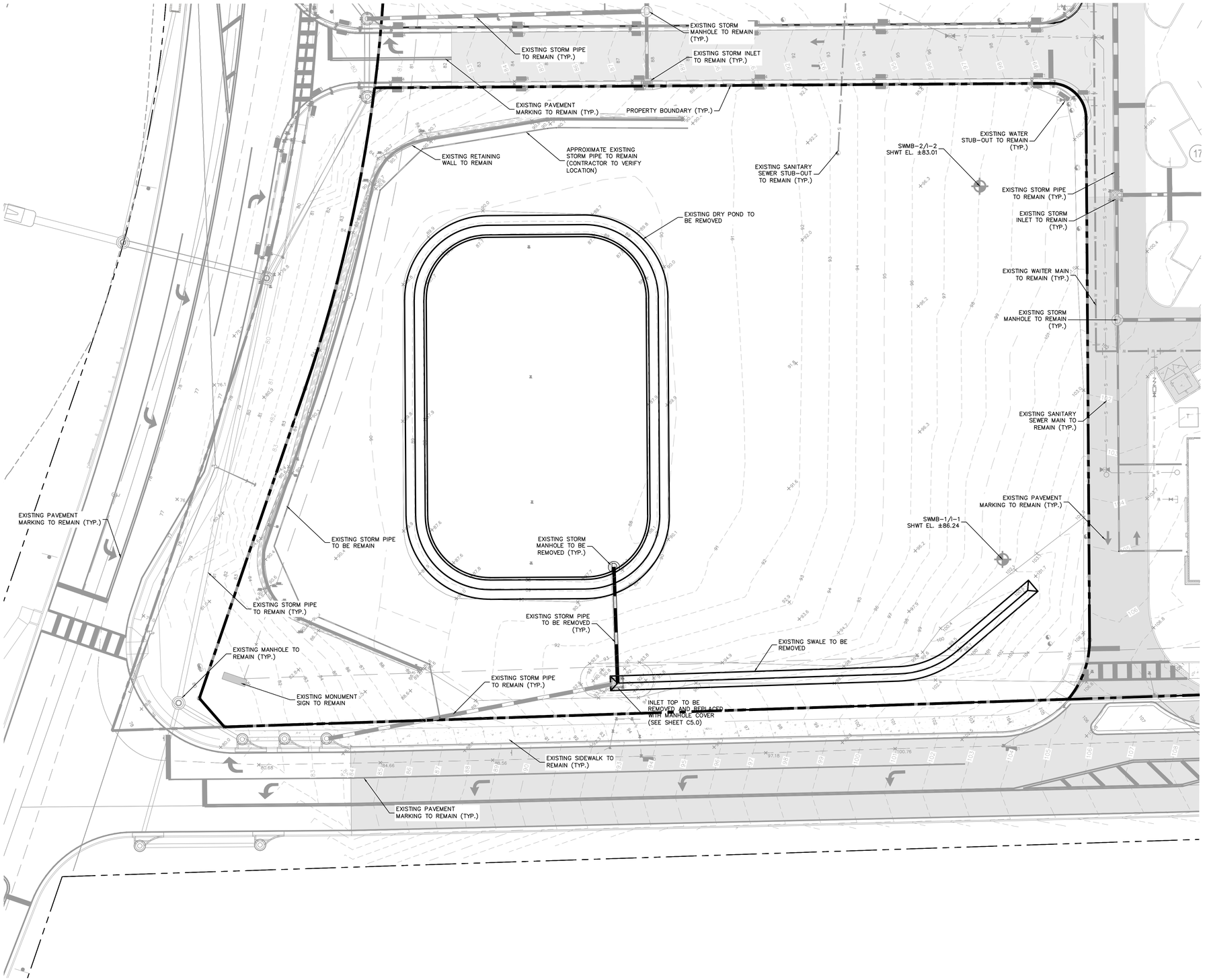

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AN FDEP NPDES PERMIT PRIOR TO CONSTRUCTION.
2. THE INTENT OF THE DEMOLITION PLAN IS TO DEPICT EXISTING FEATURES THAT ENCUMBER THE PROPOSED CONSTRUCTION AREA AND ARE SCHEDULED FOR REMOVAL. SOME INCIDENTAL ITEMS MAY HAVE BEEN INADVERTENTLY OMITTED FROM THE PLAN. UNLESS OTHERWISE NOTED, ALL EXISTING BUILDINGS, STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR. THE CONTRACTOR IS ENCOURAGED TO THOROUGHLY INSPECT THE SITE AS WELL AS REVIEW THE SURVEY, PLANS, AND SPECIFICATIONS PRIOR TO SUBMITTING PRICING. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR REQUIRED DEMOLITION OF INCIDENTAL ITEMS NOT SHOWN ON THIS DEMOLITION PLAN.
3. ALL DEMOLITION MATERIALS ARE TO BE REMOVED FROM SITE AND PROPERLY DISPOSED OF AN IN A LEGAL MANNER. AFTER DEMOLITION IS COMPLETE THE SITE SHALL BE DELIVERED IN A CONDITION SUITABLE FOR DEVELOPMENT.
4. THIS DEMOLITION PLAN IS BASED ON AVAILABLE UTILITY INFORMATION AND MAY OR MAY NOT BE ALL INCLUSIVE FOR THIS SITE. ANY UTILITIES ENCOUNTERED DURING DEMOLITION THAT ARE NOT DEPICTED/ADDRESSED ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER, ARCHITECT, AND ENGINEER.
5. VARIATIONS TO CONDITIONS OR DISCREPANCIES IN ACTUAL FIELD CONDITIONS AS THEY APPLY TO THE DEMOLITION OR SITE DEVELOPMENT WORK MUST BE BROUGHT TO THE OWNER'S REPRESENTATIVE AND ENGINEER'S ATTENTION PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION.
6. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AIRBORNE DUST AND POLLUTANTS BY USING WATER SPRINKLING OR OTHER SUITABLE MEANS OF CONTROL.
7. DEMOLITION CONTRACTOR SHALL CONSTRUCT EROSION CONTROL MEASURES AS SHOWN ON THESE PLANS AS NECESSARY DURING DEMOLITION OPERATIONS OR AS DIRECTED BY THE ENGINEER, CITY, OR COUNTY INSPECTOR TO PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM SOIL EROSION AND SEDIMENTATION.
8. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE IS TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, SIDEWALKS, ETC. ALL ROADWAYS AND WALKWAYS ARE TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
9. THE DEMOLITION CONTRACTOR MUST NOTIFY ALL UTILITY COMPANIES, FIRE MARSHAL, AND OWNER'S REPRESENTATIVE PRIOR TO INTERRUPTION OF ANY UTILITY SERVICE. THE DEMOLITION CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH AND ADHERENCE TO THE REGULATIONS REGARDING SERVICE INTERRUPTION OF EACH UTILITY COMPANY AND FIRE MARSHAL.
10. THE DEMOLITION CONTRACTOR MUST PROTECT ALL LANDSCAPING AND OTHER FEATURES DESIGNATED TO REMAIN, AND REPLACE SUCH ITEMS WITHOUT ADDITIONAL PAYMENT IF DISTURBED DURING DEMOLITION.
11. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
12. THE DEMOLITION CONTRACTOR MUST PROTECT BENCH MARKS PROPERTY CORNERS, AND ALL OTHER SURVEY MONUMENTS FROM DAMAGE OR DISPLACEMENT. IF A MARKER MUST BE REMOVED, IT SHALL BE REPLACED BY A LICENSED LAND SURVEYOR AND REPLACED.
13. THE DEMOLITION CONTRACTOR SHALL ACQUIRE ALL PERMITS AND PAY ALL ASSOCIATED FEES PERTAINING TO THE DEMOLITION AND DISPOSAL REQUIREMENTS. THE DEMOLITION CONTRACTOR IS RESPONSIBLE FOR ADHERENCE TO ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS REGARDING THIS WORK. IF THERE ARE NO LOCAL, STATE, OR FEDERAL REQUIREMENTS THE DEMOLITION CONTRACTOR SHALL ACQUIRE AN ENGINEER'S CERTIFICATION THAT THE WORK HAS BEEN DONE IN ACCORDANCE WITH THE PLANS.
14. CONTRACTOR SHALL FIELD VERIFY THAT THE SHOULDER BASE IS FULL DEPTH. IF SHOULDER BASE IS NOT FULL DEPTH, THE EXISTING SHOULDER BASE AND PAVEMENT SHALL BE REMOVED AND REPLACED AT THE PAVEMENT CONNECTION TO MATCH EXISTING.

LEGEND

- PROPERTY BOUNDARY
- FORCEMAIN
- RECLAIM PIPE
- OVERHEAD POWER LINE

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No.	REVISIONS	DATE	BY

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WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL ENGINEER DEREK R. WILLIAMSBURG STATE OF FLORIDA PROFESSIONAL ENGINEER

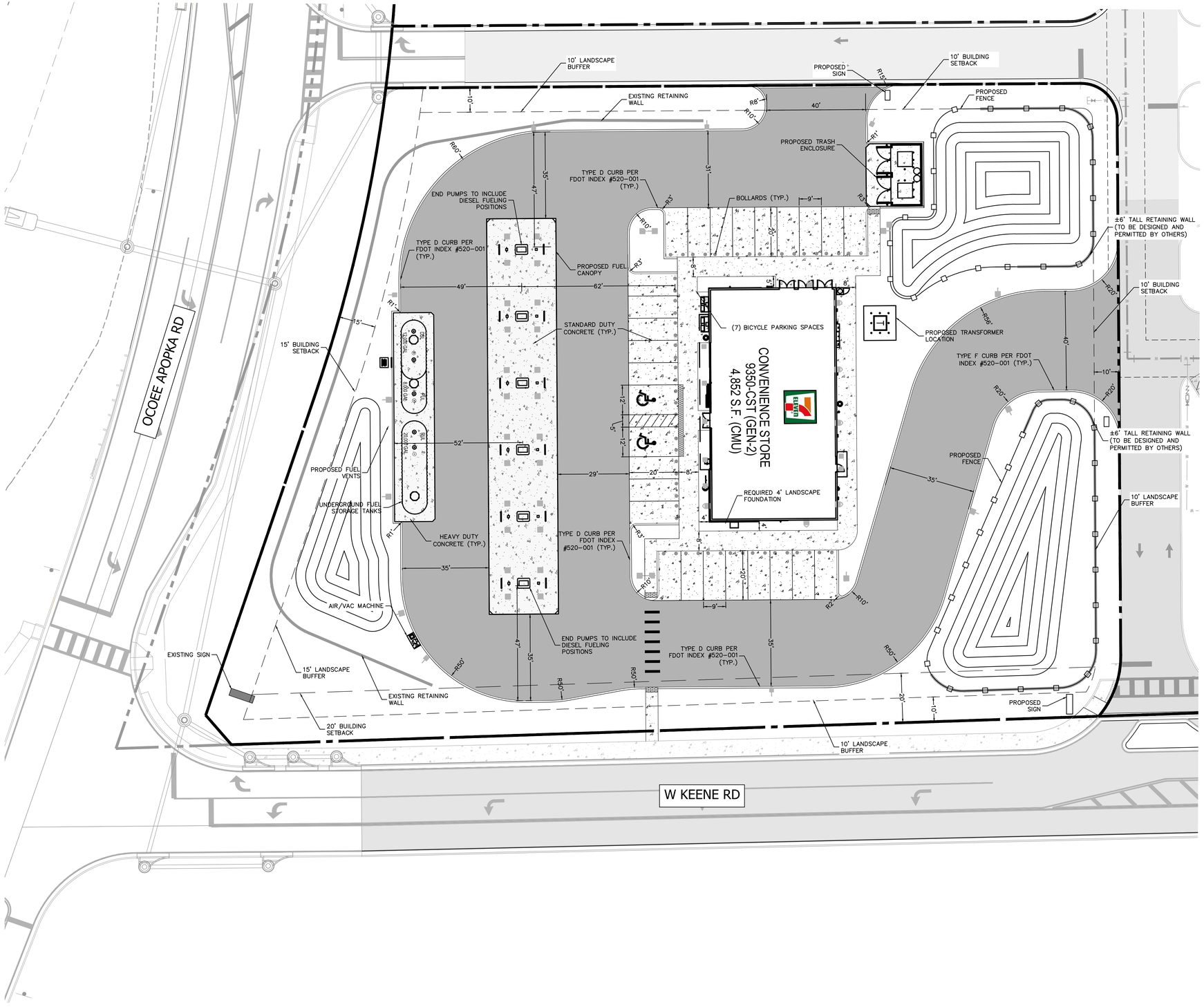
KHA PROJECT 249188018			
DATE	2/13/2026		
SCALE	AS SHOWN	DESIGNED BY	CBL
		DRAWN BY	TJE
		CHECKED BY	DER

EXISTING CONDITIONS PLAN

7-11 OCOEE APOPKA RD

CITY OF APOPKA FLORIDA

SHEET NUMBER
C3.0



NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

SITE DATA:

SITE AREA:	85,698 SF (1.97 ACRES)
PARCEL ID:	20-21-28-8000-04-000
ZONING	PD: PLANNED DEVELOPMENT
FUTURE LAND USE:	MU: MIXED-USE
PROPOSED USE:	COMMERCIAL
MAXIMUM BUILDING HEIGHT:	45'
PROPOSED BUILDING HEIGHT:	24'-8"

ADJACENT ZONING

NORTH	PD : PLANNED DEVELOPMENT
SOUTH	O : OFFICE
EAST	PD : PLANNED DEVELOPMENT
WEST	PD : PLANNED DEVELOPMENT

BUILDING COVERAGE

MAXIMUM ALLOWABLE F.A.R.:	1.0
PROPOSED BUILDING AREA:	4,852 SF
F.A.R.	0.057

BUILDING SETBACKS

	REQUIRED	PROVIDED
FRONT (WEST):	15 FT	142 FT
SIDE (NORTH):	10 FT	24 FT
SIDE (SOUTH):	20 FT	64 FT
REAR (EAST):	10 FT	114 FT

PAVING SETBACKS

	REQUIRED	PROVIDED
FRONT (WEST):	15 FT	18 FT
SIDE (NORTH):	10 FT	10 FT
SIDE (SOUTH):	10 FT	13 FT
REAR (EAST):	10 FT	10 FT

REQUIRED PARKING:

	REQUIRED	PROVIDED
CONVENIENCE STORE W/ FUEL SALES: 1 SPACE/300 SF	16 SPACES	27 SPACES

PROPOSED PARKING:

REGULAR SPACES: (9'x20'):	25 SPACES
ADA SPACES (12'x20'):	2 SPACES
TOTAL =	27 SPACES

BICYCLE PARKING:

REQUIRED	PROVIDED
2 SPACES	7 SPACES

IMPERVIOUS CALCULATIONS

TOTAL MAX. ALLOWABLE IMPERVIOUS COVERAGE = 1.58 AC (80%)
CONVENIENCE STORE W/ FUEL SALES = 1.09 AC (55.6%)

PROPOSED IMPERVIOUS AREA:

BUILDING AREA:	4,852 SF
ASPHALT AREA:	27,047 SF
CONCRETE AREA:	15,748 SF

LEGEND

- PROPERTY BOUNDARY
- LANDSCAPE BUFFER
- BUILDING SETBACK
- PROPOSED STANDARD DUTY ASPHALT PAVEMENT
- PROPOSED STANDARD DUTY CONCRETE PAVEMENT

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LICENSED PROFESSIONAL ENGINEER DEREK R. RAMSBURG STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	249188018
DATE	5/08/2026
SCALE	AS SHOWN
DESIGNED BY	CRL
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CHECKED BY	DER

SITE PLAN

7-11 OCOEE APOPKA RD

CITY OF APOPKA FLORIDA

SHEET NUMBER
C4.0

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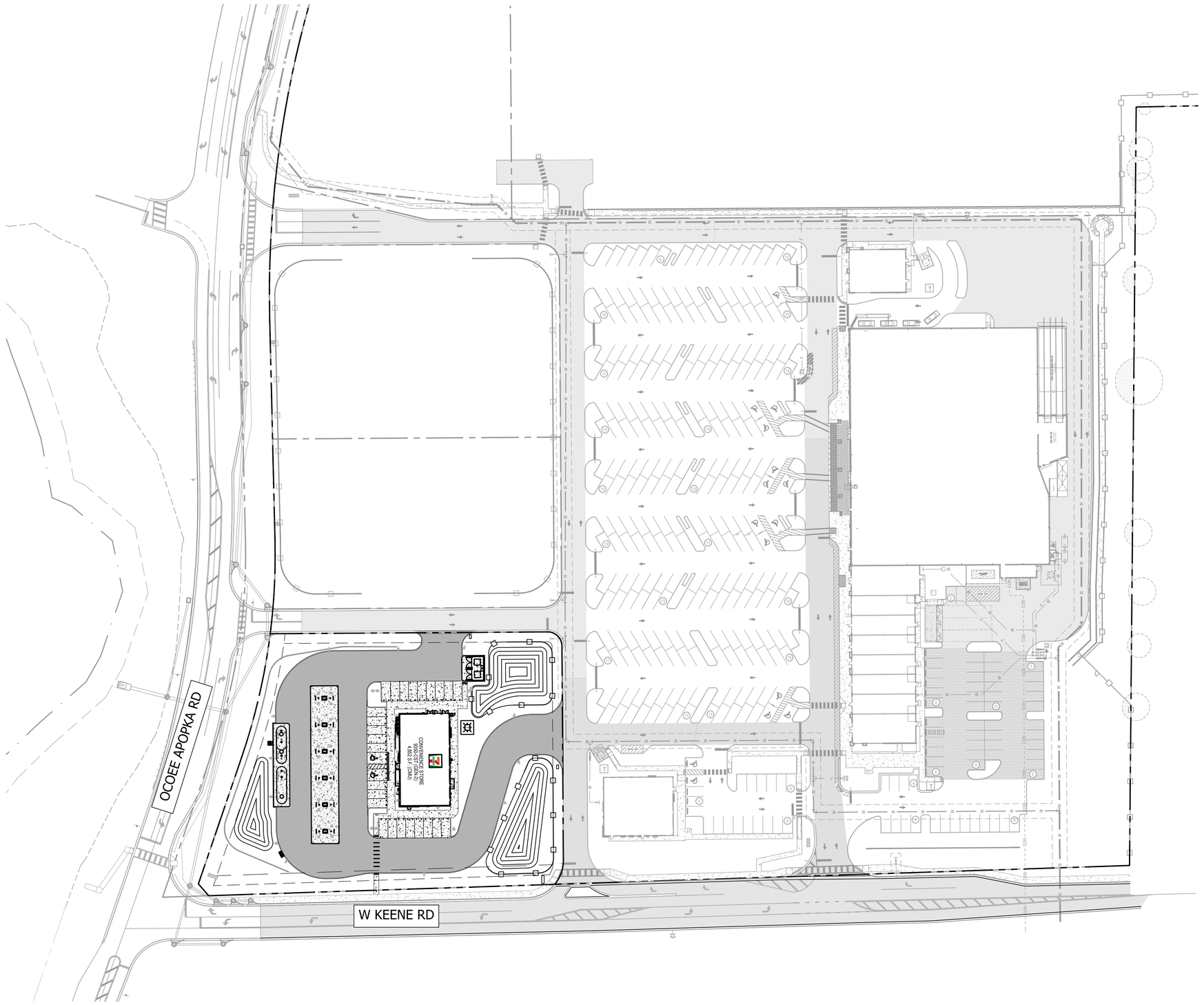

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GRAPHIC SCALE IN FEET
0 25 50 100

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OVERALL SITE PLAN

7-11 OCOEE APOPKA RD

CITY OF APOPKA FLORIDA

SHEET NUMBER
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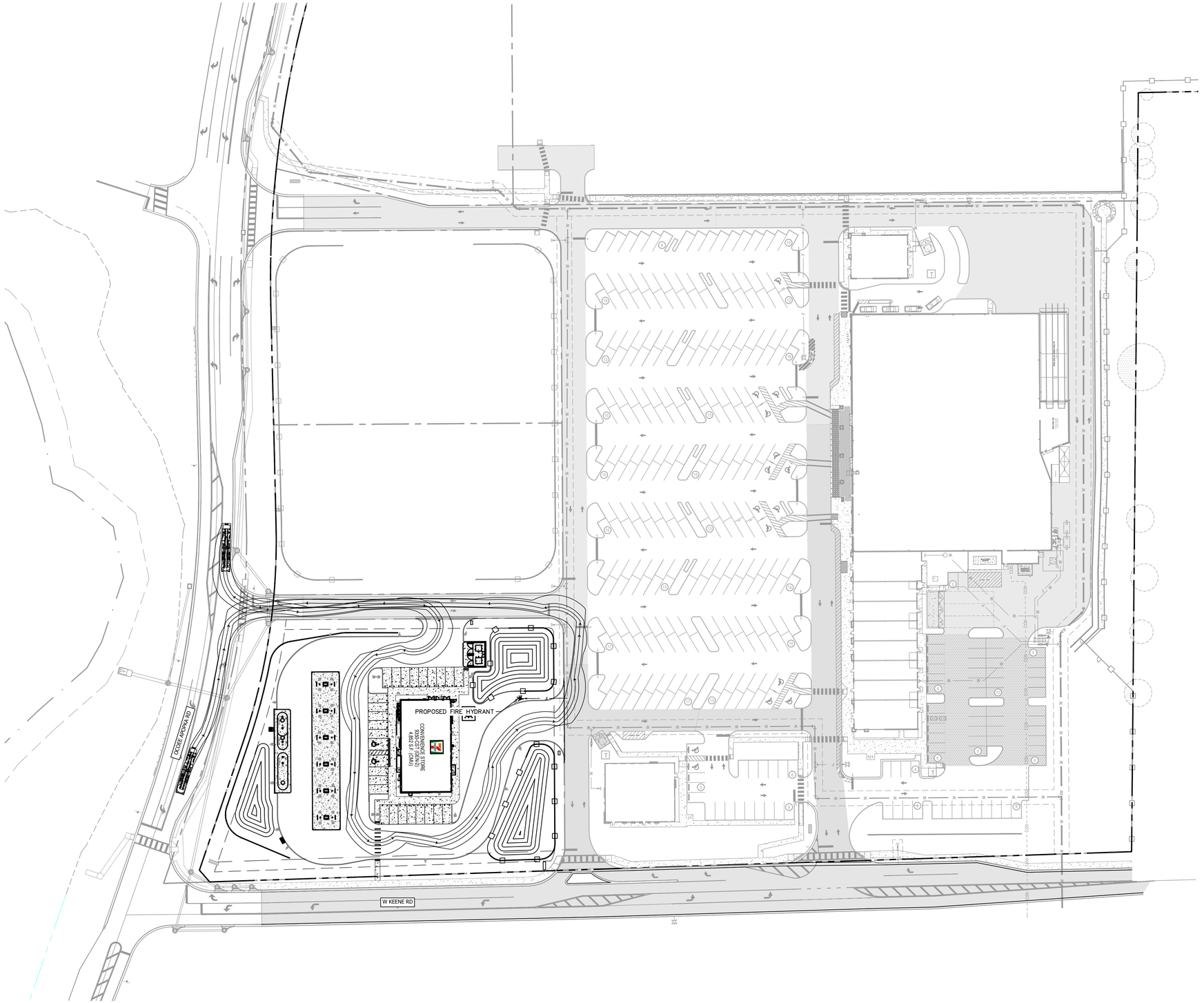
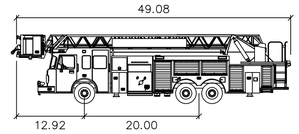


NORTH

GRAPHIC SCALE IN FEET
0 25 50 100



Smeal Platform RM 100ft

	feet
Width	: 8.33
Track	: 7.83
Lock to Lock Time	: 6.0
Steering Angle	: 48.0

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No.	REVISIONS	DATE	BY

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PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL ENGINEER DEREK R. RAMSBURG STATE OF FLORIDA PROFESSIONAL ENGINEER

KHA PROJECT	249188018
DATE	5/08/2026
SCALE	AS SHOWN
DESIGNED BY	CBL
DRAWN BY	TJE
CHECKED BY	DER

FIRE TRUCK ROUTING PLAN

7-11 OCOEE APOPKA RD

CITY OF APOPKA FLORIDA

SHEET NUMBER
C4.2

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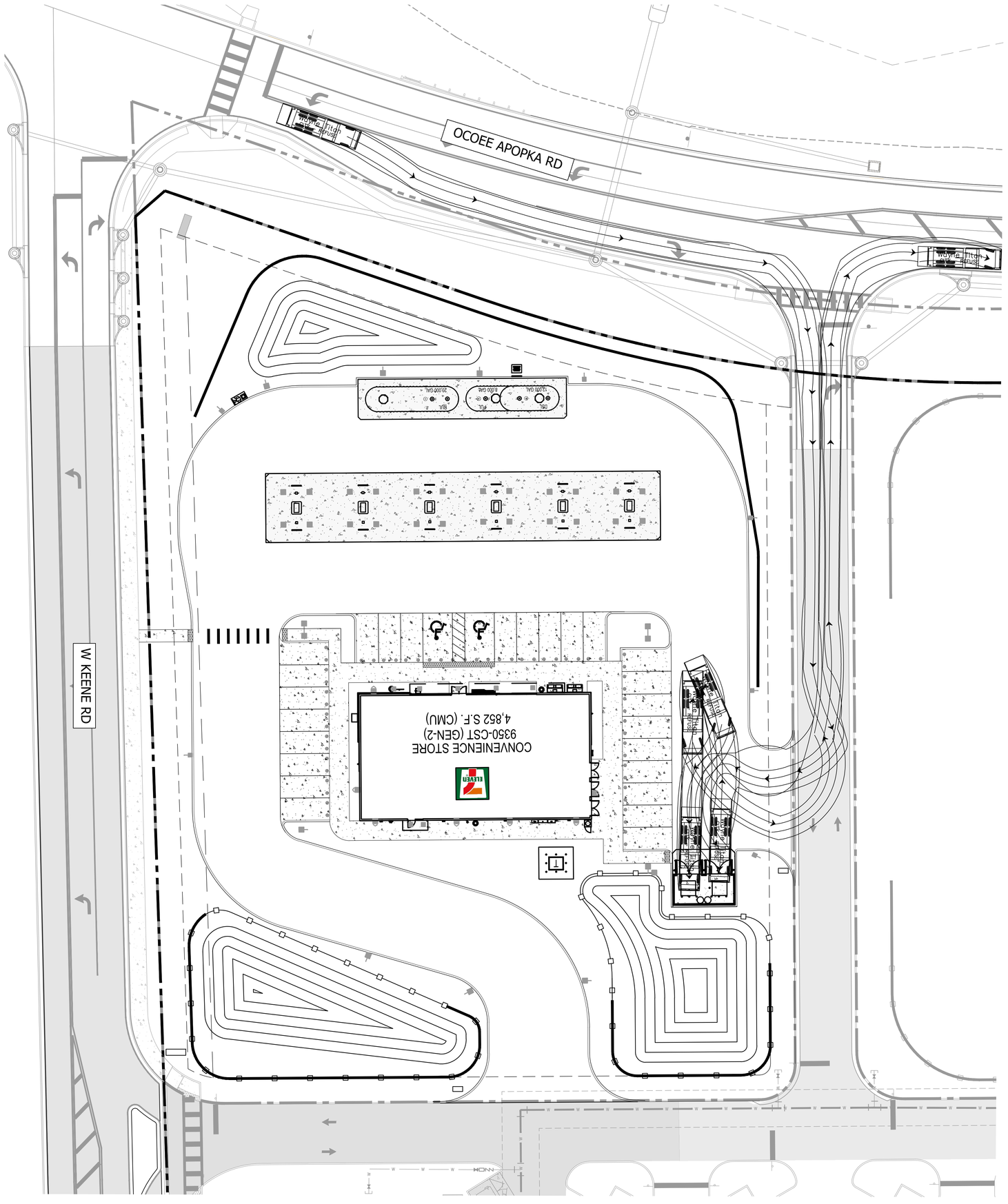

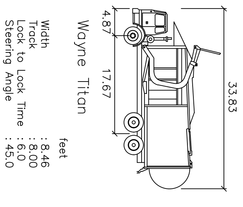

Wayne Titan — feet
Width : 8.46
Track : 8.00
Lock to Lock Time : 6.0
Steering Angle : 45.0

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

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SHEET NUMBER C4.3

7-11 OCOEE APOPKA RD

CITY OF APOPKA FLORIDA

TRASH ROUTING PLAN

KHA PROJECT	249188018
DATE	5/08/2026
SCALE	AS SHOWN
DESIGNED BY	CBL
DRAWN BY	TJE
CHECKED BY	DER

LICENSED PROFESSIONAL ENGINEER
DEREK E. RAMSBURG
LICENSE
DEREK RAMSBURG
STATE OF FLORIDA
PROFESSIONAL ENGINEER
LICENSE NUMBER 73993
DATE: 5/8/2026

Kimley»Horn
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No.	REVISIONS	DATE	BY

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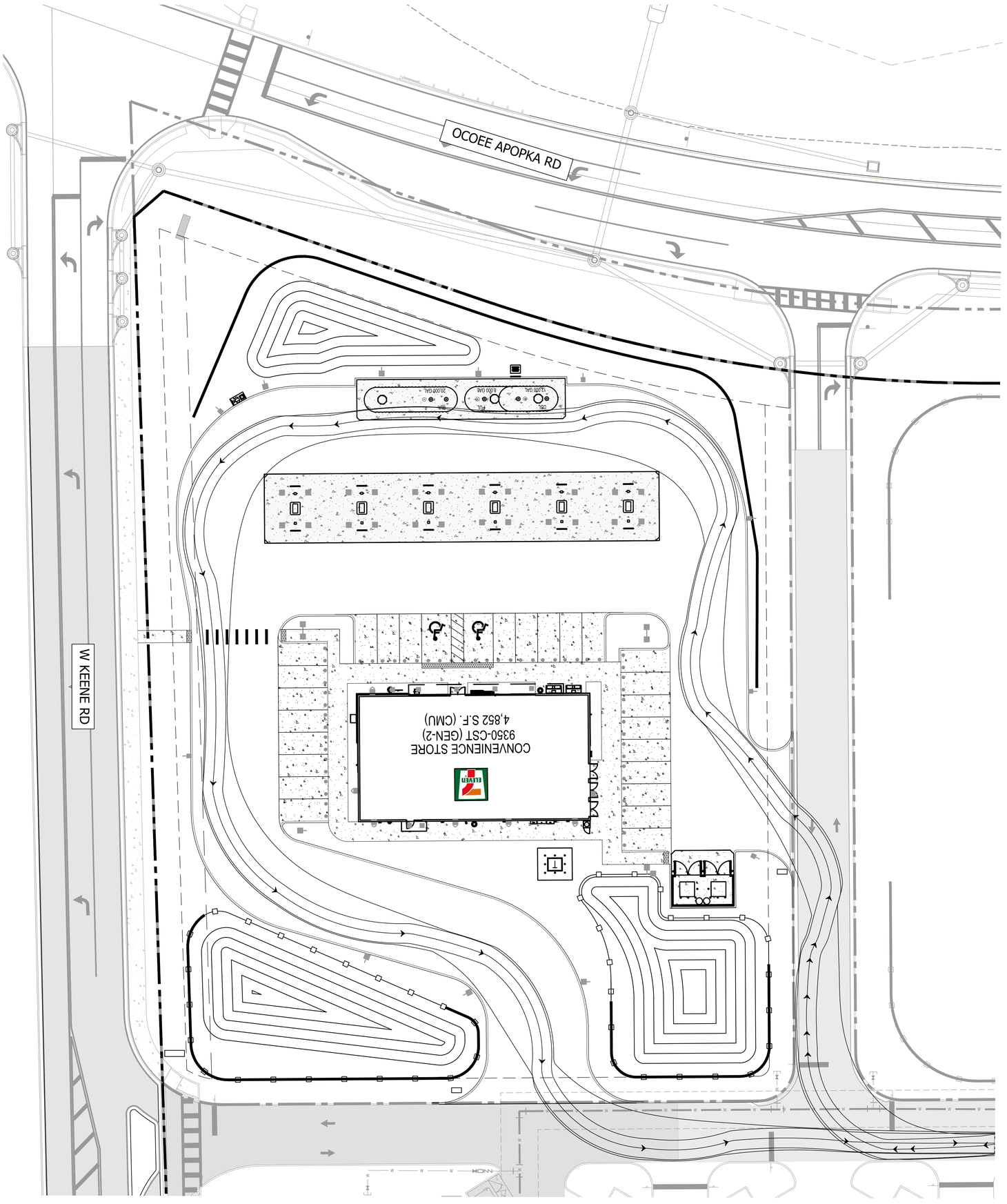

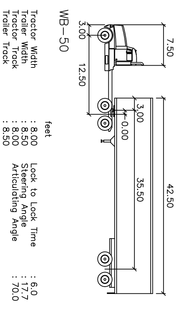

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SHEET NUMBER C4.4

7-11 OCOEE APOPKA RD

CITY OF APOPKA FLORIDA

SEMI TRUCK ROUTING PLAN

KHA PROJECT	249188018
DATE	5/08/2026
SCALE	AS SHOWN
DESIGNED BY	CBL
DRAWN BY	TJE
CHECKED BY	DER

LICENSED PROFESSIONAL ENGINEER
DEREK E. RAMSBURG
LICENSE
STATE OF FLORIDA
PROFESSIONAL ENGINEER
DEREK RAMSBURG
FLORIDA LICENSE NUMBER 73999
DATE: 5/8/2026

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No.	REVISIONS	DATE	BY

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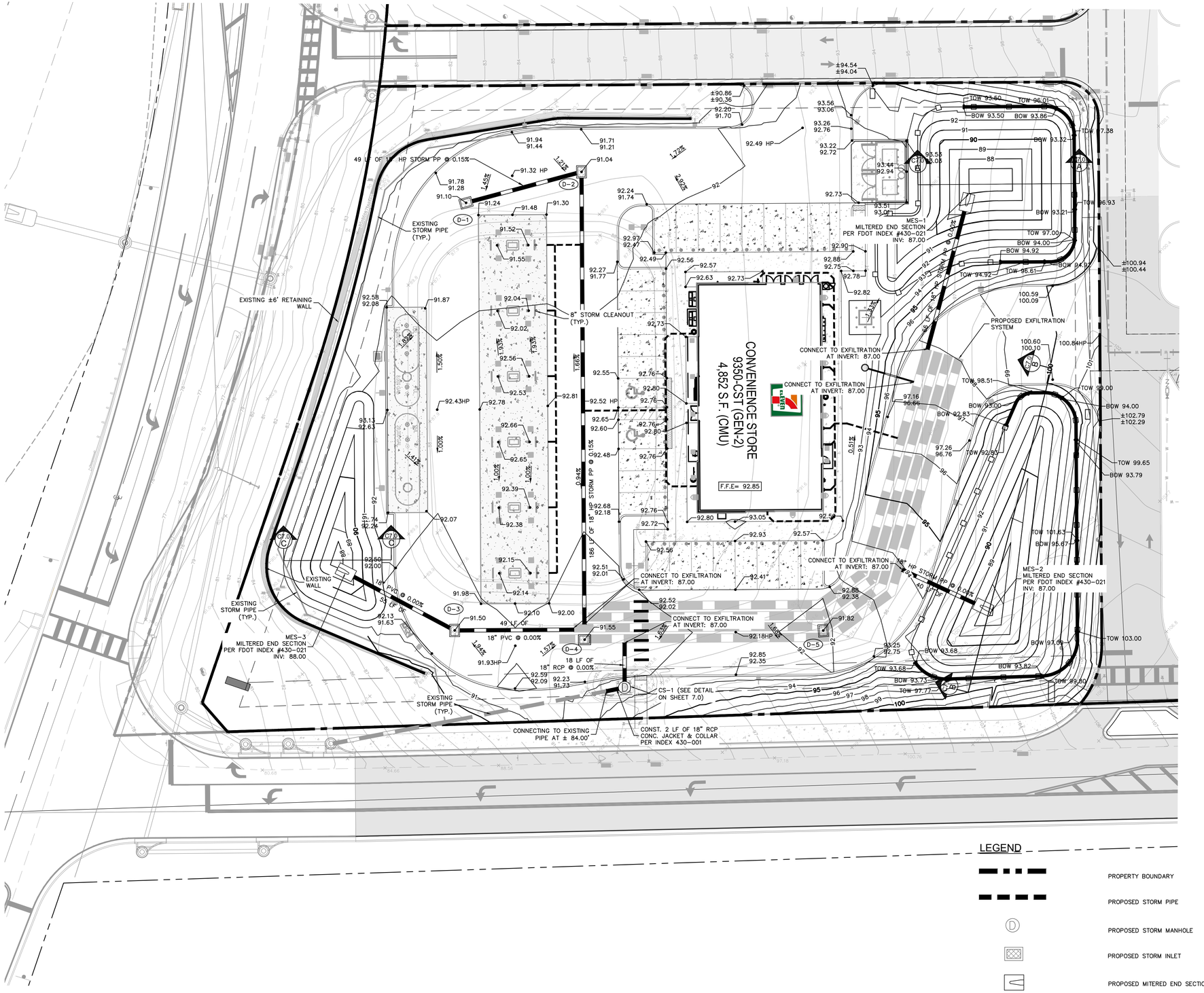

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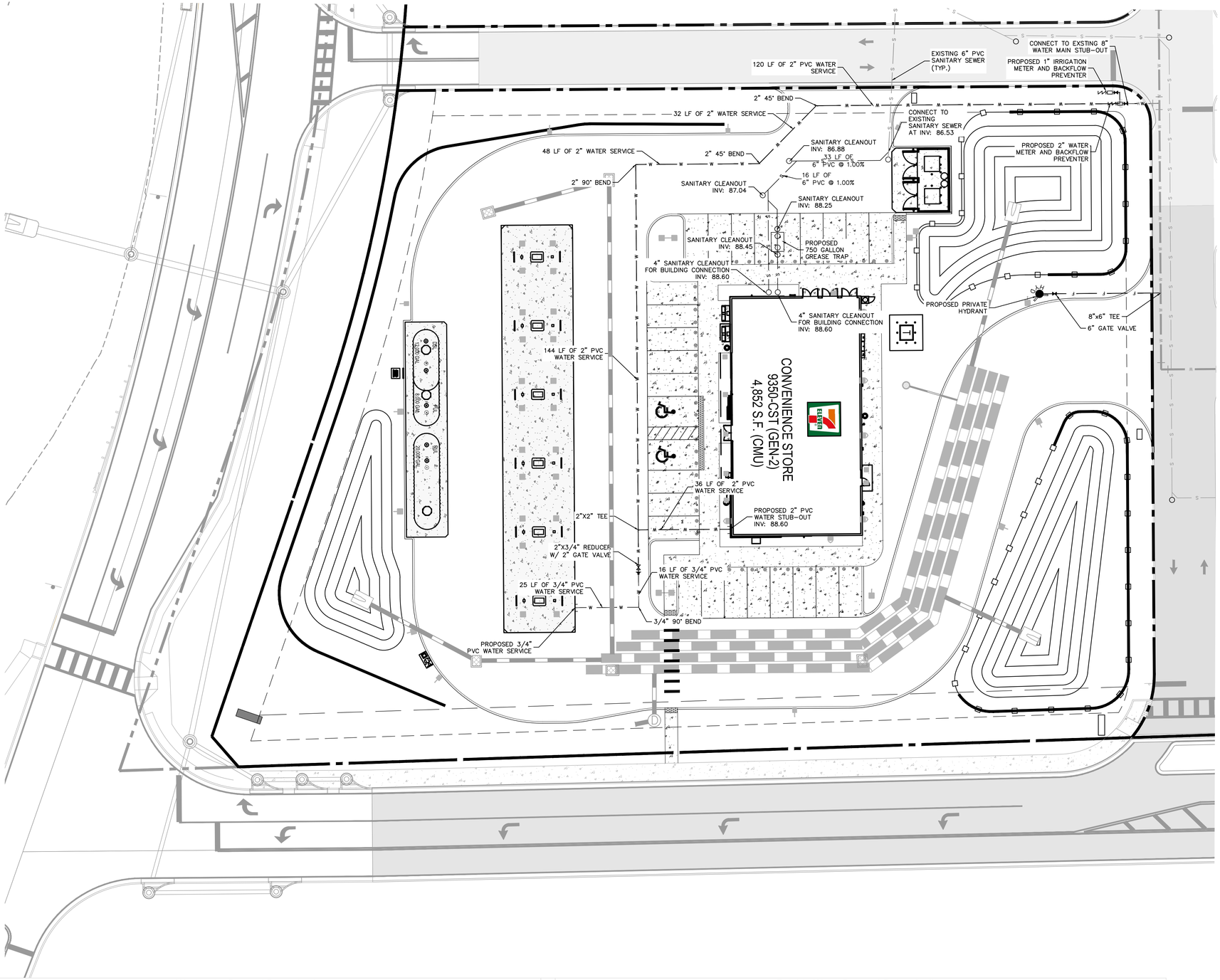

NOTES:

1. ALL ONSITE UTILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED UNLESS OTHERWISE NOTED.
2. MAINTAIN A MINIMUM OF 3-FT OF COVER OVER ALL PROPOSED UTILITIES.
3. ALL WATER MAINS, AND DOMESTIC LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF APOPKA STANDARDS AND CONSTRUCTION SPECIFICATIONS MANUAL.
4. CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.
5. ALL ELECTRIC AND TELEPHONE EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES.
6. CONTRACTOR TO CALL "SUNSHINE STATE ONE CALL OF FLORIDA" (1-800-432-4770) TO COORDINATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES BEFORE ORDERING MATERIALS OR COMMENCING CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
7. PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OTHER UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM THE ENGINEER AND THE OWNER/ DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. THE ENGINEER AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION. THE CITY OF APOPKA SHALL BE NOTIFIED OF ANY AND ALL CHANGES TO THE DESIGN PLANS.
8. CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT LIMITED FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH PERFORMANCE CRITERIA AS REQUIRED BY OSHA.
9. CONTRACTOR TO AVOID DISRUPTION OF ANY ADJACENT TENANT'S TRAFFIC OPERATIONS, TO THE MAXIMUM EXTENT, DURING INSTALLATION OF UTILITIES. IF TRAFFIC IS TO BE OBSTRUCTED CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL PLAN WITH THE LOCAL MUNICIPALITY.
10. ALL DIMENSIONS ARE TO CENTERLINE OF PIPE OR CENTER OF MANHOLE UNLESS NOTED OTHERWISE.
11. SEE PLUMBING PLANS FOR EXACT UTILITY CONNECTION LOCATIONS AT BUILDING.
12. LIGHT POLES SHOWN FOR COORDINATION PURPOSES ONLY AND DO NOT REPRESENT ACTUAL SIZE. SEE SITE LIGHTING PLANS BY OTHERS FOR MORE INFORMATION.
13. ELECTRIC, TELEPHONE, AND OTHER DRY UTILITIES SHALL BE PLACED WITHIN CONDUIT, MEETING PRIVATE UTILITY STANDARDS, WHEN ROUTE CROSSES PAVED DRIVES AND PARKING AREAS.
14. ALL UNDERGROUND WATER MAINS AND HYDRANTS SHALL BE INSTALLED, COMPLETED AND IN SERVICE PRIOR TO ANY COMBUSTIBLES BEING BROUGHT ONSITE.
15. CONTRACTOR TO ENSURE ADEQUATE COVER REMAINS OVER ALL EXISTING UTILITIES.
16. CONTRACTOR TO VERIFY EXISTING COVER OVER ALL UTILITIES BEFORE START OF CONSTRUCTION AND TO COORDINATE WITH THE ENGINEER OF RECORD PRIOR TO START OF CONSTRUCTION IF DESIGN DOES NOT PROVIDE 36" COVER.
17. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES AT ALL POINTS OF CONNECTION TO, AND AT ALL AREAS OF CONFLICT WITH CITY OF APOPKA MAINS.
18. ALL UTILITIES (INCLUDING PUMP STATION IF APPLICABLE) LOCATED OUTSIDE PUBLIC RIGHT-OF-WAYS AND PUBLIC EASEMENTS SHALL BE PRIVATELY OWNED AND MAINTAINED.
19. PRIOR TO INITIATING CONSTRUCTION, CONTACT THE CITY OF APOPKA AT (407) 703-1731 TO SCHEDULE A PRECONSTRUCTION MEETING. THE PRECONSTRUCTION MEETING CANNOT BE HELD UNTIL THE STAMPED PLANS ARE RELEASED BY THE BUILDING DEPARTMENT. CONSTRUCTION SHALL NOT BE PERMITTED WITHOUT A CITY OF APOPKA PRECONSTRUCTION MEETING AND SET OF STAMPED PLANS LOCATED ON THE PROJECT SITE.
20. ALL EXISTING UTILITIES HAVE BEEN FIELD VERIFIED AT ALL POINTS OF CONNECTION TO, AND AT ALL AREAS OF CONFLICT WITH CITY OF APOPKA MAINS.
21. PROJECT SHALL CONFORM TO FFPC 8TH EDITION (NFPA 1 AND 101 2021 EDITION)
22. PRIOR TO FIRE LINE INSTALLATION, THE FLORIDA LICENSED CONTRACTOR SHALL SUBMIT LAYOUT DESIGN DRAWINGS TO THE OFFICE OF THE FIRE MARSHAL IF REQUIRED BY FLORIDA STATUE 553.79, DRAWINGS MUST BE SIGNED AND SEALED BY A FLORIDA LICENSED PROFESSIONAL ENGINEER. THE DRAWINGS MUST SHOW ALL UNDERGROUND FIRE LINES AND COMPONENTS STARTING FROM THE "POINT OF SERVICE" AS DEFINED UNDER FLORIDA STATUE 633.102. THE DESIGN SHALL BE IN ACCORDANCE TO THE CURRENT FLORIDA FIRE PREVENTION CODE AND ALL ADOPTED NFPA CODES AND STANDARDS.
23. CONTRACTOR TO ENSURE THAT 36" CLEAR IS PROVIDED AROUND ALL FIRE HYDRANTS.
24. ALL IMPORT FILL THAT WILL BE UTILIZED FOR POND RECOVERY MUST MEET A MINIMUM HORIZONTAL INFILTRATION RATE OF 36 FT/DAY AND A MINIMUM VERTICAL INFILTRATION RATE OF 24 FT/DAY. PROJECT GEOTECHNICAL ENGINEER MUST VERIFY THE INFILTRATION RATE AND ADVISE LIMITS OF RECOVERY INFLUENCE AREA WHERE SOIL MUST BE PLACE TO AVOID POND RECOVERY ISSUES.

LEGEND

- PROPERTY BOUNDARY
- W W — PROPOSED WATER LINE
- S S — PROPOSED SANITARY SEWER LINE
- PROPOSED FORCE MAIN
- (S) PROPOSED SANITARY MANHOLE
- PROPOSED STORM PIPE
- (D) PROPOSED STORM MANHOLE
- PROPOSED STORM INLET

Needed Fire Flow (NFF)

per Florida Fire Prevention Code (8th Edition)

7-Eleven Store

Building Fire Area=	4,852	SF
Building Type (per NFPA 220) =	II (000)	
Associated Min. Required Fire Flow= (per Table 18.4.5.1.2 of the NFPA Uniform Fire Code Handbook)	1,500	GPM
Fire Sprinkler - Yes or No=	NO	
Calculated Fire Flow= (with 75% fire sprinkler credit, if applicable)	1,500	GPM
Minimum Fire Flow Required=	1,500	GPM
Fire Flow Provided=	**1,500 GPM**	

Wastewater Demand Determination

(per City of Apopka Land Development Code Sec. 5.14 & 2023 Florida Building Code, Plumbing, Eighth Edition)

Building	Unit Type	# Units	LEVEL OF SERVICE		ERC per Unit	Total ERC's	GPD			GPM		
							ADF	MDF	PHF	ADF	MDF	PHF
Convenience Store	Restroom	7	1	per Unit	1	7.000	2100	4200	8400	1.46	2.92	5.84
	3" Floor Drain	3	1	per Unit	0.2083	0.625	188	376	752	0.13	0.26	0.52
	Urinal	4	1	per Unit	0.1667	0.667	200	400	800	0.14	0.28	0.56
	Water Closet	3	1	per Unit	0.1667	0.500	150	300	600	0.10	0.20	0.40
	3" Floor Sink	6	1	per Unit	0.2083	1.250	375	750	1500	0.26	0.52	1.04
	Mop Sink	3	1	per Unit	0.0833	0.250	75	150	300	0.05	0.10	0.20
Total							**3,088**	**6,176**	**12,352**	**2.14**	**4.28**	**8.56**

Potable Water Demand Determination

(per City of Apopka Land Development Code Sec. 5.14 & 2023 Florida Building Code)

Building	Unit Type	# Units	LEVEL OF SERVICE		ERC per Unit	Total ERC's	GPD			GPM		
							ADF	MDF	PHF	ADF	MDF	PHF
Convenience Store	Restroom	7	1	per Unit	1	7.000	2275	4550	9100	1.58	3.16	6.32
	3" Floor Drain	3	1	per Unit	0.2083	0.625	203	406	812	0.14	0.28	0.56
	Urinal	4	1	per Unit	0.1667	0.667	217	434	868	0.15	0.30	0.60
	Water Closet	3	1	per Unit	0.1667	0.500	163	326	652	0.11	0.22	0.44
	3" Floor Sink	6	1	per Unit	0.2083	1.250	406	812	1624	0.28	0.56	1.12
	Mop Sink	3	1	per Unit	0.0833	0.250	81	162	324	0.06	0.12	0.24
Total							**3,345**	**6,690**	**13,380**	**2.32**	**4.64**	**9.28**

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WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL ENGINEER DEREK R. RAMSBURG LICENSE NUMBER 88808 STATE OF FLORIDA

KHA PROJECT	249188018
DATE	5/06/2026
SCALE	AS SHOWN
DESIGNED BY	CBL
DRAWN BY	TJE
CHECKED BY	DER

UTILITY PLAN

7-11 OCOEE APOPKA RD

FLORIDA

CITY OF APOPKA

SHEET NUMBER
C6.0

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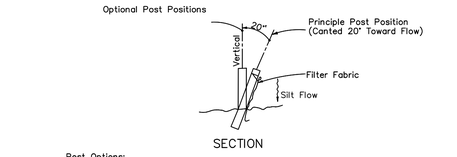
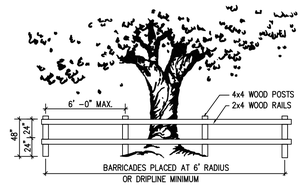
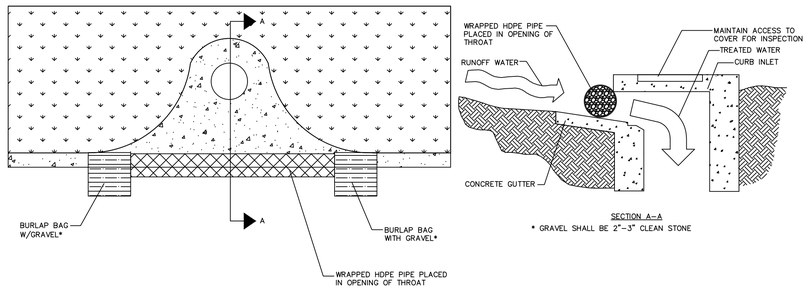


TYPE III SILT FENCE
NTS



TREE PROTECTION DETAIL
NTS



SOCK DRAIN INLET SEDIMENT FILTER
NTS

NOTE: THE PERFORATED PIPE MUST EXTEND AT LEAST 1' BEYOND THE CURB OPENING ON EACH SIDE AND BE ANCHORED WITH GRAVEL BAGS, OR SIMILAR, ON EACH END. A SPACER MUST BE PROVIDED FOR BETWEEN THE INLET OPENING AND THE PIPE TO ALLOW FOR OVERFLOW, PREVENT FLOODING AND TO PREVENT THE PIPE FROM FALLING INTO THE INLET.

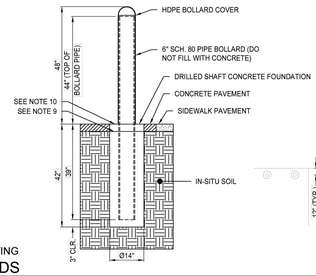
REMOVED DRAIN HOLE REFERENCES
PER CR2024-3007

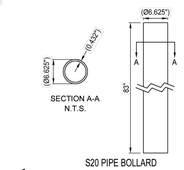
ADMIN: REORGANIZED SHEET
PER CR2024-3007

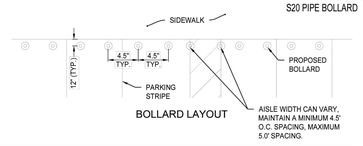
GENERAL NOTES:

1. MAXIMUM BOLLARD SPACING IS 5' ON CENTER
2. CONCRETE TO BE 4,000 PSI MIN. UNCONFINED COMPRESSIVE STRENGTH.
3. REINFORCING STEEL CONFORMS TO ASTM A615 GRADE 60.
4. BOLLARD PIPE IS ASTM A53, TYPE E, GRADE B OR A500 GRADE B/C.
5. PROVIDE HIGH-DENSITY POLYETHYLENE (HDPE) BOLLARD COVER. COVER TO BE IDEALSHIELD (OR APPROVED EQUAL) 1/8" THICK, BLACK, 6" PIPE FIT, DOME TOP, 48" TALL.
6. DO NOT FILL BOLLARD PIPE WITH CONCRETE. TEMPORARILY SEAL BOTTOM AS NECESSARY TO PREVENT CONCRETE INTRUSION WHILE POURING.
7. USE SONOTUBE IN SANDY OR OTHER SOILS THAT MIGHT CAVE IN.
8. DIMENSIONS IN PARENTHESIS ARE NOMINAL.
9. COLD JOINT ACCEPTABLE THIS LINE FOR NEW INSTALLATIONS IN MONOLITHIC POUR CONCRETE PAVEMENT.
10. SLOPE TOP OF CONCRETE AWAY FROM BOLLARD 1/4" FROM PIPE TO EDGE OF DRILLED SHAFT OR CAP.
11. INCREASE DEPTH OF CAISSON AND BOLLARD PIPE TO MEET LOCAL JURISDICTION MIN. FROST DEPTH REQUIREMENT.
12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY NO UTILITY CONFLICTS EXIST WHERE BOLLARDS ARE TO BE INSTALLED, PRIOR TO INSTALLATION.

DESIGN SPECIFICATIONS: ASTM F3016-19 CONDITION DESIGNATION S20





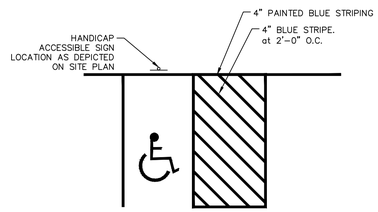


1 DEEP MOUNT S20 BOLLARD IN CONCRETE PAVING
STORE FRONT GUARD BOLLARDS
NOT TO SCALE

SIGNAGE

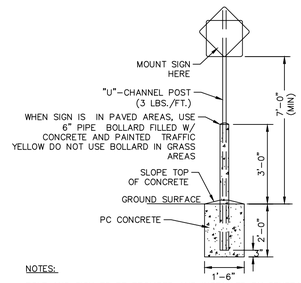
NOTES:
1. ALL LETTERS ARE 1" AERIES "C" PER MUTCD.
2. SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.
3. FINE NOTIFICATION SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WITH WHITE LEGEND AND BORDER.
4. CONTRACTOR SHALL VERIFY FINE AMOUNT.
5. ONE(1) SIGN REQUIRED FOR EACH PARKING SPACE.
6. INSTALLED HEIGHT OF SIGN SHALL BE IN ACCORDANCE WITH SECTION 24-23 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
7. ALL ACCESSIBLE FEATURES TO BE IN STRICT ACCORDANCE WITH A.D.A STANDARDS AND LOCAL LAWS.
8. VAN PLAQUE TO BE INSTALLED AS NECESSARY.

ACCESSIBLE PARKING SIGNAGE
N.T.S.



NOTE: REFER TO PLAN FOR
DETAILED LAYOUT AND DIMENSIONS

TYPICAL HANDICAP STRIPING
N.T.S.

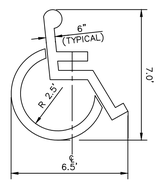


NOTES:

POLE AND SIGN TO BE PROVIDED AND INSTALLED BY GENERAL CONTRACTOR.

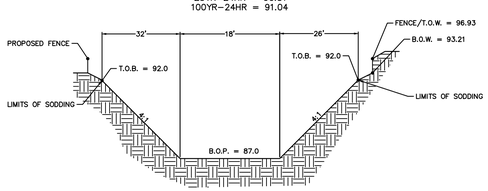
ALL SIGNS SHALL COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", LOCAL CODES AND AS SPECIFIED. MOUNT SIGNS TO POST IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

STANDARD SIGN BASE
N.T.S.



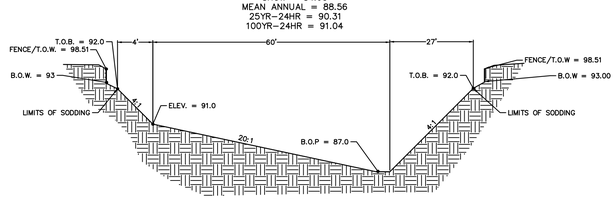
ACCESSIBLE PARKING SYMBOL
N.T.S.

POND MAX. STAGES
SHGW = 84.63
MEAN ANNUAL = 88.56
25YR-24HR = 90.31
100YR-24HR = 91.04



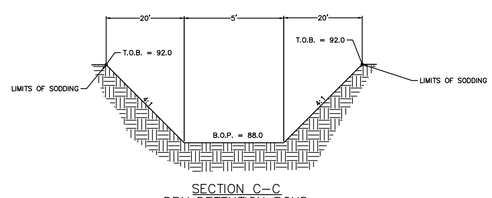
SECTION A-A
DRY DETENTION POND
NTS

POND MAX. STAGES
SHGW = 84.63
MEAN ANNUAL = 88.56
25YR-24HR = 90.31
100YR-24HR = 91.04



SECTION B-B
DRY DETENTION POND
NTS

POND MAX. STAGES
SHGW = 84.63
MEAN ANNUAL = 88.56
25YR-24HR = 90.31
100YR-24HR = 91.04



SECTION C-C
DRY DETENTION POND
NTS

Kimley»Horn
200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL 32801
PHONE: 407-898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

No.	REVISIONS	DATE	BY

LICENSED PROFESSIONAL ENGINEER
DEREK E. RAMSBURG
FLORIDA
PE 88961
REGISTERED
5/08/2026
DATE

KHA PROJECT 249188018	DATE 5/08/2026	SCALE AS SHOWN	DESIGNED BY CBL
			DRAWN BY TJE
			CHECKED BY DER

STANDARD DETAILS

7-11 OCOEE APOPKA RD
FLORIDA
CITY OF APOPKA

SHEET NUMBER
C7.0

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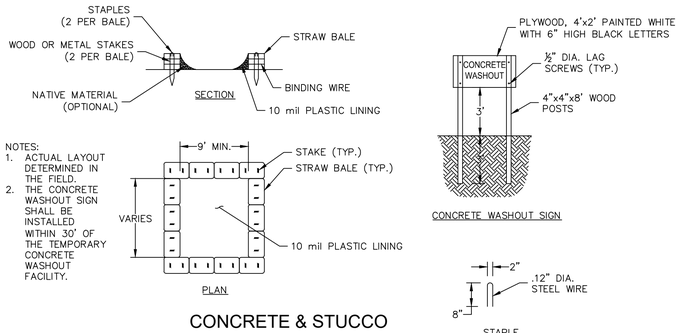
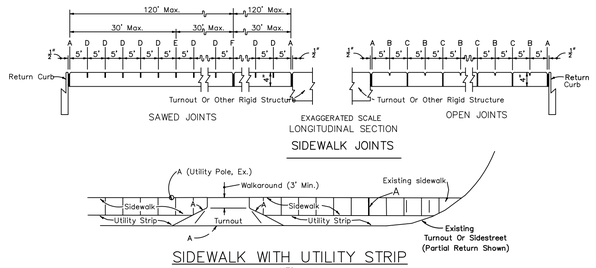


CONCRETE & STUCCO WASTE MANAGEMENT

N.T.S



SIDEWALK WITH UTILITY STRIP

NTS

JOINT LEGEND

A– ½" EXPANSION JOINTS (PREFORMED JOINT FILLER)
B– ½" DUMMY JOINTS, TOOLED
C– ¼" FORMED OPEN JOINTS
D– @ 5' SAW CUT JOINTS, ½" DEEP (96 HOUR) MAX. 5' CENTERS
E– @ 5' SAW CUT JOINTS, ½" DEEP (12 HOUR) MAX. 30' CENTERS
F– ½" EXPANSION JOINT WHEN RUN OF SIDEWALK EXCEEDS 120'
G– COLD JOINT WITH BOND BREAKER, TOOLED

FOOTNOTES:

ALL 1/2" JOINTS SHALL BE CONSTRUCTED WITH PREFORMED JOINT FILLER.

* 1/8" OPEN JOINTS PLACED AT EQUAL (20' MAX.) INTERVALS FOR DRIVEWAYS OVER 20' WIDE. JOINTS IN CURB AND GUTTER TO MATCH JOINTS IN DRIVEWAYS.

◊ DRIVEWAYS (6" CONCRETE) SHALL BE OF A UNIFORM WIDTH (W) AS SHOWN ON SHT. P–1.

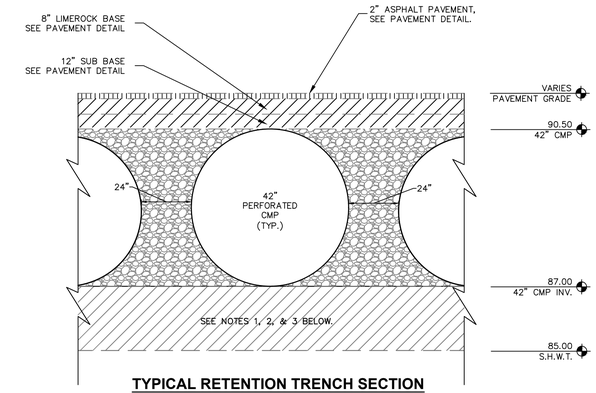
GENERAL NOTES

SIDEWALKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION NO. 522 EXCEPT FOR CURB CUT RAMP RUNS WHICH SHALL BE FINISHED IN ACCORDANCE WITH FDOT INDEX 522–002.

BOND BREAKER MATERIAL CAN BE ANY IMPERMEABLE COATED OR SHEET MEMBRANE OR PREFORMED MATERIAL HAVING A THICKNESS OF NOT LESS THAN 6 MILS NOR MORE THAN 1/2".

CONCRETE SIDEWALK DETAIL

NTS

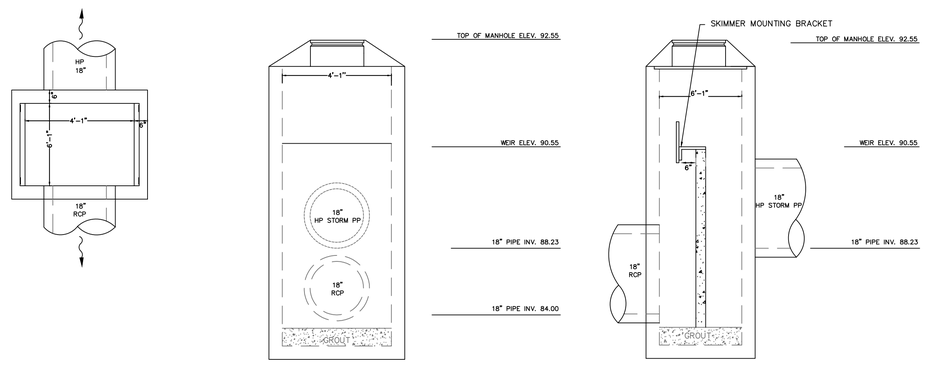


TYPICAL RETENTION TRENCH SECTION

NTS

NOTE:

1. SEE SHEET C5.0 FOR DETAILS REGARDING DESIGN OF RETENTION TRENCH.
2. CONTRACTOR TO ENSURE FILL PLACED AROUND RETENTION TRENCH SHALL BE CLEAN, GRANULAR, INORGANIC SANDY SOILS WITH LESS THAN 5 PERCENT PASSING THE US NO. 200 SIEVE.
3. BACKFILL MATERIAL WILL NEED TO BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT TO ENSURE THAT IT IS CONSISTENT WITH EXISTING SOIL CONDITIONS AND WILL NOT AFFECT INFILTRATION.



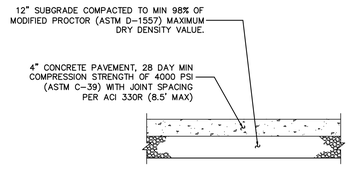
CS-1 CONTROL STRUCTURE DETAIL

USE TYPE "J7" MANHOLE
PER F.D.O.T. INDEX NO. 425–010

N.T.S.

MILL & RESURFACE SECTION

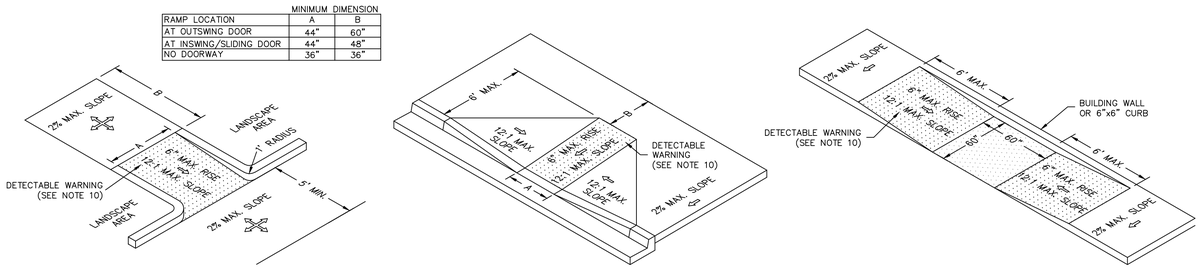
NTS



CONCRETE SIDEWALK DETAIL

NTS

RAMP LOCATION	MINIMUM DIMENSION A	MINIMUM DIMENSION B
AT OUTSWING DOOR	44"	60"
AT INSWING/SLIDING DOOR	44"	48"
NO DOORWAY	36"	36"

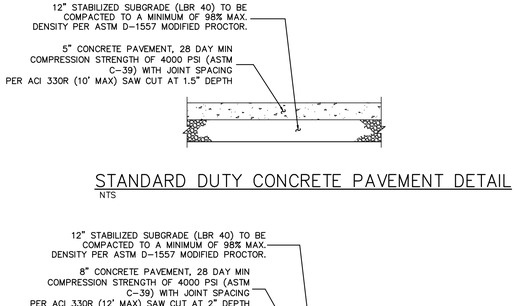


NOTES:

1. ALL CURB CUT ACCESSIBLE RAMPS AND DETECTABLE WARNING SURFACES SHALL BE INSTALLED BY THE SITE CONTRACTOR.
2. THE STANDARD COLOR FOR THE DETECTABLE WARNING SURFACE SHALL BE YELLOW. ANY TYPE OF ADHESIVE OR GLUE DOWN MATS; STAMPED CONCRETE OR ANY VARIATION OTHER THAN WHAT IS SPECIFIED ABOVE WILL NOT BE ACCEPTED BY CLAY COUNTY. CLAY COUNTY WILL CONSIDER ALTERNATIVES THAT ARE EQUAL TO THE PRODUCTS SPECIFIED ABOVE. COUNTY ENGINEER AND THE CHIEF ENGINEER FOR DEVELOPMENT SERVICES WILL HAVE THE SOLE RESPONSIBILITY FOR DETERMING THE PRODUCT ACCEPTABILITY.
3. ALL DETECTABLE WARNING SURFACES FOR SIDEWALKS AT CURB CUT HANDICAP RAMP SHALL BE A COUNTY APPROVED YELLOW COLORED COMPOSITE MATERIAL ANCHORED IN THE CONCRETE SIDEWALK RAMP. ANCHORED COMPOSITE WARNING AREA INSERTS ARE TO BE COLORED "SAFETY YELLOW", ARE TO BE SET INTO THE CONCRETE AND ARE TO BE FLUSH WITH CONCRETE SURFACE ALONG ALL FOUR SIDES. DESIGN DIMENSIONS OF DETECTABLE WARNING AREA SHALL CONFORM TO FDOT STANDARD INDEX 522–002, CODE OF FEDERAL REGULATIONS PART 36, AND SJC REQUIREMENTS.

ACCESSIBLE RAMPS

N.T.S

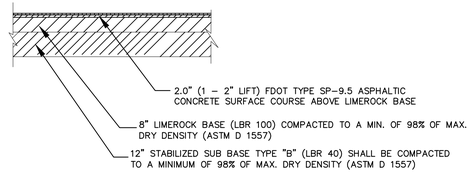


STANDARD DUTY CONCRETE PAVEMENT DETAIL

NTS

HEAVY DUTY CONCRETE PAVEMENT DETAIL

NTS



STANDARD/HEAVY DUTY ASPHALT PAVEMENT SECTION

NTS

NO.	REVISIONS	DATE	BY
1			

Kimley»Horn
200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL 32801
PHONE: 407–898–1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL ENGINEER DEREK E. RAMSBURG STATE OF FLORIDA
DEREK E. RAMSBURG, P.E. LICENSE NUMBER 78960
DATE: 5/08/2026

KHA PROJECT	249188018
DATE	5/08/2026
SCALE	AS SHOWN
DESIGNED BY	CBL
DRAWN BY	TJE
CHECKED BY	DER

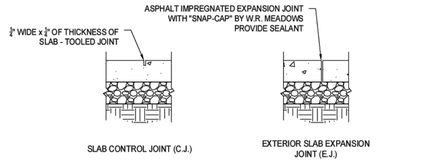
STANDARD DETAILS

7-11 OCOEE APOPKA RD

FLORIDA

CITY OF APOPKA

SHEET NUMBER
C7.1



FOR 5' OR 8' WALKS, INSTALL A CONTROL JOINT EVERY 5' AND ONE IN THE CENTER (5' FROM THE BACK OF THE BUILDING FOR EXAMPLE)

DETAILS ONLY APPLY TO BUILDING SIDEWALK. THEY DO NOT APPLY TO INTERIOR SLAB OR SITE CONCRETE.

10 CONCRETE WALK JOINTING SECTIONS
NOT TO SCALE

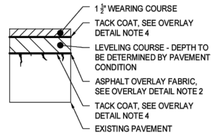
ASPHALT SEALING

1. SURFACE CLEANING
   THE SURFACE TO BE SEALED SHALL BE FREE FROM DIRT AND OTHER FOREIGN MATTER. ANY ACCUMULATIONS OF OIL PR GREASE SHALL BE CLEANED OFF THE PAVEMENT WITH DETERGENT SOLUTION. THE RESIDUE OF WHICH SHALL BE THOROUGHLY WASHED AWAY WITH CLEAN WATER BEFORE SEALANT IS APPLIED.
2. SEALING:
   THE SEAL COATING MATERIAL SHALL BE COMPRISED OF A RUBBERIZED COAL-TAR PITCH EMULSION AND SHALL MEET OR EXCEED FEDERAL SPECIFICATION R-P-355e. SUPPLIED IN CONCENTRATED FORM, IT SHALL BE DILUTED A MINIMUM OF 15% AND A MAXIMUM OF 25% WITH FRESH, CLEAN WATER. THE SEALANT MATERIAL SHALL CONTAIN 5-6 LBS. PER GALLON OF FINE , CLEAN, DRY SILICAS AND MEETING THE FOLLOWING GRADATION:

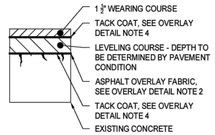
SIEVE SIZE	% PASSING
#16	100
#30	80-100
#50	10-60
#100	0-5

THE SEALANT SHALL BE APPLIED TO THE PAVEMENT IN TWO COATS AT THE RATE OF 0.06 TO 0.12 GALLONS PER SQUARE YARD. A LATEX ADDITIVE MAY ALSO BE ADDED TO THE SEALANT TO ALLOW FOR QUICKER DRYING TIME IN THOSE AREAS SPECIFIED BY OWNER'S REPRESENTATIVE.

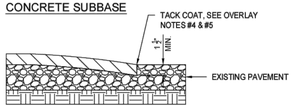
7 ASPHALT SEALING NOTES
NO SCALE



ASPHALT SUBBASE



CONCRETE SUBBASE



WHERE OVERLAY IS NOT SPECIFIED FOR ENTIRE EXISTING SURFACE, THE INTERFACE BETWEEN THE NEW OVERLAY AND THE OLD PAVEMENT SURFACE SHALL BE PER THE ABOVE DETAIL. FEATHERING OF THE ASPHALT TO MEET THE EXISTING PAVEMENT WILL NOT BE ACCEPTABLE.

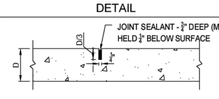
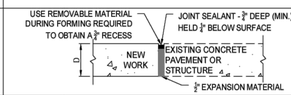
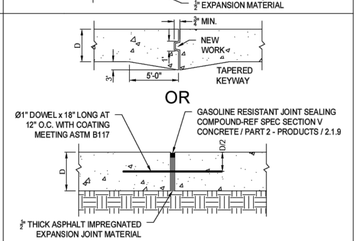
EDGE DETAIL

OVERLAY DETAIL NOTES:

1. THE OVERLAY SHALL BE PLACED IN ACCORDANCE WITH OWNER'S SPECIFICATIONS.
2. ALL FAILED AREAS SHALL BE REPAIRED WITH PROPER PATCHES BEFORE OVERLAY IS PLACED.
3. IF THE SURFACE IS DISTURBED, THE CONTRACTOR SHALL CONSTRUCT LEVELING COURSES TO RESTORE PROPER LINE AND CROSS SECTION.
4. THE PAVEMENT SHALL BE THOROUGHLY CLEANED AND A TACK COAT OF ASPHALT SHALL BE APPLIED BEFORE THE OVERLAY IS PLACED.
5. ALL VERTICAL SURFACES COMING IN CONTACT WITH THE OVERLAY SHALL BE SPRAYED OR PAINTED WITH A UNIFORM COATING OF EMULSIFIED ASPHALT IMMEDIATELY PRIOR TO PAVEMENT CONSTRUCTION.
6. CONTRACTOR IS RESPONSIBLE FOR ENSURING PROPER SURFACE DRAINAGE. PONDING OR PUDDLING OF WATER ON THE FINAL SURFACE WILL BE UNACCEPTABLE.
7. REPLACE IN KIND ANY EXISTING TRAFFIC LOOPS AND/OR RELATED SENSOR EQUIPMENT THAT IS REMOVED OR DAMAGED DUE TO PAVEMENT MILLING ACTIVITY.

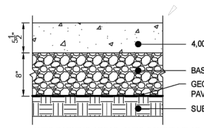
8 ASPHALT OVERLAY PAVEMENT SECTIONS
NOT TO SCALE

CONCRETE PAVEMENT JOINT DETAILS

TYPE OF JOINT	USE DESCRIPTION	DETAIL
A. CONTROL JOINT ("SJ" ON FUEL PROTOTYPES) 1. SAWN 2. PREMOLD STRIP 3. HAND FORMED AND SAWN AT CRITICAL JOINTS	USE SPECIFICATION ACI 360R-06 TO PLACE CONTROL JOINTS SO AS TO UNIFORMLY DIVIDE SLABS INTO NOMINAL 12' x 12' (STANDARD-DUTY) OR 16' x 16' (HEAVY-DUTY) SECTIONS. (SEAL CONTROL JOINTS ONLY IF SPECIFIED ON DRAWINGS OR BY OWNER'S REPRESENTATIVE.	
B. EXPANSION JOINT (ISOLATION JOINT)	PLACE AGAINST CONCRETE TANK SLAB, ABUTTING ROADWAY PAVEMENTS AND STRUCTURES (BUILDINGS, CANOPY COLUMNS, CATCH BASINS, ETC.)	
C. CONSTRUCTION JOINT ("CJ" ON FUEL PROTOTYPES)	CONSTRUCTION JOINTS MUST BE APPROVED BY OWNER'S REPRESENTATIVE. PLACE WHEN CONTINUOUS POUR OPERATIONS ARE SUSPENDED FOR MORE THAN 30 MINUTES.	

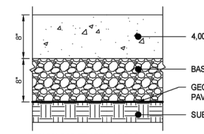
9 CONCRETE PAVEMENT JOINTING SECTIONS
NO SCALE

LAYERED SECTION DEPTHS REVISED PER CR2025-3002



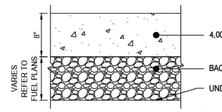
AUTO PARKING AREAS, AUTO CANOPY SLAB, AND OTHER LIMITED SERVICE TRAFFIC AREAS

1 STANDARD-DUTY CONCRETE PAVEMENT SECTION
1 1/2" = 1'-0"



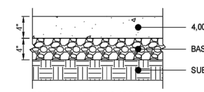
HEAVY LOAD TRAFFIC AREAS

2 HEAVY-DUTY CONCRETE PAVEMENT SECTION
1 1/2" = 1'-0"



AUTO TANKS, CFL TANKS, AND COMBINED TANK PITS

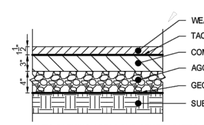
3 TANK SLAB CONCRETE PAVEMENT SECTION
1 1/2" = 1'-0"



PEDESTRIAN TRAFFIC AREAS

4 CONCRETE WALK PAVEMENT SECTION
1 1/2" = 1'-0"

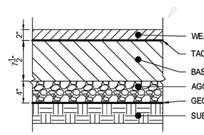
ADDED WEARING COURSE & TACK COAT PER CR2025-3002



AUTO PARKING AREAS AND OTHER LIMITED SERVICE TRAFFIC AREAS

5 STANDARD-DUTY ASPHALT PAVEMENT SECTION
1 1/2" = 1'-0"

LAYERED SECTION DEPTHS REVISED PER CR2025-3002



HEAVY LOAD TRAFFIC AREAS

6 HEAVY-DUTY ASPHALT PAVEMENT SECTION
1 1/2" = 1'-0"

PAVING EXECUTION NOTES:

1. LOCATE AND INSTALL CONSTRUCTION, ISOLATION, AND EXPANSION JOINTS AS INDICATED OR REQUIRED.
2. PLACE CONCRETE IN A CONTINUOUS OPERATION WITHIN PLANNED JOINTS OR SECTIONS. DO NOT ADD WATER TO ADJUST SUMP.
3. FLOAT SURFACES TO TRUE PLANES WITHIN A TOLERANCE OF ¼ INCH IN 10 FEET.
4. TOOL EDGES AND JOINTS TO A RADIUS OF ½ INCH FOR SIDEWALKS.
5. ALLOW CONCRETE PAVING TO CURE FOR A MINIMUM OF 28 DAYS AND DRY BEFORE STARTING PAVEMENT MARKING.
6. APPLY TRAFFIC PAINT WITH MECHANICAL EQUIPMENT TO A MINIMUM WET FILM THICKNESS OF 15 MILS.
7. PROTECT CONCRETE PAVING FROM DAMAGE. EXCLUDE TRAFFIC FROM PAVING FOR AT LEAST 14 DAYS.

CONCRETE PAVEMENT GENERAL NOTES:

1. SEE FUEL PROTOTYPE FOR ADDITIONAL REQUIREMENTS FOR TANK SLABS.
2. SEE FUEL PROTOTYPE FOR ADDITIONAL REQUIREMENTS FOR DISPENSER ISLAND SLABS.
3. A GEOTEXTILE OR GEOGRID IS ONLY NEEDED WHEN THE GEOTECHNICAL REPORT AND/OR A GEOTECH EXPERT REQUIRES IT FOR THE SPECIFIC SITE'S SOIL CONDITIONS.
4. UNDISTURBED SOIL OR COMPACTED BACK FILL NOT LESS THAN 95% OF MODIFIED PROCTOR DENSITY (AASHTO-T-180).
5. REFER TO CIVIL DESIGN GUIDELINES (CDG) FOR PAVEMENT LOCATION GUIDANCE.
6. CONTRACTOR REFER TO THE GEOTECH REPORT FOR PAVEMENT AND FOUNDATION DESIGN AND CONSTRUCTION RECOMMENDATIONS IF MORE STRINGENT THAN PROTOTYPE DETAILS.
7. COMPACTION IS NOT REQUIRED OVER THE TANK PIT(S).

ASPHALT PAVEMENT GENERAL NOTES:

1. ALL WORK SHALL BE IN CONFORMANCE WITH OWNER'S SPECIFICATIONS FOR ASPHALTIC CONCRETE PAVING.
2. GEOGRID IS ONLY NEEDED WHEN THE GEOTECHNICAL REPORT AND/OR A GEOTECH EXPERT REQUIRES IT FOR THE SPECIFIC SITE'S SOIL CONDITION.
3. FOR SUBSURFACE DRAINAGE OR STABILITY ISSUES DURING CONSTRUCTION (UNDER DIRECTION BY GEOTECH EXPERT):
   A. SUBSURFACE DRAINAGE ISSUE - REFER TO GUIDELINES FOR DEWATERING ISSUES TO DERIVE ACCEPTABLE OPTIONS.
   B. SUBSURFACE STABILITY ISSUE - INSTALL GEOGRID PER GEOTECH EXPERT RECOMMENDATION.
4. THE PAVEMENT SHALL BE THOROUGHLY CLEANED AND A TACK COAT OF ASPHALT SHALL BE APPLIED BEFORE THE OVERLAY IS PLACED.
5. REFER TO CIVIL DESIGN GUIDELINES (CDG) FOR PAVEMENT LOCATION GUIDANCE.

CONTRACTOR MUST REFER TO THE GEOTECH REPORT FOR PAVEMENT AND FOUNDATION DESIGN AND CONSTRUCTION RECOMMENDATIONS

Rev. #	Date	Description
1		

CIVIL STANDARD PROTO

7-ELEVEN, INC.
3200 HACKBERRY ROAD, IRVING, TEXAS 75063

7-ELEVEN #XXXXX
STREET ADDRESS
ANYTOWN, USA 00000

PAVEMENT AND JOINTING DETAILS

Job#: SEI-XXXXX
Scale: AS NOTED
Date: XX/XX/XXXX
Drawn By: x.x.x.
Checked By: x.x.x.

SHEET:
CPC-1

No.	REVISIONS	DATE	BY
1			

Kimley»Horn
200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL 32801
PHONE: 407-898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL ENGINEER DEREK E. RAMSBURG 7101 STATE OF FLORIDA REGISTERED

DEREK E. RAMSBURG, P.E. LICENSE NUMBER 78962 STATE OF FLORIDA PROFESSIONAL ENGINEER

DATE: 5/08/2026

KHA PROJECT 249188018
DATE 5/08/2026
SCALE AS SHOWN
DESIGNED BY CRL
DRAWN BY TJE
CHECKED BY DER

7-11 STANDARD DETAILS

7-11 OCOEE APOPKA RD
CITY OF APOPKA FLORIDA

SHEET NUMBER
C7.2

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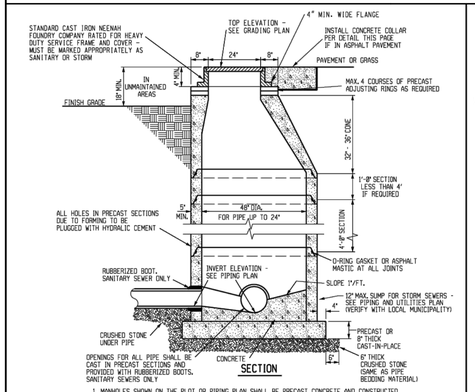
DRAINAGE & UTILITY DETAILS & SPECIFICATIONS



SECTION

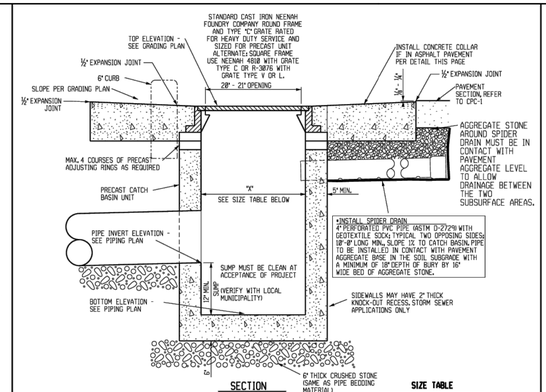
1. MANHOLES SHOWN ON THE PLOT OR PIPING PLAN SHALL BE PRECAST CONCRETE AND CONSTRUCTED OF MATERIALS AND IN A MANNER MEETING THE SPECIFICATIONS OF ASTM C-478 AND THE PUBLIC AUTHORITY HAVING JURISDICTION.
2. SEE GRADING AND/OR PIPING PLAN FOR TOP AND INVERT ELEVATIONS, SIZE AND ARRANGEMENT OF INLET/OUTLET PIPING.
3. ADDITIONAL MASONRY BRICK OR BLOCK WORK IS NOT PERMITTED TO MEET SURFACE ELEVATION.
4. OBTAIN APPROVAL OF MANUFACTURER'S STRUCTURAL ENGINEER FOR DEPTHS EXCEEDING 18'.

FOR SANITARY SEWERS ONLY

5. THE BOTTOM OF THE MANHOLE SHALL BE CONTOURED WITH CONCRETE TO CHANNEL THE FLOW THROUGH THE MANHOLE.
6. WHEN SPECIFIED ON THE PLANS, AN EXTERIOR "DROP" MANHOLE SHALL BE CONSTRUCTED PER LOCAL SPECIFICATIONS.

(A) STANDARD MANHOLE

SCALE: NOT TO SCALE



SECTION

SCALES NOT TO SCALE

SIZE TABLE

LARGEST PIPE DIA.	"X" SQUARE C.B.	LARGEST C.P.P. DIA.	"X" ROUND C.B.
21"	24"	15"	30"
33"	30"	24"	42"
42"	48"	30"	48"
54"	68"	36"	68"
68"	72"	48"	72"

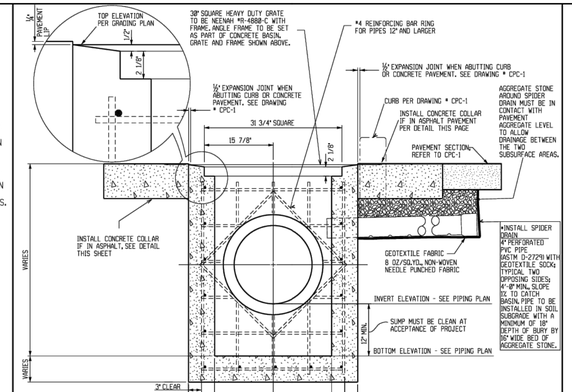
- THE PRECAST CATCH BASIN UNIT SHALL CONFORM TO THE APPLICABLE STANDARD STATE D.O.T. SPECIFICATIONS AND ASTM C913. THE UNIT SHALL BE PROPERLY REINFORCED TO PREVENT DAMAGE DURING TRANSPORT AND INSTALLATION.
- SEE GRADING AND/OR PIPING PLAN FOR TOP, INVERT, AND BOTTOM ELEVATIONS, SIZE, AND ARRANGEMENT OF INLET/OUTLET PIPING.
- MORTAR ALL INLET, OUTLET PIPE OPENINGS WITH HYDRAULIC CEMENT GROUT.
- ADDITIONAL MASONRY BRICK OR BLOCK WORK IS NOT PERMITTED TO MEET SURFACE ELEVATION.

NOTE: TRAFFIC RATED REINFORCED PRE-CAST CONCRETE TOP TO BE USED WITH LARGER CATCH BASINS.

VERIFY STRUCTURE SIZE IS ADEQUATE FOR MULTIPLE PIPES AND PIPE ANGLES.

(B) STANDARD DUTY CATCH BASIN

TO BE USED IN NORMAL STRENGTH PAVEMENT AREAS ONLY



1. SEE GRADING AND/OR PIPING PLAN FOR TOP, INVERT, AND BOTTOM ELEVATIONS, SIZE, AND ARRANGEMENT OF INLET/OUTLET PIPING.
2. MORTAR ALL INLET, OUTLET PIPE OPENINGS WITH HYDRAULIC CEMENT GROUT.
3. REINFORCEMENT: PLACE •4 REBARS AT 8"± CENTER TO CENTER BOTH WAYS IN WALLS AND FLOOR. INCLUDE •4 REBAR RING AROUND ALL OPENINGS 12" AND LARGER.
4. ADDITIONAL MASONRY BRICK OR BLOCK WORK IS NOT PERMITTED TO MEET SURFACE ELEVATION.

NOTE: PREFAB UNIT, MEETING STRENGTH EQUIVALENCE, MAY BE SUBSTITUTED IF APPROVED BY OWNER'S REP.

SECTION

SCALES: NOT TO SCALE

(C) HEAVY DUTY CATCH BASIN

FOR OUTLETS UP TO 18" R.C.P. TO BE USED IN HIGH STRENGTH PAVEMENT AREAS

(D) GEOTEXTILE FABRIC SPECIFICATIONS

8 OZ. NONWOVEN NEEDLE PUNCHED FABRIC; AMOCO 4953, PHILLIPS SUPAC 8NP, OR EQUAL

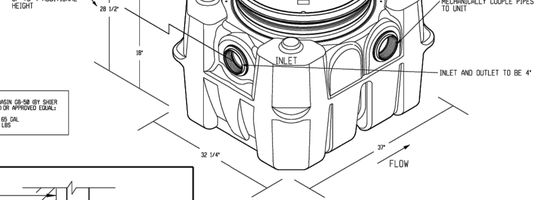
GENERAL NOTES:

1. ALL STORM AND SANITARY PIPING SHALL BE THE SIZE AND TYPE SHOWN ON THE GRADING OR PIPING PLAN, AND SHALL CONFORM TO THE ASTM AND AASHTO STANDARD SPECIFICATIONS LISTED HERE, UNLESS OTHERWISE REQUIRED BY GOVERNING AUTHORITIES.
2. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF DIVISION 15 OF SPEEDWAY'S STANDARD SPECIFICATIONS.
3. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES PRIOR TO STARTING ANY BELOW GRADE WORK TO LOCATE UNDERGROUND FACILITIES.
4. ALL SANITARY SEWERS SHALL HAVE "PREMIUM" SEALED JOINTS. STORM SEWERS WITHIN 20' OF HYDROCARBON PRODUCT PIPING OR UNDERGROUND TANKS SHALL HAVE "PREMIUM SEALED JOINTS.
5. THE PIPE INVERT SHALL BE STRAIGHT LINE GRADED BETWEEN ELEVATIONS SHOWN ON THE PLAN.
6. PIPE SHALL BE LAID FROM THE LOWER ELEVATION TO THE HIGHER ELEVATION.
7. CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS PRIOR TO BEGINNING WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
8. PIPING TO BE MIN. 12" BELOW TOP OF RIGID PAVEMENT, BOTTOM OF FLEXIBLE PAVEMENT, OR FINISHED GRADE IN NON-TRAFFIC AREAS, APPLICABLE AASHTO OR ASSI GUIDELINES SHALL OVERRIDE AND COVER MINIMUM COVER HEIGHTS WHEN GREATER THAN STATED ABOVE.
9. SEE DRAWING * SCB-1 FOR CANOPY DOWNSPOUT DRAIN DETAILS.

MINIMUM DEPTH OF BURY:

(SEE NOTE •8)

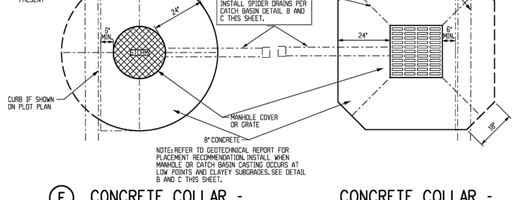
PVC	18"
RCP	12"
HDPE	18"



NOTE:
1. PROVIDE GREAT BASIN GB-5B BY SHER PRODUCTS COMPANY OR APPROVED EQUAL.
FLOW = 5.0 GPM
WATER CAPACITY = 65 GAL
CAPACITY = 47#/5 LBS

(E) EXTERIOR GREASE INTERCEPTOR

SCALE: NOT TO SCALE



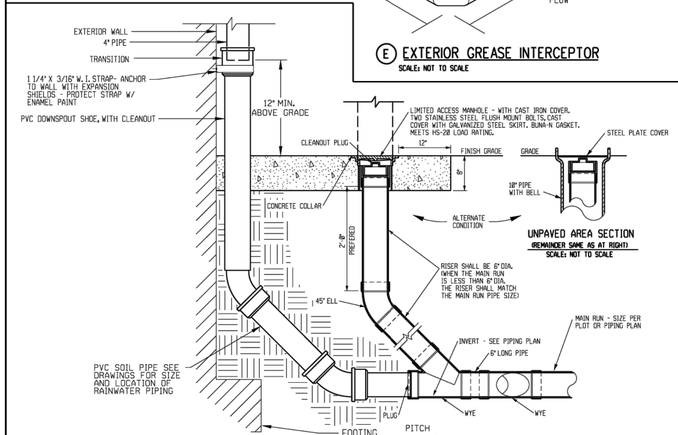
NOTE: REFER TO GEOTECHNICAL REPORT FOR PLACEMENT RECOMMENDATION. INSTALL WHEN MANHOLE OR CATCH BASIN CASTING OCCURS AT LOW POINTS AND CLAYEY SUBGRADES. SEE DETAIL B AND C THIS SHEET.

(F) CONCRETE COLLAR - ROUND GRATE & FRAME

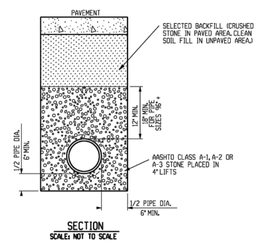
SCALE: NOT TO SCALE

CONCRETE COLLAR - SQUARE GRATE & FRAME

SCALE: NOT TO SCALE



(G) DOWNSPOUT BOOT AND UTILITIES PIPE CLEAN-OUT



SECTION

SCALE: NOT TO SCALE

(H) PIPE BEDDING

PIPE SPECIFICATIONS

TYPE OF PIPE	"n" VALUES	SIZES PERMITTED	SEVICE AND USE	PIPE SPECIFICATION	INSTALLATION SPECIFICATION	JOINT SPECIFICATION	PREMIUM JOINTS
POLY-VINYL CHLORIDE (PVC)	0.01	6"	SANITARY SEWER	ASTM D-3034 SDR 35	ASTM D-2321	ASTM D-3212	ASTM F-477
		8" - 12"	STORM DRAINAGE	STANDARD SPECIFICATION FOR TYPE PSM PVC SEWER PIPE AND FITTINGS	STANDARD PRACTICE FOR INSTALLATION OF FLEXIBLE THERMOPLASTIC SEWER PIPE PIPE BEDDING PER DETAIL	STANDARD SPECIFICATION FOR JOINTS FOR DRAIN AND SEWER PLASTIC PIPES USING FLEXIBLE ELASTOMERIC SEALS	ELASTOMERIC SEALS FOR JOINING PLASTIC PIPE (ODL RESISTANT) HIGH NITRILE (NBR), EPICHLOROHYDRIN (ECO), NEOPRENE (CR), POLYSULFIDE (T), OR FLUORO ELASTOMER (FPM)
REINFORCED CONCRETE (RCP)	0.013	12" DIA. AND LARGER	STORM DRAINAGE	ASTM C-76, ASTM C1479 CLASS 3, WALL B TONGUE AND GROOVE STANDARD SPECIFICATION FOR REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE	PIPE BEDDING PER DETAIL WHEN OUTLETTING TO SURFACE GRADE FLARED END SECTION MUST BE USED	BITUMINOUS MASTIC	ASTM C-443 STANDARD SPECIFICATION FOR JOINTS FOR CIRCULAR CONCRETE SEWER AND CULVERT PIPE, USING RUBBER GASKETS (ODL RESISTANT)
SMOOTH LINED CORRUGATED HDPE N-12 BY ADVANCED DRAINAGE SYSTEMS (800) 733-9554 SURE-LOK BY HANCOR (800) 537-9528	0.012 0.012	8" AND LARGER 12" AND LARGER	STORM DRAINAGE STORM DRAINAGE	AASHTO M294-S AASHTO M294-S	ASTM D-2321 PIPE BEDDING PER DETAIL ASTM D-2321 PIPE BEDDING PER DETAIL	STANDARD COUPLERS (PRO LINK) USE GASKET IN FINE SOILS BELL & SPIGOT WITH GASKET ISURE-LOK®	PVC DOUBLE BELL COUPLER WITH GASKET (PRO LINK 18Ø) AVAILABLE THROUGH 24" BELL & SPIGOT WITH POLYISOPRENE GASKET ISURE-LOK 18Ø) AVAILABLE THROUGH 36"
DUCTILE IRON (DI)	0.012	4" - 12"	SPECIAL	ASTM A-746 CLASS 50 STANDARD SPECIFICATION FOR DUCTILE IRON GRAVITY SEWER PIPE	PIPE BEDDING PER DETAIL	RUBBER GASKET COMPRESSION TYPE JOINT	GASKET TO BE OIL RESISTANT NITRILE-BUTADIENE (NBR)
POLYETHYLENE (PE)	0.010	4" - 6"	UNDERDRAINS AND SEPTIC DISPOSAL FIELDS ONLY	ASTM F-405 STANDARD SPECIFICATION FOR CORRUGATED POLYETHYLENE TUBING AND FITTINGS	SEE UNDERDRAIN DETAIL	STANDARD COUPLINGS	N/A
CORRUGATED METAL PIPE (CMP)	0.022	12" DIA. AND LARGER	STORM DRAINAGE	ASTM A-760 STANDARD SPECIFICATION FOR CORRUGATED METAL PIPE, METALLIC-COATED FOR SEWERS AND DRAINS	ASTM A-807 STANDARD SPECIFICATION FOR INSTALLING CORRUGATED METAL STRUCTURAL PLATE PIPE FOR SEWERS	STANDARD COUPLINGS	N/A
HIGH PERFORMANCE (HP) PIPING	0.012	12" - 60"	STORM DRAINAGE	AASHTO M330 ASTM F2881	ASTM D2321	WATER TIGHT ASTM D-3212	EXTENDED REINFORCED INTEGRAL BELL AND GASKETED SPIGOT

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CUD-1.DGN 5/8/2022 2:19:01 PM jw.haywardway-pw.bentley.com:speedway-pw-01\Documents\Retail Engineering\Retail Standards\61 - White Box\1 Retail Construction Standards\1 - CIVIL\TYPICAL SERVICE STATION DRAINAGE & UTILITY DETAIL & SPECIFICATIONS

No.	REVISIONS	DATE	BY
1			

Kimley»Horn

200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL 32801
PHONE: 407-898-1511
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

7-ELEVEN, INC.
3200 HACKBERRY ROAD, IRVING, TX 75063

LICENSED PROFESSIONAL ENGINEER
DEREK E. RAMSBURG
FLORIDA
No. 88603
STATE OF FLORIDA
DEREK E. RAMSBURG
PROFESSIONAL ENGINEER
DATE: 5/08/2026

KHA PROJECT	249188018
DATE	5/08/2026
SCALE	AS SHOWN
DESIGNED BY	CBL
DRAWN BY	TJE
CHECKED BY	DER

MARK	REVISIONS DESCRIPTION	DATE

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STORE OR BLDG NO.:
N/A

VERSION OR PROJECT ID:
N/A

DESIGN TEAM
DGNR. J. EMRICK
PM/DP. M. MIHALIK
RVWR. M.E. SMITH

ISSUE DATE: 02/11/2022

ADDRESS
N/A

SCALE 0 N/A
AS SHOWN

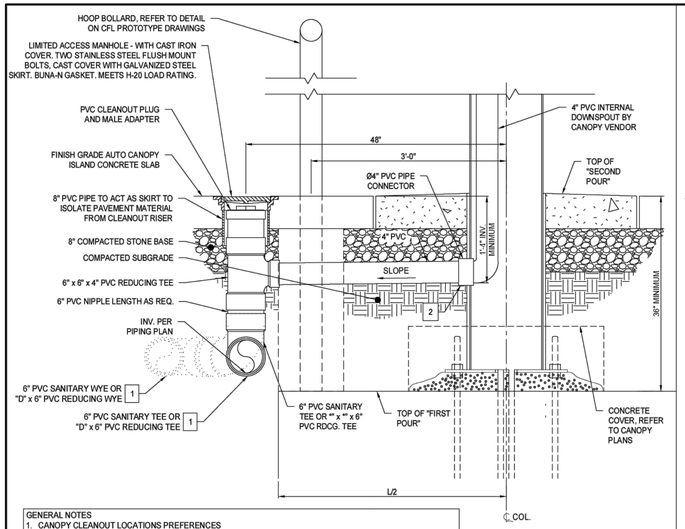
SHEET TITLE
DRAINAGE AND UTILITY DETAILS

DRWG. NO.
CUD-1

7-11 STANDARD DETAILS

7-11 OCOEE APOPKA RD
FLORIDA
CITY OF APOPKA

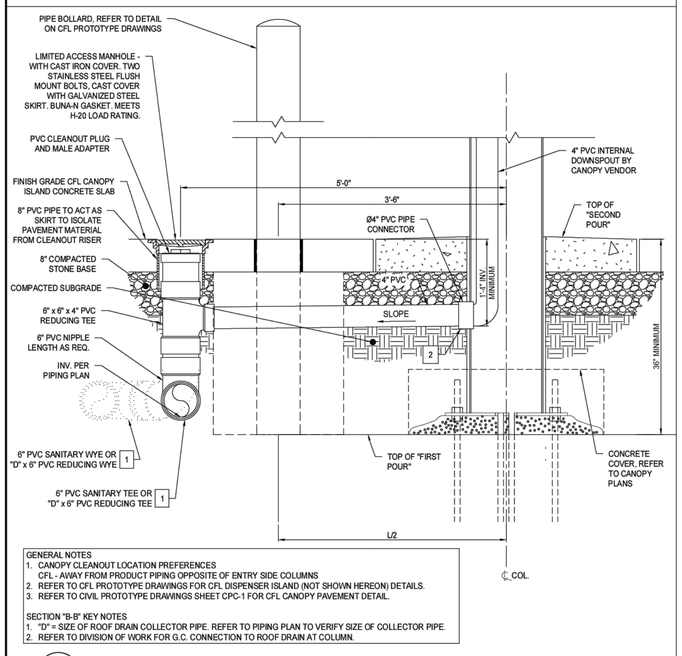
SHEET NUMBER
C7.3



GENERAL NOTES
1. CANOPY CLEANOUT LOCATIONS PREFERENCES
   AUTO STARTING GATE - STORE SIDE ROW OF COLUMNS HAVE DRAINS
   AUTO STACKED - BOTH ROWS OF COLUMNS HAVE DRAINS
2. REFER TO FUEL PROTOTYPE DRAWINGS FOR AUTO DISPENSER ISLAND (NOT SHOWN HEREON) DETAILS.
3. REFER TO CIVIL PROTOTYPE DRAWINGS SHEET CPC-1 FOR AUTO CANOPY PAVEMENT DETAIL.

SECTION "A-A" KEY NOTES
1. "D" = SIZE OF ROOF DRAIN COLLECTOR PIPE. REFER TO PIPING PLAN TO VERIFY SIZE OF COLLECTOR PIPE.
2. REFER TO DIVISION OF WORK FOR G.C. CONNECTION TO ROOF DRAIN AT COLUMN.

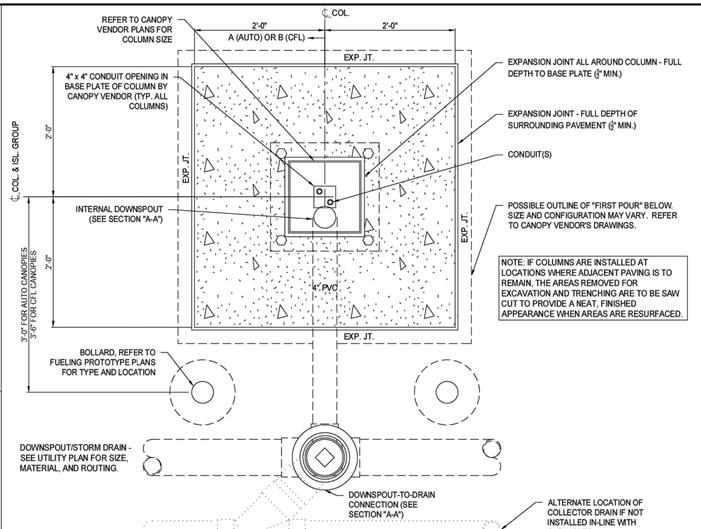
3 SECTION "A-A" - INTERNAL DOWNSPOUT (AUTO CANOPY COLUMNS)
1"=1'-0"



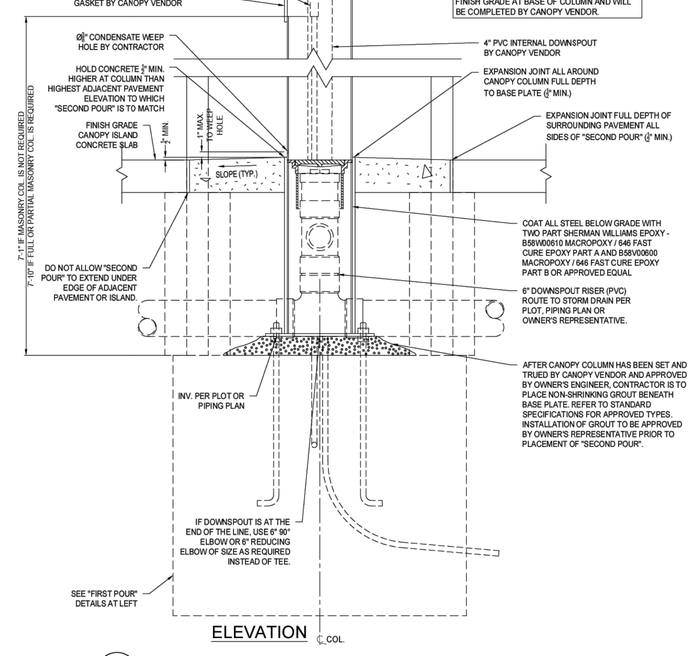
GENERAL NOTES
1. CANOPY CLEANOUT LOCATION PREFERENCES
   CFL - AWAY FROM PRODUCT PIPING OPPOSITE OF ENTRY SIDE COLUMNS
2. REFER TO CFL PROTOTYPE DRAWINGS FOR CFL DISPENSER ISLAND (NOT SHOWN HEREON) DETAILS.
3. REFER TO CIVIL PROTOTYPE DRAWINGS SHEET CPC-1 FOR CFL CANOPY PAVEMENT DETAIL.

SECTION "B-B" KEY NOTES
1. "D" = SIZE OF ROOF DRAIN COLLECTOR PIPE. REFER TO PIPING PLAN TO VERIFY SIZE OF COLLECTOR PIPE.
2. REFER TO DIVISION OF WORK FOR G.C. CONNECTION TO ROOF DRAIN AT COLUMN.

4 SECTION "B-B" - INTERNAL DOWNSPOUT (CFL CANOPY COLUMNS)
1"=1'-0"

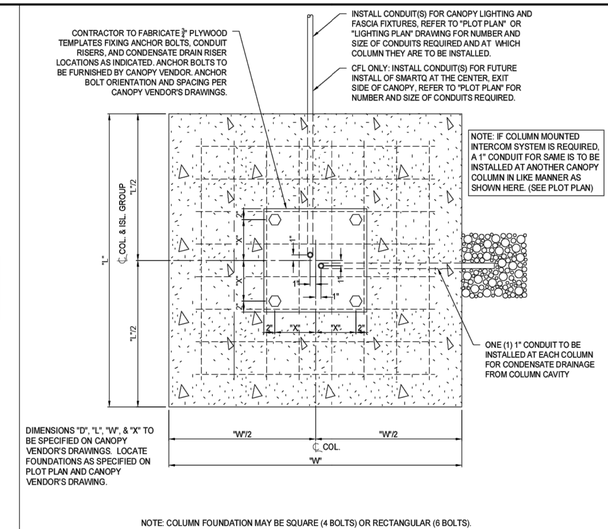


PLAN VIEW



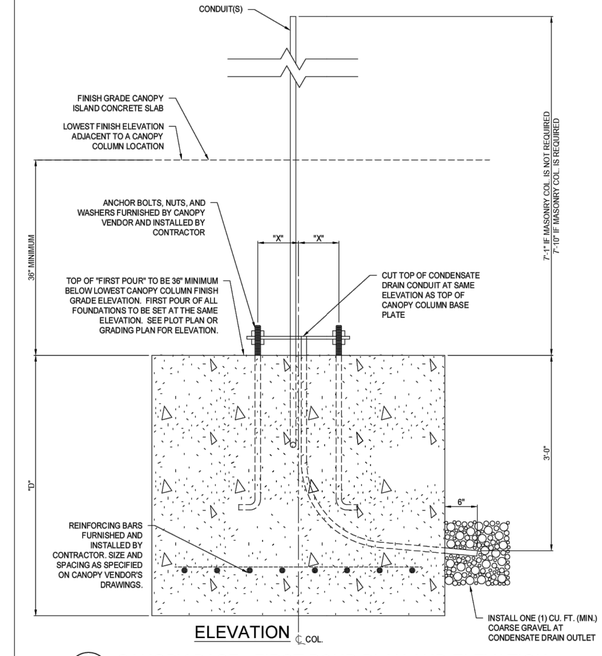
ELEVATION

2 CANOPY BASE - SECOND POUR PLAN AND ELEVATION
1"=1'-0"



NOTE: COLUMN FOUNDATION MAY BE SQUARE (4 BOLTS) OR RECTANGULAR (6 BOLTS). REFER TO VENDOR'S DRAWINGS TO VERIFY ORIENTATION OF RECTANGULAR BASES RELATIVE TO ISLAND GROUP CENTERLINE.

PLAN VIEW



ELEVATION

1 CANOPY BASE - FIRST POUR PLAN AND ELEVATION
1"=1'-0"

No.	REVISIONS	DATE	BY

Rev. #	Date	Description

CIVIL STANDARD PROTO

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200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL 32801
PHONE: 407-898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL ENGINEER R. RAMSBURG FLORIDA LICENSE No. 78960 STATE OF FLORIDA PROFESSIONAL ENGINEER
DATE: 5/08/2026

7-ELEVEN, INC.
3200 HACKBERRY ROAD, IRVING, TEXAS 75063

7-ELEVEN #XXXXX
STREET ADDRESS
ANYTOWN, USA 00000

STANDARD CANOPY BASE DETAILS

KHA PROJECT	249188018
DATE	5/08/2026
SCALE	AS SHOWN
DESIGNED BY	BMG
DRAWN BY	TJE
CHECKED BY	DER

Job#:	SEI-XXXXX
Scale:	AS NOTED
Date:	XX/XX/XXXX
Drawn By:	x.x.x.
Checked By:	x.x.x.

7-11 STANDARD DETAILS

7-11 OCOEE APOPKA RD
FLORIDA
CITY OF APOPKA

SHEET:
SCB-1

SHEET NUMBER
C7.4

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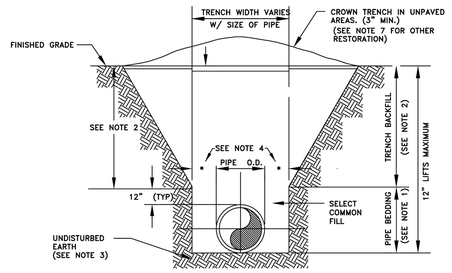
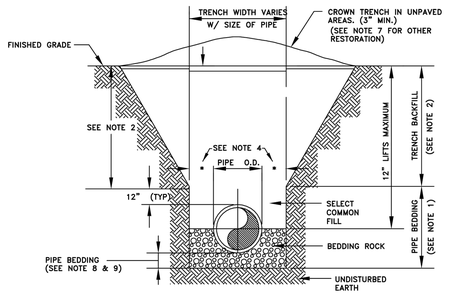


NOTES:

1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS TO AASHTO T-180.
3. PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK IN ACCORDANCE WITH TYPE A BEDDING AND TRENCHING DETAIL MAY BE REQUIRED AS DIRECTED BY THE CITY.
4. (*): 15" MAX. FOR PIPE DIAMETERS LESS THAN 24", AND 24" MAX FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES.
8. SURFACE RESTORATION WITHIN CITY RIGHT-OF-WAY, SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS.
9. ALL UNPAVED DISTURBED AREAS SHALL BE SODDED TO MATCH ADJACENT DOMINATE GRASS SPECIES.

TYPE "B" BEDDING AND OPEN-CUT DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 100



NOTES:

1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. USE OF TYPE A BEDDING TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CITY.
4. (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. GRAVITY SEWERS SHALL UTILIZE TYPE A BEDDING IF REQUIRED BY THE CITY. BEDDING DEPTH SHALL BE 4" MINIMUM FOR PIPE DIAMETER LESS THAN 15" AND 6" MINIMUM FOR PIPE DIAMETER 16" AND LARGER.
8. DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW THE PIPE. THE CITY SHALL DETERMINE IN THE FIELD IF REMOVAL OF UNSUITABLE MATERIAL IS REQUIRED TO REACH A SUITABLE FOUNDATION.
9. ALL UNPAVED DISTURBED AREAS SHALL BE SODDED TO MATCH ADJACENT DOMINATE GRASS SPECIES.
10. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF THE GOVERNING AGENCIES. SURFACE RESTORATION WITHIN CITY RIGHT-OF-WAY, SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS.

TYPE "A" BEDDING AND OPEN-CUT DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 101

PROPOSED UTILITY	HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS									
	POTABLE WATER		RECLAIMED WATER*		SANITARY SEWER FORCE MAIN		SANITARY SEWER GRAVITY MAIN		STORM SEWER	
	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.
POTABLE WATER	–	–	3'	12"	6'	12"	6'	6"ABOVE, 12"BELOW	3'	6"
RECLAIMED* WATER	3'	12"	–	–	3'	12"	3'	12"	–	–
SANITARY SEWER FORCE MAIN	6'	12"	3'	12"	–	–	–	–	–	–
SANITARY SEWER GRAVITY MAIN	6'	6"ABOVE 12"BELOW	3'	12"	–	–	–	–	–	–

GENERAL NOTES:

1. THE TABLE REPRESENTS THE MINIMUM SEPARATION REQUIREMENTS AS DESCRIBED IN F.D.E.P. RULES OF THE FLORIDA ADMINISTRATION CODE (F.A.C.). THESE SEPARATION REQIREMENTS SHALL APPLY BETWEEN NEWLY PROPOSED UTILITY LINES AND EXISTING OR PROPOSED UTILITY LINES.
2. * FOR THE PURPOSE OF THIS TABLE, RECLAIMED WATER SHALL MEAN UNRESTRICTED PUBLIC ACCESS REUSE WATER AS DEFINED BY F.A.C. 17-610. OTHER TYPES OF RECLAIMED WATER ARE CONSIDERED RAW SEWAGE AND SEPARATIONS LISTED FOR SANITARY SEWER SHALL APPLY.
3. ALL SEPARATION DISTANCES ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE UNLESS OTHERWISE SPECIFIED. CRITERION PRODUCING GREATER CLEARANCE SHALL BE USED.

   C/C – DENOTES CENTER OF PIPE TO CENTER OF PIPE.

   O/O – DENOTES OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
4. ACCEPTABLE VARIANCES:
   A. WHERE HORIZONTAL SEPARATION IS NOT ATTAINABLE, PVC-C-900 SDR-14 OR CONCRETE ENCASEMENT MUST BE USED FOR THE SANITARY SEWER LINE FOR AT LEAST ONE OF THE PIPES. PVC-C-900 SDR 14 OR CONCRETE ENCASEMENT MUST BE USED UNTIL MINIMUM CLEARANCE IS REGAINED.
   B. WHERE 18 INCH VERTICAL SEPARATION IS NOT ATTAINABLE AT CROSSINGS, USE ONE FULL LENGTH OF PVC-C-900 SDR-14 FOR SANITARY SEWERS OR ENCASED PIPE CENTERED AT THE POINT OF CROSSING SPECIAL SUPPORT MAY BE REQUIRED.
5. NO WATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF A SANITARY OR STORM WATER MANHOLE OR STRUCTURE.
6. CONCRETE ENCASEMENT SHALL NOT BE USED UNLESS APPROVED BY PUBLIC SERVICES DIRECTOR OR HIS DESIGNEE.

HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 104

MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S). *										
	PIPE SIZE									
	6"	8"	10"	12"	16"	18"	20"	24"	30"	36"	48"
90° BEND	33	43	51	60						
45° BEND	14	18	22	25						
22-1/2° BEND	7	9	11	12						
11-1/4° BEND	4	5	6	6						
TEE**	1	7	24	44						
REDUCER (ONE SIZE SMALLER)		41	39	40						
DEAD END	74	96	115	136						

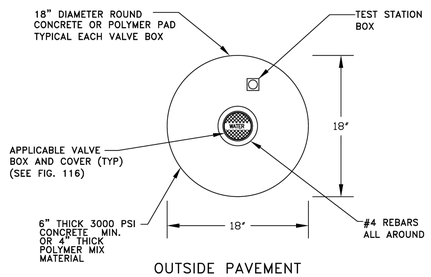
* ONLY RESTRAIN BRANCH PIPE FOR TEES. ONLY RESTRAIN LARGER PIPE FOR REDUCERS
** LENGTH ALONG RUN ASSUMED TO BE 18'

NOTES:

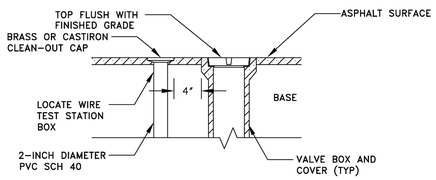
1. FITTINGS SHALL BE DUCTILE IRON RESTRAINED JOINT TYPE. FM FITTINGS TO BE LINED WITH PROTECTO 401.
2. INSTALL FULL LENGTHS OF PIPE WITH TOTAL LENGTH CONTAINING ONLY RESTRAINED JOINTS EQUAL TO OR GREATER THAN LENGTH SHOWN IN TABLE.
3. WHERE TWO OR MORE FITTINGS ARE TOGETHER, USE FITTING WHICH YIELDS GREATEST LENGTH OF RESTRAINED PIPE.
4. IN LINE VALVES AND THROUGH RUN OF TEES OUTSIDE LIMITS OF RESTRAINED JOINTS FROM OTHER FITTINGS NEED NOT BE RESTRAINED UNLESS OTHERWISE INDICATED.
5. LENGTHS SHOWN IN THE TABLE HAVE BEEN CALCULATED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AS PUBLISHED BY DIPRA, FOR PVC WITH THE FOLLOWING ASSUMPTIONS:
   TYPE OF PIPE: PVC
   WORKING PRESSURE: 150 P.S.I.** ** FM = 100 P.S.I. / WM OR RWM = 150 P.S.I.
   SOIL DESIGNATION: SM(SAND SILT)
   LAYING CONDITIONS: 3
6. FOR PIPE ENCASED IN POLYETHYLENE INCREASE THE GIVEN VALUE BY A FACTOR OF 1.5.
7. VALUES NOT LISTED IN THE TABLE TO BE COMPLETED BY THE ENGINEER.

RESTRAINED PIPE TABLE (PVC)

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 105



OUTSIDE PAVEMENT

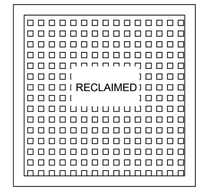


INSIDE PAVEMENT

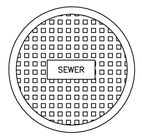
VALVE IDENTIFICATION TAG TO BE INSTALLED BY CITY & PAID FOR BY DEVELOPER

VALVE BOX

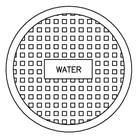
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 109



RECLAIMED WATER



SEWER



POTABLE WATER

TYPICAL VALVE BOX COVER DETAILS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 116

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200 S. ORANGE AVENUE SUITE 600, ORLANDO, FL
PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL ENGINEER DEREK R. RAMSBURG STATE OF FLORIDA PROFESSIONAL ENGINEER 70240 DATE: 1/30/2026

KHA PROJECT 249188018	
DATE	1/30/2026
SCALE	AS SHOWN
DESIGNED BY	CBL
DRAWN BY	TJE
CHECKED BY	DER

CITY OF APOPKA DETAILS

7-11 OCOEE APOPKA RD

CITY OF APOPKA FLORIDA

SHEET NUMBER C8.0

Drawing name: K:\orl_civil\249188018-7-11 ocoee apopka rd\CADD\CONST\plansheets\C8.0 - CITY OF APOPKA DETAILS.dwg C8.0 - CITY OF APOPKA DETAILS May 08, 2026 11:45am by: TJEllsworth
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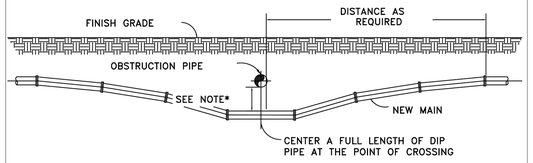


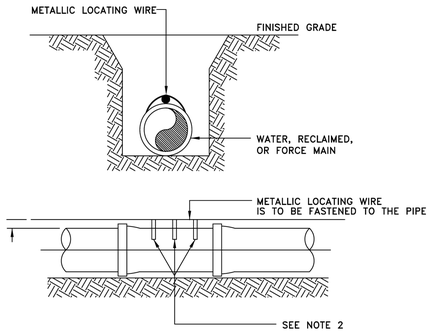
NOTES:

1. 18" MINIMUM CLEARANCE FOR WATER, SEWER AND RECLAIMED WATER MAIN CROSSINGS
2. 12" MINIMUM CLEARANCE REQUIRED FOR OTHER TYPE UTILITY CROSSINGS.
3. SEE ENCASEMENT DETAIL IF MINIMUM CLEARANCE CANNOT BE OBTAINED.

* CONSTRUCT UNIFORM PIPE DEFLECTION NOT TO EXCEED 75% OF MANUFACTURER RECOMMENDED MAXIMUM DEFLECTION PER PIPE JOINT

UTILITY CROSSING PIPE DEFLECTION DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 117

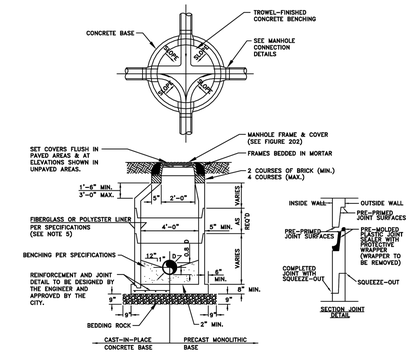


NOTES:

1. ALL PIPE SHALL REQUIRE INSULATED METALLIC LOCATING WIRE (10 AWG–SOLID CCS REINFORCED TRACER WIRE–INSULATED 30 MIL HDPE – 30 VOLT MFG. BY COPPERHEAD INDUSTRIES, LLC OR EQUAL) CAPABLE OF DETECTION BY A CABLE LOCATOR.
2. SHALL BE BURIED DIRECTLY ABOVE THE CENTERLINE OF THE PIPE AND ATTACHED WITH DUCT TAPE OR NYLON STRAPS AT 3 LOCATIONS PER JOINT. LOCATING WIRE SHALL TERMINATE AT THE TEST STATION BOX AS SHOWN IN FIG. 109.
3. BE CAPABLE OF EXTENDING 12" ABOVE TOP OF TEST STATION BOX IN SUCH A MANNER SO AS NOT TO INTERFERE WITH VALVE OPERATION.
4. SPLICES SHOULD BE MADE USING STANDARDS AND PRODUCTS DESIGNED FOR DIRECT BURIAL CONDUCTORS.
5. WIRE INSULATION SHALL BE COLOR CODED FOR THE TYPE OF PIPE BEING INSTALLED.

PIPE LOCATING WIRE DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 118



FORCE MAIN MANHOLE LINER

DIAMETER (INCHES)	THICKNESS (INCHES) HEIGHT (FEET) 3–6	7–12	13–17	MATERIAL	MANUFACTURER
48					
60					
72					

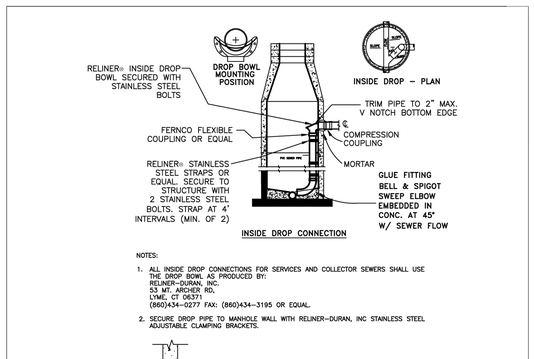
* TO BE COMPLETED BY THE ENGINEER

NOTES:

1. MANHOLE SHOWN IS FOR SEWER SIZE 8" THRU 24". SEE SECTION 20.4 OF THE MANUAL FOR MANHOLE DIAMETER FOR SEWERS LARGER THAN 24".
2. DROP CONNECTIONS ARE REQUIRED WHENEVER INVERT OF INFLUENT SEWER IS 24" OR MORE ABOVE THE INVERT OF THE MANHOLE. SEE MANHOLE CONNECTION DETAILS.
3. THE THICKNESS OF THE LINER SHALL BE 3/8" MINIMUM
4. EACH BENCH WALL SHALL BE A MINIMUM OF 18 INCHES LONG FROM THE WALL OF THE MANHOLE TOWARD THE CENTER.
5. SANITARY SEWER MANHOLES MAY BE REQUIRED TO BE LINED WITH HDPE OR FIBERGLASS AS DIRECTED BY THE CITY.

TYPICAL MANHOLE

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 200

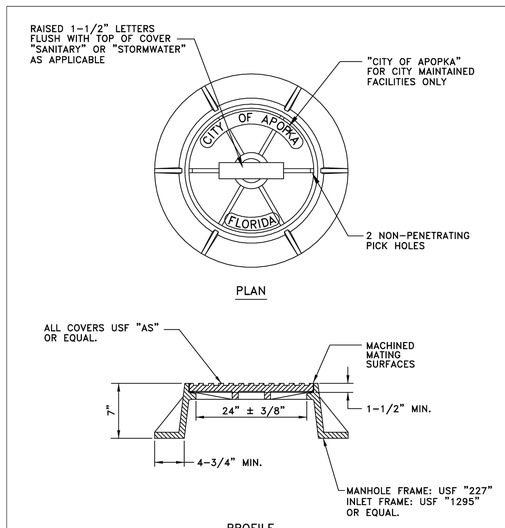


NOTES:

1. DROP PIPE AND FITTINGS SHALL BE OF EQUAL SIZE AND MATERIAL AS THE INFLUENT SEWER.
2. THE CITY MAY APPROVE ALTERNATE WATERTIGHT CONNECTION DETAILS FOR CONNECTION OF 24" DIAMETER PIPES AND LARGER.
3. AN INSIDE DROP CONNECTION SHALL BE REQUIRED FOR ALL INFLUENT WHICH HAVE AN INVERT 24" OR MORE ABOVE THE OUTFLOW PIPE INVERT.
4. CONCRETE TO BE MINIMUM OF 3000 PSI.

MANHOLE CONNECTION DETAILS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 201

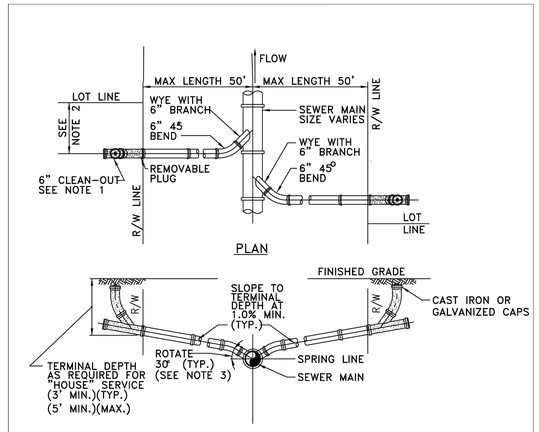


NOTES:

1. MANHOLE FRAME AND COVER ARE TO BE TRAFIC BEARING RATED H–20, CLASS 30 MEETING ASTM A 48.

STANDARD MANHOLE FRAME AND COVER

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 202



NOTES:

1. CLEAN–OUT (SHOWN SHADED) SHALL BE INSTALLED BY THE BUILDER IN ACCORDANCE WITH STANDARD PLUMBING CODE.
2. LOCATE SINGLE LATERAL AS CLOSE TO LOT LINE AS POSSIBLE.
3. INVERT OF SERVICE LATERAL SHALL NOT ENTER SEWER MAIN BELOW SPRING LINE.
4. RESIDENTIAL SERVICES SHALL BE 4 INCHES & NON–RESIDENTIAL SERVICES SHALL BE 6 INCHES IN DIAMETER AS A MINIMUM.
5. GALVANIZED, OR CAST IRON CLEAN–OUT CAP SHALL BE USED ON THE STUBOUT FOR EACH SERVICE.
6. LATERAL SHALL BE MARKED WITH AN "S" STAMPED OR CUT IN THE CURB.

SERVICE LATERAL DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	MAY 2022	FIG. 204

No.	REVISIONS	DATE	BY

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200 S. ORANGE AVENUE SUITE 600, ORLANDO, FL
PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL ENGINEER DEREK R. MAMBURG LICENSE NUMBER 93178 STATE OF FLORIDA

KHA PROJECT	249188018
DATE	1/30/2026
SCALE	AS SHOWN
DESIGNED BY	CBL
DRAWN BY	TJE
CHECKED BY	DER

7-11 OCOEE APOPKA RD

CITY OF APOPKA DETAILS

CITY OF APOPKA FLORIDA

SHEET NUMBER
C8.1

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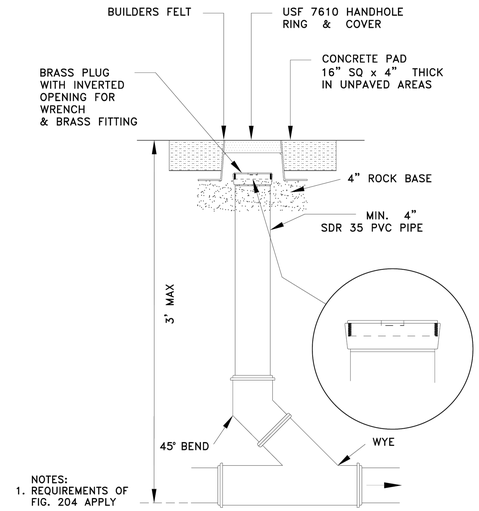
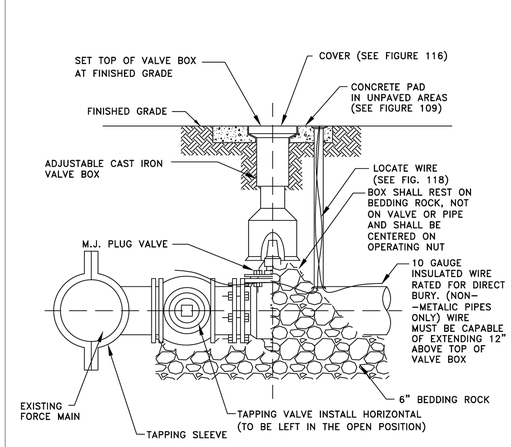


SANITARY SEWER SERVICE TRAFFIC RATED CLEAN-OUT DETAIL

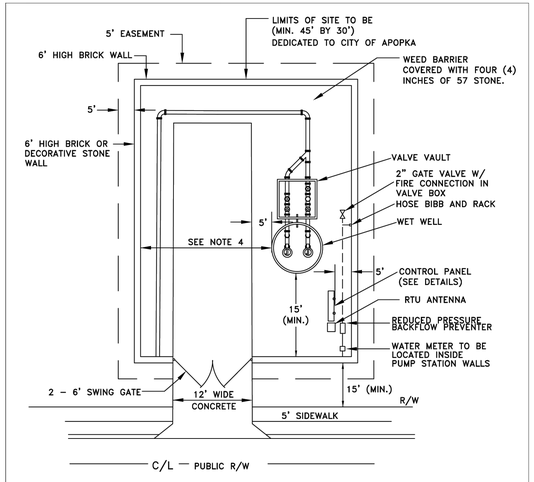
NTS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 205



FORCE MAIN WET TAP TIE-IN DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 206

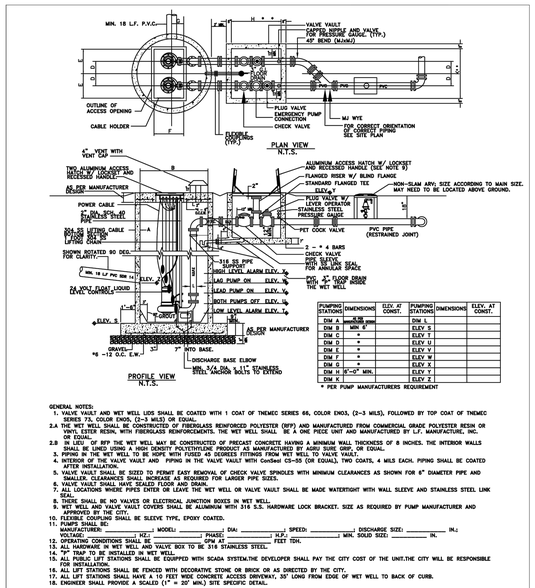


NOTES:

1. DRIVEWAY AND APRON SHALL BE SIX (6) INCH THICK, 3000 P.S.I. CONCRETE. WITH No.6X6 WIRE MESH OR FIBER MESH.
2. POWER TO THE PUMP STATION SHALL BE THROUGH UNDERGROUND CONDUIT FROM SUPPLY SOURCE IN RIGHT-OF-WAY.
3. GATE TO BE DECORATIVE BLACK POWDER COATED ALUMINUM W/PICKET SPACING = OR < 4"
4. MEASUREMENT SHALL BE EQUAL TO OR GREATER THAN THE DEPTH OF THE WET WELL.
5. WET WELL LID MUST OPEN TOWARD CONTROL PANEL (HINGE SIDE TOWARD PANEL).
6. LIFT STATION WALL TO BE PLACED AT LEAST 15FT. BEHIND THE R/W LINE.

PUMP STATION TYPICAL SITE PLAN

CITY OF APOPKA DESIGN ENGINEERING DIVISION	MAY 2022	FIG. 300



PUMPING STATIONS	DIMENSIONS	ELEV. AT CONST.	PUMPING STATIONS	DIMENSIONS	ELEV. AT CONST.
DIM A	MIN 18"		DIM L		
DIM B	MIN 8"		ELEV. S		
DIM C	*		ELEV. T		
DIM D	*		ELEV. U		
DIM E	*		ELEV. V		
DIM F	*		ELEV. W		
DIM G	*		ELEV. X		
DIM H 6'-0" MIN.			ELEV. Y		
DIM K			ELEV. Z		

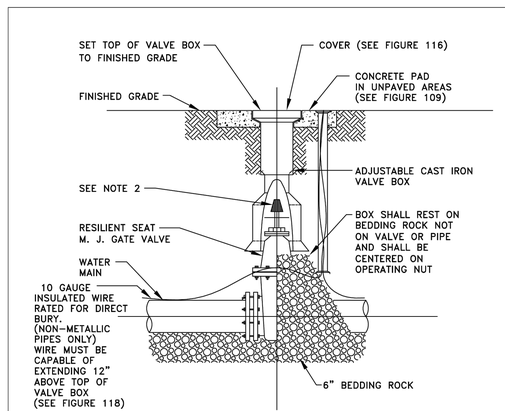
* PER PUMP MANUFACTURERS REQUIREMENT

GENERAL NOTES:

1. VALVE VAULT AND WET WELL LIDS SHALL BE COATED WITH 1 COAT OF TNEMEC SERIES 66, COLOR ENO3, (2-3 MILS), FOLLOWED BY TOP COAT OF TNEMEC SERIES 73, COLOR ENO3, (2-4 MILS) OR EQUAL.
2. A THE WET WELL SHALL BE CONSTRUCTED OF FIBERGLASS REINFORCED POLYESTER (RPP) AND MANUFACTURED FROM COMMERCIAL GRADE POLYESTER RESIN OR VINYL ESTER RESIN, WITH FIBERGLASS REINFORCEMENTS. THE WET WELL SHALL BE A ONE PIECE UNIT AND MANUFACTURED BY L.F. MANUFACTURE, INC. OR EQUAL.
   2.B IN LIEU OF RPP THE WET WELL MAY BE CONSTRUCTED OF PRECAST CONCRETE HAVING A MINIMUM WALL THICKNESS OF 8 INCHES. THE INTERIOR WALLS SHALL BE LINED USING A HIGH DENSITY POLYETHYLENE PRODUCT AS MANUFACTURED BY RLING SURE GRIP, OR EQUAL.
3. PROVIDE A 4" DIA. PVC VENT PIPE FROM THE WET WELL TO 10' ABOVE GRADE. PROVIDE A VENT CAP.
4. INTERIOR OF THE VALVE VAULT AND PIPING IN THE VALVE VAULT WITH ConSeal CS-55 (OR EQUAL), TWO COATS, 4 MILS EACH. PIPING SHALL BE COATED AFTER INSTALLATION.
5. VALVE VAULT SHALL BE SIZED TO PERMIT EASY REMOVAL OF CHECK VALVE SPINDLES WITH MINIMUM CLEARANCES AS SHOWN FOR 8" DIAMETER PIPE AND SMALLER. CLEARANCES SHALL INCREASE AS REQUIRED FOR LARGER PIPE SIZES.
6. VALVE VAULT SHALL HAVE SEALED FLOOR AND DRAIN.
7. ALL LOCATIONS WHERE PIPES ENTER OR LEAVE THE WET WELL OR VALVE VAULT SHALL BE MADE WATERTIGHT WITH WALL SLEEVE AND STAINLESS STEEL LINK SEAL.
8. THERE SHALL BE NO VALVES OR ELECTRICAL JUNCTION BOXES IN WET WELL.
9. WET WELL AND VALVE VAULT COVERS SHALL BE ALUMINUM WITH 316 S.S. HARDWARE LOCK BRACKET. SIZE AS REQUIRED BY PUMP MANUFACTURER AND APPROVED BY THE CITY.
10. FLEXIBLE COUPLING SHALL BE SLEEVE TYPE, EPOXY COATED.
11. PUMP DATA: MANUFACTURER: _____; MODEL: _____; DIA: _____; SPEED: _____; DISCHARGE SIZE: _____ IN.; VOLTAGE: _____; HZ.: _____; PHASE: _____; H.P.: _____; MIN. SOLID SIZE: _____ IN.
12. OPERATING CONDITIONS SHALL BE _____ GPM AT _____ FEET TDH.
13. ALL HARDWARE IN WET WELL AND VALVE BOX TO BE 316 STAINLESS STEEL.
14. ALL PIPING INSTALLED IN WET WELL.
15. AT THAT LIFT STATIONS SHALL BE EQUIPPED WITH SCADA SYSTEM.THE DEVELOPER SHALL PAY THE CITY COST OF THE UNIT.THE CITY WILL BE RESPONSIBLE FOR INSTALLATION.
16. ALL LIFT STATIONS SHALL BE FENCED WITH DECORATIVE STONE OR BRICK OR AS DIRECTED BY THE CITY.
17. ALL LIFT STATIONS SHALL HAVE A 10 FEET WIDE CONCRETE ACCESS DRIVEWAY, 35' LONG FROM EDGE OF WET WELL TO BACK OF CURB.
18. ENGINEER SHALL PROVIDE A SCALED (1" = 20' MIN.) SITE SPECIFIC DETAIL.

PUMP STATION DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	MAY 2022	FIG. 301

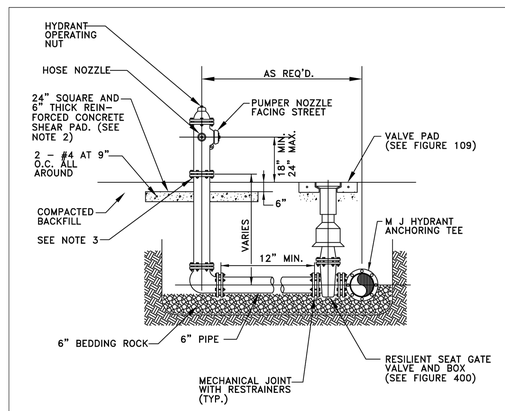


NOTES:

1. PVC EXTENSIONS MAY BE USED ON VALVE BOX INSTALLATION.
2. THE ACTUATING NUT FOR DEEPER VALVES SHALL BE EXTENDED TO WITHIN A 3 FEET BELOW FINISHED GRADE.

GATE VALVE AND BOX DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 400



NOTES:

1. FIRE HYDRANT SHALL BE SUPPLIED WITHOUT A WEEP HOLE, OR WITH A PERMANENTLY PLUGGED WEEP HOLE.
2. THE SHEAR PAD SHALL BE RECESSED SIX (6) INCHES BELOW THE FINISHED GRADE AND THE RECESSED SECTION SODDED.
3. CLEARANCE BETWEEN BOTTOM OF BOLTS AND TOP OF SHEAR PAD SHALL BE A TWELVE (12) INCH MINIMUM.
4. FIRE HYDRANTS SHALL BE IDENTIFIED IN ACCORDANCE WITH THE CITY OF APOPKA CONSTRUCTION DESIGN STANDARDS MANUAL.

FIRE HYDRANT ASSEMBLY DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 402

No.	REVISIONS	DATE	BY

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200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL
PHONE: (407) 898-1511
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LICENSED PROFESSIONAL ENGINEER PROSPERO DE PEÑA PINEIRO LICENSE NUMBER 84206 STATE OF FLORIDA

KHA PROJECT 249188018	
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CITY OF APOPKA DETAILS

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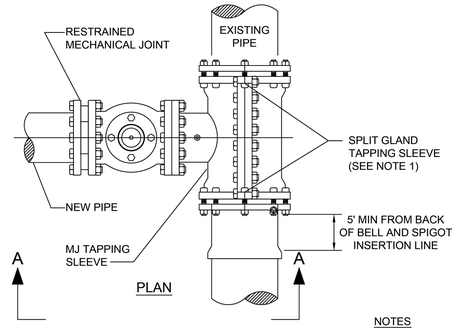
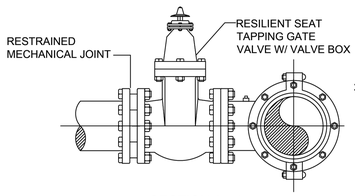
C8.2





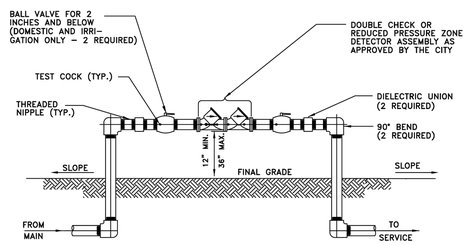
SECTION A - A

NOTES

1. SIZE ON SIZE WET TAPS WILL CALL FOR FULL ENCIRCLEMENT STAINLESS STEEL MJ TAPPING SLEEVE; MUELLER H-304, OR EQUAL.
2. ALL NEWLY INSTALLED TAPPING SLEEVES & TAPPING VALVES SHALL BE PNEUMATICALLY TESTED AT A TEST PRESSURE OF 150PSI FOR A PERIOD OF THIRTY MINUTES.

WATER AND RECLAIMED WATER MAINS WET TAP TIE-IN DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 406



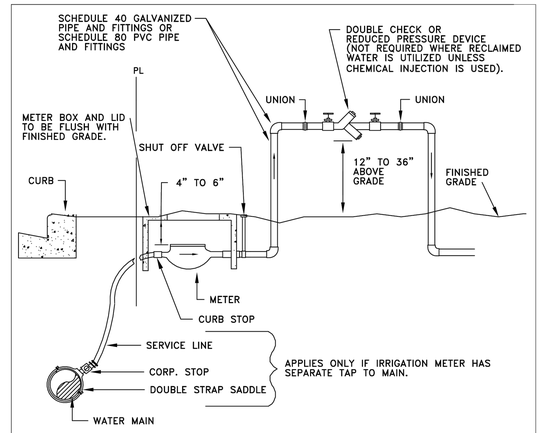
NOTES:

1. ALL PIPE FITTINGS, MATERIALS, LABOR, AND APPURTENANCES SHALL BE SUPPLIED BY THE CONTRACTOR.
2. ALL PIPE AND FITTINGS TWO (2) INCHES AND SMALLER SHALL BE THREADED SCHEDULE 40 GALVANIZED STEEL.

DOUBLE CHECK OR REDUCED PRESSURE ZONE DETECTOR ASSEMBLY

2 INCH AND BELOW ASSEMBLY

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 500 A



NOTES:

1. A POSITIVE DIELECTRIC CONNECTION SHALL BE MADE BETWEEN ALL GALVANIZED AND BRASS COMPONENTS.
2. METER SHALL BE INSTALLED JUST INSIDE THE ROW LINE OR PROPERTY LINE AND IN NO CASE SHALL IT BE INSTALLED IN THE SIDEWALK OR OTHER PAVED AREAS.
3. DOUBLE CHECK VALVES MAY BE USED AS LONG AS THEIR ARE NO CHEMICALS OR A WELL ON SITE.
4. A PVB DEVICE SHALL BE 12-INCHES MINIMUM ABOVE HIGHEST OUTLET OR SPRAYHEAD
5. ALL BACKFLOW PREVENTION DEVICES ARE TO BE AWWA APPROVED.

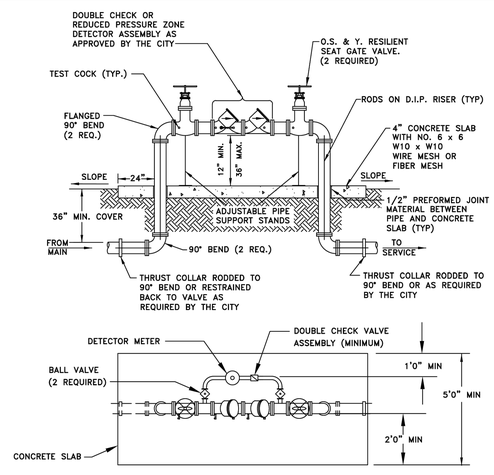
IRRIGATION METER AND DOUBLE CHECK VALVE OR REDUCED PRESSURE BACKFLOW PREVENTER

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 502

GENERAL NOTES

1. Governing standards and specifications on this project are considered the Florida Department of Transportation (FDOT) Design Standards (2013 Edition), FDOT Standard Specifications for Road and Bridge Construction (2013 Edition), and City of Apopka Utilities Design and Construction Standards Manual (2014 Edition).
2. All personal property, except mail boxes located within the public right-of-way (not relocated by the property owner), shall be removed by the Contractor as necessary to construct the project in accordance with the Construction Plans. Mail boxes shall be relocated by the Contractor in accordance with FDOT Index No. 532.
3. The disposal of excess earthwork materials shall be the responsibility of the Contractor. Approval of disposal sites shall be obtained from the City of Apopka prior to disposal.
4. All existing trees and stumps within the right-of-way and limit of the project are to be removed as clearing and grubbing unless otherwise directed.
5. Sod and mulch all disturbed areas not covered by sod unless otherwise directed.
6. All pavement offsets shown are to the proposed centerline of construction, as where radius dimensions are to the edge of pavement, unless otherwise noted.
7. Turnout locations and widths shown in the Construction Plans are approximate and may be adjusted as necessary or as directed by the Engineer. All turnouts shall be constructed in accordance with FDOT Index No. 515.
8. The various permits included in the bid specifications payment are included in the bid price for Section 104. The Contractor shall perform his work in accordance with the requirements of "Prevention, Control, and Abatement of Erosion and Water Pollution", excluding items specified elsewhere. Environmental controls shall be used at locations designated in the plans and/or designated by the Engineer.
9. The information shown on these drawings concerning type and location of underground and other utilities are based on available records and surveys, but is not guaranteed to be accurate or all inclusive. The Contractor shall make his own determination as to the type and location of utilities as may be necessary to avoid damage there to, and is responsible for coordinating utility relocation.
10. Prior to ordering drainage structures, the Contractor shall determine if drainage utility conflicts exist. Information about possible conflicts shall be submitted to the Engineer as soon as possible after discovery of such for resolution.
11. The Contractor shall notify all gas utility companies a minimum of two working days prior to excavation as required by Chapter 77-455 of the Florida Statutes.
12. All inlet/manhole - pipe joints shall be filled with non-shrink grout, covered with an asphaltic mastic coating, and wrapped with a filter fabric material per Section 110.03.03 of the Orange County Road Construction Specifications.
13. All curb inlets, ditch bottom inlets, and manholes shall have traffic bearing frames and covers or grates meeting AASHTO-20 loading requirements.
14. Changes of pipe inverts not exceeding plus or minus one foot will not be considered as a basis for additional compensation for the pertinent pipe bid item or for modification of precast structures.
15. All benchmarks (irons and monuments) shown in the Construction Plans, or found, shall be preserved. Those shown in proposed pavement shall be protected with a cast iron valve box.
16. Public land corners within the limits of construction shall be protected. If a corner monument is in danger of being destroyed or disturbed, the Contractor shall notify the Engineer, without delay, by telephone. The Contractor shall provide written follow up confirmation within 48-hours of telephone notification.
17. Prior to beginning of any construction, the Contractor shall submit to the Engineer a set of field notes verifying the benchmark elevations and the reference point connections on the plan and profile view sheets, and/or a set of field notes for all additional benchmark and reference point connections proposed to be used in constructing the project with their location, description and elevation, based on North American Vertical Datum (NAVD88). All submittals shall be signed and sealed by a Professional Land Surveyor registered in the State of Florida.
18. Within 21 calendar days after notice to proceed, the Contractor shall stake the public right-of-way at 50 foot intervals and the right-of-way breaks with corresponding stations shown on the stakes. No invoice for payment for mobilization (Pay Item No. 101-1) will be processed until the right-of-way has been staked to the satisfaction of the Engineer.
19. Any United States Code (USC) and National Geodetic Survey (NGS) monuments within the limits of construction shall be protected. If in danger of damage, the Contractor shall notify the Engineer, and both shall notify:
    State Geodetic Advisor, NOAA
    3900 Commonwealth Blvd - MS105
    Tallahassee, FL Phone (850) 245-2606
20. It shall be the responsibility of the Contractor to acquire all necessary right-of-way and maintenance of traffic permits. The City will waive all permits required for construction activities within the limits of public right-of-way owned and maintained by the City of Apopka. For construction activity within the limits of public right-of-way maintained by the City but owned by Orange County or the State of Florida, the Contractor shall acquire the required permits from the agencies. It shall be the responsibility of the Contractor to insure that all required permits are obtained and in-hand before beginning any construction.
21. The location of all existing utilities, storm drainage systems, and topographic features shown on the plans have been determined from the best available information and are provided for the convenience of the Contractor. The Engineer assumes no responsibility for their inaccuracy. Should a discrepancy arise between these plans and actual field conditions, which would appreciably affect the execution of these plans, the Contractor shall halt construction and notify the Engineer immediately.
22. The Contractor shall be responsible for notifying the City within 48 hours before any inspections. Also, the Contractor shall be responsible for meeting all inspection criteria, schedules and signing said inspections.
23. The Contractor shall not excavate, remove or otherwise disturb any material, structure or part of a structure which is located outside the lines, grades or grading section, established for this project, except where such excavations or removal is provided or in the Contract Construction Plans or Technical Specifications.
24. All work and all materials furnished shall be in conformity with the lines, grades, grading sections, cross sections, dimensions, material requirements, and testing requirements that are specified in the Contract Construction Plans or Technical Specifications.
25. All work shall be accomplished in strict accordance with all applicable federal, state and local codes, ordinances and regulations.
26. Apparent errors, discrepancies or omissions in the Construction Plans shall be brought to the Engineer's attention before bidding.
27. After completion of construction, the Contractor shall provide to the City a completed as-built plan one week prior to the final inspection. Before the final acceptance it shall be the Contractor's responsibility to perform a site cleanup for the removal of trash, debris, excess materials, and equipment to present the project site clean and in good order.
28. No extra payments shall be allowed for any work required due to misunderstanding of job or site conditions affecting the work as described in the Technical Specifications or shown on the Construction Plans. The Contractor shall not take advantage of any apparent error or omission in the Construction Plans or Technical Specifications and the Engineer shall be permitted to make corrections and interpretation as may be deemed necessary for the fulfillment of the intent of the Contract Documents. By entering the bidding process the bidders acknowledge acceptance of these conditions.
29. The Contractor shall submit four (4) sets of detailed shop drawings of all major items proposed for this project to the Engineer prior to ordering any of the equipment or material. Two (2) copies of the shop drawings will be returned to the Contractor. Upon the Contractor's receipt of approved shop drawings from the Engineer, the Contractor may proceed with the work.
30. The Contractor shall comply with the legal load restrictions in hauling of materials in public roads beyond the limits of construction work. A special permit will not relieve the Contractor of liability for damage which may result from the moving of material and equipment.
31. During construction, no direct discharge of water to downstream receiving waters will be allowed. The Contractor is responsible for maintaining water quality and route discharge water in such a manner as to adequately remove silt prior to runoff from the site.
32. Connection to existing lines to which utility pipe of the Contract must connect, the following work shall be performed:
    A. Expose buried lines to confirm or determine end connection, pipe material and diameter.
    B. Furnishing and installing piping and making proper connections.

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. GN



NOTES: 1. BYPASS METER MUST MEET AWWA STANDARD C700 OR C701.
2. METER MUST MEET AWWA STANDARD C707 AND TRANSMITTER MUST BE COMPATIBLE WITH THE CITY'S AMR SYSTEM.
3. ALL PIPE FITTINGS, MATERIALS, LABOR, AND APPURTENANCES SHALL BE SUPPLIED BY THE CONTRACTOR.
4. ALL PIPE AND FITTINGS TWO (2) INCHES AND SMALLER SHALL BE THREADED SCHEDULE 40 GALVANIZED STEEL, OR BRASS.

ABOVE GROUND DEVICE WITH DETECTOR BY-PASS

2 INCH AND ABOVE ASSEMBLY

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 500 B

NOTES:

1. FREEZE PROTECTION TO BE INSTALLED ON REDUCED PRESSURE DETECTOR ASSEMBLY BACKFLOW PREVENTER AND 1.5" RPZ BACKFLOW PREVENTER.
2. FREEZE PROTECTION INSTALLED ON BACKFLOW PREVENTER SHALL COMPLETELY INSULATE AND WRAP DEVICE.
3. THE INSTALLATION OF FREEZE PROTECTION SHALL NOT INHIBIT ANY MAINTENANCE TO BE PERFORMED ON THE BACKFLOW PREVENTER DEVICE.

FREEZE PROTECTION DETAIL

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2025 KIMLEY-HORN AND ASSOCIATES, INC.
200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL
PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL ENGINEER PROSPERO DE PEREIRA-PAIMBOURG LICENSE NUMBER 84826 STATE OF FLORIDA

KHA PROJECT 249188018
DATE 1/30/2026
SCALE AS SHOWN
DESIGNED BY CBL
DRAWN BY TJE
CHECKED BY DER

CITY OF APOPKA DETAILS

7-11 OCOEE APOPKA RD

CITY OF APOPKA FLORIDA

SHEET NUMBER C8.3

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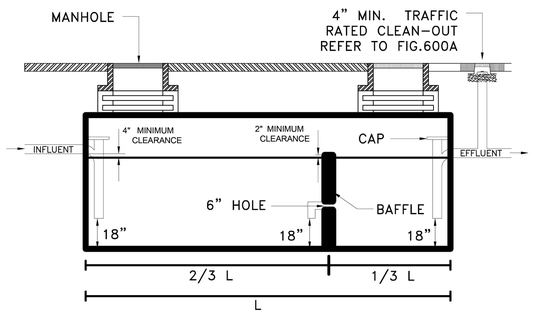


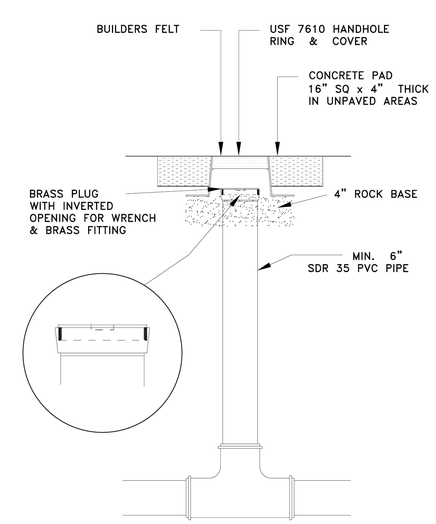
NOTES :
1. INTERCEPTOR TO BE CONSTRUCTED OF 4000 PSI CONCRETE

2. INTERCEPTOR TOTAL VOLUMN SHALL BE AT LEAST 750 GAL. BUT NOT EXCEED 1250 GAL.

3. ALL ACCESS RINGS AND COVERS NEED TO BE TRAFFIC RATED H-20.

GREASE INTERCEPTOR DETAIL
NTS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 600



GREASE INTERCEPTOR TRAFFIC RATED CLEAN-OUT DETAIL
NTS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 600 A

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No.	REVISIONS	DATE	BY

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PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL ENGINEER DEREK PAUL BURNSURE * STATE OF FLORIDA * PROFESSIONAL ENGINEER

KHA PROJECT	249188018
DATE	1/30/2026
SCALE	AS SHOWN
DESIGNED BY	CBL
DRAWN BY	TJE
CHECKED BY	DER

CITY OF APOPKA DETAILS

7-11 OCOEE APOPKA RD

CITY OF APOPKA FLORIDA

SHEET NUMBER
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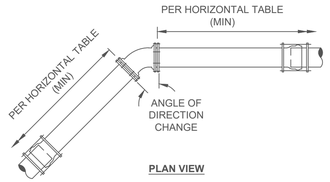
RESTRAINED HORIZONTAL PIPE - WATER, WASTEWATER FORCE, & RECLAIMED WATER MAINS (150 PSI)



PLAN VIEW

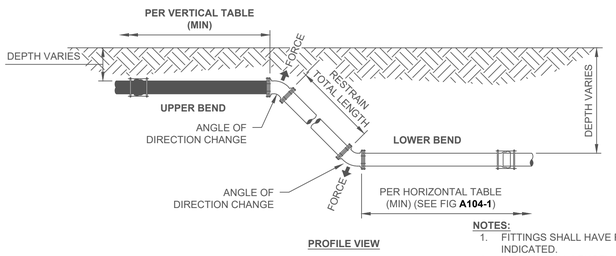
MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S)

	TYPE	PVC AND DUCTILE IRON PIPE SIZE (IN)													
		4	6	8	12	16	20	24	30	36	42	48	54	60	64
HORIZONTAL	90° BEND	21	29	37	52	65	78	104	122	143	154	167	180	188	195
	45° BEND	9	12	16	22	27	33	43	51	60	64	70	75	78	81
	22-1/2° BEND	5	6	8	11	13	16	21	25	29	31	34	36	38	39
	11-1/4° BEND	2	3	4	6	7	8	11	12	15	16	17	18	19	20
	5 5/8° BEND OR MJ SLEEVE	1	2	2	3	4	4	6	6	8	8	9	9	10	10
	PLUG OR BRANCH OF TEE OR DEAD END	43	59	78	109	139	167	277	330	415	424	465	506	529	551
	VALVE OR LINE STOP	22	30	39	55	70	84	139	165	208	212	233	253	265	276
	HDPE CONNECTION	19	26	34	49	62	75	125	151	174	203	223			

NOTES:
1. FITTINGS SHALL HAVE RESTRAINED JOINTS UNLESS OTHERWISE INDICATED.
2. INSTALL FULL LENGTH JOINTS WITH TOTAL LENGTH EQUAL TO OR GREATER THAN LENGTH SHOWN IN THE TABLE.
3. WHERE TWO OR MORE FITTINGS ARE IN SERIES, SELECT FITTING RESTRAINT LENGTH THAT YIELDS THE LONGEST RESTRAINT DISTANCE.
4. ALL INLINE VALVES SHALL BE RESTRAINED.
5. WHERE INTERNAL RESTRAINED JOINTS ARE USED, THE ENTIRE BELL SHALL BE PAINTED RED.
6. LENGTHS SHOWN IN THE TABLE WERE CALCULATED IN ACCORDANCE WITH PROCEDURES OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" GUIDELINES PUBLISHED BY DIPRA, USING THE ASSUMPTIONS SHOWN BELOW:
   - WORKING PRESSURE: 150 PSI
   - SOIL DESIGNATION: SM (SAND SILT)
   - LAYING CONDITIONS: 3
   - DEPTH OF COVER: 3-FT
   - SAFETY FACTOR: 1.5

   THE DESIGN ENGINEER SHALL INCREASE THE VALUES IN THE TABLE AS WARRANTED BY SITE-SPECIFIC PARAMETERS, SUCH AS SOIL DESIGNATIONS AND LAYING CONDITIONS.
7. 90° BENDS ON VERTICAL PIPE ARE SUBJECT TO REVIEW AND APPROVAL OF UTILITIES.
8. IF 4-IN THRU 20-IN PIPE IS POLYETHLYENE ENCASED, USE 1.25 MULTIPLIER ON RESTRAINT LENGTH.
9. RESTRAINING REQUIREMENTS APPLY TO BOTH EXISTING AND PROPOSED MAINS.

RESTRAINED VERTICAL PIPE - WATER, WASTEWATER FORCE, & RECLAIMED WATER MAINS (150 PSI)



PROFILE VIEW

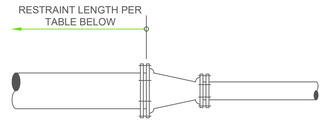
MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S)

	TYPE	PVC AND DUCTILE IRON PIPE SIZE (IN)													
		4	6	8	12	16	20	24	30	36	42	48	54	60	64
VERTICAL (UPPER)	90° BEND	43	59	78	109	139	167	277	330	415	424	465	506	529	551
	45° BEND	18	25	32	45	58	69	115	137	172	176	193	210	219	229
	22-1/2° BEND	9	12	16	22	28	34	56	66	83	85	93	101	106	110
	11-1/4° BEND	5	6	8	11	14	17	28	33	41	42	46	50	53	55
	5 5/8° BEND OR MJ SLEEVE	3	3	4	6	7	9	14	17	21	21	23	25	26	28

NOTES:
1. FITTINGS SHALL HAVE RESTRAINED JOINTS UNLESS OTHERWISE INDICATED.
2. INSTALL FULL LENGTH JOINTS WITH TOTAL LENGTH EQUAL TO OR GREATER THAN LENGTH SHOWN IN THE TABLE.
3. WHERE TWO OR MORE FITTINGS ARE IN SERIES, SELECT FITTING RESTRAINT LENGTH THAT YIELDS THE LONGEST RESTRAINT DISTANCE.
4. ALL INLINE VALVES SHALL BE RESTRAINED.
5. WHERE INTERNAL RESTRAINED JOINTS ARE USED, THE ENTIRE BELL SHALL BE PAINTED RED.
6. LENGTHS SHOWN IN THE TABLE WERE CALCULATED IN ACCORDANCE WITH PROCEDURES OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" GUIDELINES PUBLISHED BY DIPRA, USING THE ASSUMPTIONS SHOWN BELOW:
   - WORKING PRESSURE: 150 PSI
   - SOIL DESIGNATION: SM (SAND SILT)
   - LAYING CONDITIONS: 3
   - DEPTH OF COVER: 3-FT
   - SAFETY FACTOR: 1.5

   THE DESIGN ENGINEER SHALL INCREASE THE VALUES IN THE TABLE AS WARRANTED BY SITE-SPECIFIC PARAMETERS, SUCH AS SOIL DESIGNATIONS AND LAYING CONDITIONS.
7. 90° BENDS ON VERTICAL PIPE ARE SUBJECT TO REVIEW AND APPROVAL OF UTILITIES.
8. IF 4-IN THRU 20-IN PIPE IS POLYETHYLENE ENCASED, USE 1.25 MULTIPLIER ON RESTRAINT LENGTH.
9. RESTRAINING REQUIREMENTS APPLY TO BOTH EXISTING AND PROPOSED MAINS.

RESTRAINED PIPE TABLE - REDUCERS - WATER, WASTEWATER FORCE, & RECLAIMED WATER MAINS (150 PSI)



MINIMUM LENGTH (FEET) TO BE RESTRAINED ON LARGE SIDE OF REDUCER

PVC & DI PIPE	REDUCER SMALL SIZE (IN)										
DIA (INCH)	4	6	8	12	16	20	24	30	36	42	48
6	31										
8	56	33									
12		79	58								
16			101	59							
20				105	59						
24				205	151	83					
30					233	180	116				
36						259	208	115			
42							281	205	110		
48								281	201	109	
54									282	204	112
60										253	170
64											222

* BASED ON WORKING PRESSURE 150 PSI

NOTES:
1. LENGTHS SHOWN IN THE TABLE WERE CALCULATED IN ACCORDANCE WITH THE PROCEDURES IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE", GUIDELINES PUBLISHED BY DIPRA AND AWWA M23 "PVC PIPE - DESIGN AND INSTALLATION.
2. THE DESIGN ENGINEER SHALL INCREASE THE VALUES IN THE TABLE AS WARRANTED BY SITE-SPECIFIC PARAMETERS, SUCH AS SOIL DESIGNATED AND LAYING CONDITIONS.
3. WHERE TWO OR MORE FITTINGS ARE IN SERIES, SELECT FITTING RESTRAINT LENGTH THAT YIELDS THE LONGEST RESTRAINT DISTANCE.
4. RESTRAINING REQUIREMENTS APPLY TO BOTH EXISTING AND PROPOSED MAINS.

No.	REVISIONS	DATE	BY

Kimley»Horn
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200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL
PHONE: (407) 898-1511
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

LICENSED PROFESSIONAL ENGINEER * STATE OF FLORIDA * PROFESSIONAL ENGINEER

KHA PROJECT	249188018
DATE	1/30/2026
SCALE	AS SHOWN
DESIGNED BY	CBL
DRAWN BY	TJE
CHECKED BY	DER

ORANGE COUNTY DETAILS

7-11 OCOEE APOPKA RD

CITY OF APOPKA FLORIDA

SHEET NUMBER
C8.5

120 E. Main Street, Apopka, Florida 32703-5346
Phone: 407-703-1700
www.apopka.gov

June 6, 2023

Dave Schmitt, P.E.
Dave Schmitt Engineering, Inc.
12301 Lake Underhill Road, Suite 241
Orlando, Florida 32828

RE: 3716 Hogshead Road – Construction Site Plan

Dear Mr. Schmitt:

On May 10, 2023, the Development Review Committee (DRC) approved the Construction Site Plan (CSP) and issued a Development Order for the above referenced project. This action allows you to apply for the permits necessary to begin construction.

Prior to commencing any site construction, including grading or clearing, a pre-construction meeting must be held with the City Engineer. Please contact (407) 703-1718 to schedule this meeting. Additionally, a building permit must be issued by the City of Apopka Building Official prior to construction or installation of any structure or building. Contact (407) 703-1713 for any inquiries regarding the building permit process.

The terms and conditions of the CSP are valid for two (2) years from the approval date. A copy of the approved plan is enclosed for your records. This plan must be kept on the job site during construction.

If you have any questions, please contact the Community Development Department at (407) 703-1712.

Sincerely,

Jean Sanchez
Senior Project Coordinator/Planner

Enclosure

CC: James K. Hitt, FRA-RA, Community Development Director
Bobby Howell, AICP, Planning Manager
DRC Members

Mayor: BRYAN NELSON Commissioners: ALEXANDER H. SMITH DIANE VELAZQUEZ KYLE BECKER NICK NESTA

CONSTRUCTION SITE PLAN

for

3716 HOGSHEAD ROAD

APOPKA, FLORIDA

OWNER:
LAUREL BODEGA, LLC.
621 WILKES AVENUE
ORLANDO, FL 32809
CONTACT: SHAWN CASEY
PHONE: 407 497-9033
EMAIL: SCASEY@SCASEYCONSTRUCTION.COM

ENGINEER:
DAVE SCHMITT ENGINEERING, INC.
12301 LAKE UNDERHILL ROAD, SUITE 241
ORLANDO, FL 32828
CONTACT: DAVE SCHMITT, P.E.
PHONE: 407 207-9088
EMAIL: DSEMAILBOX@DSEORL.COM

SURVEYOR:
BASE LINE LAND SURVEYORS
15351 AMBERBEAM BLVD.
WINTER GARDEN, FL 34787
CONTACT: CHRIS J. LINDSTEDT, FSM
PHONE: 321 377-0390
EMAIL: CLINDSTEDT@BASE-LINEINC.COM

ENVIRONMENTAL:
INTERTEK PSI.
1748 33rd STREET
ORLANDO, FL 32805
CONTACT: JEFFREY M. MARTINEAU
PHONE: 407 304-5560
EMAIL: JEFF.MARTINEAU@INTERTEK.COM

GEOTECHNICAL:
INTERTEK PSI
1748 33rd STREET
ORLANDO, FL 32839
CONTACT: MAX S. McGAHAN, P.E.
PHONE: 407 304-5560
EMAIL: MAX.MCGAHAN@INTERTEK.COM

CITY OF APOPKA
DEVELOPMENT REVIEW COMMITTEE
Compliance Review Per Land Development Code

DEPARTMENT	NAME	DATE
ENGINEERING		5-12-23
FIRE		5-11-23
BUILDING		5-11-23
PLANNING/ZONING		5/10/2023
POLICE		5/10/2023
PUBLIC SERVICES/ UTILITIES		5-12-23

REVIEW/APPROVAL(S) REQUIRED			DATE
Development Review Committee	Yes ☑	No ☐	5/10/2023
Planning Commission	Yes ☐	No ☐	
City Council	Yes ☐	No ☐	

THIS REVIEW / APPROVAL DOES NOT GRANT PERMISSION TO VIOLATE OR WAIVE ANY APPLICABLE CITY CODE.

THIS PLAN MUST BE KEPT ON JOB SITE.

PARCEL ID
01-21-27-0000-00-044

WATER / SEWER SERVICE:
CITY OF APOPKA
748 EAST CLEVELAND STREET
APOPKA, FL 32703
CONTACT: JORGE GARCIA
PHONE: 407 703-1731

ELECTRIC SERVICE:
DUKE ENERGY
PO BOX 14042
ST. PETERSBURG, FL 33733
CONTACT: CHRISTINA POSHARD
PHONE: 407 464-1229

GAS SERVICE:
LAKE APOPKA NATURAL GAS DISTRICT
38 NORTH LAKE PARK AVENUE
APOPKA FL, 32703
CONTACT: EVERETT HOLMES
PHONE: 407 410-7024

TELEPHONE AND CABLE SERVICE:
CENTURYLINK
100 CENTURYLINK DRIVE
MONROE, LA 71203
CONTACT: HARY TOLEDO
PHONE: 833 283-4773

Legal Description:

Begin at the the NW corner of the West 3/4 of the NW 1/4 of the SE 1/4 of the NW 1/4, thence run East 165 feet, thence South 100 feet, thence East 48 feet, thence South 530 feet, more of less to the South Boundary of the NW 1/4 of the SE 1/4 of the NW 1/4. thence run West along said line, 213 feet, more or less to the SW corner of the NW 1/4 of the SE 1/4 of the NW 1/4, thence run North 660 feet, more or less to the P.O.B. Less the North 30 feet of the West 165 feet for road, all being in Section 1, Township 21 South, Range 27 East, Public Records of Orange County, Florida.

Containing 2.99 acres, more or less.

GENERAL:
PROJECT SHALL COMPLY WITH THE LIGHT INDUSTRIAL (IL) USE DESIGN STANDARDS SET FORTH IN THE CITY OF APOPKA LAND DEVELOPMENT CODE. MARKETING TO COMPANIES OF LIGHT MANUFACTURING AS WELL AS INDUSTRIAL DEVELOPMENT SUPPORTING COMPANIES SUCH AS HVAC, ELECTRICAL, PLUMPING, AND ETC. WAREHOUSE DISTRIBUTION COULD BE OF USE SUCH AS SMALL ECOMMERCE COMPANIES.

811 Know what's **below.** **Call** before you dig.

PREPARED FOR:

LAUREL BODEGA, LLC

REVISIONS								
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
						04-14-2023	JT	REV PER WMD ⚠

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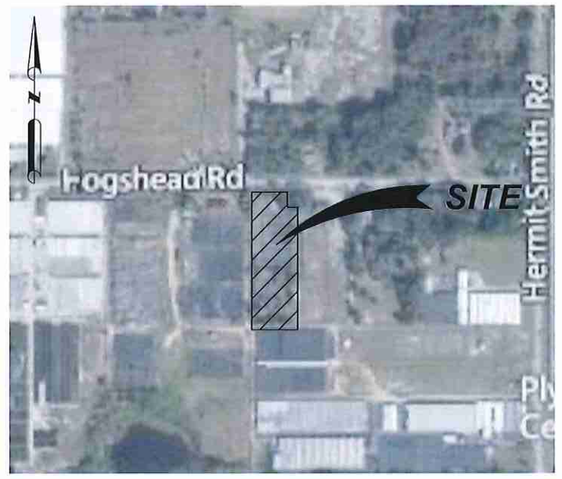
TABLE OF CONTENTS

01	COVER SHEET
02	GENERAL NOTES
03	EROSION CONTROL & DEMO PLAN
04	EROSION CONTROL DETAILS
05	STORM WATER POLLUTION PREVENTION PLAN
06	OVERALL SITE PLAN
07	GRADING & DRAINAGE PLAN
08	UTILITY PLAN
09	FIRETRUCK ROUTING PLAN
10	GRINDER PUMP STATION PLAN
11	UTILITY DETAILS
12	PAVING & GRADING DETAILS
	PLANS BY OTHERS
13-15	PHOTOMETRIC PLANS
16-17	LANDSCAPE PLANS
18	IRRIGATION PLANS
19	TOPOGRAPHIC SURVEY



SITE LOCATION

DAVE SCHMITT ENGINEERING, INC.
12301 LAKE UNDERHILL ROAD
SUITE 241
ORLANDO, FL 32828
407-207-9088 FAX 407-207-9089
Certification of Authorization #27471

DAVE M. SCHMITT
FLORIDA REG. NUMBER 4827

Digitally signed by Dave M Schmitt
Date: 2023.05.10 15:45:33 -04'00'

DATE: FEBRUARY 2022 | JOB NO.: SAC-2 | SHEET: 01 OF 12

1. ALL CONSTRUCTION SHALL CONFORM WITH CITY OF APOPKA ENGINEERING STANDARDS MANUAL, 2016 F.D.O.T. STANDARDS FOR ROAD & BRIDGE CONSTRUCTION, AND THE CONSTRUCTION OF ALL UTILITIES CONNECTING TO THE CITY OF APOPKA UTILITY SYSTEM SHALL BE IN CONFORMANCE WITH THE CITY OF APOPKA STANDARDS & CONSTRUCTION SPECIFICATIONS MANUAL APRIL 2011.

2. THE CONTRACTOR SHALL COORDINATE ALL WORK WITHIN EXISTING ROAD RIGHTS-OF-WAY WITH CITY OF APOPKA ENGINEER

3. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND IN-HAND BEFORE BEGINNING CONSTRUCTION.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL INSPECTION CRITERIA AND SCHEDULES, AND FOR SIGNING SAID INSPECTIONS.

5. NO DEFLECTION OR BENDING IS ALLOWED IN PVC PIPE THAT WILL BE OWNED AND MAINTAINED BY CITY OF APOPKA. ALIGNMENT CHANGE SHALL BE MADE ONLY WITH FITTINGS. LONG RADIUS CURVES, EITHER HORIZONTAL OR VERTICAL, MAY BE INSTALLED WITH STANDARD PIPE BY DEFLECTIONS AT THE JOINTS. MAXIMUM DEFLECTIONS AT PIPE JOINTS, FITTINGS AND LAYING RADIUS FOR THE VARIOUS PIPE LENGTHS SHALL NOT EXCEED 75 PERCENT OF THE PIPE MANUFACTURER'S RECOMMENDATION.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION, AND FOR NOTIFYING THE VARIOUS UTILITY PROVIDERS TO MAKE THE NECESSARY ARRANGEMENTS FOR ANY RELOCATION, TEMPORARY DISRUPTION OF SERVICE, OR CLARIFICATION OF ACTIVITY REGARDING SAID UTILITY. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THESE PLANS OR FIELD LOCATED. ALL UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY PROVIDERS AND THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY PROVIDER DURING RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE BY THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.

7. THE LOCATION OF ALL EXISTING UTILITIES, STORM DRAINAGE SYSTEMS AND TOPOGRAPHIC FEATURES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AND ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. SHOULD A DISCREPANCY ARISE BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, WHICH WOULD APPRECIABLY AFFECT THE EXECUTION OF THESE PLANS, THE CONTRACTOR WILL HALT ALL CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY.

8. DUKE ENERGY WILL INSTALL, REGULATE AND MAINTAIN THE PROPOSED POWER DISTRIBUTION SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH DUKE ENERGY TO INSURE PROPER CONSTRUCTION PHASING, ELIMINATE CONFLICTS IN THE WORK, AND AVOID UNNECESSARY DELAYS.

9. THE LOCAL TELEPHONE COMPANY WILL INSTALL, REGULATE AND MAINTAIN THE PROPOSED COMMUNICATION DISTRIBUTION SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH SAID PROVIDER TO INSURE PROPER CONSTRUCTION PHASING, ELIMINATE CONFLICTS AND AVOID UNNECESARY DELAYS.

10. ALL WORK AND MATERIALS FURNISHED SHALL BE IN REASONABLE CONFORMITY WITH THE LINES, GRADES, GRADING SECTIONS, CROSS SECTIONS, DIMENSIONS, MATERIAL REQUIREMENTS, AND TESTING REQUIREMENTS THAT ARE SPECIFIED IN THE CONTRACT, PLANS OR SPECIFICATIONS.

11. THE CONTRACTOR SHALL CONTROL HIS OPERATIONS AND THOSE OF HIS SUBCONTRACTORS, AND ALL SUPPLIERS TO ASSURE THE LEAST INCONVENIENCE TO THE TRAVELING PUBLIC. THE CONTRACTOR SHALL MAINTAIN FREE AND UNOBSTRUCTED MOVEMENT OF VEHICULAR TRAFFIC AND SHALL LIMIT HIS OPERATIONS FOR THE SAFETY AND CONVENIENCE OF THE TRAVELING PUBLIC. UNDER ALL CIRCUMSTANCES, SAFETY SHALL BE THE MOST IMPORTANT CONSIDERATION.

12. PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL BARRICADES, WARNING SIGNS, AND MARKINGS FOR HAZARDS AND THE CONTROL OF TRAFFIC, IN REASONABLE CONFORMITY WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS OR AS DIRECTED BY CITY OF APOPKA TRAFFIC ENGINEER, SUCH AS TO EFFECTIVELY PREVENT ACCIDENTS IN ALL PLACES WHERE THE WORK CAUSES OBSTRUCTIONS TO THE NORMAL TRAFFIC OR CONSTITUTES IN ANY WAY A HAZARD TO THE PUBLIC.

13. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS CONTROLLING POLLUTION OF THE ENVIRONMENT.

14. THE CONTRACTOR SHALL COMPLY WITH ALL LOAD RESTRICTIONS IN THE HAULING OF MATERIALS IN PUBLIC ROADS BEYOND THE LIMITS OF THE WORK. A SPECIAL PERMIT WILL NOT RELIEVE THE CONTRACTOR OF LIABILITY FOR THE DAMAGE WHICH MAY RESULT FROM THE MOVING OF MATERIAL AND EQUIPMENT.

15. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE POLICIES AND GUIDELINES ESTABLISHED BY CITY OF APOPKA FOR THE PRESERVATION OF ALL PUBLIC AND PRIVATE PROPERTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE OR INJURY TO PROPERTY OF ANY CHARACTER, DURING THE EXECUTION OF THE WORK, RESULTING FROM ANY OMMSSION, NEGLECT, OR MISCONDUCT IN HIS MANNER OR METHOD OF EXECUTING THE WORK, OR AT ANYTIME DUE TO DEFECTIVE WORK OR MATERIALS.

16. THE CONTRACTOR SHALL INSURE THAT PROPER SOIL DENSITIES ARE ACHIEVED FOR PLACEMENT OF ALL HEADWALL/ENDWALL FOOTINGS, RETAINING WALLS, AND IN GENERAL, ANY FOOTING SUPPORT DESCRIBED ON THESE PLANS. IT WILL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SUFFICIENT SOILS TESTING HAS BEEN PERFORMED PRIOR TO CONSTRUCTION.

17. THE CONTRACTOR SHALL COMPLY WITH CITY OF APOPKA STANDARDS AND SPECIFICATIONS FOR STRIPPING, CLEARING, GRUBBING, GRADING, BACKFILLING, AND EMBANKMENT PREPARATION WITHIN ALL DESIGNED ROADWAY RIGHT-OF-WAY SECTIONS.

18. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN A COPY OF THE GEOTECHNICAL ENGINEER'S REPORT FOR THIS PROJECT FROM DAVE SCHMITT ENGINEERING. INC. AND MEET THE GEOTECHNICAL ENGINEER'S REQUIREMENTS FOR SOIL PREPARATION ON THE SITE.

19. AFTER THE ROADWAY HAS BEEN CONSTRUCTED TO SUBGRADE, IT SHALL BE PROOF-ROLLED TO ASSURE THAT PROPER COMPACTION HAS BEEN ATTAINED. THE PROOF-ROLLING AND COMPACTION OPERATIONS SHALL BE INSPECTED AND TESTED BY A FLORIDA LICENSED GEOTECHNICAL ENGINEER TO ASSURE THAT THE SPECIFIED COMPACTION IS MAINTAINED AND THAT ALL DELETERIOUS MATERIALS HAVE BEEN REMOVED.

20. COMPACT THE TOP 24 INCHES OF UTILITY TRENCHES WITHIN ROADWAYS TO 98% OF THE MODIFIED PROCTOR DENSITY; WITHIN OTHER AREAS TO 95%.

21. IN OTHER AREAS WHICH REQUIRE FILL MATERIAL THE CONTRACTOR WILL STRIP OR OTHERWISE REMOVE ALL VEGETATION SUCH AS BRUSH, HEAVY SODS, HEAVY GROWTH OF GRASS, DECAYED VEGETABLE MATTER, RUBBISH AND ANY OTHER DELETERIOUS MATERIAL BEFORE EMBANKMENT IS STARTED. IMMEDIATELY PRIOR TO THE PLACEMENT OF FILL MATERIALS, THE ENTIRE AREA UPON WHICH FILL IS TO PLACED, SHALL BE SCARIFIED IN A DIRECTION APPROXIMATELY PARALLEL TO THE AXIS OF FILL. THE GEOTECHNICAL ENGINEER SHALL APPROVE THE AREA PRIOR TO THE PLACEMENT OF FILL.

22. DURING CONSTRUCTION, NO DIRECT DISCHARGE OF WATER TO DOWNSTREAM RECEIVING WATERS WILL BE ALLOWED. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WATER QUALITY, AND SHALL ROUTE DISCHARGE WATER IN SUCH A MANNER TO ADEQUATELY REMOVE SILT PRIOR TO RUNOFF FROM SITE.

23. RECORD DRAWINGS: AT THE END OF CONSTRUCTION, THE CONTRACTOR WILL PROVIDE ONE SET OF DRAWINGS SHOWING ALL CHANGES MARKED IN WATERPROOF RED WITH THE FOLLOWING CONTRACTOR CERTIFICATION EXECUTED ON EACH SHEET: THE CONTRACTOR: _____ HEREBY CERTIFIES TO THE OWNER THAT IMPROVEMENTS COVERED BY THIS DRAWING AND ALL RELATED DETAILS HAVE BEEN CONSTRUCTED AS INDICATED OR AS MODIFIED BY THE NOTES AND GRAPHICS SHOWN. ABSENT A NOTE OR GRAPHIC TO THE CONTRARY, THE IMPROVEMENTS HAVE BEEN CONSTRUCTED MEETING INDUSTRY STANDARD TOLERANCES.
SIGNED:_____DATE:_____
AUTHORIZED CONTRACTOR'S REPRESENTATIVE

24. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.

25. ALL SIDEWALKS, RAMPS, AND CROSSWALKS WILL BE DESIGNED AND BUILT TO MEET ADA REQUIREMENTS.

26. MISCELLANEOUS ENGINEER NOTIFICATIONS

A. THE CONTRACTOR SHALL PROVIDE THE ENGINEER 24 HOUR ADVANCE NOTIFICATION FOR THE FOLLOWING CONSTRUCTION AND OBSERVATION ACTIVITIES.

a. SANITARY SEWER VIDEO INSPECTION.

b. CONNECTIONS TO EXISTING SYSTEMS

c. THRUST BLOCK POURS AND RESTRAINT CONNECTIONS

d. STORM DRAINAGE LAMPING

e. INLET TOP POURS (REINFORCING STEEL CHECK)

f. WATER & FORCE MAIN PRESSURE TESTS

g. BACTERIOLOGICAL SAMPLING

h. BASE OBSERVATION & SOUNDING

i. ASPHALT PLACEMENT

j. PRE-FINAL INSPECTION

k. FINAL INSPECTION

B. THE CONTRACTOR SHALL KEEP DAILY "AS-BUILT" DRAWINGS AND MAKE THEM READILY ACCESSIBLE.

C. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER A PROJECT CONSTRUCTION SCHEDULE (BAR GRAPH) AND UPDATE SAID SCHEDULE ON A MONTHLY BASIS.

D. ALL FUEL STORAGE AREAS SHALL HAVE THE PROPERTY OWNER'S PRIOR APPROVAL AND APPROPRIATE MEASURES SHALL BE TAKEN TO INSURE PROTECTION OF GROUNDWATER AND SOIL RESOURCES.

E. THE CONTRACTOR SHALL COORDINATE ALL BACKFILL OPERATIONS WITH THE PROJECT GEOTECHNICAL ENGINEER AND SUBMIT TEST REPORTS TO THE ENGINEER PRIOR TO BEGINNING WORK ON THE NEXT ITEM OF WORK, I.E. SUBGRADE PRIOR TO CURB.

F. THE ENGINEER RESERVES THE RIGHT TO REQUIRE THE CONTRACTOR TO UNCOVER, RETEST AND OR PERFORM ANY ACTION NECESSARY TO ENSURE THAT THE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

WATER

26. THE FOLLOWING UTILITY PROVIDER IS LISTED FOR THE CONVENIENCE TO THE CONTRACTOR.

WATER:

CITY OF APOPKA UTILITIES
748 EAST CLEVELAND STREET
APOPKA, FLORIDA 32703

CITY OF APOPKA UTILITIES WILL MAINTAIN THE PROPOSED POTABLE WATER SYSTEM WITHIN THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND DOING ALL OF THE WORK IN ACCORDANCE WITH THE LATEST CITY OF APOPKA UTILITIES SPECIFICATIONS AND STANDARDS.

27. ALL WATER MAIN FITTINGS, VALVES, RESTRAINTS, COUPLINGS, PIPE, AND IN GENERAL ALL MATERIALS REQUIRED FOR INSTALLING THE WATER SUPPLY SYSTEM, THAT CONNECT TO THE OCPU SYSTEM SHALL CONFORM TO CITY OF APOPKA MANUAL OF STANDARDS AND SPECIFICATIONS FOR WASTEWATER AND WATER MAIN CONSTRUCTION.

28. LOCATING TAPE CAPABLE OF REGISTERING ON A METAL LOCATOR SHALL BE INSTALLED DIRECTLY ABOVE THE PIPE CENTERLINE AND BURIED TO A MINIMUM DEPTH OF SIX (6) INCHES AND MAXIMUM DEPTH OF TWELVE (12) INCHES FOR ALL PROPOSED PRESSURE SYSTEMS. THE TAPE SHALL BE LAID CONTINUOUSLY WITHOUT GAPS BETWEEN ENDS OVER ALL INSTALLED PIPING. THE TAPE SHALL HAVE THE WORD "CAUTION" AND THE LINE IDENTIFICATION, SUCH AS, "CAUTION, WATER LINE BURIED BELOW", PRINTED CONTINUOUSLY ALONG ITS LENGTH. THE TAPE SHALL BE COLOR CODED BLUE ACCORDING TO CITY OF APOPKA UTILITIES STANDARDS. FULL RANGE MARKERS SHALL ALSO BE USED.

29. WATER AND UTILITY CROSSINGS:

UTILITY SEPARATION-VERTICAL CLEARANCE

A. WHERE WATER MAINS CROSS A GRAVITY SANITARY SEWER OR STORM SEWER MAIN, A VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) OF AT LEAST SIX INCHES, AND PREFERABLY TWELVE INCHES, ABOVE OR AT LEAST TWELVE INCHES BELOW MUST BE MAINTAINED. WHEREVER POSSIBLE, THE WATER MAIN SHALL BE LAID ABOVE THE OTHER PIPE.

B. WHERE WATER MAINS CROSS A SANITARY FORCE MAIN OR RECLAIMED WATER MAIN, A VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) OF AT LEAST 12 INCHES MUST BE MAINTAINED. WHEREVER POSSIBLE, THE WATER MAIN SHALL BE LAID ABOVE THE OTHER PIPE.

C. ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ON THE OTHER PIPELINE SO THAT THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE JOINTS OF THE OTHER PIPE.

UTILITY SEPARATION-HORIZONTAL SEPARATION

D. WHEN WATER MAINS PARALLEL A GRAVITY SEWER MAIN, SANITARY FORCE MAIN, OR RECLAIMED WATER MAIN NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., A SEPARATION (MEASURED OUTSIDE TO OUTSIDE) OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, MUST BE MAINTAINED. THE MINIMUM SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY SANITARY SEWERS SHALL BE THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SANITARY SEWER PIPE.

E. WHERE WATER MAINS PARALLEL A STORM SEWER PIPE OR RECLAIMED WATER MAIN REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. A MINIMUM OF 3 FEET HORIZONTAL SEPARATION (MEASURED OUTSIDE TO OUTSIDE) MUST BE MAINTAINED.

F. NO WATER MAIN SHALL PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A SANITARY MANHOLE OR STORM SEWER INLET OR MANHOLE.

G. FIRE HYDRANTS WITH UNDERGROUND DRAINS SHALL BE LOCATED SO THAT THE DRAINS ARE AT LEAST THREE FEET FROM THE A STORM SEWER OR RECLAIMED WATER MAIN REGULATED BY PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST THREE FEET, AND PREFERABLY TEN FEET, FROM A GRAVITY SANITARY SEWER, SANITARY FORCE MAIN OR RECLAIMED WATER MAIN NOT REGULATED BY PART III OF CHAPTER 62-610, F.A.C.

H. THE WATER MAIN PIPE SHALL BE LAID SUCH THAT THE JOINTS ARE STAGGERED AS FAR AS POSSIBLE FROM THE JOINTS OF THE OTHER PIPE.

29. WHERE DUCTILE IRON PIPE IS REQUIRED FOR WATER MAINS, IT SHALL CONFORM TO ANSI/AWWA A21.51,A MINIMUM THICKNESS OF CLASS 50 PER ANSI/AWWA SHALL BE SUPPLIED. DIP PIPE MUST BE IN CONFORMANCE WITH AWWA C150 AND C151.

30. TESTING: THE CONTRACTOR TO TEST ALL WATER MAINS AS PER THE FOLLOWING: HYDROSTATIC TEST PER AWWA-C600 (OR M23) STANDARD, AND DISINFECTION OF WATER MAIN PER AWWA-C651.

31. WATER MAINS SHALL COMPLY WITH AWWA STANDARDS. ALL WATER MAINS WITHIN THE RIGHT-OF-WAY AND EASEMENTS SHALL BE OWNED AND MAINTAINED BY CITY OF APOPKA UTILITIES. ALL 4" DIAMETER THRU 12" DIAMETER PVC WATER MAINS SHALL BE AWWA C900-DR18. ALL WATER MAINS LESS THAN 4 INCHES IN DIAMETER SHALL BE IN ACCORDANCE WITH ASTM 2241 SDR21 CLASS 200. PIPE SIZES 16" THRU 36" SHALL BE IN ACCORDANCE WITH AWWA C-905.52 ALL WATER MAINS SHALL BEAR THE NSF LOGO INDICATING APPROVAL FOR DRINKING WATER AND SHALL BE COLOR COSED OR MARKED USING BLUE AS A PREDOMINANT COLOR TO DIFFERENTIATE DRINKING WATER FROM OTHER WATER LINES.

32. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3 FEET OF COVER OVER ALL PROPOSED WATER, WASTEWATER AND RECLAIMED WATER LINES.

33. ALL FIRE HYDRANTS SHALL BE POSITIONED NO MORE THAN 5 FEET FROM THE CURB.

34. A BACKFLOW DEVICE (I.E. JUMPER CONNECTION) IS REQUIRED AT ALL ACTIVE WATER MAINS AND PROPOSED NEW WATER MAIN IMPROVEMENTS.

35. FIRE PROTECTION SHALL BE IN ACCORDANCE WITH SECTION 9.3.3 OF THE SUBDIVISION REGULATIONS AND ORDINANCE #81.19.

SEWER

36. THE FOLLOWING UTILITY PROVIDER IS LISTED FOR THE CONVENIENCE TO THE CONTRACTOR.

SEWER:

CITY OF APOPKA UTILITIES
748 EAST CLEVELAND STREET
APOPKA, FLORIDA 32703

37. UNDERGROUND GRAVITY SEWER PIPING WHICH IS NOT MANUFACTURED OF METAL OR CONCRETE PIPE SHALL BE COLOR CODED GREEN USING LIGHT STABLE COLORANTS. UNDERGROUND METAL PIPE SHALL BE COLOR CODED OR MARKED USING GREEN AS A PREDOMINANT COLOR.

38. ALL PROPOSED SANITARY LINES (EITHER GRAVITY OR PRESSURES SYSTEMS), FITTINGS, VALVES, RESTRAINTS, COUPLINGS, PIPES, AND IN GENERAL, THOSE MATERIALS REQUIRED FOR INSTALLING THE WASTEWATER DISPOSAL SYSTEM SHALL CONFORM TO CITY OF APOPKA UTILITIES WATER AND WASTEWATER DIVISION.

39. ALL GRAVITY SEWER LINES SHALL BE A MINIMUM OF 3' FROM THE CURB AT ALL LOCATIONS.

40. RECLAIMED WATER LINES, IF PROPOSED ON THESE PLANS, MAY BE EITHER PVC C900 DR25 OR DUCTILE IRON CLASS 200.

41. UNDERGROUND RECLAIMED WATER PIPING WHICH IS NOT MANUFACTURED OF METAL OR CONCRETE PIPE SHALL BE COLOR CODED PANTONE PURPLE 522C USING LIGHT STABLE COLORANTS. UNDERGROUND METAL AND CONCRETE PIPE SHALL BE COLOR CODED OR MARKED USING PURPLE AS A PREDOMINANT COLOR.

STORMWATER/EROSION CONTROL

42. THE STORMWATER SYSTEM FOR THIS PROJECT HAS BEEN DESIGNED IN ACCORDANCE WITH APPLICABLE RULES AND DESIGN STANDARDS OF THE WATER MANAGEMENT DISTRICT OR REGULATORY AGENCY WITH THE MOST STRINGENT DESIGN STANDARDS, AS REQUIRED BY THE SAINT JOHNS RIVER WATER MANAGEMENT DISTRICT AND CITY OF APOPKA, FLORIDA.

43. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPE BUFFERS, RETENTION AND DETENTION FACILITIES UNTIL THE WORK HAS BEEN ACCEPTED BY THE OWNER. ALL DISRUPTED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION.

44. ALL REINFORCED CONCRETE PIPE (R.C.P.) SHALL BE MINIMUM CLASS III. ALL HDPE WILL BE SMOOTH INTERIOR AND SHALL MEET OR EXCEED STANDARDS OF ASTMD 3350 CELL CLASSIFICATION 345464C.

45. ALL PRECAST DRAINAGE STRUCTURES TO HAVE STEEL ANGLE IRON FRAME. ALL STRUCTURES IN PAVED AREAS TO HAVE STEEL RECTILINEAR GRATES WITH H-20 LOADING.

46. THE CONTRACTOR SHALL PERFORM EROSION CONTROL MEASURES IN ACCORDANCE WITH CITY OF APOPKA STANDARDS, DETAILS CONTAINED IN THE PLANS, THE FOLLOWING NOTES, AND AS DIRECTED BY THE ENGINEER.

A. TEMPORARY EROSION CONTROL

a. STOCKPILING MATERIAL: NO EXCAVATING MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATERBODY OR STORMWATER COLLECTION FACILITY.

b. INLET PROTECTION: INLETS AND CATCH BASINS SHALL BE PROTECTED FROM SEDIMENT-LADEN STORM RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATERBODY OR STORMWATER COLLECTION FACILITY.

c. TEMPORARY SEEDING: AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPA- TED TO BE DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN THIRTY DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED, AND WILL NOT LATER COMPETE WITH THE PERMANENT GRASSING. THE RATE OF SEEDING SHALL BE 30 POUNDS PER ACRE.

d. TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN NOTE C ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA TO A DEPTH OF 4 INCHES.

e. TEMPORARY GRASSING: THE SEEDED OR THE SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED AS REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER.

f. TEMPORARY REGRASSING: IF, AFTER FOURTEEN DAYS, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75% GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATION COVER.

g. THE CONTRACTOR SHALL PLACE HAY BALES AROUND ALL EXISTING AND NEWLY CONSTRUCTED INLETS TO CONTROL EROSION DURING CONSTRUCTION.

h. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.

B. PERMANENT EROSION CONTROL

THE EROSION CONTROL FACILITIES FOR THE PROJECT SHALL BE DESIGNED TO MINIMIZE THE IMPACT ON OFF-SITE FACILITIES. ALL STORMWATER DISCHARGE FROM THE PROJECT LIMITS SHALL BE ROUTED THROUGH DETENTION BASINS TO TRAP SUSPENDED SEDIMENTS AND DISCHARGE FACILITIES FROM THESE BASINS SHALL BE PROVIDED WITH A SKIMMER DEVICE TO TRAP FLOATABLE DEBRIS.

a. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY THE CONSTRUCTION WILL, AS A MINIMUM, BE FERTILIZED AND SEEDED. THE FERTILIZER SHALL BE OF 12-8-8 PROPORTIONS AND SHALL BE UNIFORMLY SPREAD AT A RATE OF 400-500 POUNDS PER ACRE AND MIXED WITH THE SOIL TO A UNIFORM DEPTH OF FOUR INCHES. INCLUDED WITH THE FERTILIZING OPERATION, WILL BE THE APPLICATION OF AMENDMENTS, IF NECESSARY, SUCH AS DOMOMITIC LIMESTONE OR ALUMINUM SULFATE TO CORRECT THE PH FACTOR TO WITHIN THE LIMITS OF 6.0-7.0. THE GRASS SEED SHALL BE UNIFORMLY SPREAD AT THE RATE OF 100 POUNDS PER ACRE WHILE THE SOIL IS MOIST. THE GRASS SEED MIXTURE SHALL BE OF 20 PARTS BERMUDA AND 80 PARTS BAHIA, WITH THE ADDITION OF 30 PARTS RYE IN THE WINTER SEASON.

b. PERMANENT SEEDING AND MULCHING: IN ADDITION TO THE MINIMUM REQUIREMENTS OF NOTE 1. ABOVE, SLOPES OF 6:1 TO 4:1 INCLUSIVE WILL BE MULCHED WITH A UNIFORM THICKNESS OF APPROXIMATELY TWO INCHES, LOOSE MEASURE, OF MULCH MATERIAL INCORPORATED INTO THE SOIL BY MIXING TO A DEPTH OF FOUR INCHES.

c. PERMANENT SODDING: ALL RETENTION/DETENTION BASINS SHALL BE SODDED WITHIN THEIR LIMITS. ALL EXPOSED AREAS WITHIN PUBLIC RIGHT-OF-WAYS WILL BE SOLID SODDED. OTHER AREAS WITH SLOPES STEEPER THAN 4:1 WILL BE SODDED.

d. STRIP SODDING: STRIP SOD SHALL BE PLACED ADJACENT TO ALL CURBS, WALKS AND PAVEMENTS.

e. REGRASSING: ALL GRASSED AREAS WILL BE MAINTAINED TO ASSURE A GOOD STAND AND SUFFICIENT GROUND COVER TO MINIMIZE EROSION. IF, AFTER 60 DAYS AN ADEQUATE GROUND COVER HAS NOT BEEN ESTABLISHED, THE AREA WILL BE REGRASSED.

f. ADDITIONAL FERTILIZATION: GRASSED AREAS NOT ACCEPTED WITHIN 90 DAYS OF THEIR COMPLETION SHALL BE FERTILIZED AT AN APPLICATION RATE OF 250 POUNDS PER ACRE.

47. ALL PUBLIC STORM DRAINAGE PIPES MUST BE WRAPPED AT THE JOINT WITH FILTER FABRIC.

48. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL RETENTION AND DETENTION FACILITIES AND ALL LANDSCAPE BUFFERS, THROUGH THE DURATION OF THE PROJECT, AND UNTIL THE WORK IS ACCEPTED BY THE OWNER. ALL DISRUPTED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION.

49. ROADWAY AND DRAINAGE DESIGN PER CURRENT CITY OF APOPKA AND FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.

50. UTILITY (SEWER AND WATER) DESIGN PER CURRENT CITY OF APOPKA UTILITIES STANDARDS AND SPECIFICATIONS.

51. THE CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC PLAN TO CITY OF APOPKA AND OBTAIN PLAN APPROVAL PRIOR TO CONSTRUCTION.

52. AIR RELEASE VALVES SHALL BE REQUIRED AT ALL HIGH POINTS ON PROPOSED FORCEMAINS, RECLAIMED WATER MAINS AND POTABLE WATER MAINS.

53. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING IN PROXIMITY OF WATER MAINS, WASTEWATER FORCE MAINS, GRAVITY MAINS AND RECLAIMED WATER MAINS. MAIN LOCATIONS SHOWN ON PLANS ARE NOT EXACT OR GUARANTEED. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING UTILITY LOCATIONS.

54. THE UTILITIES DISPATCH OPERATOR SHALL BE NOTIFIED BY THE CONTRACTOR FOR PIPE EMERGENCIES.

55. UTILITIES ENGINEERING AND CONSTRUCTION DIVISION: 407-703-1731.

56. ALL EXISTING WATER, FORCE, GRAVITY AND RECLAIMED WATER MAINS AND OTHER FACILITIES WITHIN THE LIMITS OF THE PROJECT SHALL BE SUPPORTED AND PROTECTED AGAINST DAMAGE DURING CONSTRUCTION.

57. CONTRACTOR SHALL ADJUST VALVE BOXES, AIR RELEASE VALVES, FIRE HYDRANTS, MANHOLE COVERS, ETC IN CONFLICT WITH ROADWAY.

58. THE CONTRACTOR, AT THE CONTRACTOR'S EXPENSE, SHALL IMMEDIATELY REPAIR ALL DAMAGES TO UTILITIES' MAINS AND FACILITIES. IF THE REPAIR IS NOT MADE IN A TIMELY MANNER, AS DETERMINED BY UTILITIES, UTILITIES MAY PERFORM REQUIRED REPAIRS AND CLEANUP. THE CONTRACTOR WILL BE CHARGED FOR ALL EXPENSES ASSOCIATED WITH THE REPAIR.

59. UTILITIES CONSTRUCTION DIVISION SHALL BE NOTIFIED AT LEAST SEVEN (7) DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY WITHIN PROXIMITY OF ANY UTILITIES.

60. ONLY UTILITIES SHALL OPERATE WATER, WASTEWATER, AND RECLAIMED WATER VALVES. COORDINATE VALVE OPERATION WITH APPROPRIATE UTILITIES INSPECTOR.

61. THE CONTRACTOR SHALL COORDINATE ALL PUMP STATION OPERATION AND SHUT DOWN CONTROL WITH A UTILITIES INSPECTOR. THE CONTRACTOR SHALL PROVIDE FOR BYPASSING AND/OR HAULING OF WASTEWATER DURING THE INTERRUPTION OF FLOWS AND CONNECTIONS WITH EXISTING WASTEWATER SYSTEMS.

62. ALL NEW VALVES BEING INSTALLED SHALL REMAIN CLOSED DURING CONSTRUCTION. KEEP VALVES ON ALL WET TAPS CLOSED UNTIL CLEARED BY FDEP. DO NOT CONNECT ANY PROPOSED WATER MAIN TO ANY EXISTING WATER MAIN UNLESS CLEARED BY FDEP AND UTILITIES.

63. THE UTILITY IMPROVEMENTS AND ADJUSTMENTS SHOWN ON THESE PLANS ARE INTENDED TO MAINTAIN THE INTEGRITY OF THE CITY OF APOPKA WATER, WASTEWATER AND RECLAIMED WATER SYSTEMS. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MANUAL. THE PLANS DO NOT INCLUDE WORK PERFORMED ON OR FOR UTILITY SYSTEMS OWNED BY OTHERS UNLESS STATED OTHERWISE ON THE PLANS.

64. ALL EXISTING AND NEW CITY OF APOPKA UTILITIES VALVES, VALVE BOXES, AND MANHOLES SHALL BE PROTECTED AND ADJUSTED TO FINISHED GRADE AS SHOWN ON THE DRAWINGS. ALL EXISTING ABOVE GROUND VALVES TO BE RELOCATED, AS REQUIRED.

65. MAKE TEMPORARY CONNECTIONS TO AN EXISTING POTABLE WATER SOURCE; FLUSH OUT NEW WATER MAIN WITH POTABLE WATER (USE "JUMPER" ASSEMBLY WITH BACKFLOW PREVENTER TO MAKE TEMPORARY CONNECTIONS TO AN EXISTING WATER SOURCE).

66. PRESSURE PIPE LENGTHS DO NOT INCLUDE BENDS, AIR RELEASE VALVES OR FIRE HYDRANT ASSEMBLIES.

67. THE CONTRACTOR IS RESPONSIBLE FOR MEETING THE REQUIREMENTS OF EPA AND FDEP AS IT RELATES TO THE NPDES NOTES INCLUDING THE POLLUTION DISCHARGE CONTROL.

68. AN EROSION CONTROL PLAN WILL BE APPROVED BY THE CITY ENGINEER PRIOR TO THE PRE-CONSTRU

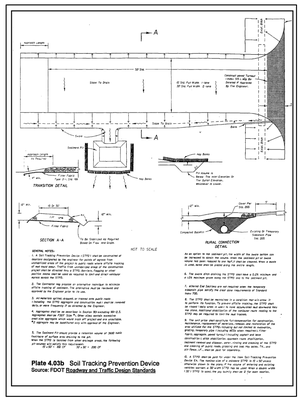
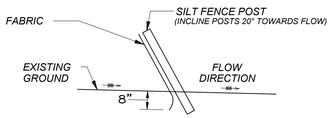


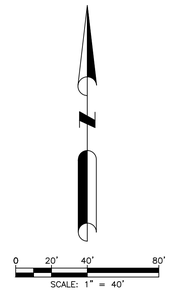
Plate 4.03b Soil Tracking Prevention Device
Source: FDOT Roadway and Traffic Design Standards

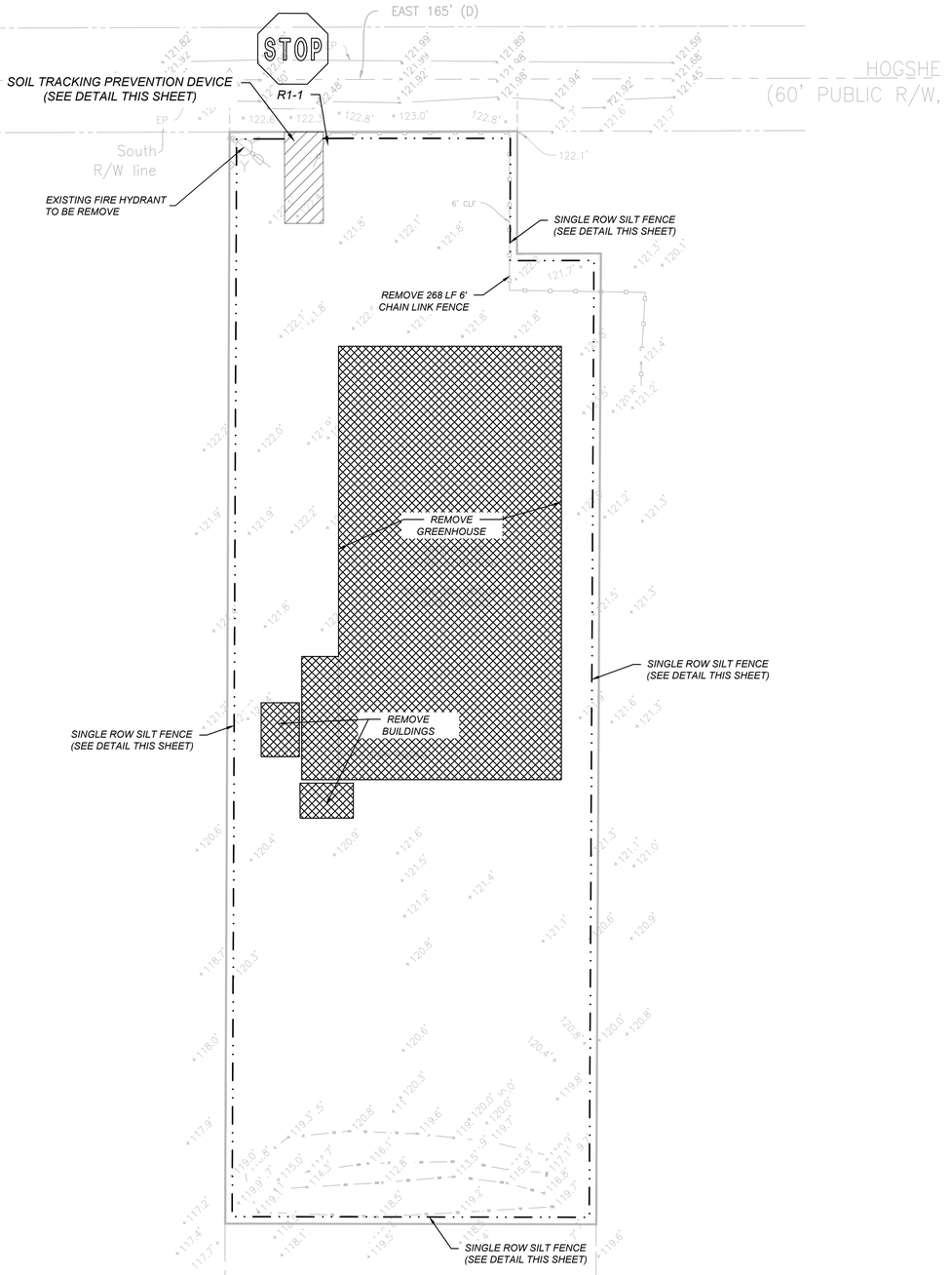
SOIL TRACKING PREVENTION DEVICE
N.T.S.



FDOT APPROVED TEMPORARY SILT FENCE PRE-ASSEMBLED IN 100' ROLLS UTILIZING 2" X 2" X 4' WOODEN POSTS @ 8' C/C MAX. w/3' OF WOVEN GEOTEXTILE MATERIAL MEETING THE REQUIREMENTS OF SEC. 985-4, SIMILAR & EQUAL TO THAT SUPPLIED BY FIFEPIPE CO. OF TAMPA FLA.

TYPICAL SINGLE SILT FENCE DETAIL
N.T.S.





EROSION AND SEDIMENT CONTROL NOTES

1. CONTRACTOR TO ENSURE SILT FENCING, SEDIMENT BASINS, CONSTRUCTION ENTRANCE ARE INSTALLED ON SITE PRIOR TO ANY LAND DISTURBANCE, CLEARING AND MASS GRADING ACTIVITIES.
2. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.
3. ADDITIONAL ON-SITE EROSION PROTECTION, TO THAT SHOWN ON THESE PLANS, MUST BE PROVIDED TO ENSURE SILT OR DUST DOES NOT LEAVE THE PROJECT CONFINES DUE TO UNSEEN CONDITIONS OR ACCIDENTS.
4. SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN SYSTEM, DITCH, OR CHANNEL. ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
5. CONTRACTOR SHALL INSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC. ARE CLEANED OUT, PLUGGED WHEN REQUIRED AND IN WORKING ORDER AT TIME OF ACCEPTANCE.
6. SILT FENCES, FILTER BARRIERS, ETC. SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
7. PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED. THE CONTRACTOR SHALL BE CONTINUALLY RESPONSIBLE FOR ALL SEDIMENT (WATER OR AIR BORN) LEAVING THE PROPERTY. SEDIMENT CONTROL MEASURES SHALL BE IN GOOD WORKING CONDITION AT THE END OF EACH WORKING DAY.
8. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
9. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE- THIRD THE HEIGHT OF THE BARRIER.
10. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.
11. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS WHERE THERE IS POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION.
12. ALL DISTURBED AREAS SHALL BE GRASSED, FERTILIZED, MULCHED AND MAINTAINED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED.
13. SOD SHALL BE PLACED IN AREAS WHICH MAY REQUIRE IMMEDIATE EROSION PROTECTION TO ENSURE WATER QUALITY STANDARDS ARE MAINTAINED.
14. ANY DISCHARGE FROM DEWATERING ACTIVITY SHALL BE FILTERED AND CONVEYED TO THE OUTFALL IN A MANNER WHICH PREVENTS EROSION AND TRANSPORTATION OF SUSPENDED SOLIDS TO THE RECEIVING OUTFALL.
15. DEWATERING PUMPS SHALL NOT EXCEED THE CAPACITY OF THAT WHICH REQUIRES A CONSUMPTIVE USE PERMIT FROM THE ST. JOHN'S RIVER WATER MANAGEMENT DISTRICT (SJRWMD).
16. ALL DISTURBED AREAS TO BE STABILIZED THROUGH COMPACTION , VEGETATION AND/OR GRASS SOD. ALL FILL SLOPES 3:1 OR STEEPER TO RECEIVE STAKED SOLID GRASS SOD.
17. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCK PILES SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.
18. ALL EROSION, AND SEDIMENT CONTROL TO REMAIN IN PLACE AFTER COMPLETION OF CONSTRUCTION AND REMOVED ONLY WHEN AREAS HAVE BEEN STABILIZED.
19. THESE PLANS INDICATES THE MINIMUM EROSION AND SEDIMENT MEASURES REQUIRED FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE RULES, REGULATIONS AND WATER QUALITY GUIDELINES AND MAY NEED TO INSTALL ADDITIONAL CONTROLS.
20. THE CONTRACTOR SHALL BE REQUIRED TO RESPOND TO ALL CITY, WATER MANAGEMENT DISTRICTAND/OR FDEP INQUIRIES, RELATIVE TO COMPLIANCE OF EROSION AND SEDIMENTATION CONTROLS. THE COST OF THIS COMPLIANCE SHALL BE PART OF THE CONTRACT. COPIES OF ALL INQUIRES SHALL BE FORWARDED TO THE ENGINEER FOR REVIEW.
21. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST EROSION AND SEDIMENT CONTROL PRACTICES AS OUTLINED IN THE PLANS, SPECIFICATIONS, ST. JOHN'S RIVER WATER MANAGEMENT DISTRICT (SJRWMD) AND FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) SPECIFICATIONS AND CRITERIA.
22. CONTRACTOR TO REFER TO THE PROJECT SWPPP FOR ADDITIONAL INFORMATION ON EROSION CONTROL MEASURE.
23. FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO "THE FLORIDA DEVELOPMENT MANUAL - A GUIDE TO SOUND LAND AND WATER MANAGEMENT" FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) CHAPTER 6.
24. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AS FOLLOWS;
    A. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
    B. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF ITS USE, IT SHALL BE REPLACED PROMPTLY.
    C. SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT.
    D. ANY SEDIMENT DEPOSITS LEFT IN PLACE AFTER THE SILT FENCE IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE FINISHED GRADE, PREPARED AND SEEDED.

LEGEND

SINGLE ROW SILT FENCE
DUST ABATEMENT FENCE
DEMOLITION

DAVE SCHMITT ENGINEERING, INC.
12301 LAKE UNDERHILL ROAD
SUITE 241
ORLANDO, FL 32828
407-207-9088 FAX 407-207-9089
Certification of Authorization #27471

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

EROSION CONTROL & DEMO PLAN
3716 HOGSHEAD ROAD
APOPKA, FLORIDA

DATE: FEBRUARY 2022
PROJECT NO.: SAC-2
DRAWN BY: JSK
CHECKED BY: DMS
SCALE: 1" = 40'
SHEET: 03 OF 12

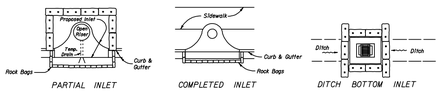
F:\SAC2\CAD\Planset\Final\2023-04-14 FINAL PLAN REV 1\03 EROSION CONTROL & DEMO PLAN.dwg,4/27/2023 12:26:23 PM

STORM WATER POLLUTION PREVENTION PLAN

EROSION AND SEDIMENT CONTROL NOTES

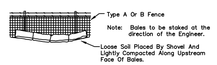
1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM SITE IF NOT REUSABLE ON-SITE AND ASSURING PLAN ALIGNMENT AND GRADE IN ALL DITCHES AND SWALES AT COMPLETION OF CONSTRUCTION.
2. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.
3. ADDITIONAL PROTECTION - ON-SITE PROTECTION IN ADDITION TO THE ABOVE MUST BE PROVIDED THAT WILL NOT PERMIT SILT TO LEAVE THE PROJECT CONFINES DUE TO UNSEEN CONDITIONS OR ACCIDENTS.
4. CONTRACTOR SHALL INSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC. ARE CLEANED OUT AND WORKING PROPERLY AT TIME OF ACCEPTANCE.
5. WIRE MESH SHALL BE LAID OVER THE DROP INLET SO THAT THE WIRE EXTENDS A MINIMUM OF 1 FOOT BEYOND EACH SIDE OF THE INLET STRUCTURE. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2-INCH OPENINGS SHALL BE USED. IF MORE THAN ONE STRIP OF MESH IS NECESSARY, THE STRIPS SHALL BE OVERLAPPED.
6. FDOT NO. 1 COARSE AGGREGATE SHALL BE PLACED OVER THE WIRE MESH AS INDICATED IN D-903. THE DEPTH OF STONE SHALL BE AT LEAST 12 INCHES OVER THE ENTIRE INLET OPENING. THE STONE SHALL EXTEND BEYOND THE INLET OPENING AT LEAST 18 INCHES ON ALL SIDES.
7. IF THE STONE FILTER BECOMES CLOGGED WITH SEDIMENT SO THAT IT NO LONGER ADEQUATELY PERFORMS ITS FUNCTION, THE STONES MUST BE PULLED AWAY FROM THE INLET, CLEANED AND REPLACED.
8. SYNTHETIC BALES SHALL BE EITHER WIRE-BOUND OR STRING-TIED WITH THE BINDINGS ORIENTED AROUND THE SIDES RATHER THAN OVER AND UNDER THE BALES.
9. SYNTHETIC BALES SHALL BE PLACED LENGTHWISE IN A SINGLE ROW SURROUNDING THE INLET, WITH THE ENDS OF ADJACENT BALES PRESSED TOGETHER.
10. THE FILTER BARRIER SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 8 INCHES AFTER THE SYNTHETIC BALES ARE STAKED. THE EXCAVATED SOIL SHALL BE BACKFILLED AND COMPACTED AGAINST THE FILTER BARRIER.
11. EACH SYNTHETIC BALE SHALL BE SECURELY ANCHORED AND HELD IN PLACE BY AT LEAST TWO STAKES OR REBAR DRIVEN THROUGH THE BALE.
12. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SYNTHETIC BALES, END RUNS AND UNDERCUTTING BENEATH BALES.
13. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF SYNTHETIC BALES SHALL BE ACCOMPLISHED PROMPTLY.
14. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SYNTHETIC BALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
15. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
16. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
17. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-THIRD THE HEIGHT OF THE BARRIER.
18. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.
19. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
20. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/3 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
21. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE BEST EROSION AND SEDIMENT CONTROL PRACTICES AS OUTLINED IN THE PLANS, SPECIFICATIONS AND ST. JOHN'S RIVER WATER MANAGEMENT DISTRICT SPECIFICATIONS AND CRITERIA.
22. FOR ADDITIONAL INFORMATION ON SEDIMENT AND EROSION CONTROL REFER TO "THE FLORIDA DEVELOPMENT MANUAL - A GUIDE TO SOUND LAND AND WATER MANAGEMENT" FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (F.D.E.P.) CHAPTER 6.
23. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS WHERE THERE IS POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION. SEE DETAIL SHEET FOR TYPICAL CONSTRUCTION.
24. ALL DISTURBED AREAS SHALL BE GRASSED, FERTILIZED, MULCHED AND MAINTAINED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED.
25. SOD SHALL BE PLACED IN AREAS WHICH MAY REQUIRE IMMEDIATE EROSION PROTECTION TO ENSURE WATER QUALITY STANDARDS ARE MAINTAINED.
26. ANY DISCHARGE FROM DEWATERING ACTIVITY SHALL BE FILTERED AND CONVEYED TO THE OUTFALL IN A MANNER WHICH PREVENTS EROSION AND TRANSPORTATION OF SUSPENDED SOLIDS TO THE RECEIVING OUTFALL.
27. DEWATERING PUMPS SHALL NOT EXCEED THE CAPACITY OF THAT WHICH REQUIRES A CONSUMPTIVE USE PERMIT FROM THE ST. JOHN'S RIVER WATER MANAGEMENT DISTRICT.
28. ALL DISTURBED AREAS TO BE STABILIZED THROUGH COMPACTION, SILT SCREENS, SYNTHETIC HAY BALES, AND GRASSING. ALL FILL SLOPES 3:1 OR STEEPER TO RECEIVE STAKED SOLID SOD.
29. ALL DEWATERING, EROSION, AND SEDIMENT CONTROL TO REMAIN IN PLACE AFTER COMPLETION OF CONSTRUCTION AND REMOVED ONLY WHEN AREAS HAVE STABILIZED.
30. THIS PLAN INDICATES THE MINIMUM EROSION AND SEDIMENT MEASURES REQUIRED FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE RULES, REGULATIONS AND WATER QUALITY GUIDELINES AND MAY NEED TO INSTALL ADDITIONAL CONTROLS.
31. THE CONTRACTOR SHALL BE REQUIRED TO RESPOND TO ALL WATER MANAGEMENT DISTRICT INQUIRIES, RELATIVE TO COMPLIANCE OF SJRWMD FOR EROSION AND SEDIMENTATION CONTROL. THE COST OF THIS COMPLIANCE SHALL BE PART OF THE CONTRACT.

NOTE:
WHEN F.D.O.T. SPECIFICATIONS AND INDEXES ARE REFERENCED, PLEASE REFER TO THE LATEST F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS AND F.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

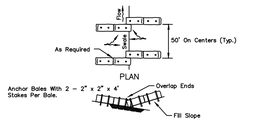


PARTIAL INLET — COMPLETED INLET — DITCH BOTTOM INLET

PROTECTION AROUND INLETS OR SIMILAR STRUCTURES



SYNTHETIC BALES BACKED BY FENCE



TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE

TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES AWAY FROM THE TOE OF SLOPE

BARRIERS FOR FILL SLOPES

SYNTHETIC HAY BALE PLACEMENT

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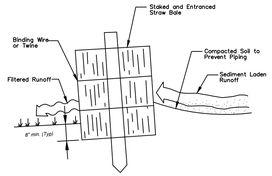

CROSS-SECTION OF A PROPERLY INSTALLED STRAW BALE

STAKED SYNTHETIC HAY BALE

(D-911)
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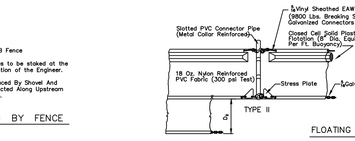
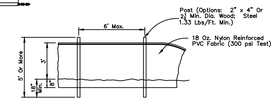


FLOATING TURBIDITY BARRIERS

NOTICE:
COMPONENTS OF TYPES I & TYPE II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

NOTES:
1. Turbidity barriers are to be used in all permanent bodies of water regardless of water depth.
2. Number and spacing of anchors dependent on current velocities.
3. Deployment of barrier around pile locations may vary to accommodate construction operations.
4. Navigation may require segmenting barrier during construction operations.
5. For additional information see Section 104 of the FDOT Standard Specifications.

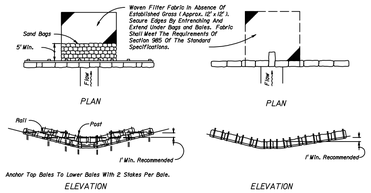


STAKED TURBIDITY BARRIER

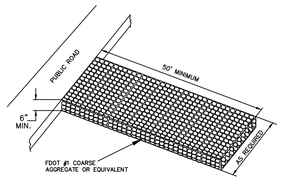
TURBIDITY BARRIERS

N.T.S.

Note:
Turbidity barriers for flowing streams and tidal creeks may be either floating, or staked types or any combinations of types that will suit site conditions and meet erosion control and water quality requirements. The barrier type(s) will be at the Contractors option unless otherwise specified in the plans, however, payment will be under the contract lump sum price established in the bid proposal for Erosion and Sediment Control Posts in staked turbidity barriers to be installed in vertical position unless otherwise directed by the Engineer.

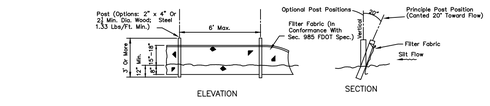


BARRIER FOR UNPAVED DITCHES

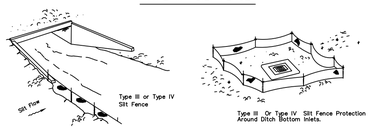


STABILIZED CONSTRUCTION ENTRANCE

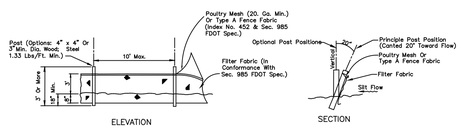
N.T.S.



TYPE III SILT FENCE

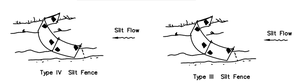


Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water.



Note: Silt Fence to be paid for under the contract lump sum price for Erosion and Sediment Control.

TYPE IV SILT FENCE

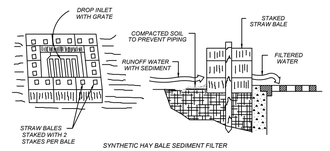


Note: Spacing for Type III & TYPE IV Fence to be in accordance with Chart 1, Sheet 1 of 3, FDOT Index No. 102 and ditch installations at drainage structures Sheet 2 of 3, FDOT Index No. 102.

SILT FENCE APPLICATIONS

SILT FENCE TYPE III & IV

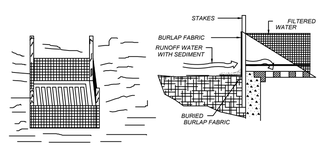
N.T.S.



SYNTHETIC HAY BALE SEDIMENT FILTER

SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5 PERCENT) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 cfs) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.



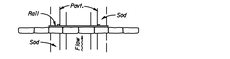
FABRIC SEDIMENT FILTER

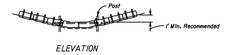
SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5 PERCENT) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 cfs) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

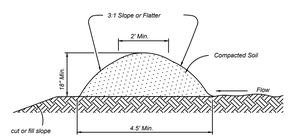
DROP INLET SEDIMENT TRAP

N.T.S.





BARRIER FOR PAVED DITCH



DIVERSION DIKE

N.T.S.

DAVE SCHMITT ENGINEERING, INC.
12301 LAKE UNDERHELL ROAD
SUITE 241
ORLANDO, FL 32828
407-207-9088 FAX 407-207-9089
Certification of Authorization #27471

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

EROSION CONTROL DETAILS

3716 HOGSHEAD ROAD
APOPKA, FLORIDA

DATE: FEBRUARY 2022
PROJECT NO.: SAC-2
DRAWN BY: JSK
CHECKED BY: DMS
SCALE: NONE
SHEET: 04 OF 12

F:\SAC2\CAD\Planset\Final\2023-04-14 FINAL PLAN REV 1\04 EROSION CONTROL DETAILS.dwg,3/9/2023 10:16:43 AM

STORM WATER POLLUTION PREVENTION PLAN GENERAL REQUIREMENTS

OWNER'S REQUIREMENTS

SITE DESCRIPTION

PROJECT NAME AND LOCATION:
3716 HOGSHEAD ROAD
APOPKA, FLORIDA

OWNER NAME AND ADDRESS:
LAUREL BODEGA, LLC
621 WILKES AVENUE
ORLANDO, FLORIDA 32809
CONTACT: SHAWN CASEY
PHONE: 407-497-9033

DESCRIPTION:
THIS PROJECT INCLUDES GRADING, DRAINAGE, UTILITIES, AND LANDSCAPING FOR A LIGHT INDUSTRIAL BUILDING.

SOIL DISTURBING ACTIVITIES WILL INCLUDE:
SOIL DISTURBING ACTIVITIES WILL INCLUDE:
CLEARING AND GRUBBING, EARTHWORK, GRADING, STORM SEWER, UTILITIES, PAVEMENT, AND PREPARATION FOR FINAL PLANTING

RUNOFF CURVE NUMBERS:
1. PRE-CONSTRUCTION = SEE DRAINAGE CALCULATION NOTEBOOK
2. POST-CONSTRUCTION = SEE DRAINAGE CALCULATION NOTEBOOK

SOILS:
SEE SOIL BORING REPORT FOR SOILS DATA

SITE MAPS:
* SEE ATTACHED GRADING PLAN FOR PRE & POST DEVELOPMENT GRADES, AREAS OF SOILS, DISTURBANCE, LOCATION OF SURFACE WATERS, WETLANDS, PROTECTED AREAS, MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS AND STORM WATER DISCHARGE POINTS.
* SEE ATTACHED EROSION & TURBIDITY CONTROL PLAN FOR LOCATION OF TEMPORARY STABILIZATION PRACTICES, AND TURBIDITY BARRIERS
* SEE GENERAL NOTES FOR REQUIREMENTS FOR TEMPORARY AND PERMANENT STABILIZATION.

SITE AREA:
1. TOTAL AREA OF SITE = 2.99 AC.

NAME OF RECEIVING WATERS:
PROPOSED POND
LATITUDE: 28° 41' 34.44" N
LONGITUDE: 81° 34' 14.90" W

1. ANTICIPATED START DATE OF CONSTRUCTION: 06 / 2023
2. ANTICIPATED END DATE OF CONSTRUCTION: 06 / 2024

(CONSTRUCTION DATES ARE TO BE FILLED IN PRIOR TO COMMENCEMENT OF CONSTRUCTION)

CONTROLS

THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUN OFF. AN EROSION AND TURBIDITY PLAN HAS BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT OF THESE CONTROLS. IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL AND MAINTAIN THE CONTROLS PER PLAN AS WELL AS ENSURING THE PLAN IS PROVIDING THE PROPER PROTECTION AS REQUIRED BY FEDERAL, STATE AND LOCAL LAWS. REFER TO "CONTRACTORS RESPONSIBILITY" FOR A VERBAL DESCRIPTION OF THE CONTROLS THAT MAY BE IMPLEMENTED.

STORM WATER MANAGEMENT

STORM WATER DRAINAGE WILL BE PROVIDED BY (DESCRIPTION) A SERIES OF PIPES AND INLETS CONVEYING RUNOFF TO THE EXISTING STORM WATER RETENTION POND FOR THE PROJECT. AREAS WHICH ARE NOT TO BE CONSTRUCTED ON, BUT WILL BE REGRADED SHALL BE STABILIZED IMMEDIATELY AFTER GRADING IS COMPLETE, WHEN CONSTRUCTION IS COMPLETE, A TOTAL OF 2.99 ACRES WILL HAVE BEEN REGRADED. THE SITE DISCHARGES TO A DRY DETENTION SYSTEM. WHERE PRACTICAL, TEMPORARY SEDIMENT BASINS WILL BE USED TO INTERCEPT SEDIMENT BEFORE ENTERING THE PERMANENT DETENTION BASIN.

TIMING OF CONTROLS/MEASURES

REFER TO "CONTRACTORS REQUIREMENTS" FOR THE TIMING OF CONTROL/MEASURES.

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS RELATED TO STORM WATER MANAGEMENT AND EROSION AND TURBIDITY CONTROLS, THE FOLLOWING PERMITS HAVE BEEN OBTAINED (TO BE FILLED IN PRIOR TO COMMENCEMENT OF CONSTRUCTION).

F.D.E.P. DREDGE/FILL PERMIT # _____
A.C.O.E. DREDGE/FILL PERMIT # _____
S.J.R.W.M.D. M.S.S.W. PERMIT # _____
N.P.D.E.S PERMIT # _____

POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNED: _____
OWNER/OPERATOR

DATED: _____

CONTRACTOR'S REQUIREMENTS

GENERAL

THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN. IN ADDITION THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS. DEPENDING ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION THE CONTRACTOR MAY BE REQUIRED TO ADD FLOCCULANTS TO THE RETENTION SYSTEM PRIOR TO PLACING THE SYSTEM INTO OPERATION.

SEQUENCE OF MAJOR ACTIVITIES:

THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE
2. INSTALL SILT FENCES AND HAY BALES AS REQUIRED
3. CLEAR AND GRUB FOR DIVERSION SWALES/DIKES AND SEDIMENT BASIN
4. CONSTRUCT SEDIMENTATION BASIN
5. CONTINUE CLEARING AND GRUBBING
6. STOCK PILE TOP SOIL IF REQUIRED
7. PERFORM PRELIMINARY GRADING ON SITE AS REQUIRED
8. STABILIZE DENUDED AREAS AND STOCKPILES AS SOON AS PRACTICABLE
9. INSTALL UTILITIES, STORM SEWER, CURBS & GUTTER.
10. APPLY BASE TO PROJECT
11. COMPLETE GRADING AND INSTALL PERMANENT SEEDING/SOD AND PLANTING
12. COMPLETE FINAL PAVING
13. REMOVE ACCUMULATED SEDIMENT FROM BASINS
14. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY DIVERSION SWALES/DIKES AND RESEED/SOD AS REQUIRED

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES. THE SILT FENCES AND HAY BALES, STABILIZED CONSTRUCTION ENTRANCE AND SEDIMENT BASIN WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED PERMANENTLY IN ACCORDANCE WITH THE PLANS. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE SEDIMENT TRAPS AND THE EARTH DIKE/SWALES WILL BE REGRADED/REMOVED AND STABILIZED IN ACCORDANCE WITH THE EROSION & TURBIDITY CONTROL PLAN.

CONTROLS

IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT THE EROSION AND TURBIDITY CONTROLS AS SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED, MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE. THE CONTRACTOR WILL ADJUST THE EROSION AND TURBIDITY CONTROLS SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRES TO ENSURE THE SITE MEETS ALL FEDERAL, STATE AND LOCAL EROSION AND TURBIDITY CONTROL REQUIREMENTS. THE FOLLOWING BEST MANAGEMENT PRACTICES WILL BE IMPLEMENTED BY THE CONTRACTOR AS REQUIRED BY THE EROSION AND TURBIDITY CONTROL PLAN AND AS REQUIRED TO MEET THE EROSION AND TURBIDITY REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY AGENCIES.

EROSION AND SEDIMENT CONTROLS
STABILIZATION PRACTICES

1. SYNTHETIC HAY BALE BARRIER: SYNTHETIC HAY BALE BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS.
   A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
   B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.
   C. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS.
   D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF BALE BARRIERS CONSTRUCTED IN LIVE STREAMS OR IN SWALES WHERE THERE IS THE POSSIBILITY OF A WASHOUT. IF NECESSARY, MEASURES SHALL BE TAKEN TO PROPERLY ANCHOR BALES TO INSURE AGAINST WASHOUT.
2. FILTER FABRIC BARRIER: FILTER FABRIC BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATION:
   WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
3. BRUSH BARRIER WITH FILTER FABRIC: BRUSH BARRIER MAY BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WHERE ENOUGH RESIDUE MATERIAL IS AVAILABLE ON SITE.
4. LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENT-FREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS. THIS PRACTICE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL LIP IS STABILIZED. THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE AFTER RELEASE.

CONTROLS CONT'D.

5. STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORM WATER COLLECTION FACILITY.
6. EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL NOT EXCEED 10 ACRES. THIS REQUIREMENT MAY BE WAIVED FOR LARGE PROJECTS WITH AN EROSION CONTROL PLAN WHICH DEMONSTRATES THAT OPENING OF ADDITIONAL AREAS WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENTS.
7. INLET PROTECTION: INLETS AND CATCH BASINS WHICH DISCHARGE DIRECTLY OFF-SITE SHALL BE PROTECTED FROM SEDIMENT-LADEN STORM RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.
8. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE, BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED.
9. TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN PARAGRAPH 6 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH.
10. TEMPORARY GRASSING: THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED OR HYDROMULCHED OR OTHER SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER. TEMPORARY GRASSING SHALL BE THE SAME MIX & AMOUNT REQUIRED FOR PERMANENT GRASSING IN THE CONTRACT SPECIFICATIONS.
11. TEMPORARY REGRASSING : IF, AFTER 14 DAYS FROM SEEDING, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 85 PERCENT UNIFORM GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER.
12. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.
13. PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.
14. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SEEDED. THE SEEDING MIX MUST PROVIDE BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION. SLOPES STEEPER THAN 4:1 SHALL BE SEEDED AND MULCHED OR SODDED.

STRUCTURAL PRACTICES

1. TEMPORARY DIVERSION DIKE: TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY.
2. TEMPORARY SEDIMENT TRAP: A SEDIMENT TRAP SHALL BE INSTALLED IN AN DRAINAGEWAY AT A STORM DRAIN INLET OR AT OTHER POINTS OF DISCHARGE FROM A DISTURBED AREA.
   THE FOLLOWING SEDIMENT TRAPS MAY BE CONSTRUCTED EITHER INDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION DIKE:
   A. BLOCK & GRAVEL SEDIMENT FILTER - THIS PROTECTION IS APPLICABLE WHERE HEAVY FLOWS AND/OR WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE POUNDING AROUND THE STRUCTURE.
   B. GRAVEL SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE POUNDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES & UNPROTECTED AREAS.
   C. DROP INLET SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (S < 5%) AND WHERE SHEET OR OVERLAND FLOWS (Q < 0.5 CFS) ARE TYPICAL. THIS METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS SUCH AS IN STREET OR HIGHWAY MEDIANS.
3. OUTLET PROTECTION: APPLICABLE TO THE OUTLETS OF ALL PIPES AND PAVED CHANNEL SECTIONS WHERE THE FLOW COULD CAUSE EROSION & SEDIMENT PROBLEM TO THE RECEIVING WATER BODY. SILT FENCES & SYNTHETIC HAY BALES ARE TO BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE DISCHARGING STRUCTURE AS SHOWN ON THE OUTLET PROTECTION DETAIL.
4. SEDIMENT BASIN: WILL BE CONSTRUCTED AT THE COMMON DRAINAGE LOCATIONS THAT SERVE AN AREA WITH 10 OR MORE DISTURBED ACRES AT ONE TIME. THE PROPOSED STORM WATER PONDS (OR TEMPORARY PONDS) WILL BE CONSTRUCTED FOR USE AS SEDIMENT BASINS. THESE SEDIMENT BASINS MUST PROVIDE A MINIMUM OF 3,600 CUBIC FEET OF STORAGE PER ACRE DRAINED UNTIL FINAL STABILIZATION OF THE SITE.

NOTE:
THE 3,600 CUBIC FEET OF STORAGE AREA PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFFSITE AREAS AND FLOWS FROM ONSITE AREAS THAT ARE EITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN. ANY TEMPORARY SEDIMENT BASINS CONSTRUCTED MUST BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL FILL. ALL SEDIMENT COLLECTED IN PERMANENT OR TEMPORARY SEDIMENT TRAPS MUST BE REMOVED UPON FINAL STABILIZATION.

OTHER CONTROLS

WASTE DISPOSAL

ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. THE DUMPSTER WILL BE EMPTIED AS NEEDED AND THE TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE CONSTRUCTION SUPERINTENDENT. THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTE

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE SITE SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS,WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE

ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO PREVENT POSSIBLE SPILLAGE. THE WASTE WILL BE COLLECTED AND DEPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS.

OFFSITE VEHICLE TRACKING

A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEPT DAILY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN. OFFSITE VEHICLE TRACKING SHALL BE CONDUCTED DAILY OR MORE FREQUENTLY AS NEEDED.

INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:

☐ Concrete	☐ Fertilizers	☐ Wood
☐ Asphalt	☐ Petroleum Based Products	☐ Masonry Blocks
☐ Tar	☐ Cleaning Solvents	☐ Roofing Materials
☐ Detergents	☐ Paints	☐ Metal Studs
☐ _____	☐ _____	☐ _____

SPILL PREVENTION

MATERIAL MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF:

GOOD HOUSEKEEPING

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT:

* AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
* ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
* PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
* SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
* WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
* MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
* THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL.

HAZARDOUS PRODUCTS

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

* PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
* ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
* IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

SPILL PREVENTION CONT'D.

PRODUCT SPECIFIC PRACTICES
THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

PETROLEUM PRODUCTS

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED AREA. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS

WASHING OF VEHICLES SHOULD BE CONDUCTED USING PRACTICES THAT WILL PREVENT DIRECT, UNTREATED DISCHARGES OF WASTEWATER AND HAZARDOUS WASTES TO SURFACE AND GROUND WATERS. A DESIGNATED AREA MUST BE CREATED SPECIFICALLY FOR WASHING VEHICLES THAT WILL BE LAID WITH FILTER FABRIC, CRUSHED STONE (DOT GRAVEL #2 AND UP) AND COVERED WITH LINED BERM.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, LIQUID ABSORBENT (i.e. KITTY LITTER OR EQUAL), SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE OF THE SPILL. (800) 320-0519

THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE/SHE WILL DESIGNATE AT LEAST ONE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IF APPLICABLE, IN THE OFFICE TRAILER ONSITE.

MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES

THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.

* NO MORE THAN 10 ACRES OF THE SITE WILL BE DENUDED AT ONE TIME WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
* ALL CONTROL MEASURES WILL BE INSPECTED BY THE SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY TO DAY SITE OPERATION OR SOMEONE APPOINTED BY THE SUPERINTENDENT, AT LEAST ONCE A WEEK AND FOLLOWING ANY STORM EVENT OF 0.5 INCHES OR GREATER.
* ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF A 0.5 INCH RAIN EVENT.
* BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.
* SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.
* DIVERSION DIKES/SWALES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.

MAINT./INSP. PROCEDURES CONT'D.

* INSPECTIONS SHALL BE CONDUCTED AT A MINIMUM OF EVERY 7 DAYS OR WITHIN 24 HOURS OF A 0.5" RAIN EVENT.
* THE SEDIMENT BASINS WILL BE INSPECTED FOR THE DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB, WHICHEVER COMES FIRST.
* TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
* A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. A COPY OF THE REPORT FORM TO BE COMPLETED BY THE INSPECTOR IS ATTACHED.
  THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE OR LOCAL AGENCY APPROVING SEDIMENT AND AND EROSION PLANS, OR STORM WATER MANAGEMENT PLANS.
  THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF TERMINATION IS SUBMITTED THE REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.
* THE SITE SUPERINTENDENT WILL SELECT UP TO THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.
* PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.

NON-STORM WATER DISCHARGES

IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

* WATER FROM WATER LINE FLUSHING
* PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).
* UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION).

ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE.

CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

RESPONSIBLE FOR/DUTIES	GENERAL CONTRACTOR	SUB-CONTRACTOR	SUB-CONTRACTOR	SUB-CONTRACTOR	SUB-CONTRACTOR	SUB-CONTRACTOR
BUSINESS NAME AND ADDRESS OF CONTRACTOR & ALL SUBS						
DATE						
SIGNATURE						

DAVE SCHMITT ENGINEERING, INC.
12301 LAKE UNDERHILL ROAD
SUITE 241
ORLANDO, FL 32828
407-207-9088 FAX 407-207-9089
Certification of Authorization #27471

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVE M. SCHMITT
FLORIDA REG

NOTES

GENERAL:

PROJECT SHALL COMPLY WITH THE LIGHT INDUSTRIAL USE DESIGN STANDARDS SET FORTH IN THE CITY OF APOPKA LAND DEVELOPMENT CODE.

LANDSCAPING:

ALL LANDSCAPING SHALL MEET OR EXCEED THE REQUIREMENTS OF THE CITY OF APOPKA LAND DEVELOPMENT CODE.

SITE LIGHTING:

ALL SITE LIGHTING SHALL MEET OR EXCEED THE REQUIREMENTS OF THE CITY OF APOPKA LAND DEVELOPMENT CODE.

SIGNAGE:

POLE SIGNS AND BILLBOARDS SHALL BE PROHIBITED. ALL OTHER SIGNAGE SHALL COMPLY WITH THE CITY OF APOPKA LAND DEVELOPMENT CODE.

EASEMENTS:

ANY EASEMENT SHOWN AS PROPOSED WILL BE RECORDED PRIOR TO ISSUING THE CERTIFICATE OF OCCUPANCY.

UTILITY PROVIDERS

WATER:	CITY OF APOPKA
WASTEWATER:	CITY OF APOPKA
ELECTRIC:	DUKE ENERGY

PHASING

PROJECT WILL BE CONSTRUCTED IN ONE PHASE.

SOILS

SOIL SYMBOL	SOIL DESCRIPTION
39	ST. LUCIE-URBAN LAND COMPLEX, 0 TO 5 PERCENT SLOPES

VEGETATION

GENERALIZED VEGETATION BASED UPON THE FLORIDA LAND USE, COVER AND FORMS CLASSIFICATION SYSTEM (FLUCFCS) OR THE NATURAL COMMUNITY TYPES AS DEVELOPED BY THE FLORIDA NATURAL AREAS INVENTORY.

STORMWATER MANAGEMENT

STORMWATER FOR THE PROPERTY WILL BE HANDLED BY ON-SITE POND AS REQUIRED BY CITY OF APOPKA AND THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT. BASED ON THE NATIONAL FLOOD INSUANCE PROGRAM FIRM MAP NO. 12095C0125H EFFECTIVE SEPTEMBER 24, 2021 THE DESCRIBED PROPERTY IS WITHIN ZONE "X" AND NO BASE FLOOD ELEVATION HAS BEEN ESTABLISHED.

NO WETLANDS EXIST ON SITE .

GREEN BUILDING POINTS

PER CITY OF APOPKA, FL - LAND DEVELOPMENT CODE - TABLE 5.11.4.B

1) ENERGY CONSERVATION - INSTALL A "COOL ROOF" ON A MINIMUM OF 50 PERCENT OF THE DWELLING UNITS IN A SUBDIVISION. THE COOL ROOF SHALL COVER THE ENTIRE ROOF OF THE BUILDING. INSTALL A "COOL ROOF" ON A MINIMUM OF 50 PERCENT OF THE BUILDINGS IN A MULTI-BUILDING DEVELOPMENT. THE COOL ROOF SHALL COVER THE ENTIRE ROOF OF THE BUILDING - 1.50 POINTS.

BICYCLE PARKING PROPOSAL

TRANSPORTATION - 12 BICYCLE PARKING SPACES (0.5 GREEN BUILDING POINTS PER ADDITIONAL 5 PERCENT BICYCLING PARKING SPACES PROVIDED) - 5 POINTS.

TOTAL GREEN BUILDING POINTS = 6.5 POINTS

SITE DATA

TOTAL GROSS AREA:	2.99 AC.	
EXISTING ZONING:	I-L	
ADJACENT ZONING:		
NORTH:	HOGSHEAD ROAD RIGHT OF WAY	
EAST:	I-L	
SOUTH	I-L	
WEST	I-L	
FLU	INDUSTRIAL	
PERVIOUS AREA:	1.07 AC.	35.78%
IMPERVIOUS AREA:	1.92 AC.	64.22%
TOTAL GROSS AREA:	2.99 AC.	100.00%
REQUIRED OPEN-SPACE	0.15 AC.	5%
PROPOSED OPEN-SPACE:	0.94 AC.	31.44%

0 20' 40' 80'
SCALE: 1" = 40'

BUILDING DATA

BUILDING FOOTPRINT AREA:	30,080 S.F.
MAX. BUILDING HEIGHT:	45 FT.
PROPOSED BUILDING HEIGHT	28.5 FT'
FLOOR AREA RATIO:	0.23 FAR

BUILDING SETBACKS

REQUIRED:

FRONT (N):	10 FT.
SIDE (E):	10 FT.
SIDE (W):	10 FT.
REAR (S):	10 FT.

PARKING CALC'S

PARKING REQUIREMENT:
2 SPACES PER 1,000 SQ FT

PARKING REQUIRED:

REGULAR SPACES	= 58 SPACES
HANDICAP SPACES	= 3 SPACES
TOTAL PARKING REQUIRED	= 61 SPACES

PARKING PROVIDED:

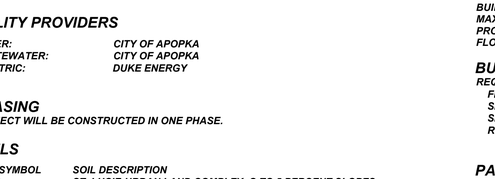
REGULAR SPACES	= 68 SPACES
HANDICAP SPACES	= 4 SPACES
TOTAL PARKING PROVIDED	= 72 SPACES ⚠

TRIP GENERATION

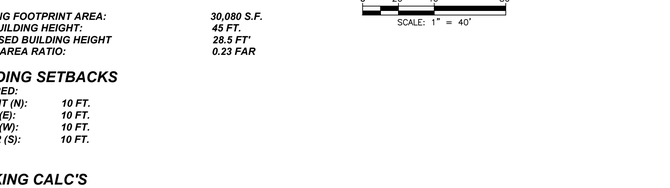
PER 10TH EDITION ITE TRIP GENERATION MANUAL:
GENERAL LIGHT INDUSTRIAL (110)

149 ADT 25 PM PEAK HOUR TRIP (18% IN / 82% OUT)

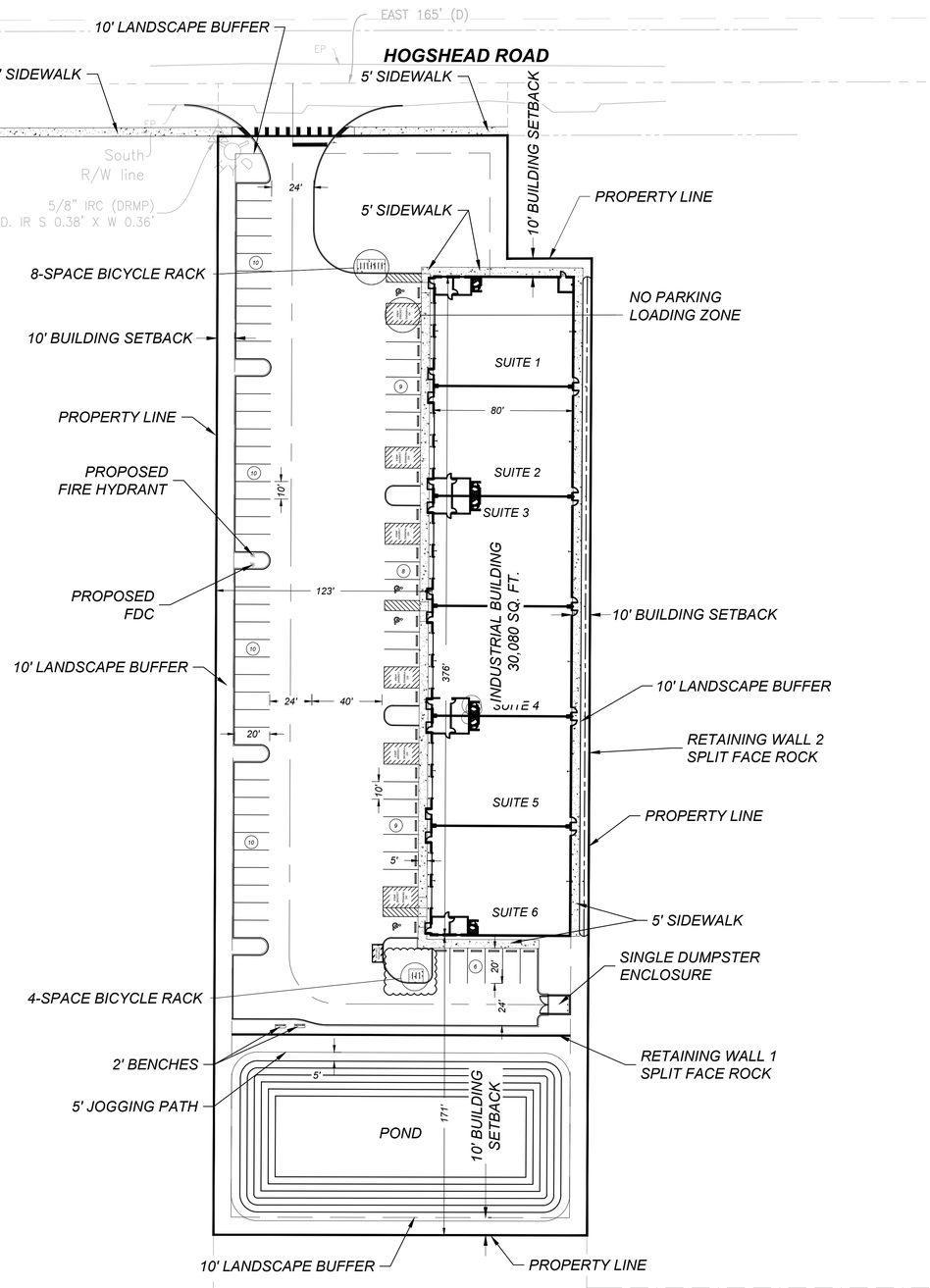
NOTE:
OVERNIGHT PARKING OF COMMERCIAL VEHICLES, TRACTOR TRAILERS, BOATS, RECREATIONAL VEHICLES, CAMPERS OR MOTOR HOMES SHALL BE PROHIBITED WITHIN PARKING LOTS NOT SPECIFICALLY DESIGNED FOR THAT PURPOSE. DEVELOPMENT DESIGN GUIDELINES SECTION 5.7



TYPICAL STREET EAST–WEST AND PARKING SECTION



TYPICAL STREET NORTH–SOUTH AND PARKING SECTION



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12301 LAKE UNDERHILL ROAD
SUITE 241
ORLANDO, FL 32828
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Certification of Authorization #27471

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
			04-14-2023	JT	REV PER WMD ⚠

DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

OVERALL SITE PLAN

3716 HOGSHEAD ROAD
APOPKA, FLORIDA

DATE: FEBRUARY 2022
PROJECT NO.: SAC-2
DRAWN BY: JSK
CHECKED BY: DMS
SCALE: 1" = 40'
SHEET: 06 OF 12

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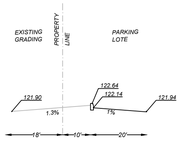
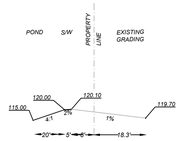
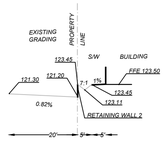


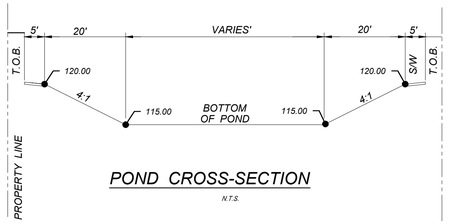
CROSS-SECTION A-A



CROSS-SECTION B-B



CROSS-SECTION C-C



POND CROSS-SECTION

N.T.S.

POND DATA

TOP EL.	120.00
BOTTOM EL.	115.00
MEAN/24HR. D.H.W. EL.	115.736
10YR./24HR. D.H.W. EL.	117.64
25YR./24HR. D.H.W. EL.	118.20
100YR./24HR. D.H.W. EL.	119.175

DRAINAGE STRUCTURE DATA

D-1
N:1585443.1255
E:473126.4528
TYPE "C" INLET
T.E. 121.50
INV. 115.74 (S)

D-2
N:1585249.9295
E:473125.5166
TYPE "C" INLET
T.E. 121.50
INV. 115.33 (N)
INV. 115.33 (S)

D-3
N:1585489.5598
E:473293.9251
TYPE "C" INLET
T.E. 123.27
INV. 115.91 (S)

D-4
N:1585426.9590
E:473294.0679
TYPE "C" INLET
T.E. 123.14
INV. 115.78 (N)
INV. 115.78 (S)

D-5
N:1585364.1513
E:473293.4041
TYPE "C" INLET
T.E. 123.01
INV. 115.65 (N)
INV. 115.65 (S)

D-6
N:1585301.5635
E:473293.5492
TYPE "C" INLET
T.E. 122.87
INV. 115.52 (N)
INV. 115.52 (S)

D-7
N:1585207.5487
E:473292.5319
TYPE "C" INLET
T.E. 122.68
INV. 115.32 (N)
INV. 115.32 (S)

D-8
N:1585090.7834
E:473291.7541
TYPE "C" INLET
T.E. 120.00
INV. 115.05 (N)
INV. 114.95 (SW)

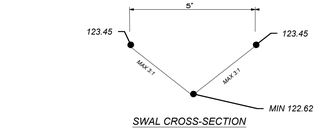
D-9
N:1585079.5844
E:473280.6527
TYPE "P7T" MANHOLE
T.E. 120.00
INV. 115.02 (W)
INV. 114.87 (NE)

MES-1
N:1585091.6705
E:473125.1206
TYPE "MES"
T.E. 119.71
INV. 115.00 (N)

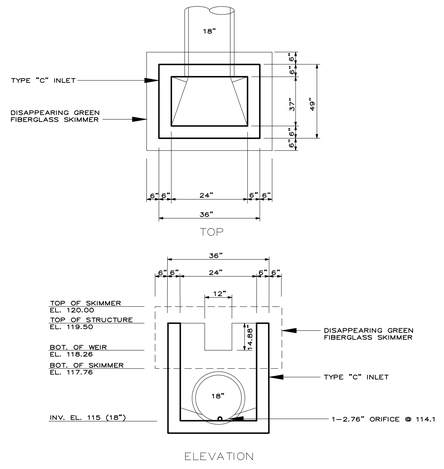
MES-2
N:1585079.6516
E:473269.6572
TYPE "MES"
T.E. 119.71
INV. 115.00 (E)

CS-1
N:1585040.6129
E:473176.6299
TYPE "C"
CONTROL STRUCTURE
T.E. 119.71
INV. 115.00 (S)

MES-3
N:1585010.9702
E:473177.0789
TYPE "MES" EMERGENCY OUTFALL
T.E. 119.65
INV. 114.93 (N)



SWAL CROSS-SECTION



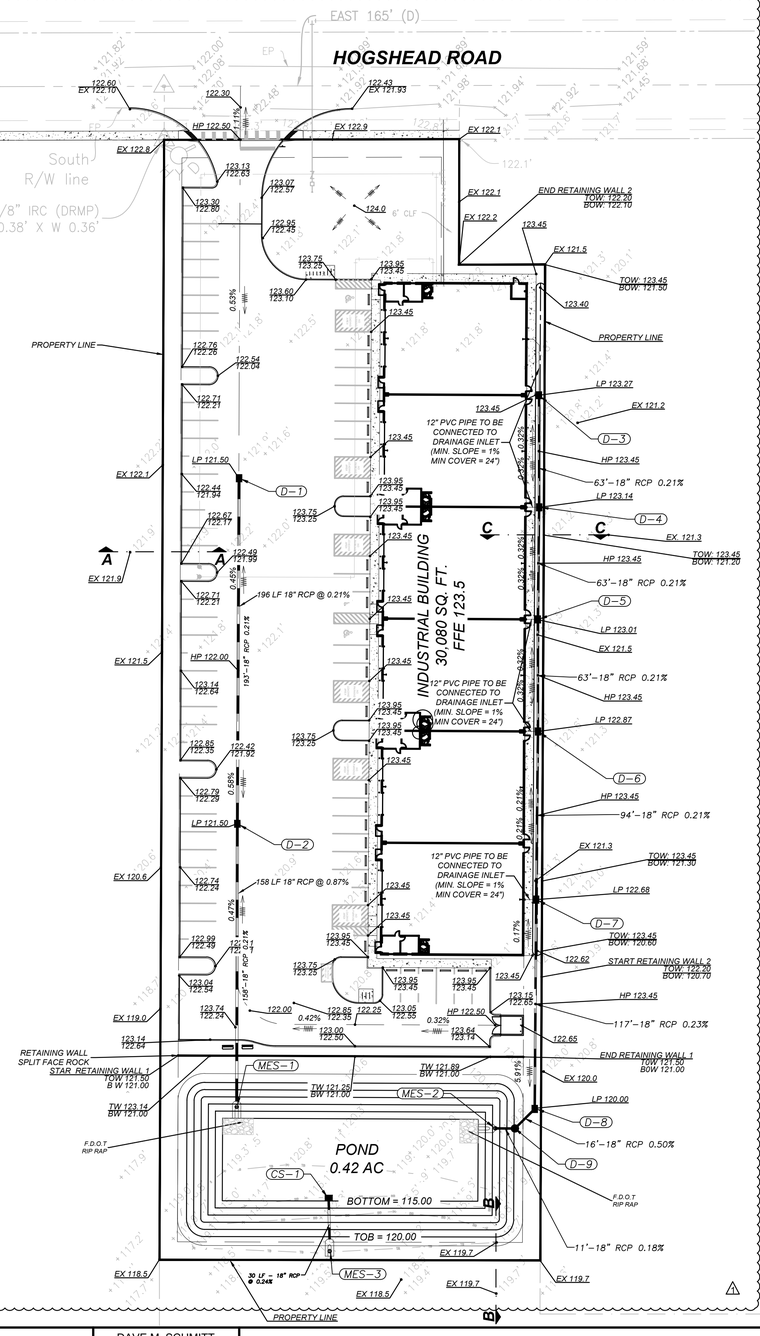
CS POND CONTROL STRUCTURE

N.T.S

NOTES:
1. THE CONTRACTOR SHALL INSTALL, AS PART OF THE INFRASTRUCTURE AND PRIOR TO CERTIFICATE OF COMPLETION, DROP CURBS AND HANDICAP RAMPS AT ALL INTERSECTIONS OF THE SIDEWALK WITH THE PROPOSED PAVEMENT TO MEET CITY OF APOPKA AND A.D.A. SPECIFICATIONS.
2. ALL S/W SHALL INCLUDE HANDICAPPED RAMPS WITH DETECTABLE WARNINGS AT ALL INTERSECTIONS PER FDOT INDEX 304 & 310. DETECTABLE WARNINGS ARE NOT REQUIRED WHERE SIDEWALKS INTERSECT FLARED TURNOUTS.

LEGEND

DESCRIPTION	PROPOSED
SANITARY SEWER SYSTEM	
STORM SEWER SYSTEM	
WATER SYSTEM	
FIRE HYDRANT	
CONTOUR	
DIRECTION OF SURFACE FLOW	



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DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

GRADING & DRAINAGE PLAN

3716 HOGSHEAD ROAD
APOPKA, FLORIDA

DATE: FEBRUARY 2022
PROJECT NO.: SAC-2
DRAWN BY: JSK
CHECKED BY: DMS
SCALE: 1" = 40'
SHEET: 07 OF 12

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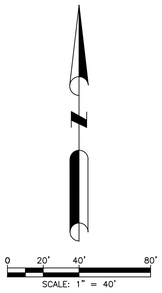

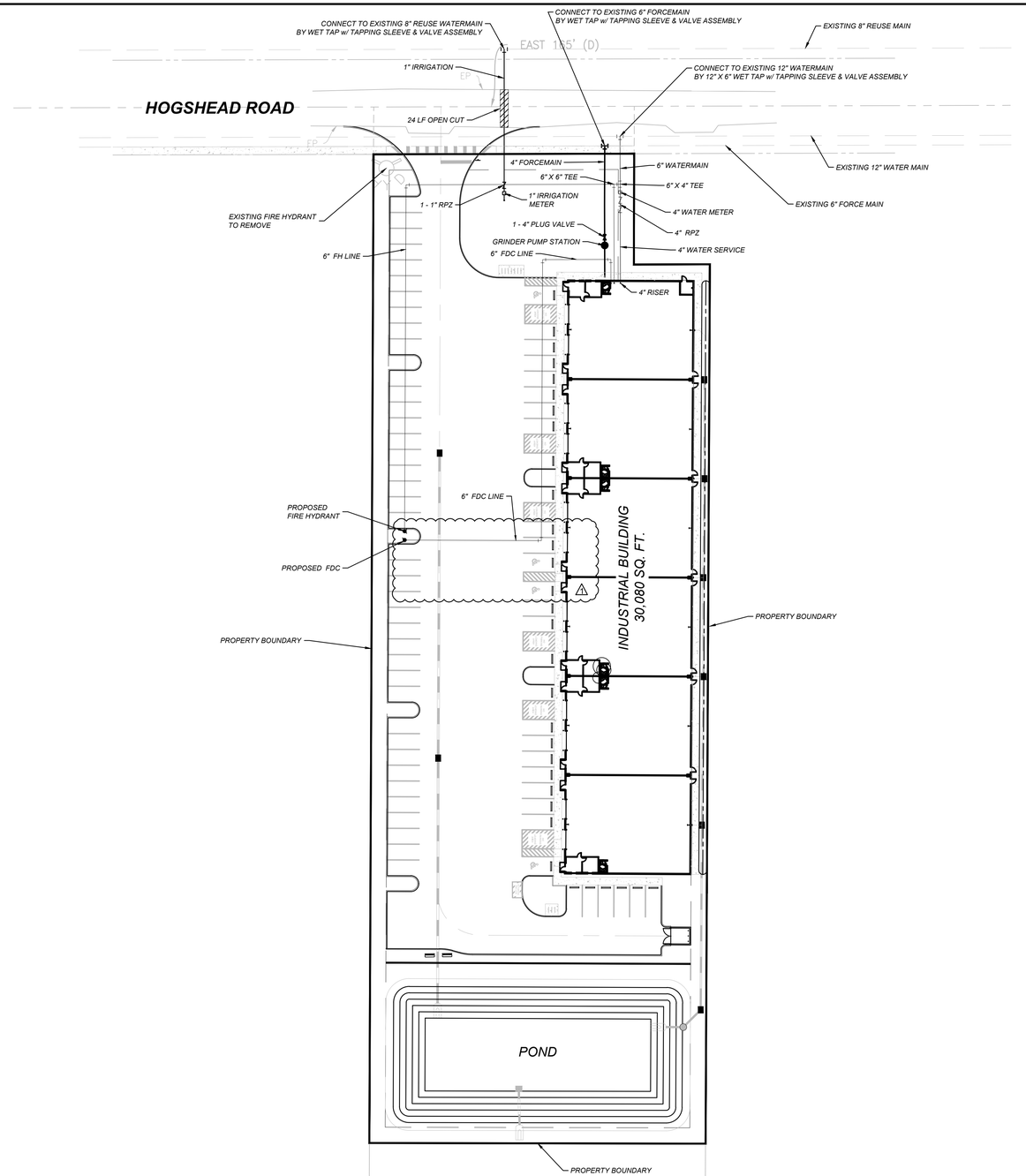

LEGEND

DESCRIPTION	PROPOSED
SANITARY SEWER SYSTEM	
STORM SEWER SYSTEM	
WATER SYSTEM	
FIRE HYDRANT	

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DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

UTILITY PLAN

3716 HOGSHEAD ROAD
APOPKA, FLORIDA

DATE: FEBRUARY 2022
PROJECT NO.: SAC-2
DRAWN BY: JSK
CHECKED BY: DMS
SCALE: 1" = 40'
SHEET: 08 OF 12

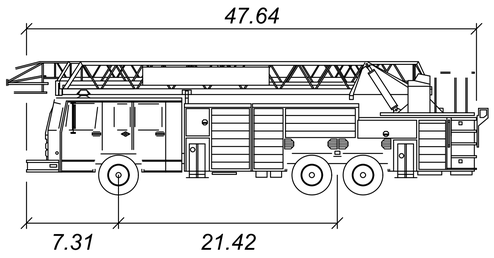
F:\SAC2\CAD\Planset\Final\2023-04-14 FINAL PLAN REV 1\08 UTILITY PLAN.dwg,4/27/2023 12:25:54 PM

NOTES

1. FIRE SPRINKLER PROTECTION WILL BE REQUIRED ALONG WITH A MONITORED FIRE ALARM SYSTEM, PLEASE SEE BUILDING PERMIT DRAWINGS.
2. THE DAS SYSTEM SURVEY WILL BE CONDUCTED BEFORE CONSTRUCTION AND BEFORE CERTIFICATE OF COMPLETION.
3. PROJECT TO COMPLY WITH THE CITY FIRE HYDRANT REQUIREMENTS.

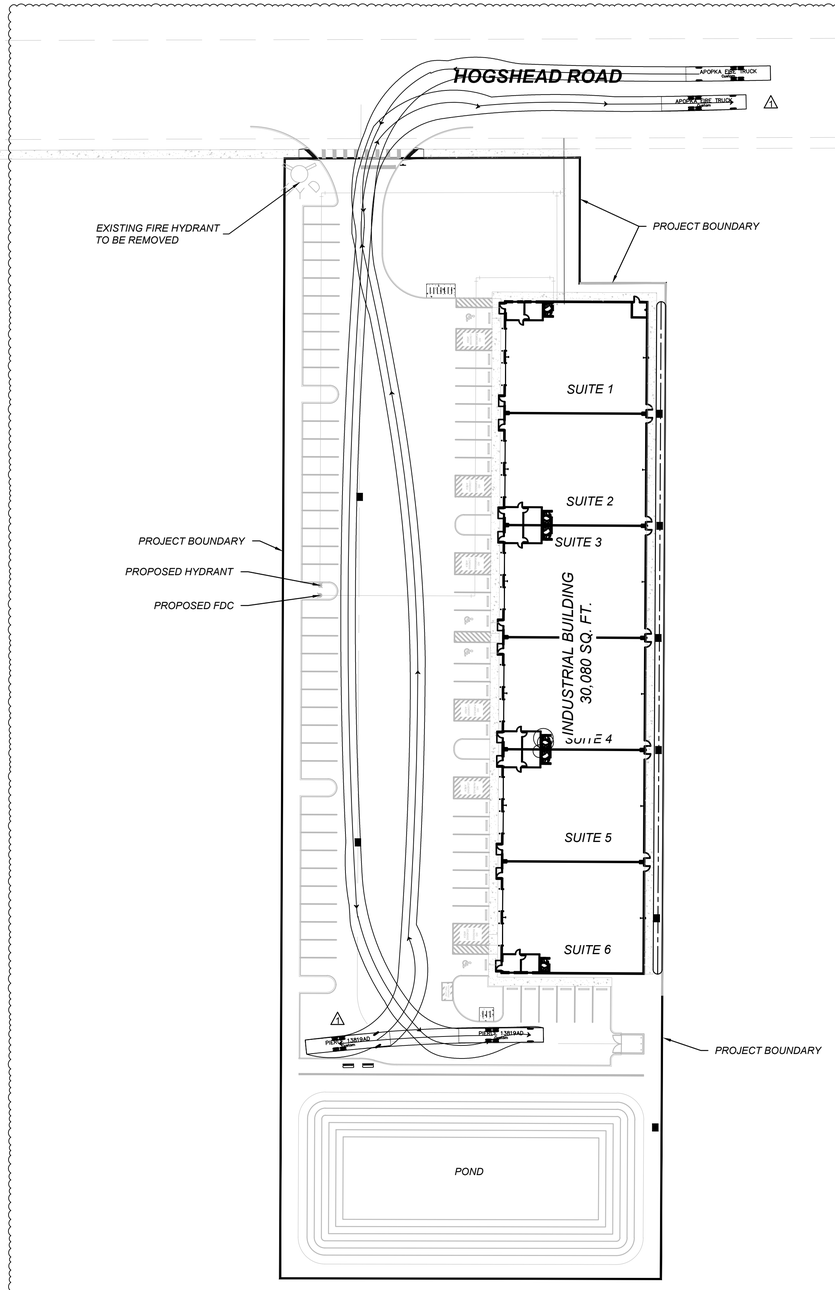
N

0 20' 40' 80'
SCALE: 1" = 40'



APOPKA FIRE TRUCK ⚠

Width	:	8.00
Track	:	8.00
Lock to Lock Time	:	6.00
Steering Angle	:	45.0



FIRE FLOW				
CONSTRUCTION TYPE	BUILDING SQ FT	REQ FIRE FLOW (GPM)	DURATION (HR)	PROVIDED FIRE FLOW (GPM)
NFPA V(III)	30,080	3,000	3	1,500

F:\SAC2\CAD\Planset\Final\2023-04-14 FINAL PLAN REV 1\09 FIRE TRUCK ROUTING PLAN.dwg,4/27/2023 12:52:42 PM

DAVE SCHMITT ENGINEERING, INC.
12301 LAKE UNDERHILL ROAD
SUITE 241
ORLANDO, FL 32828
407-207-9088 FAX 407-207-9089
Certification of Authorization #27471

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
			04-14-2023	BC	REV PER WMD ⚠

DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

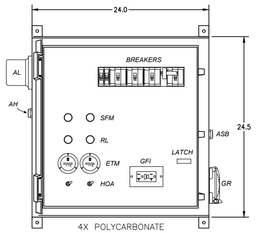
FIRE TRUCK ROUTING PLAN

3716 HOGSHEAD ROAD
APOPKA, FLORIDA

DATE: FEBRUARY 2022
PROJECT NO.: SAC-2
DRAWN BY: JSK
CHECKED BY: DMS
SCALE: 1" = 40'
SHEET: 09 OF 12

ENCLOSURE AND DEADFRONT LAYOUT (TYPICAL)

(OUTER DOOR REMOVED)



LEGEND

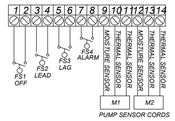
ABBR.	DESCRIPTION
ENC	ENCLOSURE, POLYCARBONATE, NEMA 4X
MCB	MAIN CIRCUIT BREAKER
ECB	EMERGENCY CIRCUIT BREAKER
PCB1,2	PUMP CIRCUIT BREAKER
CCB	CONTROL CIRCUIT BREAKER
GFICB	GFI CIRCUIT BREAKER
GR	GENERATOR RECEPTACLE
GFI	GFI RECEPTACLE
AL	ALARM LIGHT
AH	ALARM HORN
ASB	ALARM SILENCE BUTTON
SFM	SEAL FAIL MODULE
HOA	HAND OFF AUTO SWITCH
RL	RUN LIGHT, GREEN
ETM	ELAPSED TIME METER

PANEL NOTES

ALL PANELS SHALL BE UL LISTED AND CONFORM TO FLORIDA DEP 62-604

1) GENERATOR RECEPTACLE WITH INTERLOCK FOR EMERGENCY POWER CONNECTION.
2) SURGE AND LIGHTNING PROTECTION SHALL BE PROVIDED BY CONTRACTOR AND MOUNTED EXTERNAL TO THE CONTROL PANEL.
3) PHASE OR VOLTAGE MONITOR SHALL BE PROVIDED IN CONTROL PANEL.
4) ALL PANELS, WET WELL, VALVE BOX, AND ACCESS DOORS SHALL HAVE LOCKABLE MECHANISMS. CONTRACTOR TO PROVIDE KEYED LOCKS.
5) POST UNOBSTRUCTED SIGN MADE OF DURABLE WEATHER RESISTANT MATERIAL WITH THE FOLLOWING: PUBLIC NOTICE: IN CASE OF EMERGENCY CONTACT:
6) THE CONTROL PANEL SHALL BE SUITABLY INSTALLED TO PREVENT SETTLING OR TIPPING.
7) FLOAT SWITCHES SHALL BE UL LISTED.
8) SHAFT SEAL FAIL DETECTION

FIELD TERMINALS



PUMP DATA TABLE

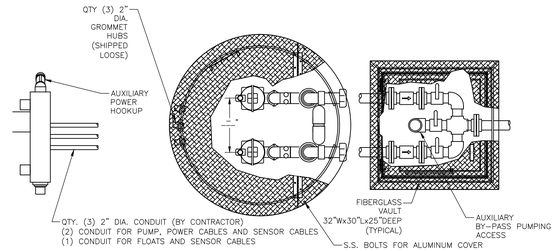
PUMP MODEL	HV	
IMPELLER DIAMETER	5"	
PUMP DESIGN CAPACITY	25	GPM
PUMP DESIGN TDH	48	FT
SECONDARY CAPACITY	N/A	
SECONDARY TDH	N/A	
HORSEPOWER	2	HP
VOLTAGE	208/230/460 V	
PHASE	3 / 1	PH
DISCHARGE SIZE	4"	
NOTES:		

ELEVATIONS

A	TOP OF WET WELL	124.30
B	INLET INVERT	119.30
C	HIGH WATER ALARM	118.80
D	LAG PUMP ON	118.30
E	LEAD PUMP ON	117.80
F	PUMP OFF	117.14
G	BOTTOM OF WET WELL	115.64

FDEP REQUIRMENTS
PROVIDE 3/4" WATER LINE WITH A 3/4" RPZ.
ALL ELECTRICAL PANELS SHALL BE ABOVE THE 100 YEAR FLOOD ELEVATION.

WET WELL/VALVE BOX LAYOUT



PLAN VIEW

ELECTRICAL

INCOMING POWER: 122 V 3 PH ø
(CONTRACTOR TO VERIFY)

GENERAL NOTES

PUMPS SHALL BE OF THE SUBMERSIBLE TYPE (MANUFACTURED BY HYDROMATIC OR HOMA). EACH PUMP SHALL BE MOUNTED ON A 82" RAIL SYSTEM. THE RAIL SYSTEM SHALL BE SELF ENGAGING RESULTING IN A LEAKPROOF COUPLING. THE RAIL SYSTEM SHALL INCLUDE THE BASE ELBOW, DISCHARGE FLANGE ASSEMBLY, 316SS GUIDE RAILS, 316SS UPPER GUIDE BRACKET, 316SS LIFTING BAIL AND CABLE, AND A SIX-HOOK 316SS CABLE HOLDER. THE RAIL SYSTEM SHALL BE MOUNTED AND PRE-PIPED BY THE PUMP SUPPLIER.

PUMP CONSTRUCTION
THE PUMP VOLUTE, MOTOR AND SEAL HOUSING SHALL BE CONSTRUCTED OF CAST IRON. ALL EXTERNAL FASTENERS SHALL BE SERIES 300 STAINLESS STEEL. THE PUMP SHAFT SHALL BE CONSTRUCTED OF SERIES 416 STAINLESS STEEL.

IMPELLER
THE IMPELLER SHALL BE OF MULTI-VANE, SEMI-OPEN CONSTRUCTION. THE IMPELLER SHALL BE STATICALLY AND HYDRAULICALLY BALANCED.

CUTTERS
A CUTTER ASSEMBLY SHALL BE MOUNTED ON THE SUCTION SIDE OF THE PUMP WITH DIRECT DISCHARGE INTO THE PUMP IMPELLER. THE GRINDER SHALL BE CAPABLE OF GRINDING MATERIALS FOUND IN NORMAL, DOMESTIC SEWAGE. BOTH THE STATIONARY AND ROTATING CUTTERS SHALL BE CONSTRUCTED OF HARDENED STEEL.

MOTOR
THE MOTOR SHALL BE MOUNTED IN A SEALED, SUBMERSIBLE TYPE HOUSING. THE STATOR SHALL BE SECURELY HELD IN PLACE WITH A REMOVABLE END RING AND THREADED FASTENERS FOR EASE OF REMOVAL WITHOUT THE USE OF HEAT OR A PRESS. THE MOTOR WILL HAVE TWO HEAVY-DUTY BALL BEARINGS; ONE UPPER (RADIAL) AND ONE LOWER (THRUST), TO SUPPORT THE SHAFT. THE MOTOR SHALL BE EQUIPPED WITH A WINDING THERMOSTAT THAT IS WIRED TO SHUT THE MOTOR OFF IN CASE OF MOTOR OVERHEATING.

SEAL CHAMBER
THE PUMP SHALL HAVE TWO MECHANICAL SEALS, MOUNTED IN TANDEM WITH AN OIL CHAMBER BETWEEN THE SEALS. THE PUMP SHALL BE EQUIPPED WITH A SEAL LEAK DETECTION PROBE AND WARNING SYSTEM BY USING A SEAL FAILURE SENSOR INSTALLED IN THE SEAL CHAMBER.

WET WELL
THE PUMP SUPPLIER SHALL PROVIDE THE WET WELL. THIS GLASS FIBER-REINFORCED POLYESTER BASIN SHALL BE CONSTRUCTED OF A COMMERCIAL GRADE OF GLASS FIBER AND SHALL BE PROVIDED WITH FILLET AND AN ANTI-FLOTATION RING WITH A MINIMUM DIAMETER OF THREE INCHES LARGER THAN THE BASIN DIAMETER. THE RAIL SYSTEM, INTERNAL PIPING AND DISCHARGE CONNECTIONS SHALL BE PRE-INSTALLED BY THE PUMP SUPPLIER.

HATCH COVER
THE HATCH COVER SHALL BE 2/3 HINGED TO ALLOW FOR MAXIMUM ACCESS TO THE WET WELL. THE HATCH COVER SHALL BE ALUMINUM WITH STAINLESS STEEL HARDWARE, RATED FOR 300 PSF OR GREATER. THE HATCH COVER SHALL INCLUDE A SINGLE OR DUAL DOOR OF DIMENSIONS SPECIFIED BY THE PUMP MANUFACTURER FOR PROPER PUMP CLEARANCE. THE COVER SHALL BE MANUFACTURED BY US FABRICATION, OR EQUAL.

VALVE BOX
THE VALVE BOX IS FIBERGLASS WITH ALUMINUM LOCKABLE COVER. STANDARD SIZE VALVE BOX IS 32"x30"x25".

VALVES
VALVES SHALL BE SEWAGE SWING CHECK WITH CLEAN-OUT PORTS AND BRASS GATE VALVES.

FLOATS
FLOATS SHALL BE ANCHOR SCIENTIFIC ROTO-FLOATS OR EQUAL.

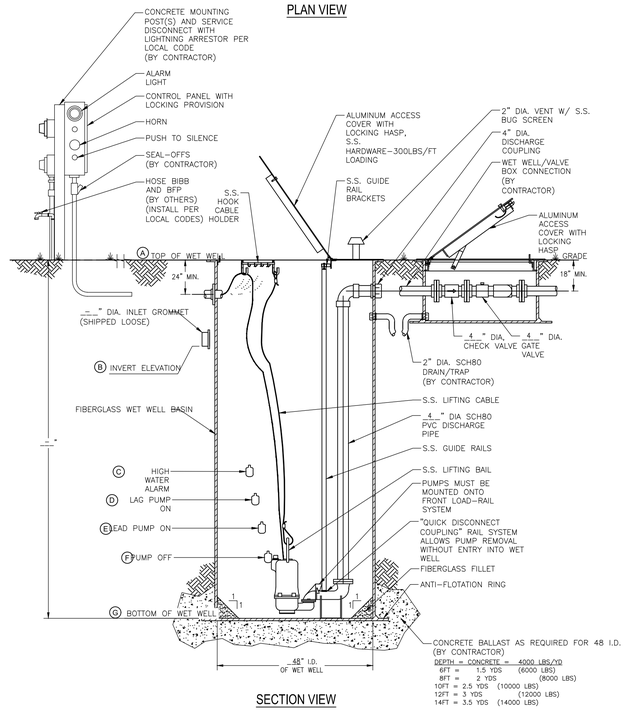
CONTROLS
THE CONTROL PANEL SHALL BE UL508 LISTED. ENCLOSURE SHALL BE PROVIDED IN 4X POLYCARBONATE. THE PANEL SHALL INCLUDE AN ALTERNATING CONTROL SCHEME (DUPLEX AND ABOVE), MAIN CIRCUIT BREAKER, GENERATOR RECEPTACLE, HIGH LEVEL ALARM LIGHT AND HORN, ELAPSED TIME METERS, VOLTAGE OR PHASE MONITOR, SEAL FAILURE AND OVERLOAD SENSORS. THE LIGHTNING ARRESTOR SHALL BE PROVIDED BY BARNEY'S PUMPS AND INSTALLED BY CONTRACTOR.

ELECTRICAL
ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES.

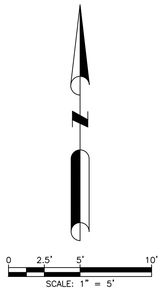
SUPPLIER
PUMP SUPPLIER SHALL PROVIDE SUBMERSIBLE PUMPS, SLIDE RAIL ASSEMBLIES, FIBERGLASS BASIN AND VALVE BOX, CONTROL PANEL, FLOAT SWITCHES, ALUMINUM HATCHES AND ACCESSORIES TO INSURE PROPER OPERATIONS AND WARRANTY. THE COMPLETE PACKAGE PUMPING STATION SHALL HAVE PUMP BASES, RAIL ASSEMBLIES, AND DISCHARGE PIPING ASSEMBLED BY BARNEY'S PUMPS INC. READY FOR FIELD INSTALLATION.

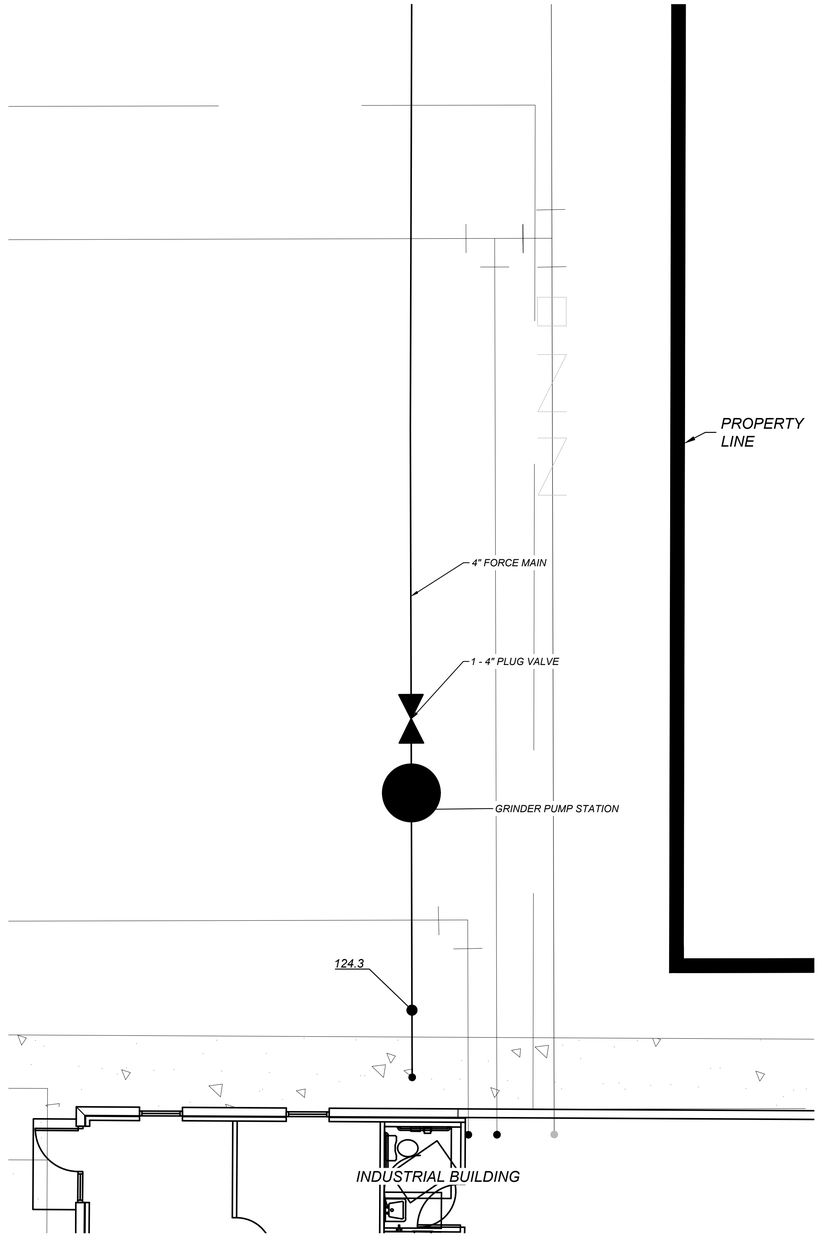
PUMP PACKAGE SHALL BE SUPPLIED BY BARNEY'S PUMPS INC. IN LAKELAND (863-665-8500), CORAL SPRINGS (954-346-0669), OR JACKSONVILLE (904-260-0669), FL.

EMERGENCY NOTICE SIGN
CONTRACTOR IS TO PROVIDE AND POST AN UNOBSTRUCTED SIGN (12"X12" WITH 2" LETTERING) MADE OF DURABLE WEATHER RESISTANT MATERIAL AT A LOCATION VISIBLE TO THE PUBLIC WITH A TELEPHONE NUMBER FOR A POINT OF CONTACT IN CASE OF EMERGENCY AS SHOWN ABOVE



SECTION VIEW





GRINDER PUMP PLAN VIEW

DAVE SCHMITT ENGINEERING, INC.
12301 LAKE UNDERHILL ROAD
SUITE 241
ORLANDO, FL 32828
407-207-9088 FAX 407-207-9089
Certification of Authorization #27471

CONTRACTOR "AS-BUILTS"

I hereby state that these "As-Builts" were furnished to me by the contractor listed below. I, or an employee under my direct supervision have reviewed these "As-Builts" and believe them to be in compliance with my knowledge of what was actually constructed. This statement is based upon site observations of the construction.

Contractor_____ Engineer_____
Not valid without the signature and the original raised seal of a Florida Registered Engineer.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

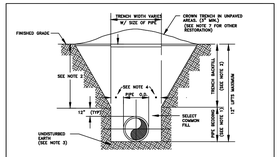
DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

GRINDER PUMP STATION PLAN

3716 HOGSHEAD ROAD
APOPKA, FLORIDA

DATE: FEBRUARY 2022
PROJECT NO.: SAC-2
DRAWN BY: JSK
CHECKED BY: DMS
SCALE: 1" = 5'
SHEET: 10 OF 12

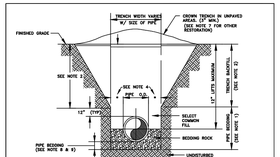
F:\SAC2\CAD\Planset\Final\2023-04-14 final plan rev 1\10 GRINDER PUMP STATION PLAN.dwg,4/28/2023 11:17:21 AM



NOTES:
1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. IF BOTTOM IS UNSTABLE, SELECT COMMON FILL OR BEDDING ROCK IN ACCORDANCE WITH TYPE A BEDDING AND TRENCHING DETAIL MAY BE REQUIRED AS DIRECTED BY THE CITY.
4. CTL-15" MAX. FOR PIPE DIAMETERS LESS THAN 24", AND 24" FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES.
8. SURFACE RESTORATION WITHIN CITY RIGHT-OF-WAY, SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS.
9. ALL DISTURBED, UNPAVED AREAS SHALL BE SODDED TO MATCH ADJACENT DOMINATE GRASS SPECIES.

TYPE "B" BEDDING AND OPEN-CUT DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 100



NOTES:
1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. USE OF TYPE A BEDDING TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CITY.
4. CTL-15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. GRAVITY SEWERS SHALL UTILIZE TYPE A BEDDING IF REQUIRED BY THE CITY. BEDDING DEPTH SHALL BE 1/4 DIAMETER FOR PIPE DIAMETER LESS THAN 18", AND 6" MINIMUM FOR PIPE DIAMETER 18" AND LARGER.
8. DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GIVEN DEPTH OF BEDDING ROCK BELOW THE PIPE. THE CITY SHALL DETERMINE IN THE FIELD IF REMOVAL OF UNSUITABLE MATERIAL IS REQUIRED AND TO WHAT DEPTH A SUITABLE FOUNDATION.
9. ALL UNPAVED, DISTURBED AREAS SHALL BE SODDED TO MATCH ADJACENT DOMINATE GRASS SPECIES.
10. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF THE GOVERNING AGENCIES. SURFACE RESTORATION WITHIN CITY RIGHT-OF-WAY, SHALL COMPLY WITH REQUIREMENTS OF RIGHT-OF-WAY UTILIZATION REGULATIONS.

TYPE "A" BEDDING AND OPEN-CUT DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 101

HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS

PROPOSED UTILITY	HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS							
	POTABLE WATER		RECLAIMED WATER		VACUUM SEWER MAIN	VACUUM SEWER FORCE MAIN	STORM SEWER	
	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	HORIZ.	HORIZ.	VERT.
POTABLE WATER	-	-	3'	12"	6'	10'	3'	6"
RECLAIMED WATER	3'	12"	-	-	6'	10'	3'	-
VACUUM SEWER MAIN	6'	12"	6'	12"	-	-	-	-
SANITARY SEWER FORCE MAIN	10'	6" (MINOR CROSSING)	10'	12"	-	-	-	-
SANITARY SEWER GRAVITY MAIN	6'	6" (MINOR CROSSING)	3'	12"	-	-	-	-

GENERAL NOTES:
1. THE TABLE REPRESENTS THE MINIMUM SEPARATION REQUIREMENTS AS DESCRIBED IN F.A.C. RULES OF THE FLORIDA ADMINISTRATION CODE (F.A.C.). THESE SEPARATION REQUIREMENTS SHALL APPLY BETWEEN ALL PROPOSED UTILITY LINES AND EXISTING OR PROPOSED UTILITY LINES.
2. FOR THE PURPOSE OF THIS TABLE, RECLAIMED WATER MEANS RECLAIMED WATER, REUSE WATER AS DEFINED IN F.A.C. 62-610.200(37), AND WATER QUALITY EQUIVALENT TO REUSE WATER AS DEFINED IN F.A.C. 62-610.200(38). STORM WATER MANAGEMENT FACILITIES INCLUDING EXFILTRATION SYSTEMS ARE NOT CONSIDERED TO BE SANITARY SEWERS AND SEPARATIONS LISTED FOR SANITARY SEWER SHALL NOT APPLY.
3. ALL SEPARATION DISTANCES ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE UNLESS OTHERWISE SPECIFIED. CRITERION PRODUCING GREATER CLEARANCE SHALL BE USED.
   C/C = DENOTES CENTER OF PIPE TO CENTER OF PIPE.
   O/O = DENOTES OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
4. ACCEPTABLE VARIANCES:
   A. WHERE HORIZONTAL SEPARATION IS NOT ATTAINABLE, PVC-C-900 DR-14 PRESSURE PIPE MAY BE USED FOR THE FORCE MAIN OR RECLAIMED WATER LINE FOR A TOTAL LENGTH OF 500 LINEAL FEET. DI-C-900 DR-18 OF EQUIVALENT (EXCAVATION MUST BE USED UNTIL MINIMUM FOR 18 OF CONCRETE).
   B. WHERE A HIGH VERTICAL SEPARATION IS NOT ATTAINABLE AT CROSSINGS, USE ONE FULL LENGTH OF PVC-C-900 DR-14 PRESSURE PIPE FOR A TOTAL LENGTH OF 20 FEET WITH THE POINT OF CROSSING BEING AT SUPPORT MAY BE REQUIRED.
5. NO WATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF A SANITARY OR STORM WATER MANHOLE OR STRUCTURE.
6. CONCRETE ENCASEMENT SHALL NOT BE USED UNLESS APPROVED BY PUBLIC SERVICES DIRECTOR OR HIS DESIGNEE.

HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 104

MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S). *

	PIPE SIZE									
	6"	8"	10"	12"	16"	18"	20"	24"	30"	36"	48"
90° BEND	33	43	51	60						
45° BEND	14	18	22	25						
22-1/2° BEND	7	9	11	12						
11-1/4° BEND	4	5	6	6						
TEE**	1	7	24	44						
REDUCER (ONE SIZE SMALLER)		41	39	40						
DEAD END	74	96	115	136						

* ONLY RESTRAIN BRANCH PIPE FOR TEES, ONLY RESTRAIN LARGER PIPE FOR REDUCERS
** LENGTH ALONG RUN ASSUMED TO BE 18'

NOTES:
1. FITTINGS SHALL BE DUCTILE IRON RESTRAINED JOINT TYPE, FM FITTINGS TO BE LINED WITH PROTECTO 401.
2. INSTALL FULL LENGTHS OF PIPE WITH TOTAL LENGTH CONTAINING ONLY RESTRAINED JOINTS EQUAL TO OR GREATER THAN LENGTH SHOWN IN TABLE.
3. WHERE TWO OR MORE FITTINGS ARE TOGETHER, USE FITTING WHICH YIELDS GREATEST LENGTH OF RESTRAINED PIPE.
4. IN LINE VALVES AND THRUSTON RUN OF TEES OUTSIDE LIMITS OF CONCRETE THRUST BLOCKING AT BENDS AND/OR FITTINGS NEED NOT BE RESTRAINED UNLESS OTHERWISE INDICATED.
5. LENGTHS SHOWN IN THE TABLE HAVE BEEN CALCULATED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AS PUBLISHED BY DIPRA. FOR PVC WITH THE FOLLOWING ASSUMPTIONS:

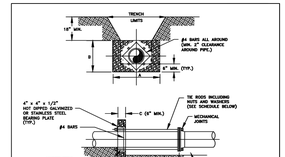
TYPE OF PIPE:	PVC
MAXIMUM WORKING PRESSURE:	150 P.S.I.**
SOIL DESIGNATION:	(MODIFIED)
LAYING CONDITIONS:	B

** FM = 100 P.S.I. / MV OR RWM = 150 P.S.I.

6. FOR PIPE ENCASED IN POLYETHYLENE INCREASE THE GIVEN VALUE BY A FACTOR OF 1.5.
7. VALUES NOT LISTED IN THE TABLE TO BE COMPLETED BY THE ENGINEER.

RESTRAINED PIPE TABLE (PVC)

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 105



NOTES:
1. ADDITIONAL REINFORCEMENTS SHALL BE AS SPECIFIED BY THE ENGINEER.
2. MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE SHALL BE 3000 P.S.I.
3. BEFORE BACKFILL AND COMPACTION SHALL BE COMPLETED AS SHOWN IN THE STANDARD DRAWINGS.
4. ALL FORM BOARDS SHALL BE REMOVED PRIOR TO BACKFILL.
5. NO ALLOWANCE SHALL BE MADE FOR FRICTION RESISTANCE OF THE PIPE WALL AND THE THRUST COLLAR.
6. DESIGN PRESSURE: 150 P.S.I.

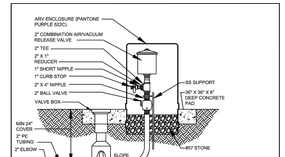
SCHEDULE OF DIMENSIONS AND MATERIALS *

PIPE SIZE (INCHES)	DIMENSIONS (FT.)				TIE RODS NOTE 3	
	A	B	C	D	No.	DIA.
6	2.0	3.0	1.0	4.0	4	3/4
8	2.0	3.0	1.0	4.0	4	3/4
10	2.0	3.0	1.0	4.0	4	3/4
12	2.0	3.0	1.0	4.0	4	3/4
16	4.0	4.0	1.0	4.0	4	3/4
18	4.0	4.0	1.0	4.0	4	3/4
24	4.0	4.0	1.0	4.0	6	3/4

NOTE: LENGTH OF TIE RODS TO BE DETERMINED ON BASIS OF ACTUAL DIMENSIONS OF FITTINGS USED. ** = TO BE COMPLETED BY ENGINEER.

WATER MAIN THRUST COLLAR DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 107

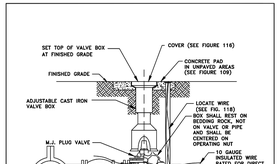


MAIN DIAMETER	ARV
12" AND SMALLER	2"
16"	3"
20", 24"	4"
30", 36"	6"

NOTES:
1. FOR RECLAIMED WATER USE ONLY.
2. OFFSET DISTANCE TO BE FIELD DETERMINED AND AS CLOSE TO THE R/W LINE AS POSSIBLE.
3. ADJUST HORIZONTAL LOCATION OF SIDEWALK, AS REQUIRED TO AVOID ARV ENCLOSURE.
4. LOCATE ARV ENCLOSURE WITHIN 6" OF R/W LINE.

OFFSET COMBINATION AIR/VACUUM RELEASE VALVE DETAIL - RECLAIMED WATER ONLY

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 113

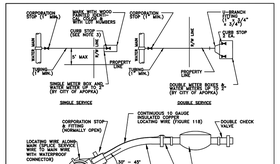


MAIN DIAMETER	ARV
12" AND SMALLER	2"
16"	3"
20", 24"	4"
30", 36"	6"

NOTES:
1. FOR WASTEWATER USE ONLY.
2. OFFSET DISTANCE TO BE FIELD DETERMINED AND AS CLOSE TO THE R/W LINE AS POSSIBLE.
3. ADJUST HORIZONTAL LOCATION OF SIDEWALK, AS REQUIRED TO AVOID ARV ENCLOSURE.
4. LOCATE ARV ENCLOSURE WITHIN 6" OF R/W LINE.

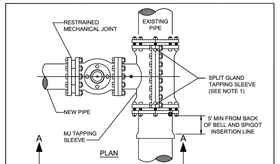
OFFSET AIR OR COMBINATION AIR/VACUUM RELEASE VALVE DETAIL - WASTEWATER ONLY

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 114



TYPICAL VALVE BOX COVER DETAILS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 116

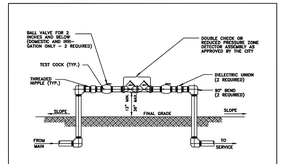


NOTES:
1. 18" MINIMUM CLEARANCE FOR WATER, SEWER AND RECLAIMED WATER MAIN CROSSINGS
2. 12" MINIMUM CLEARANCE REQUIRED FOR OTHER TYPE UTILITY CROSSINGS.
3. SEE ENCASEMENT DETAIL IF MINIMUM CLEARANCE CANNOT BE OBTAINED.

* CONSTRUCT UNIFORM PIPE DEFLECTION NOT TO EXCEED 75% OF MANUFACTURER RECOMMENDED MAXIMUM DEFLECTION PER PIPE JOINT

UTILITY CROSSING PIPE DEFLECTION DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 117

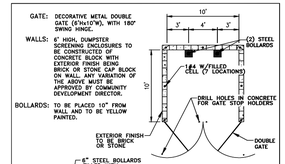


NOTES:
1. 18" MINIMUM CLEARANCE FOR WATER, SEWER AND RECLAIMED WATER MAIN CROSSINGS
2. 12" MINIMUM CLEARANCE REQUIRED FOR OTHER TYPE UTILITY CROSSINGS.
3. SEE ENCASEMENT DETAIL IF MINIMUM CLEARANCE CANNOT BE OBTAINED.

* CONSTRUCT UNIFORM PIPE DEFLECTION NOT TO EXCEED 75% OF MANUFACTURER RECOMMENDED MAXIMUM DEFLECTION PER PIPE JOINT

UTILITY CROSSING PIPE DEFLECTION DETAIL

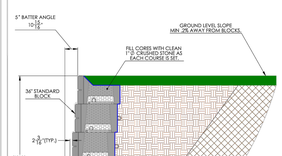
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 117



NOTES:
1. ALL PIPE SHALL REQUIRE INSULATED METALLIC LOCATING WIRE (10 AWG-SOLID CCS REINFORCED TRACER WIRE-INSULATED 30 MIL HDPE – 30 VOLT MFG. BY COPPERHEAD INDUSTRIES, LLC OR EQUAL) CAPABLE OF DETECTION BY A CABLE LOCATOR.
2. SHALL BE BURIED DIRECTLY ABOVE THE CENTERLINE OF THE PIPE AND ATTACHED WITH DUCT TAPE OR NYLON STRAPS AT 3 LOCATIONS PER JOINT. LOCATING WIRE SHALL TERMINATE AT THE TEST STATION BOX AS SHOWN IN FIG. 109.
3. BE CAPABLE OF EXTENDING 12" ABOVE TOP OF TEST STATION BOX IN SUCH A MANNER SO AS NOT TO INTERFERE WITH VALVE OPERATION.
4. SPLICES SHOULD BE MADE USING STANDARDS AND PRODUCTS DESIGNED FOR DIRECT BURIAL CONDUCTORS.
5. WIRE INSULATION SHALL BE COLOR CODED FOR THE TYPE OF PIPE BEING INSTALLED.

PIPE LOCATING WIRE DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 118



NOTES:
1. CLEAN-OUT (SHOWN SHADED) SHALL BE INSTALLED BY THE BUILDER IN ACCORDANCE WITH STANDARD PLUMBING CODE.
2. LOCATE SINGLE LATERAL AS CLOSE TO LOT LINE AS POSSIBLE.
3. LOCATE DOUBLE LATERAL SHALL NOT ENTER SEWER MAIN BELOW SPRING LINE.
4. RESIDENTIAL SERVICES SHALL BE 4 INCHES & NON-RESIDENTIAL SERVICES SHALL BE 6 INCHES IN DIAMETER AS A MINIMUM.
5. GALVANIZED, OR CAST IRON CLEAN-OUT CAP SHALL BE USED FLUSH WITH GRADE IN SIDEWALK.
6. LATERAL SHALL BE MARKED WITH AN "S" STAMPED OR CUT IN THE CURB.

SERVICE LATERAL DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 204

FORCE MAIN WET TAP TIE-IN DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 206

NOTES:
1. ALL FITTINGS SHALL BE BRASS WITH COMPRESSION/PACK JOINT TYPE CONNECTIONS.
2. NO SERVICE LINE SHALL TERMINATE UNDER A DRIVEWAY.
3. EACH SERVICE POINT, TERMINATE AT A HOME STUB-IN WHICH SHALL BE BURIED AT THE PROPERTY LINE. THE STUB-IN SHALL BE CLEARLY MARKED WITH A 2"x4"x 3' S.P. STAKE WITH THE TOP PAINTED BLUE FOR POTABLE WATER AND PURPLE FOR RECLAIMED WATER, AND MARKED WITH THE NUMBER OF THE LOT(S) TO BE SERVED.
4. RECLAIMED WATER SERVICES SHALL USE PURPLE COLORED STS POLYETHYLENE TUBING.
5. POTABLE WATER SERVICES SHALL USE BLUE COLORED STS POLYETHYLENE TUBING.
6. ALL SERVICE UNDER EXISTING OR PROPOSED PAVEMENT SHALL BE INSTALLED IN A MINIMUM 2" PVC SLEEVE.

WATER SERVICE CONNECTION DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 405

NOTES
1. SIZE ON SIZE WET TAPS WILL CALL FOR FULL ENCIRCLEMENT STAINLESS STEEL MJ TAPPING SLEEVE; MUELLER H-304, OR EQUAL.
2. ALL NEWLY INSTALLED TAPPING SLEEVES & TAPPING VALVES SHALL BE PNEUMATICALLY TESTED AT A TEST PRESSURE OF 150PSI FOR A PERIOD OF THIRTY MINUTES.

SECTION A - A

WATER AND RECLAIMED WATER MAINS WET TAP TIE-IN DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 406

NOTES:
1. ALL PIPE FITTINGS, MATERIALS, LABOR, AND APPURTENANCES SHALL BE SUPPLIED BY THE CONTRACTOR.
2. ALL PIPE AND FITTINGS TWO (2) INCHES AND SMALLER SHALL BE THREADED SCHEDULE 40 GALVANIZED STEEL.

DOUBLE CHECK OR REDUCED PRESSURE ZONE DETECTOR ASSEMBLY

2 INCH AND BELOW ASSEMBLY

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 500 A

DUMPSTER ENCLOSURE DETAIL
NTS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 601

TYPICAL GRAVITY WALL WITH 36" VERTI-BLOCK

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DAVE SCHMITT ENGINEERING, INC.
12301 LAKE UNDERHILL ROAD
SUITE 241
ORLANDO, FL 32828
407-207-9088 FAX 407-207-9089
Certification of Authorization #27471

REVISIONS

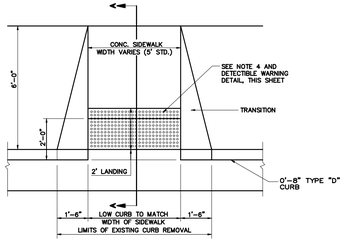
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

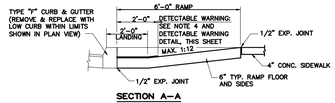
UTILITY DETAILS

3716 HOGSHEAD ROAD
APOPKA, FLORIDA

DATE: FEBRUARY 2022
PROJECT NO.: SAC-2
DRAWN BY: JSK
CHECKED BY: DMS
SCALE: NONE
SHEET: 11 OF 12



PLAN VIEW

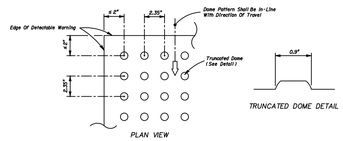


SECTION A–A

NOTES:
1. EXISTING CURB SHALL BE COMPLETELY REMOVED & REPLACED WITHIN LIMITS SHOWN.
2. LOW CURB & TRANSITION MAY BE FORMED AT THE TIME OF CURB CONSTRUCTION.
3. CONSTRUCT WITH CLASS A (3000 PSI) CONCRETE.
4. CONTRACTOR SHALL CONSTRUCT DETECTABLE "CAST IN PLACE" WARNING SURFACES PER THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITIES GUIDLINES (ADAAG) SECTION 4.29.2.
5. RAMPS SHALL COMPLY WITH FDOT INDEX 304.

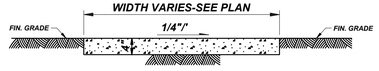
HANDICAP RAMP

TYPE "D" CURB



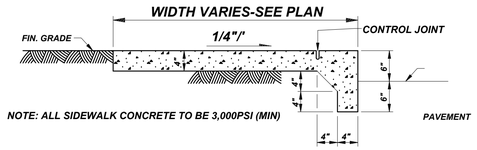
ALL SIDEWALK CURB RAMPS SHALL HAVE "CAST IN PLACE" DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24 INCHES (610 mm) FROM THE BACK OF CURB IN ACCORDANCE WITH F.D.O.T. INDEX 304.

CURB RAMP DETECTABLE WARNING DETAIL



STANDARD CONCRETE SIDEWALK

NOTE: MINIMUM CLASS A (3000 PSI) CONCRETE TO BE USED.



SIDEWALK ABUTTING PAVEMENT

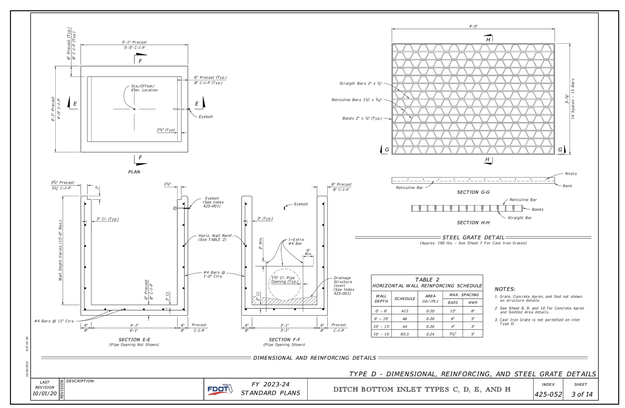


TABLE 2
HORIZONTAL WALL REINFORCING SCHEDULE

WALL DEPTH	SCHEDULE	AREA (sq.in./ft.)	MAX. SPACING BARS	MAX. SPACING WWR
0' - 6"	#12	0.20	12"	8"
6' - 10'	#8	0.20	8"	5"
10' - 13'	#4	0.20	4"	3"
13' - 15'	#3.5	0.24	3½"	3"

NOTES:
1. Grate, Concrete Apron, and Slab not shown for clarity purposes.
2. See Sheet 8, 9, and 10 for Concrete Apron and Slotted Drain details.
3. Cast Iron Grate is not permitted on Inlet Type D.

LAST REVISED 10/01/21	DESCRIPTION:	FDOT FY 2023-24 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E, AND H	INDEX 425-052	SHEET 3 of 14

DAVE SCHMITT ENGINEERING, INC.
12301 LAKE UNDERHILL ROAD
SUITE 241
ORLANDO, FL 32828
407-207-9088 FAX 407-207-9089
Certification of Authorization #27471

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
			04-14-2023	JT	REV PER WMD ⚠1

DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

PAVING & DRAINAGE DETAILS

3716 HOGSHEAD ROAD
APOPKA, FLORIDA

DATE: FEBRUARY 2022
PROJECT NO.: SAC-2
DRAWN BY: JSK
CHECKED BY: DMS
SCALE: NONE
SHEET: 12 OF 12

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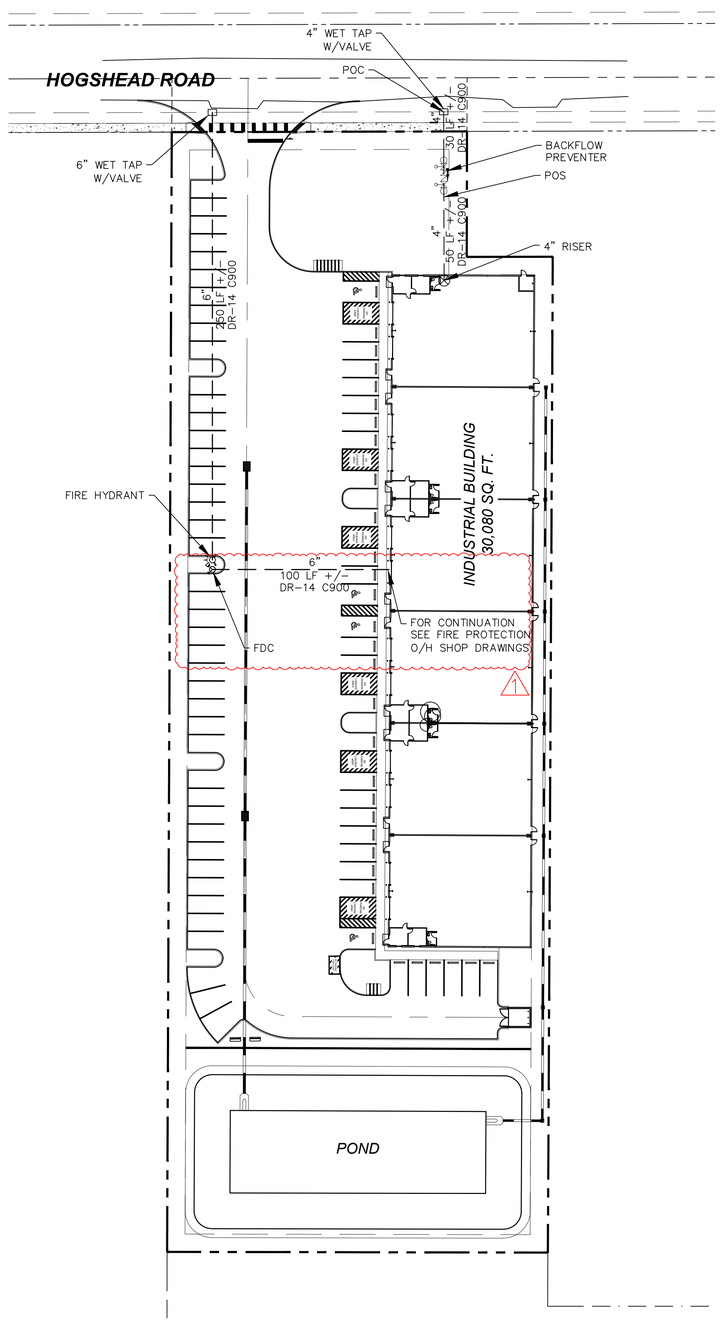
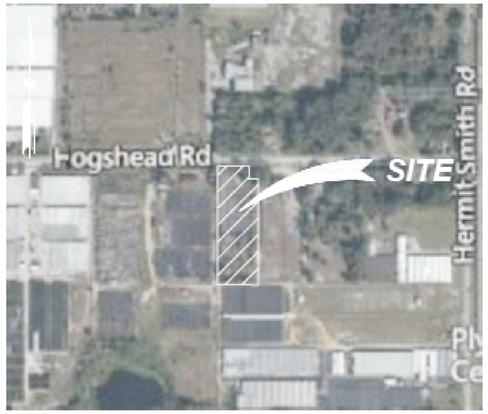




SITE LOCATION

Know what's **below.**
Call before you dig.

THRUST BLOCK SCHEDULE

PIPE SIZE	TEE		22 1/2° BEND		45° BEND		90° BEND		
0"	L	D	L	D	L	D	L	D	W
6"	18"	15"	18"	12"	18"	12"	18"	15"	21"
8"	2'-0"	18"	18"	12"	18"	12"	2'-0"	8"	24"
12"	3'-0"	2'-0"	2'-0"	12"	2'-0"	12"	3'-0"	2'-0"	28"
16"	4'-0"	2'-6"	2'-0"	12"	2'-4"	18"	4'-0"	2'-6"	31"
20"	5'-3"	3'-0"	2'-0"	18"	3'-0"	2'-0"	5'-3"	3'-0"	33"
24"	7'-6"	3'-0"	3'-0"	18"	4'-0"	2'-6"	7'-6"	3'-0"	36"
30"	11'-0"	4'-0"	5'-0"	2'-0"	6'-0"	4'-0"	11'-0"	4'-0"	40"

NOTE: - ALL CONCRETE SHALL BE 3000 PSI COMPRESSIVE STRENGTH AT 28 DAYS

FIRE PROTECTION UNDERGROUND NOTES:

SCOPE OF WORK:
UNDERGROUND FIRE SUPPLY LINE, GATE VALVE TO PROPERTY LINE, BACKFLOW PREVENTER & FIRE HYDRANT.

THE SYSTEM DESIGN AND INSTALLATION OF PIPE, FITTINGS, VALVES AND COMPONENTS SHALL COMPLY WITH NFPA #13 & NFPA #24 (2016), FLORIDA BUILDING CODE (2020), AUTHORITY HAVING JURISDICTION AND IN COMPLIANCE WITH PROJECT SPECIFICATIONS .

PIPE TO BE RESTRAINED IN ACCORDANCE WITH NFPA 24, 2016

PIPE TO BE UG, PVC C-900 DR-14 CLASS 150 SLIP JOINT

DUCTILE IRON PIPE SHALL BE USED WHEN PIPE PASSES UNDER BUILDING FOUNDATION OR FOOTING

FITTINGS TO BE MECHANICAL JOINT

PVC PIPE TO BE SAND BEDDED PER MANUFACTURERS INSTALLATION REQUIREMENTS

BACKFILL TO BE WITH EXCAVATED MATERIAL, INSURE NO ROCKS COME IN CONTACT WITH PIPE

PROVIDE 2" CLEARANCE IN FLOOR AROUND SPIGOT PIECE

MINIMUM BURY DEPTH IN NON-FREEZE AREAS SHALL BE 30" TO TOP OF PIPE

MINIMUM BURY DEPTH IN FREEZE AREAS SHALL BE 12" BELOW FROST LINE FOR THE LOCALITY

MINIMUM BURY DEPTH FOR PIPING RAN UNDER DRIVEWAYS OR ROADWAYS SHALL BE 36" TO TOP OF PIPE

MINIMUM BURY DEPTH FOR PIPING RAN UNDER TRAIN TRACK SHALL BE 48" TO TOP OF PIPE

CLASS 200 PIPING SHALL BE USED FOR SECTIONS OF PIPING PRESSURIZED BY A FIRE DEPARTMENT CONNECTION OR AN ON SITE FIRE PUMP WHERE THE OPERATION PRESSURE EXCEEDS 150 psi.UNDERGROUND FLUSH AND PRESSURE TEST SHALL BE BE WITNESSED BY A.H.J.

ALL PIPING AND ATTACHED APPURTENANCES SUBJECTED TO SYSTEM WORKING PRESSURE SHALL BE HYDROSTATICALLY TESTED AT GAUGE PRESSURE OF 200 PSI (14 BAR) OR 50 PSI (3.4 BAR) IN EXCESS OF THE SYSTEM WORKING PRESSURE, WHICHEVER IS GREATER, AND SHALL MAINTAIN THAT PRESSURE AT GAUGE PRESSURE OF ±5 PSI (0.3 BAR) FOR 2 HOURS

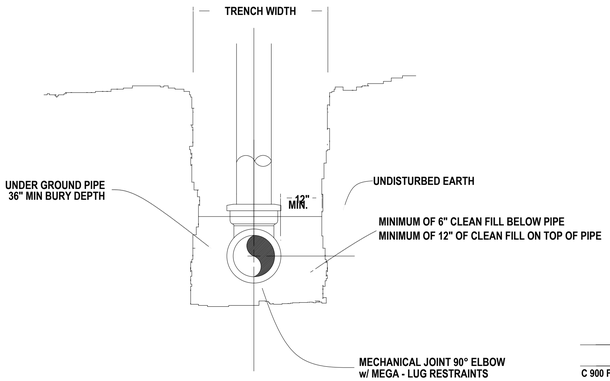
ELECTRICAL WIRING FOR DEVICES MAY BE REQUIRED SHALL BE BY OWNER OR OTHERS.

BOLLARDS TO BE PROVIDED FOR PROTECTION OF FIRE PROTECTION DEVICES/ASSEMBLIES AGAINST ANY MECHANICAL OR POTENTIAL DAMAGE.

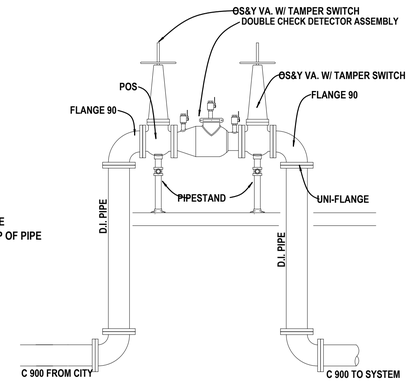
SPRINKLER SYSTEM UNDERGROUND TO BE INSTALLED BY A STATE CERTIFIED FIRE PROTECTION CONTRACTOR.

INSTALLATION CONTRACTOR SHALL INCLUDE BOTH THE UNDERGROUND CONTRACTOR MATERIAL AND TEST CERTIFICATES UPON COMPLETION.

METHOD OF RESTRAINT



PIPE BEDDING DETAIL FOR UNDERGROUND
SCALE: NTS



4" BACKFLOW DETAILS
(SHOWN FOR REFERENCE ONLY INSTALLED BY OTHERS)

LEGEND

- FIRE HYDRANT
- BACKFLOW PREVENTER
- RISER
- FDC
- WET TAP W/VALVE

UTILITY PLAN

N

0 20' 40' 80'
SCALE: 1" = 40'

JEFFREY A. SANDERS, P.E.
CONSULTING ENGINEER
3985 DANIELS CUT COVE
ORLANDO, FL
32766

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JEFFREY A. SANDERS LICENSE No 79195 STATE OF FLORIDA PROFESSIONAL ENGINEER

Know what's below. Call before you dig.

Job: 3004-01
Date: 12-05-2022
Scale: As Shown
County: Orange
State: Florida

Design: A.P. Drawn: Checked: Approved:

Enviro-Tech Systems, Inc.
102 Frances Circle
Altamonte Springs, FL 32701
(863) 763-3143 phone
www.enviro-tech.cc

No	Date:	Revision
1	03/03/23	PER FIRE PLAN REVIEW COMMENTS

3716 HOGSHEAD ROAD
APOPKA, FL 32703

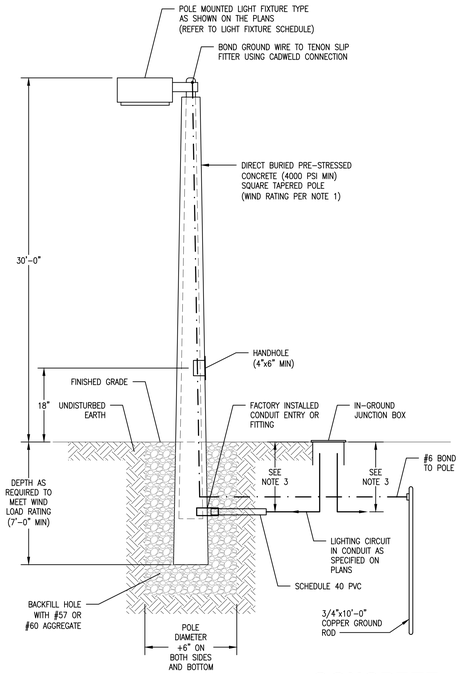
Jeffery A. Sanders
FL P.E. No. 79195

SAC CONSTRUCTION

MAJOR DEVELOPMENT PLAN
FOR 3716 HOGSHEAD ROAD

UTILITY PLAN

SHEET FP-1



A / E101 **CONCRETE POLE DETAIL**

NONE

POLE MTD FIXTURE NOTES:

1. REFER TO WIND RATING REQUIREMENTS ON THE STRUCTURAL DRAWINGS FOR SPECIFIC REQUIREMENTS. WHERE STRUCTURAL DRAWINGS ARE NOT PROVIDED, WIND RATINGS SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, CHAPTER 16. POLE, BASE, ANCHOR BOLT AND LIGHT FIXTURE ASSEMBLY SHALL BE CERTIFIED BY THE MANUFACTURER FOR THE WIND RATING. WHERE REQUIRED FOR PERMITTING, THE CONTRACTOR SHALL PROCURE THE SERVICES OF A FLORIDA LICENSED PROFESSIONAL STRUCTURAL ENGINEER TO PROVIDE SIGNED AND SEALED CALCULATIONS AND DRAWINGS CERTIFYING THE POLE MTD LIGHT FIXTURE DETAIL AND/OR MODIFYING THE DETAIL AS REQUIRED TO MEET THE REQUIRED WIND RATINGS PER THE FLORIDA BUILDING CODE.
2. INSTALL SITE LIGHTING AS INDICATED, IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS, APPLICABLE REQUIREMENTS OF NEC STANDARDS, APPLICABLE REQUIREMENTS OF STATE, COUNTY AND LOCAL CODES, AND WITH RECOGNIZED INDUSTRY PRACTICES TO ENSURE SITE LIGHTING FULFILLS ALL REQUIREMENTS.
3. COMPLY WITH NEC ARTICLE 300.5 FOR RACEWAY BURIAL DEPTH. REFER TO BELOW GRADE RACEWAY DETAIL FOR ADDITIONAL RACEWAY BURIAL DEPTH REQUIREMENTS.
4. LIGHT FIXTURES AND ASSOCIATED WIRING SHALL BE INSTALLED IN ACCORDANCE WITH NEC ARTICLE 410. POLE SUPPORTING LUMINAIRE SHALL COMPLY WITH NEC ARTICLE 410.30(B).
5. PROVIDE IN-GROUND JUNCTION BOX SET AT EACH POLE EXCEPT THE LAST POLE IN A RUN. PROVIDE QUAZITE BOX # PG1118BA12/PG1118HH00 OR APPROVED EQUAL FOR IN GROUND APPLICATIONS. TOP SHALL BE FLUSH WITH FINISHED GRADE.
6. PROVIDE SUFFICIENT SPACE ENCOMPASSING HAND ACCESS AND CABLE ENTRANCE HOLES FOR INSTALLATION OF UNDERGROUND CABLING.
7. PROVIDE BUSSMAN HEB FUSEHOLDER (LITTLEFUSE LEB-XX-S) WITH "BREAKAWAY" RECEPTACLES IN ALL CONDUCTORS RUNNING TO THE TOP OF EACH POLE. LOCATE FUSE HOLDER AT HAND HOLE OR IN BASE JUNCTION BOX AS APPLICABLE. PROVIDE KTK FUSES IN EACH PHASE CONDUCTOR, SIZED 1.5 TIMES MAXIMUM FULL LOAD CURRENT OF BALLASTS SERVED BY EACH CONDUCTOR. DO NOT EXCEED RATING OF CIRCUIT OVERCURRENT PROTECTIVE DEVICE. PROVIDE FUSE BLANKS IN NEUTRAL CONDUCTORS. MAKE UP ALL OTHER SPLICES IN POLE OR POLE BASE USING SCOTCHCAST 400 RESIN FOR WATERTIGHT CONNECTION.
8. VOLTAGE DROP HAS BEEN CALCULATED FOR WIRING ARRANGEMENTS AS SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY SIZING CONDUCTORS SHOULD HE/SHE DEVIATE FROM THE SPECIFIC ARRANGEMENT SHOWN ON THE DRAWINGS, LIMITING VOLTAGE DROP TO 3% AT THE FARTHEST FIXTURE.
9. ALL POLE MOUNTED LIGHT FIXTURE OPTICS SHALL BE FIELD ROTATABLE. ORIENT OPTICS AS DESIGNATED BY ARROWS ON THE SITE LIGHTING PLAN.
10. PROVIDE EQUIPMENT GROUNDING CONNECTIONS FOR EACH POLE MTD LIGHT FIXTURE INSTALLATION. ALL GROUNDING SHOWN SHALL BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.
11. ALL HARDWARE (E.G. WASHERS, NUTS, ETC.) SHALL BE STAINLESS STEEL.
12. PROVIDE HOUSE-SIDE SHIELDS NEAR PROPERTY BOUNDARIES. ALL LIGHT FIXTURES SHALL BE FULL CUTOFF. REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL DETAILS AND REQUIREMENTS.

GENERAL SHEET NOTES:

1. REFER TO LIGHTING FIXTURE SCHEDULE FOR LIGHT FIXTURE DESCRIPTIONS.
2. LIGHT FIXTURES TYPE "WPA","WPB", "SLA" & "SLB" CONTROLLED BY A LIGHTING CONTROL PANEL, TURNING ON ALL LIGHT FIXTURES BASED ON PHOTOCELL AND TURNING HALF THE LIGHT FIXTURES OFF AT MIDNIGHT.
3. LIGHT FIXTURE NOTED IS NOT PROVIDED UNDER THIS SCOPE OF WORK.

PHOTOMETRIC GENERAL NOTES:

1. CALCULATIONS ARE IN FOOT-CANDLES.
2. THE POSITION OF LUMINARIES MUST BE INSTALLED WHERE SHOWN TO GIVE OPTIMAL LIGHT LEVELS, ACCORDING TO THE LIGHTING ORDINANCES OF THE AUTHORITY HAVING JURISDICTION (AHJ) AND ALL CURRENT CODES.
3. THIS PHOTOMETRIC IS PROVIDED FOR THE LIGHT FIXTURES NOTED IN THE LIGHTING FIXTURE SCHEDULE ONLY.
4. ANY CHANGES IN FIXTURES OR SUBSTITUTIONS MUST HAVE EQUAL QUALITY, EFFECTIVE AND NOMINAL LUMEN OUTPUT, LIGHT QUALITY, ETC., AND MEET THE DESIGN INTENT SHOWN.
5. ANY CHANGES WILL REQUIRE A NEW PHOTOMETRIC. CHANGES NOT REQUIRED TO MEET PERMIT COMMENTS WILL CARRY AN ADDITIONAL DESIGN FEE.
6. A NEW PHOTOMETRIC MUST BE SUPPLIED WITH ALL REVISIONS. CHANGES NOT REQUIRED TO MEET PERMIT COMMENTS WILL CARRY AN ADDITIONAL DESIGN FEE.
7. ALL SUBSTITUTIONS MUST BE SUBMITTED TO THE ENGINEER 10 BUSINESS DAYS PRIOR TO BID ALONG WITH A PHOTOMETRIC PLAN THAT MEETS THE AHJ'S LIGHTING ORDINANCES AND ALL CURRENT CODES. THE SUBSTITUTION MUST HAVE THE OWNER'S WRITTEN APPROVAL.
8. THIS PHOTOMETRIC WAS CALCULATED USING A CIVIL BASE FILE DATED XX/XX/2021. IF THERE IS A REVISION TO THE CIVIL DRAWINGS THAT AFFECTS THE LIGHTING LAYOUT, A NEW PHOTOMETRIC MUST BE SUPPLIED.
9. THERE WILL BE AN ADDITIONAL FEE CHARGED TO REVIEW ALTERNATIVE FIXTURES THAT HAVE NOT RECEIVED WRITTEN APPROVAL. CONTRACTOR MUST PROVIDE WRITTEN CERTIFICATION AND UPDATED PHOTOMETRIC SHOWING THAT THE LIGHT FIXTURE SUBSTITUTIONS WILL PRODUCE NEAR IDENTICAL PHOTOMETRIC VALUES, CALCULATIONS, AND MEET THE AHJ'S LIGHTING ORDINANCES AND ALL CURRENT CODES.
10. NO SUBSTITUTIONS WILL BE ACCEPTED WITHOUT MEETING THESE CRITERIA.
11. CONTRACTOR SHALL HIRE AN APPROVED INDEPENDENT PARTY, THE LIGHTING FIXTURE MANUFACTURER, OR THE LIGHTING DISTRIBUTOR, TO PROVIDE CERTIFIED DOCUMENTATION TO THE AUTHORITY HAVING JURISDICTION (AHJ), WHICH PROVES THE INSTALLED LIGHTING MEETS THE PERMIT APPROVED PHOTOMETRIC PLAN AND AHJ'S LIGHTING ORDINANCES. WHERE ALLOWED BY THE AHJ, CONTRACTOR MAY SELF-PERFORM THE CERTIFICATION TESTING AND PROVIDE THE CERTIFIED DOCUMENTATION TO THE AHJ.

PHOTOMETRIC COMMISSIONING:

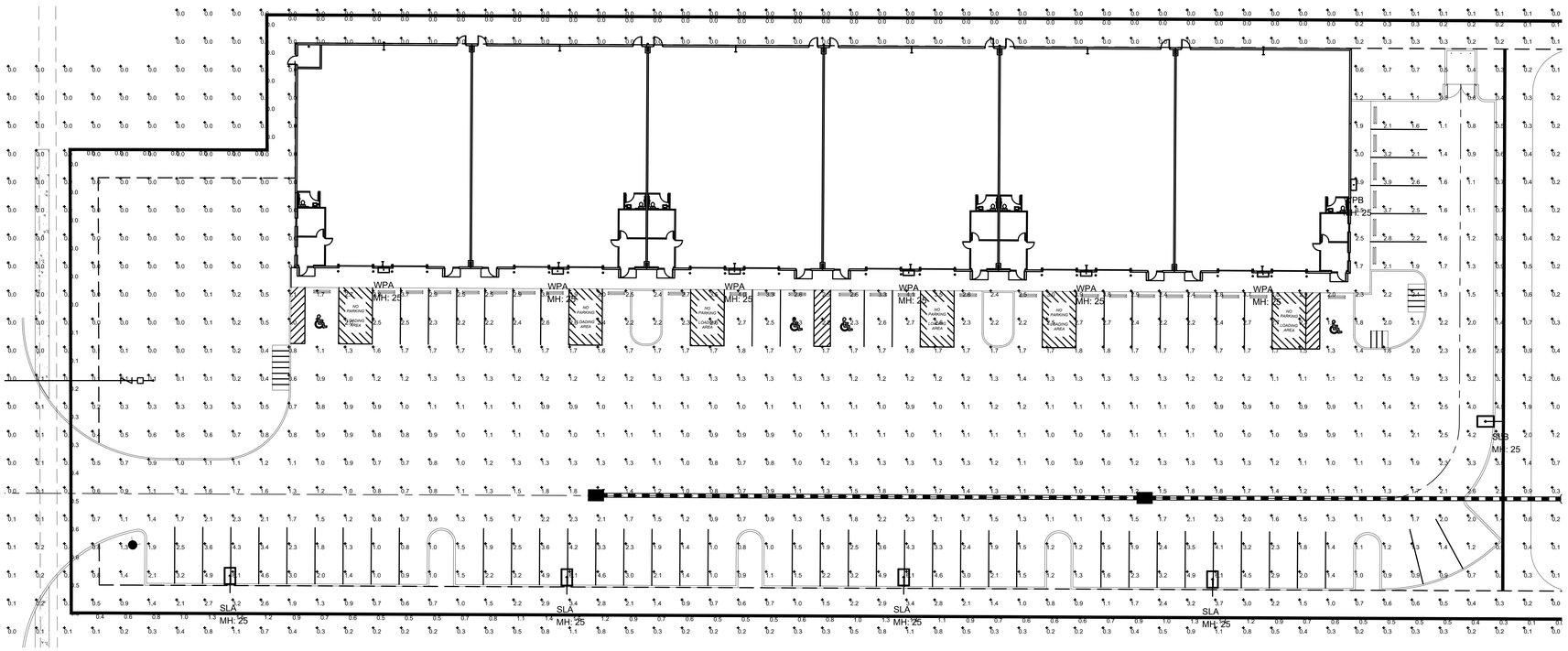
1. CONTRACTOR SHALL HIRE AN APPROVED INDEPENDENT PARTY, OR THE LIGHTING FIXTURE MANUFACTURER, TO PROVIDE CERTIFIED DOCUMENTATION TO THE AUTHORITY HAVING JURISDICTION (AHJ), WHICH PROVES THE INSTALLED LIGHTING MEETS THE PERMIT APPROVED PHOTOMETRIC PLAN AND AHJ'S LIGHTING ORDINANCES. WHERE ALLOWED BY THE AHJ, CONTRACTOR MAY SELF-PERFORM THE CERTIFICATION TESTING AND PROVIDE THE CERTIFIED DOCUMENTATION TO THE AHJ. THE FOLLOWING NOTES DESCRIBE THE REQUIRED PROCEDURES TO BE COMPLETING BY THE LIGHTING MANUFACTURER'S REPRESENTATIVE OR THE APPROVED INDEPENDENT PARTY.
2. CONFIRM THAT THE TIME SWITCHES AND PROGRAMMABLE SCHEDULE CONTROLS ARE PROGRAMMED TO TURN THE LIGHTS ON AND OFF.
3. CONFIRM THAT THE PLACEMENT AND SENSITIVITY ADJUSTMENTS FOR PHOTOSENSOR CONTROLS REDUCE ELECTRIC LIGHT BASED ON THE AMOUNT OF USABLE DAYLIGHT IN THE SPACE, AS SPECIFIED.
4. FURNISH ALL LABOR AND MATERIAL REQUIRED FOR A COMPLETE LIGHTING CONTROL SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL COORDINATE WITH THE MANUFACTURER AND PROVIDE ANY AND ALL SERVICE HOURS BY THE MANUFACTURER'S SERVICE REPRESENTATIVE IN ORDER TO PROGRAM THE LIGHTING CONTROL PANEL AND CERTIFY CLOSE OUT DOCUMENTS. SITE LIGHTING CONTROLS SHALL MEET THE REQUIREMENTS OF ASHRAE 90.1-2014, CHAPTER 9, SECTION 9.4.1.4.
5. CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR BUSINESS HOURS AND SCHEDULING TIME CLOCK CONTROL IN THE ASTRONOMICAL TIME CLOCK SCHEDULER. TIME CLOCK CONTROLLED (TC) LIGHTING SHALL TURN OFF ONE HOUR AFTER THE CLOSE OF BUSINESS. TC LIGHTING SHALL REMAIN OFF UNTIL THE BUSINESS REOPENS IN THE MORNING OR THE PHOTOCELL SWITCHES ALL LIGHTING OFF IN THE MORNING.
6. PHOTOCELL CONTROLLED (PC) LIGHTING SHALL TURN ON AND OFF BASED ON THE AUTOMATIC LIGHT SENSOR SWITCH (PHOTOCELL). INCLUDE A TIME DELAY FEATURE PROGRAMMED INTO THE PHOTOCELL OR THE LIGHTING CONTROL PANEL TO PREVENT INTERMITTENT SWITCHING. PHOTOCELL SHALL BE CONDUIT POST TOP MOUNTED FROM THE SERVICE EQUIPMENT RACK FACING NORTH, OR WALL MOUNTED AS SHOWN ON THE INDIVIDUAL BUILDING PLANS.
7. REFER TO ASHRAE STANDARD 90.1, CHAPTER 9, SECTION 9.4.2 FUNCTION TESTING FOR ADDITIONAL TESTS, CALIBRATIONS, ADJUSTMENTS, PROGRAMMING, ETC., REQUIRED BY THE CODE. PROVIDE ALL TESTING AND ADJUSTMENT OF SETTINGS FOR AUTOMATIC TIME SWITCHES, AND PHOTOCELL CONTROLS, AS DESCRIBED IN THIS SECTION. PROVIDE DOCUMENTATION CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET OR EXCEED ALL DOCUMENTED PERFORMANCE CRITERIA.
8. THE ENGINEER OF RECORD SHALL REVIEW THE CERTIFIED DOCUMENTATION FROM THE APPROVED INDEPENDENT PARTY, OR THE LIGHTING FIXTURE MANUFACTURER, PRIOR TO SUBMISSION TO THE AHJ. THE ENGINEER OF RECORD SHALL NOT PERFORM THE CERTIFICATION TESTING.

Lighting Luminaire Schedule

Symbol	[MANUFAC]	Qty	Label	Arrangement	Description	LLF	Lum. Watts	Lum. Lumens	BUG Rating
	Lithonia Lighting	4	SLA	SINGLE	RSX1 LED P3 40K R4 MVOLT; POLE MOUNTED @ 25FT AFG	1.000	109.44	14206	B2-U0-G2
	Lithonia Lighting	1	SLB	SINGLE	RSX1 LED P3 40K R3 MVOLT; POLE MOUNTED @ 25FT AFG	1.000	109.44	14022	B2-U0-G2
	Lithonia Lighting	6	WPA	SINGLE	WDGE3 LED P2 40K 70CRI RFT MVOLT; WALL MOUNTED @ 25FT AFG	1.000	59.2761	8597	B2-U0-G2
	Lithonia Lighting	1	WPB	SINGLE	WDGE3 LED P3 40K 70CRI RFT MVOLT; WALL MOUNTED @ 25FT AFG	1.000	71.6952	10145	B2-U0-G2

Lighting Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Boundary	Illuminance	Fc	0.28	1.5	0.0	N.A.	N.A.
Entire Site	Illuminance	Fc	0.74	6.1	0.0	N.A.	N.A.
Parking Lot	Illuminance	Fc	1.72	6.1	0.6	2.87	10.17



1 / E201 **SITE PHOTOMETRIC PLAN**

SCALE: 1"=20'-0" (0 to 40)

COMMISSIONING

CONTRACTOR SHALL HIRE AN APPROVED INDEPENDENT PARTY, THE LIGHTING FIXTURE MANUFACTURER, OR THE LIGHTING DISTRIBUTOR, TO PROVIDE CERTIFIED DOCUMENTATION TO THE AUTHORITY HAVING JURISDICTION (AHJ), WHICH PROVES THE INSTALLED LIGHTING MEETS THE PERMIT APPROVED PHOTOMETRIC PLAN AND AHJ'S LIGHTING ORDINANCES. WHERE ALLOWED BY THE AHJ, CONTRACTOR MAY SELF-PERFORM THE CERTIFICATION TESTING AND PROVIDE THE CERTIFIED DOCUMENTATION TO THE AHJ.

THIS DRAWING HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY DREW D. LILES ON THE DATE SHOWN IN THE SEAL, USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

CLIENT/DEVELOPER???:

S.A. CASEY CONSTRUCTION

ARCHITECTURE
135 West Central Blvd., Suite 400
Orlando, Florida 32801
TEL: 407.363.6136
AA26001097

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Revisions:

Scale:	Date:	Drawn By:	Checked By:
AS NOTED	05/25/22	MD	DDL

HOGSHEAD WAREHOUSE
HOGSHEAD WAREHOUSE
3716 HOGSHEAD ROAD
APOPKA, FL 32703

SITE PHOTOMETRIC PLAN

Certified By:
DREW DOUGLAS LILES LICENSE No 74669 05/25/22 STATE OF FLORIDA PROFESSIONAL ENGINEER

Drawing Number: E201
Of Sheets

Issuance:

A/E Job Number: 22165

LIGHT FIXTURE TYPE "SLA":

RSX1 LED
Area Luminaire

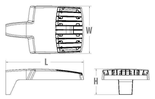
Buy American

Catalog Number
Notes
Type

Specifications will be based on image used. See page 9 for all dimensional drawings.

Specifications

EPA (ft²·@0°):	0.57 ft² (0.05 m²)
Length:	21.8" (55.4 cm) (SPA mount)
Width:	13.3" (33.8 cm)
Height:	3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm
Weight: (SPA mount):	22.0 lbs (10.0 kg)



Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor, adjustable integral slipfitter and other mounting configurations are available.

Ordering Information

EXAMPLE: RSX1 LED P4 40K R3 MVOLT SPA DDBXD

RSX1 LED	P3	40K	R4	MVOLT	
Series	**Performance Package**	**Color Temperature**	**Distribution**	**Voltage**	**Mounting**
RSX1 LED	P1 1 @ 700mA P2 1 @ 1050mA P3 1 @ 1400mA P4 2 @ 1400mA	30K 3000K 40K 4000K 50K 5000K	R2 Type 2 Wide R3 Type 3 Wide R3S Type 3 Short R4 Type 4 Wide R4S Type 4 Short R5 Type 5 Wide [1] R5S Type 5 Short [1] AFR Automotive Front Row AFRR90 Automotive Front Row Right Rotated AFRL90 Automotive Front Row Left Rotated	MVOLT [120V-277V] [1] HVOLT [347V-480V] [1] XVOLT [277V-480V] [1] (use specific voltage for options as noted) 120 [1] 277 [1] 208 [1] 347 [1] 240 [1] 480 [1]	SPA Square pole mounting (3.0" min. SQ pole for 1 at 90°, 3.5" min. SQ pole for 2, 3, 4 at 90°) RPA Round pole mounting (3.2" min. dia. RND pole for 2, 3, 4 at 90°, 3.0" min. dia. RND pole for 1 at 90°, 2 at 180°, 3 at 120°) MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon) IS Adjustable slipfitter (fits 2-3/8" OD tenon) [4] WBA Wall bracket [1] WBASC Wall bracket with surface conduit box AASP Adjustable tilt arm square pole mounting [1] AARP Adjustable tilt arm round pole mounting [1] AAWB Adjustable tilt arm with wall bracket [1] AAWSC Adjustable tilt arm wall bracket and surface conduit box [1]

DNAXD

Options	Finish
Shipped Installed HS House-side shield [1] PE Photocontrol, button style [6] PEX Photocontrol external threaded, adjustable [1,6] PER7 Seven-wire twist-lock receptacle only (no controls) [6,13,23] CE34 Conduit entry 3/4"NPT (Qty 2) SF Single fuse (120, 277, 347) [1] DF Double fuse (208, 240, 480) [1] SPD20KV 20KV Surge pack (10KV standard) FAO Field adjustable output [4,5] DMG 0-10V dimming extend out back of housing for external control (control ordered separate) [4,8] **Shipped Installed** ***Standalone and Networked Sensors/Controls (factory default settings, see table page 9)** NLTAIR2 nLight AIR generation 2 [9,24,25] PIRHN Networked, 8-Level motion/ambient sensor (for use with NLTAIR2) [9,24,26] BAA Buy America(n) Act Compliant ***Note: PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted.** **Shipped Separately (requires some field assembly)** EGS External glare shield [7] EGFV External glare full visor (360° around light aperture) [7] BS Bird spikes [9]	DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DDBTXD Textured Dark Bronze DBLBXD Textured Black DNATXD Textured Natural Aluminum DWHGXD Textured White

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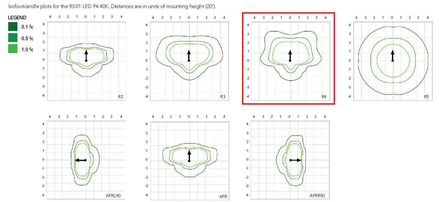
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's RSX Area homepages.

Isofootcandle plots for the RSX1 LED P4 40K. Distances are in units of mounting height (20').

LEGEND
- 0.1 fc
- 0.5 fc
- 1.0 fc



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

		Current (A)					
Performance Package	System Watts (W)	120V	208V	240V	277V	347V	480V
P1	51W	0.42	0.25	0.21	0.19	0.14	0.11
P2	72W	0.60	0.35	0.30	0.26	0.21	0.15
P3	109W	0.91	0.52	0.45	0.39	0.31	0.25
P4	133W	1.11	0.64	0.55	0.48	0.38	0.27

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Distribution Type	3K (3000K, 70 CRI)				4K (4000K, 70 CRI)				5K (5000K, 70 CRI)			
			Lumens	B	U	LPW	Lumens	B	U	LPW	Lumens	B	U	LPW
P1	51W	R2	6,482	1	0	3	126	7,121	1	0	3	139	7,121	1	0	3	139
		R3	6,459	1	0	2	127	7,096	1	0	2	139	7,096	1	0	2	139
		R3S	6,631	1	0	1	129	7,286	1	0	2	142	7,286	1	0	2	142
		R4	6,542	1	0	2	128	7,189	1	0	2	141	7,189	1	0	2	141
		R4S	6,313	1	0	1	124	6,936	1	0	1	136	6,936	1	0	1	136
		R5	6,611	3	0	2	130	7,266	3	0	2	143	7,266	3	0	2	143
		R5S	6,807	3	0	1	133	7,479	3	0	1	147	7,479	3	0	1	147
		AFR	6,473	1	0	1	127	7,112	1	0	1	139	7,112	1	0	1	139
		AFRR90	6,535	2	0	2	127	7,179	2	0	2	140	7,179	2	0	2	140
		AFRL90	6,562	2	0	1	128	7,210	2	0	2	140	7,210	2	0	2	140
P2	72W	R2	8,901	2	0	1	123	9,878	2	0	2	137	9,878	2	0	2	137
		R3	8,859	2	0	2	124	9,843	2	0	2	137	9,843	2	0	2	137
		R3S	9,098	2	0	2	126	10,106	2	0	2	139	10,106	2	0	2	139
		R4	9,077	2	0	2	126	9,972	2	0	2	139	9,972	2	0	2	139
		R4S	8,757	1	0	2	122	9,422	2	0	2	134	9,422	2	0	2	134
		R5	9,106	4	0	2	126	10,106	4	0	2	140	10,106	4	0	2	140
		R5S	9,440	3	0	1	131	10,374	3	0	1	144	10,374	3	0	1	144
		AFR	8,979	2	0	1	125	9,865	2	0	1	137	9,865	2	0	1	137
		AFRR90	9,064	3	0	2	124	9,959	3	0	2	137	9,959	3	0	2	137
		AFRL90	9,102	3	0	2	125	10,001	3	0	2	137	10,001	3	0	2	137
P3	109W	R2	12,808	2	0	1	117	14,073	2	0	2	129	14,073	2	0	2	129
		R3	12,760	2	0	2	117	14,020	2	0	2	129	14,020	2	0	2	129
		R3S	13,104	2	0	2	120	14,397	2	0	2	132	14,397	2	0	2	132
		R4	12,930	2	0	2	119	14,206	2	0	2	130	14,206	2	0	2	130
		R4S	12,468	2	0	2	114	13,707	2	0	2	126	13,707	2	0	2	126
		R5	13,104	4	0	2	120	14,397	4	0	2	132	14,397	4	0	2	132
		R5S	13,452	3	0	2	123	14,779	3	0	2	136	14,779	3	0	2	136
		AFR	12,791	2	0	1	117	14,053	2	0	2	129	14,053	2	0	2	129
		AFRR90	12,913	3	0	2	118	14,187	3	0	3	130	14,187	3	0	3	130
		AFRL90	12,967	3	0	2	119	14,247	3	0	3	131	14,247	3	0	3	131
P4	133W	R2	14,940	2	0	2	112	16,417	2	0	2	123	16,417	2	0	2	123
		R3	14,890	2	0	2	112	16,360	2	0	2	123	16,360	2	0	2	123
		R3S	15,287	2	0	2	115	16,796	2	0	2	126	16,796	2	0	2	126
		R4	15,085	2	0	3	113	16,574	2	0	3	125	16,574	2	0	3	125
		R4S	14,554	2	0	2	109	15,991	2	0	2	120	15,991	2	0	2	120
		R5	15,287	4	0	2	115	16,796	4	0	2	126	16,796	4	0	2	126
		R5S	15,630	4	0	2	118	17,242	4	0	2	130	17,242	4	0	2	130
		AFR	14,923	2	0	2	112	16,395	2	0	2	123	16,395	2	0	2	123
		AFRR90	15,065	3	0	3	113	16,551	3	0	3	124	16,551	3	0	3	124
		AFRL90	15,126	3	0	3	114	16,621	3	0	3	125	16,621	3	0	3	125

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LIGHT FIXTURE TYPE "SLB":

RSX1 LED
Area Luminaire

Buy American

Catalog Number
Notes
Type

Specifications will be based on image used. See page 9 for all dimensional drawings.

Specifications

EPA (ft²·@0°):	0.57 ft² (0.05 m²)
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Height:	3.0" (7.6 cm) Main Body 7.2" (18.4 cm) Arm
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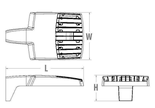

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DNAXD

Options	Finish
Shipped Installed HS House-side shield [1] PE Photocontrol, button style [6] PEX Photocontrol external threaded, adjustable [1,6] PER7 Seven-wire twist-lock receptacle only (no controls) [6,13,23] CE34 Conduit entry 3/4"NPT (Qty 2) SF Single fuse (120, 277, 347) [1] DF Double fuse (208, 240, 480) [1] SPD20KV 20KV Surge pack (10KV standard) FAO Field adjustable output [4,5] DMG 0-10V dimming extend out back of housing for external control (control ordered separate) [4,8] **Shipped Installed** ***Standalone and Networked Sensors/Controls (factory default settings, see table page 9)** NLTAIR2 nLight AIR generation 2 [9,24,25] PIRHN Networked, 8-Level motion/ambient sensor (for use with NLTAIR2) [9,24,26] BAA Buy America(n) Act Compliant ***Note: PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted.** **Shipped Separately (requires some field assembly)** EGS External glare shield [7] EGFV External glare full visor (360° around light aperture) [7] BS Bird spikes [9]	DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DDBTXD Textured Dark Bronze DBLBXD Textured Black DNATXD Textured Natural Aluminum DWHGXD Textured White

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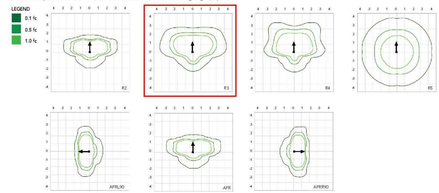
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's RSX Area homepages.

Isofootcandle plots for the RSX1 LED P4 40K. Distances are in units of mounting height (20').

LEGEND
- 0.1 fc
- 0.5 fc
- 1.0 fc



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

		Current (A)					
Performance Package	System Watts (W)	120V	208V	240V	277V	347V	480V
P1	51W	0.42	0.25	0.21	0.19	0.14	0.11
P2	72W	0.60	0.35	0.30	0.26	0.21	0.15
P3	109W	0.91	0.52	0.45	0.39	0.31	0.25
P4	133W	1.11	0.64	0.55	0.48	0.38	0.27

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Distribution Type	3K (3000K, 70 CRI)				4K (4000K, 70 CRI)				5K (5000K, 70 CRI)			
			Lumens	B	U	LPW	Lumens	B	U	LPW	Lumens	B	U	LPW
P1	51W	R2	6,482	1	0	3	126	7,121	1	0	3	139	7,121	1	0	3	139
		R3	6,459	1	0	2	127	7,096	1	0	2	139	7,096	1	0	2	139
		R3S	6,631	1	0	1	129	7,286	1	0	2	142	7,286	1	0	2	142
		R4	6,542	1	0	2	128	7,189	1	0	2	141	7,189	1	0	2	141
		R4S	6,313	1	0	1	124	6,936	1	0	1	136	6,936	1	0	1	136
		R5	6,611	3	0	2	130	7,266	3	0	2	143	7,266	3	0	2	143
		R5S	6,807	3	0	1	133	7,479	3	0	1	147	7,479	3	0	1	147
		AFR	6,473	1	0	1	127	7,112	1	0	1	139	7,112	1	0	1	139
		AFRR90	6,535	2	0	2	127	7,179	2	0	2	140	7,179	2	0	2	140
		AFRL90	6,562	2	0	1	128	7,210	2	0	2	140	7,210	2	0	2	140
P2	72W	R2	8,901	2	0	1	123	9,878	2	0	2	137	9,878	2	0	2	137
		R3	8,859	2	0	2	124	9,843	2	0	2	137	9,843	2	0	2	137
		R3S	9,098	2	0	2	126	10,106	2	0	2	139	10,106	2	0	2	139
		R4	9,077	2	0	2	126	9,972	2	0	2	139	9,972	2	0	2	139
		R4S	8,757	1	0	2	122	9,422	2	0	2	134	9,422	2	0	2	134
		R5	9,106	4	0	2	126	10,106	4	0	2	140	10,106	4	0	2	140
		R5S	9,440	3	0	1	131	10,374	3	0	1	144	10,374	3	0	1	144
		AFR	8,979	2	0	1	125	9,865	2	0	1	137	9,865	2	0	1	137
		AFRR90	9,064	3	0	2	124	9,959	3	0	2	137	9,959	3	0	2	137
		AFRL90	9,102	3	0	2	125	10,001	3	0	2	137	10,001	3	0	2	137
P3	109W	R2	12,808	2	0	1	117	14,073	2	0	2	129	14,073	2	0	2	129
		R3	12,760	2	0	2	117	14,020	2	0	2	129	14,020	2	0	2	129
		R3S	13,104	2	0	2	120	14,397	2	0	2	132	14,397	2	0	2	132
		R4	12,930	2	0	2	119	14,206	2	0	2	130	14,206	2	0	2	130
		R4S	12,468	2	0	2	114	13,707	2	0	2	126	13,707	2	0	2	126
		R5	13,104	4	0	2	120	14,397	4	0	2	132	14,397	4	0	2	132
		R5S	13,452	3	0	2	123	14,779	3	0	2	136	14,779	3	0	2	136
		AFR	12,791	2	0	1	117	14,053	2	0	2	129	14,053	2	0	2	129
		AFRR90	12,913	3	0	2	118	14,187	3	0	3	130	14,187	3	0	3	130
		AFRL90	12,967	3	0	2	119	14,247	3	0	3	131	14,247	3	0	3	131
P4	133W	R2	14,940	2	0	2	112	16,417	2	0	2	123	16,417	2	0	2	123
		R3	14,890	2	0	2	112	16,360	2	0	2	123	16,360	2	0	2	123
		R3S	15,287	2	0	2	115	16,796	2	0	2	126	16,796	2	0	2	126
		R4	15,085	2	0	3	113	16,574	2	0	3	125	16,574	2	0	3	125
		R4S	14,554	2	0	2	109	15,991	2	0	2	120	15,991	2	0	2	120
		R5	15,287	4	0	2	115	16,796	4	0	2	126	16,796	4	0	2	126
		R5S	15,630	4	0	2	118	17,242	4	0	2	130	17,242	4	0	2	130
		AFR	14,923	2	0	2	112	16,395	2	0	2	123	16,395	2	0	2	123
		AFRR90	15,065	3	0	3	113	16,551	3	0	3	124	16,551	3	0	3	124
		AFRL90	15,126	3	0	3	114	16,621	3	0	3	125	16,621	3	0	3	125

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CLIENT/DEVELOPER???:

S.A. CASEY CONSTRUCTION

C4 ARCHITECTURE
135 West Central Blvd., Suite 400
Orlando, Florida 32801
TEL: 407.363.6136
AA26001097

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Revisions:

Scale: AS NOTED
Date: 05/25/22
Drawn By: MD
Checked By: DDL

HOGSHEAD WAREHOUSE
HOGSHEAD WAREHOUSE
3716 HOGSHEAD ROAD
APOPKA, FL 32703

SITE PHOTOMETRIC CUTSHEETS

Certified By:

DREW DOUGLAS LILES LICENSE No 74669 05/25/22 STATE OF FLORIDA PROFESSIONAL ENGINEER

Drawing Number:
E202
Of Sheets

Issuance:

A/E Job Number:
22165

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LIGHT FIXTURE TYPE "WPA":

WDGE3 LED
Architectural Wall Sconce

DLC DLC PLUS UL Listed Buy American

DLC 5.1 DLC 20

Catalog Number
Notes
Type

Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE3 has been designed to deliver up to 12,000 lumens through a precision refractive lens with wide distribution, perfect for augmenting the lighting from pole mounted luminaires.

Specifications

Depth (D1): 8"
Depth (D2): 1.5"
Height: 9"
Width: 18"
Weight: (without options) 19.5 lbs

WDGE LED Family Overview

Luminaire	Standard EM, 0°C	Cold EM, -20°C	Sensor	Lumens (4000K) P1	P2	P3	P4	P5	P6
WDGE1 LED	4W	--	--	1,200	2,000	--	--	--	--
WDGE2 LED	10W	10W	Standalone / nLight	1,200	2,000	3,000	4,500	6,000	--
WDGE3 LED	15W	10W	Standalone / nLight	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	--	--	Standalone / nLight	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE3 LED P3 40K 70CRI R3 MVOLT SRM DDBXD

WDGE3 LED	P2	40K	70CRI	RFT	MVOLT
Series	**Package**	**Color Temperature**	**CRI**	**Distribution**	**Voltage**	**Mounting**
WDGE3 LED	P1	30K 3000K	70CRI	R2 Type 2	MVOLT	**Shipped included**
	P2	40K 4000K	80CRI	R3 Type 3	347[1]	SRM Surface mounting bracket
	P3	50K 5000K		R4 Type 4	480[1]	ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only)[2]
	P4			RFT Forward Throw		

Shipped separately
AWS 3/8inch Architectural wall spacer
PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.

DNAXD

Options		Finish	
E15WH	Emergency battery backup, Certified in CA Title 20 MAEDBS (15W, 0°C min)	DDBXD	Dark bronze
E20WC	Emergency battery backup, Certified in CA Title 20 MAEDBS (15W, -20°C min)	DBLXD	Black
PE[2]	Photocell, Button Type	DNAXD	Natural aluminum
DMG[3]	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)	DWHXD	White
BCE	Bottom conduit entry for back box (PBBW). Total of 4 entry points.	DSSXD	Sandstone
SPD10KV	10kV Surge pack	DDBTXD	Textured dark bronze
BAA	Buy American Act Compliant	DBLBXD	Textured black
		DNATXD	Textured natural aluminum
		DWHGXD	Textured white
		DSSTXD	Textured sandstone

Standalone Sensors/Controls
PIR Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.
PIRH Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.
PIR1FC3V Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.
PIRH1FC3V Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.

Networked Sensors/Controls
NLTAIR2 PIR nLight AIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights.
NLTAIR2 PIRH nLight AIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights.
See page 4 for out of box functionality.

Accessories
Ordered and shipped separately.

WDGAWS DDBXD WDGE 3 8inch Architectural Wall Spacer (specify finish)
WDGPBBW DDBXD U WDGBU surface-mounted back box (specify finish)

NOTES
1 347V and 480V not available with E15WH and E20WC.
2 PE not available in 480V and with sensors/controls.
3 DMG option not available with sensors/controls.
4 Not qualified for DLC. Not available with emergency battery backup or sensors/controls.

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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	30K (3000K, 70 CRI) Lumens	LPW	B	U	G	40K (4000K, 70 CRI) Lumens	LPW	B	U	G	50K (5000K, 70 CRI) Lumens	LPW	B	U	G
P1	52W	R2	7,037	136	1	0	1	7,649	148	2	0	1	7,649	148	2	0	1
		R3	6,922	134	1	0	2	7,524	145	1	0	2	7,524	145	1	0	2
		R4	7,133	138	1	0	2	7,751	150	1	0	2	7,751	150	1	0	2
		RFT	6,985	135	1	0	2	7,592	147	1	0	2	7,592	147	1	0	2
P2	59W	R2	7,968	135	2	0	1	8,663	147	2	0	1	8,663	147	2	0	1
		R3	7,838	133	1	0	2	8,519	144	1	0	2	8,519	144	1	0	2
		R4	8,077	137	1	0	2	8,779	149	1	0	2	8,779	149	1	0	2
		RFT	7,909	134	1	0	2	8,597	146	2	0	2	8,597	146	2	0	2
P3	71W	R2	9,404	132	2	0	1	10,221	143	2	0	1	10,221	143	2	0	1
		R3	9,250	130	2	0	2	10,054	141	2	0	2	10,054	141	2	0	2
		R4	9,532	134	2	0	2	10,363	145	2	0	2	10,363	145	2	0	2
		RFT	9,334	131	2	0	2	10,146	142	2	0	2	10,146	142	2	0	2
P4	88W	R2	11,380	129	2	0	1	12,369	140	2	0	1	12,369	140	2	0	1
		R3	11,194	127	2	0	2	12,167	138	2	0	2	12,167	138	2	0	2
		R4	11,535	131	2	0	2	12,538	142	2	0	2	12,538	142	2	0	2
		RFT	11,295	128	2	0	2	12,277	139	2	0	2	12,277	139	2	0	2

Electrical Load

Performance Package	System Watts	Current (A) 120V	208V	240V	277V	347V	480V
P1	52W	0.437	0.246	0.213	0.186	0.150	0.110
P2	59W	0.498	0.287	0.253	0.220	0.175	0.126
P3	71W	0.598	0.344	0.300	0.262	0.210	0.152
P4	88W	0.727	0.424	0.373	0.333	0.260	0.190

Lumen Output in Emergency Mode (4000K, 70 CRI)

Option	Dist. Type	Lumens
E15WH	R2	1,185
	R3	1,133
	R4	1,229
	RFT	1,162
E20WC	R2	1,669
	R3	1,609
	R4	1,739
	RFT	1,642

Lumen Multiplier for 80CRI

CCT	Multiplier
30K	0.891
40K	0.906
50K	0.906

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C	1.05
10°C	1.03
20°C	1.01
25°C	1.00
30°C	0.99
40°C	0.97

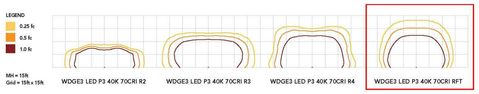
Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).
To calculate L87, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.98	>0.97	>0.92

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.



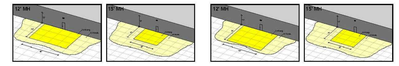
Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain, minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

The examples below show illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E15WH or E20WC and R4 distribution.



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WDGE3 LED Rev. 03/01/22

LIGHT FIXTURE TYPE "WPB":

WDGE3 LED
Architectural Wall Sconce

DLC DLC PLUS UL Listed Buy American

DLC 5.1 DLC 20

Catalog Number
Notes
Type

Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing a true site-wide solution. Embedded with nLight® AIR wireless controls, the WDGE family provides additional energy savings and code compliance.

WDGE3 has been designed to deliver up to 12,000 lumens through a precision refractive lens with wide distribution, perfect for augmenting the lighting from pole mounted luminaires.

Specifications

Depth (D1): 8"
Depth (D2): 1.5"
Height: 9"
Width: 18"
Weight: (without options) 19.5 lbs

WDGE LED Family Overview

Luminaire	Standard EM, 0°C	Cold EM, -20°C	Sensor	Lumens (4000K) P1	P2	P3	P4	P5	P6
WDGE1 LED	4W	--	--	1,200	2,000	--	--	--	--
WDGE2 LED	10W	10W	Standalone / nLight	1,200	2,000	3,000	4,500	6,000	--
WDGE3 LED	15W	10W	Standalone / nLight	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	--	--	Standalone / nLight	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE3 LED P3 40K 70CRI R3 MVOLT SRM DDBXD

WDGE3 LED	P3	40K	70CRI	RFT	MVOLT
Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting
WDGE3 LED	P1 P2 P3 P4	30K 3000K 40K 4000K 50K 5000K	70CRI 80CRI	R2 Type 2 R3 Type 3 R4 Type 4 RFT Forward Throw	MVOLT 347[1] 480[1]	Shipped included SRM Surface mounting bracket ICW Indirect Canopy/Ceiling Washer bracket (dry/damp locations only)[2]

Shipped separately
AWS 3/8inch Architectural wall spacer
PBBW Surface-mounted back box (top, left, right conduit entry). Use when there is no junction box available.

DNAXD

Options

E15WH Emergency battery backup, Certified in CA Title 20 MAEDBS (15W, 0°C min)
E20WC Emergency battery backup, Certified in CA Title 20 MAEDBS (15W, -20°C min)
PE[2] Photocell, Button Type
DMG[3] 0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)
BCE Bottom conduit entry for back box (PBBW). Total of 4 entry points.
SPD10KV 10kV Surge pack
BAA Buy American Act Compliant

Standalone Sensors/Controls
PIR Bi-level (100/35%) motion sensor for 8-15' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.
PIRH Bi-level (100/35%) motion sensor for 15-30' mounting heights. Intended for use on switched circuits with external dusk to dawn switching.
PIR1FC3V Bi-level (100/35%) motion sensor for 8-15' mounting heights with photocell pre-programmed for dusk to dawn operation.
PIRH1FC3V Bi-level (100/35%) motion sensor for 15-30' mounting heights with photocell pre-programmed for dusk to dawn operation.

Networked Sensors/Controls
NLTAIR2 PIR nLight AIR Wireless enabled bi-level motion/ambient sensor for 8-15' mounting heights.
NLTAIR2 PIRH nLight AIR Wireless enabled bi-level motion/ambient sensor for 15-30' mounting heights.
See page 4 for out of box functionality.

Finish

DDBXD Dark bronze
DBLXD Black
DNAXD Natural aluminum
DWHXD White
DSSXD Sandstone
DDBTXD Textured dark bronze
DBLBXD Textured black
DNATXD Textured natural aluminum
DWHGXD Textured white
DSSTXD Textured sandstone

Accessories
Ordered and shipped separately.

WDGAWS DDBXD WDGE 3 8inch Architectural Wall Spacer (specify finish)
WDGPBBW DDBXD U WDGBU surface-mounted back box (specify finish)

NOTES
1 347V and 480V not available with E15WH and E20WC.
2 PE not available in 480V and with sensors/controls.
3 DMG option not available with sensors/controls.
4 Not qualified for DLC. Not available with emergency battery backup or sensors/controls.

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WDGE3 LED Rev. 03/01/22

Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	30K (3000K, 70 CRI) Lumens	LPW	B	U	G	40K (4000K, 70 CRI) Lumens	LPW	B	U	G	50K (5000K, 70 CRI) Lumens	LPW	B	U	G
P1	52W	R2	7,037	136	1	0	1	7,649	148	2	0	1	7,649	148	2	0	1
		R3	6,922	134	1	0	2	7,524	145	1	0	2	7,524	145	1	0	2
		R4	7,133	138	1	0	2	7,751	150	1	0	2	7,751	150	1	0	2
		RFT	6,985	135	1	0	2	7,592	147	1	0	2	7,592	147	1	0	2
P2	59W	R2	7,968	135	2	0	1	8,663	147	2	0	1	8,663	147	2	0	1
		R3	7,838	133	1	0	2	8,519	144	1	0	2	8,519	144	1	0	2
		R4	8,077	137	1	0	2	8,779	149	1	0	2	8,779	149	1	0	2
		RFT	7,909	134	1	0	2	8,597	146	2	0	2	8,597	146	2	0	2
P3	71W	R2	9,404	132	2	0	1	10,221	143	2	0	1	10,221	143	2	0	1
		R3	9,250	130	2	0	2	10,054	141	2	0	2	10,054	141	2	0	2
		R4	9,532	134	2	0	2	10,363	145	2	0	2	10,363	145	2	0	2
		RFT	9,334	131	2	0	2	10,146	142	2	0	2	10,146	142	2	0	2
P4	88W	R2	11,380	129	2	0	1	12,369	140	2	0	1	12,369	140	2	0	1
		R3	11,194	127	2	0	2	12,167	138	2	0	2	12,167	138	2	0	2
		R4	11,535	131	2	0	2	12,538	142	2	0	2	12,538	142	2	0	2
		RFT	11,295	128	2	0	2	12,277	139	2	0	2	12,277	139	2	0	2

Electrical Load

Performance Package	System Watts	Current (A) 120V	208V	240V	277V	347V	480V
P1	52W	0.437	0.246	0.213	0.186	0.150	0.110
P2	59W	0.498	0.287	0.253	0.220	0.175	0.126
P3	71W	0.598	0.344	0.300	0.262	0.210	0.152
P4	88W	0.727	0.424	0.373	0.333	0.260	0.190

Lumen Output in Emergency Mode (4000K, 70 CRI)

Option	Dist. Type	Lumens
E15WH	R2	1,185
	R3	1,133
	R4	1,229
	RFT	1,162
E20WC	R2	1,669
	R3	1,609
	R4	1,739
	RFT	1,642

Lumen Multiplier for 80CRI

CCT	Multiplier
30K	0.891
40K	0.906
50K	0.906

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C	1.05
10°C	1.03
20°C	1.01
25°C	1.00
30°C	0.99
40°C	0.97

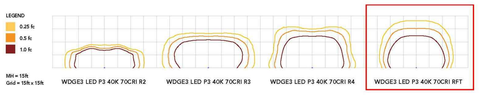
Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).
To calculate L87, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	>0.98	>0.97	>0.92

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting WDGE LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards.



LEGEND
0.25 fc
0.5 fc
1.0 fc
Mtl = 15ft
Grid = 10ft x 10ft
WDGE3 LED P3 40K 70CRI R2
WDGE3 LED P3 40K 70CRI R3
WDGE3 LED P3 40K 70CRI R4
WDGE3 LED P3 40K 70CRI RFT

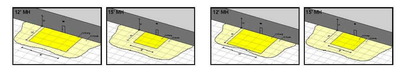
Emergency Egress Options

Emergency Battery Backup

The emergency battery backup is integral to the luminaire — no external housing required! This design provides reliable emergency operation while maintaining the aesthetics of the product. All emergency battery backup configurations include an independent secondary driver with an integral relay to immediately detect loss of normal power and automatically energize the luminaire. The emergency battery will power the luminaire for a minimum duration of 90 minutes (maximum duration of three hours) from the time normal power is lost and maintain, minimum of 60% of the light output at the end of 90minutes.

Applicable codes: NFPA 70/NEC – section 700.16, NFPA 101 Life Safety Code Section 7.9

The examples below show illuminance of 1 fc average and 0.1 fc minimum in emergency mode with E15WH or E20WC and R4 distribution.



Grid = 10ft x 10ft
12' 18'
WDGE3 LED xx 40K 70CRI R4 MVOLT E15WH
WDGE3 LED xx 40K 70CRI R4 MVOLT E20WC

LITHONIA LIGHTING. COMMERCIAL OUTDOOR One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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WDGE3 LED Rev. 03/01/22

CLIENT/DEVELOPER???:

S.A. CASEY CONSTRUCTION

ARCHITECTURE
135 West Central Blvd., Suite 400
Orlando, Florida 32801
TEL: 407.363.6136
AA26001097

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Revisions:

Scale: AS NOTED
Date: 05/25/22
Drawn By: MD
Checked By: DDL

HOGSHEAD WAREHOUSE
HOGSHEAD WAREHOUSE
3716 HOGSHEAD ROAD
APOPKA, FL 32703

SITE PHOTOMETRIC CUTSHEETS

Certified By:
DREW DOUGLAS LILES LICENSE
No 74669
05/25/22
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Drawing Number:
E203
Of Sheets

Issuance:

A/E Job Number:
22165

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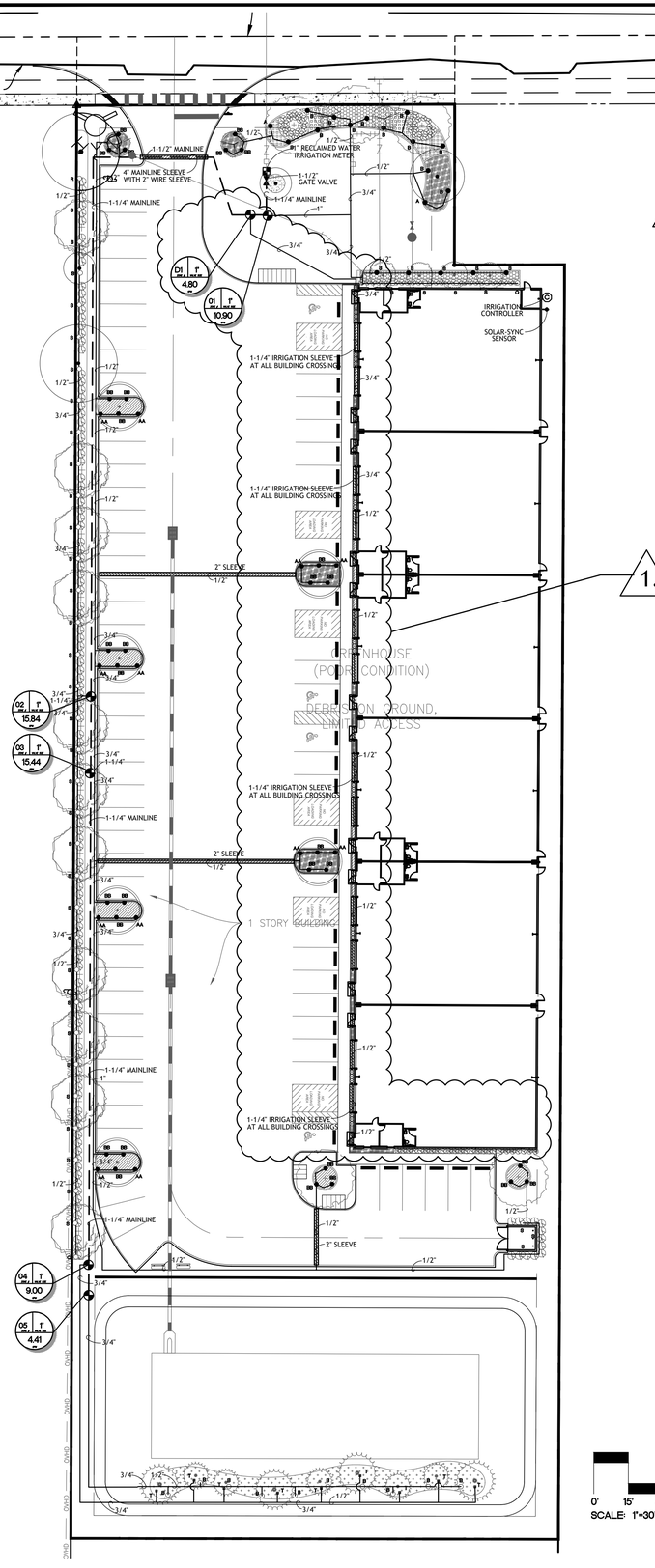


1.

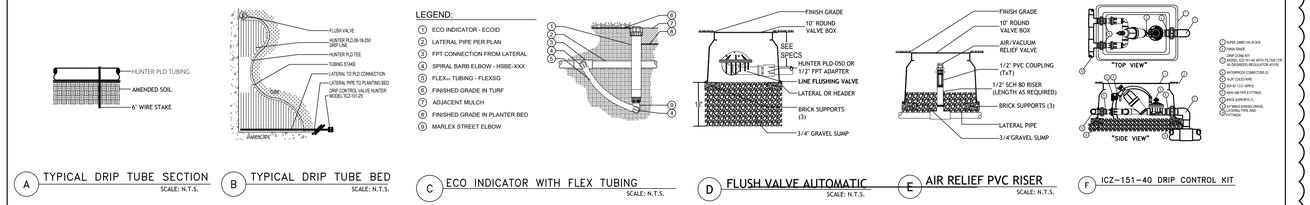
1.

PID: 01-21
OWNER: 36

SECTION

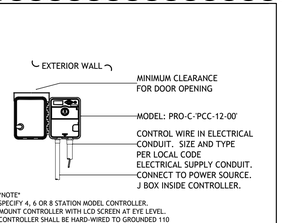
0' 15' 30' 60'
SCALE: 1"=30'-0"
NORTH

IRRIGATION DETAILS

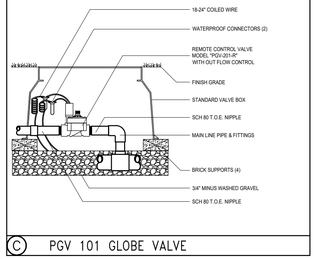


A TYPICAL DRIP TUBE SECTION — SCALE: N.T.S.
B TYPICAL DRIP TUBE BED — SCALE: N.T.S.
C ECO INDICATOR WITH FLEX TUBING — SCALE: N.T.S.
D FLUSH VALVE AUTOMATIC — SCALE: N.T.S.
E AIR RELIEF PVC RISER — SCALE: N.T.S.
F ICZ-151-40 DRIP CONTROL KIT

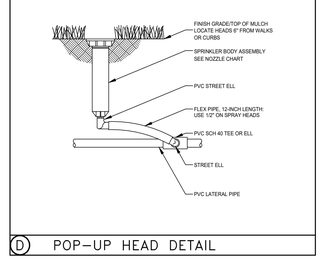
A DRIP IRRIATION DETAILS



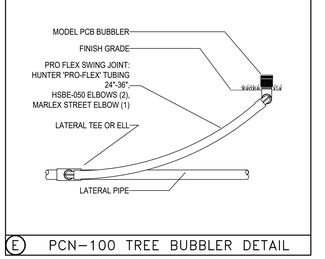
B PRO-C CONTROLLER



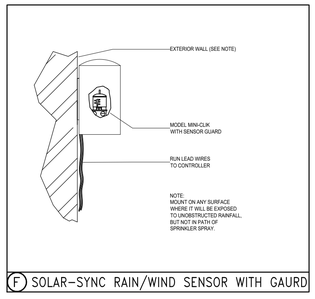
C PGV 101 GLOBE VALVE



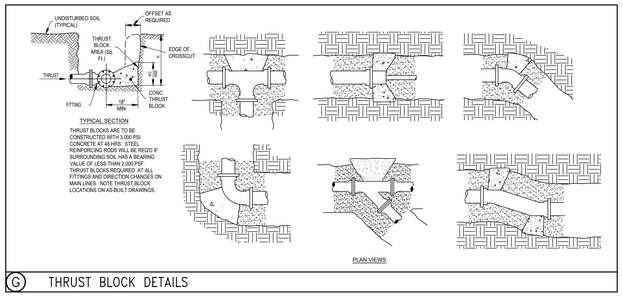
D POP-UP HEAD DETAIL



E PCN-100 TREE BUBBLER DETAIL



F SOLAR-SYNC RAIN/WIND SENSOR WITH GAURD



G THRUST BLOCK DETAILS

SPRAY NOZZLE CHART

TYPE	SYM	NOZZLE	NOZZLE PATTERN	GPM
MP1000 8'-15' radius	A	MAROON	90° ADJUSTABLE ARC	.21
	B	MAROON	180° ADJUSTABLE ARC	.42
	C	LT. BLUE	210° ADJUSTABLE ARC	.49
	D	LT. BLUE	270° ADJUSTABLE ARC	.63
	E	OLIVE	360° ARC	.84
MP2000 13'-21' radius	F	BLACK	90° ADJUSTABLE ARC	.43
	G	BLACK	180° ADJUSTABLE ARC	.77
	H	GREEN	210° ADJUSTABLE ARC	.86
	I	GREEN	270° ADJUSTABLE ARC	1.10
	J	RED	360° ARC	1.48
MP3000 22'-30' radius	K	BLUE	90° ADJUSTABLE ARC	.86
	L	BLUE	180° ADJUSTABLE ARC	1.82
	M	YELLOW	210° ADJUSTABLE ARC	2.12
	N	YELLOW	270° ADJUSTABLE ARC	2.73
	O	GRAY	360° ARC	3.64
STRIPS & CORNERS	P	TURQUOISE	45'-105° ADJUSTABLE ARC	.45
	Q	IVORY	5'x15' LEFT STRIP	.22
	R	COPPER	5'x15' RIGHT STRIP	.22
	S	BROWN	5'x30' SIDE STRIP	.44
BUBBLERS AND MICRO SPRAYS	T	PCH10	0.50 GPM FLOOD BUBBLER	.50
	U	PCH30	1.00 GPM FLOOD BUBBLER	1.00
	Y	SR-4Q	90° 4' RADIUS	.22
	W	SR-4H	180° 4' RADIUS	.44
MP800 6'-12' radius	AA	ORANGE	90° ADJUSTABLE ARC	.23
	BB	ORANGE	180° ADJUSTABLE ARC	.42
	CC	ORANGE	210° ADJUSTABLE ARC	.43
	DD	GREEN	360° ARC	.78

IRRIGATION NOTES

1) REFER TO THE LANDSCAPE PLANS WHEN TRENCHING TO AVOID TREES AND SHRUBS.
2) ALL MAINLINE PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 18" OF COVER. ALL LATERAL PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 12" OF COVER.
3) ALL POP-UP ROTORS AND SPRAY HEADS SHALL BE INSTALLED USING AN 18" P.V.C. FLEX PIPE CONNECTION. DO NOT USE FUNNY PIPE.
4) ADJUST ALL NOZZLES TO REDUCE WATER WASTE ON HARD SURFACES AND BUILDING WALLS.
5) THROTTLE ALL VALVES ON SHRUB LINES AS REQUIRED TO PREVENT FOGGING.
6) ABSOLUTELY NO RISERS SHALL BE USED ON THIS PROJECT.
7) ALL CONTROL WIRE SPLICES SHALL BE MADE IN VALVE BOXES USING SNAP-TITE CONNECTORS AND SEALANT.
8) THE CONTRACTOR SHALL PREPARE AN AS-BUILT DRAWING ON A REPRODUCIBLE PAPER (SEPIA OR MYLAR) SHOWING ALL INSTALLED IRRIGATION. A MYLAR OR SEPIA OF THE ORIGINAL PLAN MAY BE OBTAINED FROM THE LANDSCAPE ARCHITECT FOR A FEE. THE DRAWING SHALL LOCATE ALL MAINLINE AND VALVES BY SHOWING EXACT MEASUREMENTS FROM HARD SURFACES.
9) ALL VALVES, GATE VALVES AND QUICK COUPLERS SHALL BE INSTALLED IN VALVE BOXES.
10) ANY PIPING SHOWN OUTSIDE THE PROPERTY LINE OR RUNNING OUTSIDE A LANDSCAPE AREA IS SHOWN THERE FOR CLARITY ONLY. ALL LINES SHALL BE INSTALLED ON THE PROPERTY AND INSIDE THE LANDSCAPE AREAS.
11) THE EXACT HEIGHT OF ANY 12" POP-UP THAT IS SHOWN IN A SHRUB BED SHALL BE DETERMINED BY THE LANDSCAPE ARCHITECT IN THE FIELD.
12) THE CONTRACTOR SHALL EXERCISE CARE SO AS NOT TO DAMAGE ANY EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REPAIRS AND COST OF ANY DAMAGE CAUSED BY HIS WORK.
13) ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AGAINST ALL DEFECTS IN EQUIPMENT AND WORKMANSHIP.
14) CONTRACTOR TO USE MIN. OF 12 GAUGE WIRE FOR ALL COMMON WIRES AND 14 GAUGE WIRE FOR ALL CONTROL WIRES. CONTRACTOR ALSO TO PROVIDE 3 SPARE CONTROL WIRES FOR ANY FUTURE USE.
15) CONCRETE THRUST BLOCKS ARE TO BE UTULIZED AT ALL MAINLINE DIRECTION CHANGES.
16) ALL IRRIGATION SHOWN ON PLANS IS SCHEMATIC AND DOES NOT REFLECT ALL FITTINGS AND APPURTENANCES WHICH SHALL BE INCLUDED TO PROVIDE A FULLY FUNCTIONAL IRRIGATION SYSTEM CAPABLE OF PROVIDING 100 PERCENT COVERAGE WITH A 50 PERCENT OVERLAP.

IRRIGATION EQUIPMENT LIST

1.

SYMBOL	DESCRIPTION	QUANTITY
-------	HUNTER INDUSTRIES 'PLD-06-18' DRIP TUBING	480 L.F.
□	HUNTER INDUSTRIES PCN BUBBLER	9
⬢	12" POP-UP SPRAY – HUNTER IND. 'PROS-12-PRS40' BODY W/MP800 NOZZLES	42
○	6" POP-UP SPRAY – HUNTER IND. 'PROS-06-PRS40' BODY W/MP1000 NOZZLES	43
●	12" POP-UP SPRAY – HUNTER INDUSTRIES MPR40 W/MP1000 NOZZELS	19
◓	HUNTER 'ICV-101-25' DRIP CONTROL VALVE KIT WITH PRESSURE REGULATION 1"	1
◓	HUNTER 'PGV' SERIES ELECTRIC VALVE WITH ACCU-SET PRESSURE REGULATOR 1"	5
Ⓒ	HUNTER PRO-C "PCC-12-00" CONTROLLER, 12 STATION UNIT WITH PLASTIC CABINET. (MOUNT ON SIDE OF WALL GC TO PROVIDE POWER)	1
⊕	HUNTER "SOLAR-SYNC" SENSOR SYSTEM	1
◪	1" RECLAIMED WATER IRRIGATION METER PROVIDE 24 GPM AT 40 PSI	1 (BY OWNER)
⋈	1-1/2" IRRIGATION GATE VALVE	1
——	LATERAL LINE SIZE PER PLAN	SEE PLAN
-----	1-1/2" MAINLINE CLASS 200 P.V.C. SIZE PER PLAN	SEE PLAN
▭	SLEEVING – SCH. 40 P.V.C. MIN. DEPTH OF 24"	SEE PLAN

ZONE NUMBER — 1 (ZONE #) — 1.5" (VALVE SIZE) — 26.00 (GPM) — GALLONS PER MINUTE

BORRELLI + PARTNERS
ARCHITECTURE PLANNING LANDSCAPE INTERIOR
AAC 0001772
720 VIA TORINO STREET, ORLANDO, FL 32804 (407) 418-1338

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SIGNATURE AND DATED SEAL

LICENSED LANDSCAPE ARCHITECT CHRISTOPHER D. RICCA 6667122 STATE OF FLORIDA

CHRISTOPHER D. RICCA#6667122

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3rd PARITY VERIFICATION

HOGSHEAD ROAD INDUSTRIAL BUILDING

DRAWING TITLE: IRRIGATION PLAN AND DETAILS

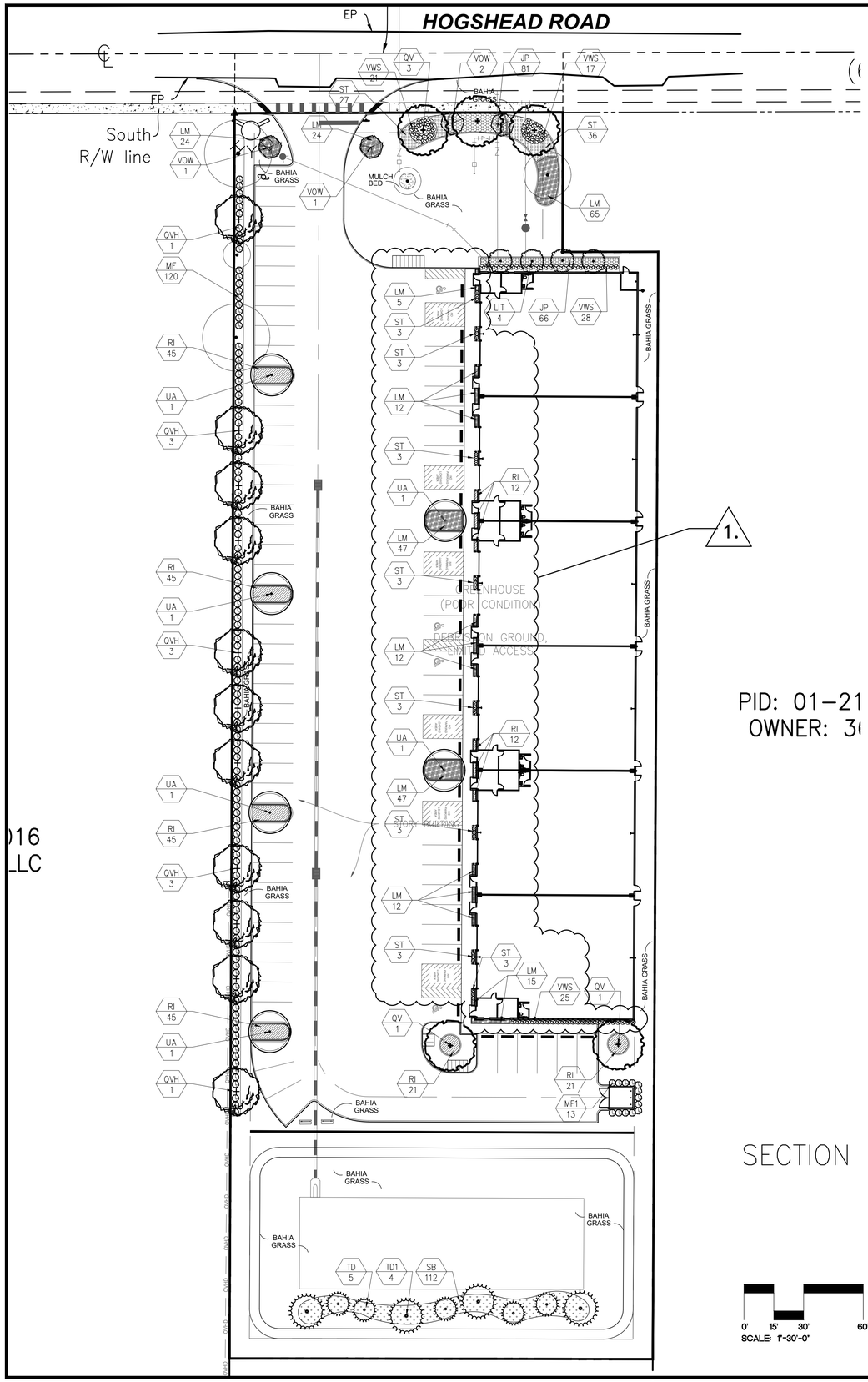
PROJECT ADDRESS

OWNER NAME AND ADDRESS

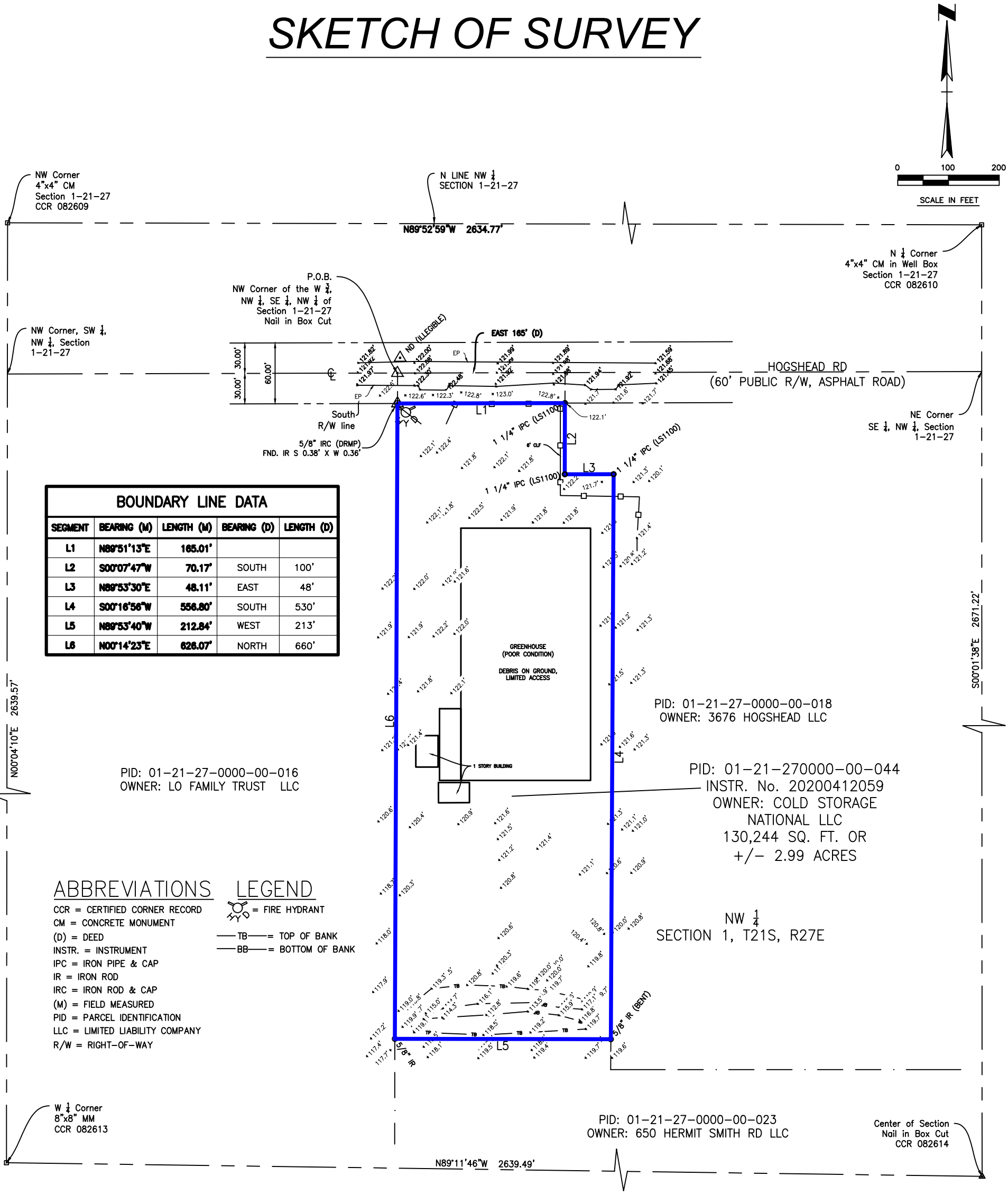
REV.	DESCRIPTION	DATE
1.	CITY COMMENTS	08/04/22

PROJECT NO.	22-022
PHASE	CONSTRUCTION DOCUMENTS
SCALE	1"=30'-0"
FILE NAME	22-022
DRAWN BY	CDR
CHECKED BY	CDR
DATE	02-22-22

I-100


HOGSHEAD ROAD
EP
CL
South
R/W line
BAHIA GRASS
MULCH BED
GREENHOUSE
(POOR CONDITION)
DEBRIS ON GROUND
BLOCKED ACCESS
STORAGE BUILDING
BAHIA GRASS
BAHIA GRASS
BAHIA GRASS

SKETCH OF SURVEY



BOUNDARY LINE DATA				
SEGMENT	BEARING (M)	LENGTH (M)	BEARING (D)	LENGTH (D)
L1	N89°51'13"E	165.01'		
L2	S00°07'47"W	70.17'	SOUTH	100'
L3	N89°53'30"E	48.11'	EAST	48'
L4	S00°16'56"W	556.80'	SOUTH	530'
L5	N89°53'40"W	212.84'	WEST	213'
L6	N00°14'23"E	626.07'	NORTH	660'

ABBREVIATIONS

CCR = CERTIFIED CORNER RECORD
CM = CONCRETE MONUMENT
(D) = DEED
INSTR. = INSTRUMENT
IPC = IRON PIPE & CAP
IR = IRON ROD
IRC = IRON ROD & CAP
(M) = FIELD MEASURED
PID = PARCEL IDENTIFICATION
LLC = LIMITED LIABILITY COMPANY
R/W = RIGHT–OF–WAY

LEGEND

FH = FIRE HYDRANT
TB = TOP OF BANK
BB = BOTTOM OF BANK

SURVEYOR'S NOTES:

1. THIS IS A TOPOGRAPHIC AND BOUNDARY SURVEY AS DEFINED IN CHAPTER 5J–17, FLORIDA ADMINISTRATIVE CODE. THIS SURVEY MEETS THE STANDARDS OF PRACTICE FOR SURVEYING AND MAPPING, AS SET FORTH THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J–17, FLORIDA ADMINISTRATIVE CODE, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.

2. LEGAL DESCRIPTION PROVIDED BY THE CLIENT. NO SEARCH OF THE PUBLIC RECORDS WAS PERFORMED BY THE SURVEYOR.

3. BEARINGS AND COORDINATES AS SHOWN HEREON ARE BASED ON FLORIDA EAST ZONE STATE PLANE COORDINATES, NORTH AMERICAN DATUM OF 1983 (NAD83) ADJUSTMENT OF 2011 AND WERE ESTABLISHED BY REDUNDANT GPS OBSERVATIONS UTILIZING THE FLORIDA PERMANENT REFERENCE NETWORK (FPRN).

4. LOCATION OF IMPROVEMENTS SHOWN HEREON WERE OBSERVED UTILIZING REAL TIME KINEMATIC (RTK) GPS PROCEDURES WHICH MEET OR EXCEED THIRD ORDER CLASS 1 SPECIFICATIONS AS WELL AS A TRIMBLE S–6 ROBOTIC TOTAL STATION.

5. ELEVATIONS SHOWN HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND BASED FROM NATIONAL GEODETIC SURVEY PUBLISHED BENCHMARK "L 708 038", ELEVATION = 120.43'.

6. UNLESS IT BEARS THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER, THIS DRAWING, SKETCH, PLAT OR MAP(S) IS FOR INFORMATIONAL PURPOSE ONLY AND IS NOT VALID.

7. ADDITIONS OR DELETIONS TO THE SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT THE WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.

8. SUBJECT PARCEL IS WITHIN ZONE "X" PER FIRM MAP PANEL NO. 1209C0125F DATED 09–25–09.

Legal Description:

Begin at the the NW corner of the West 3/4 of the NW 1/4 of the SE 1/4 of the NW 1/4, thence run East 165 feet, thence South 100 feet, thence East 48 feet, thence South 530 feet, more of less to the South Boundary of the NW 1/4 of the SE 1/4 of the NW 1/4. thence run West along said line, 213 feet, more or less to the SW corner of the NW 1/4 of the SE 1/4 of the NW 1/4, thence run North 660 feet, more or less to the P.O.B. Less the North 30 feet of the West 165 feet for road, all being in Section 1, Township 21 South, Range 27 East, Public Records of Orange County, Florida.

Containing 2.99 acres, more or less.

SURVEYOR'S CERTIFICATION:

I hereby certify that this survey meets the "Standards of Practice" as set forth in Rule 5J–17 of the Florida Administrative Code.

SIGNATURE — 12/8/2021 Date of Last Field Work
Chris J. Lindstedt
Florida Surveyor and Mapper No. 6372
Not valid without the signature and the original raised seal of a Florida Licensed Surveyor and Mapper.

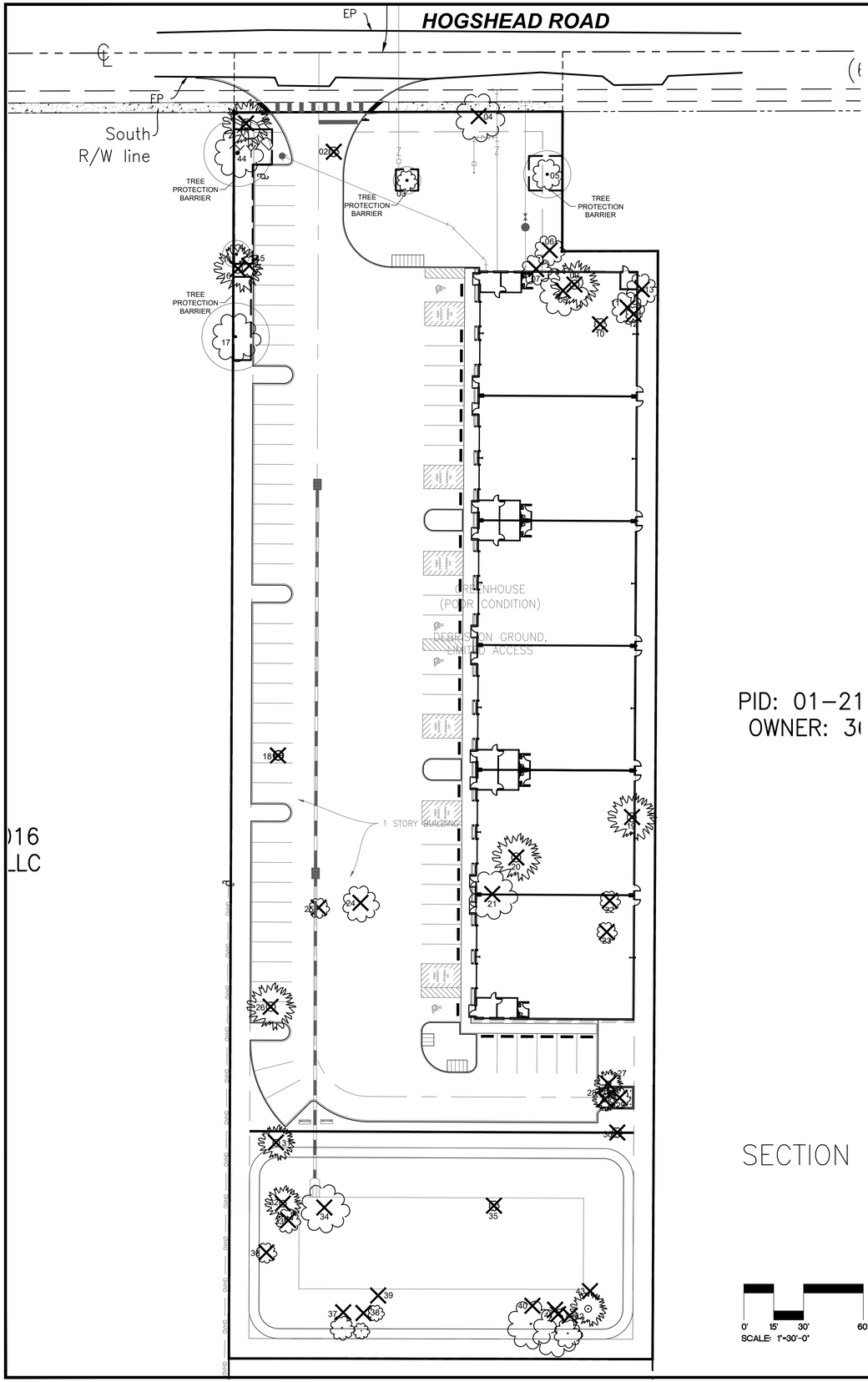
Base Line Land Surveyors, Inc.
Florida Certificate of Authorization Number 2628
(LB 2628 = Licensed Business Number 2628)

Date:	14DEC21
Drawn:	DJI
Checked:	CJL
Approved:	CJL
Project No.:	N/A

3761 Hogshead Rd
Apopka, FL 32703

BOUNDARY & TOPOGRAPHIC SURVEY

BLS
BASE LINE LAND SURVEYORS
15351 AMBERBEAM BLVD.
WINTER GARDEN, FL. 34787
321.377.0390 · L.B. 2628



PID: 01-21
OWNER: 3

SECTION

0' 15' 30' 60'
SCALE: 1"=30'-0"

NORTH

EXISTING TREE CHART

#	TREE TYPE	SIZE	REMOVED INCHES	SAVED INCHES	MITIGATION
1	PALM	24"	24"	-	0"
2	LIVE OAK	5"	5"	-	N/A
3	LIVE OAK	10"	-	10"	0"
4	LIVE OAK	24"	24"	-	24"
5	LIVE OAK	15"	-	15"	0"
6	LIVE OAK	15"	15"	-	15"
7	LIVE OAK	15"	15"	-	15"
8	LIVE OAK	24"	24"	-	24"
9	PALM	24"	24"	-	0"
10	LIVE OAK	6"	6"	-	6"
11	LIVE OAK	16"	16"	-	16"
12	LIVE OAK	8"	8"	-	8"
13	LIVE OAK	16"	16"	-	16"
14	LIVE OAK	10"	-	10"	0"
15	LIVE OAK	10"	10"	-	10"
16	PALM	24"	24"	-	0"
17	LIVE OAK	24"	-	24"	0"
18	CHERRY	5"	5"	-	N/A
19	PALM	24"	24"	-	0"
20	PALM	24"	24"	-	0"
21	LIVE OAK	24"	24"	-	24"
22	LIVE OAK	10"	10"	-	10"
23	LIVE OAK	10"	10"	-	10"
24	LIVE OAK	18"	18"	-	18"
25	LIVE OAK	10"	10"	-	10"
26	PALM	24"	24"	-	0"
27	PALM	14"	14"	-	0"
28	PALM	10"	10"	-	0"
29	LIVE OAK	12"	12"	-	12"
30	LIVE OAK	5"	5"	-	N/A
31	PALM	18"	18"	-	0"

EXISTING TREE CHART

#	TREE TYPE	SIZE	REMOVED INCHES	SAVED INCHES	MITIGATION
32	PALM	18"	18"	-	0"
33	LIVE OAK	12"	12"	-	12"
34	LIVE OAK	24"	24"	-	24"
35	LIVE OAK	12"	12"	-	12"
36	LIVE OAK	10"	10"	-	10"
37	LIVE OAK	12"	12"	-	12"
38	LIVE OAK	8"	8"	-	8"
39	LIVE OAK	8"	8"	-	8"
40	LIVE OAK	24"	24"	-	24"
41	LIVE OAK	24"	24"	-	24"
42	LIVE OAK	14"	14"	-	14"
43	PALM	18"	18"	-	0"
44	LIVE OAK	24"	-	24"	0"
	TOTALS	670"	981"	83"	366"

TREE REPLACEMENT CALCULATIONS

TOTAL ACTUAL REPLACEMENT

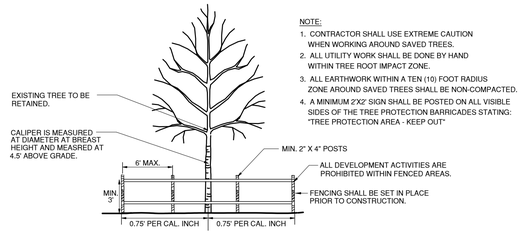
TOTAL PROTECTED INCHES ON SITE	451"
TOTAL PROTECTED INCHES REMOVED	366"
TOTAL PROTECTED INCHES PRESERVED	83"
TOTAL INCHES REQUIRING REPLACEMENT	283"
TOTAL PROPOSED INCHES	113.5"
TOTAL INCHES REQUIRING REPLACEMENT	169.5"

EXISTING TREE COVER

TOTAL SITE	130,118.00 S.F. / 2.99 ACRES
EXISTING CANOPY	19,124 S.F.
EXISTING CANOPY %	15.00%
EXISTING COVER FROM CHART	20.00%
MIN. REQUIRED @ 20%	7.00%
DIFFERENCE - 5% x 0.05(I-L) =	0.25%
FINAL CANOPY SAVE REQ.	7.25% OR 1,385 S.F.
% CANOPY SAVED	10.10% OR 1,926 S.F.

REPLACEMENT TREES

REPLACEMENT PROVIDED	QUANTITY	FINAL QUANTITY
AMERICAN ELM - 3" CAL.	6	18"
LIVE OAK - 4" CAL.	4	16"
LIVE OAK - HIGHRISE - 3" CAL.	11	33"
CRAPE MYRTLE - 2.5" CAL.	4	10"
WALTERS VIBURNUM - 2" CAL.	4	8"
BALD CYPRESS - 2.5" CAL.	5	12.5"
BALD CYPRESS - 4" CAL.	4	16"
TOTAL TREES PLANTED	38	113.5"



NOTE:
1. CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING AROUND SAVED TREES.
2. ALL UTILITY WORK SHALL BE DONE BY HAND WITHIN TREE ROOT IMPACT ZONE.
3. ALL EARTHWORK WITHIN A TEN (10) FOOT RADIUS ZONE AROUND SAVED TREES SHALL BE NON-COMPACTED.
4. A MINIMUM 2'X2' SIGN SHALL BE POSTED ON ALL VISIBLE SIDES OF THE TREE PROTECTION BARRICADES STATING: "TREE PROTECTION AREA - KEEP OUT"

NOTES: FENCING SHALL BE AT LEAST 3' ABOVE GROUND AND MIN. OF 3' BELOW GRADE.
THE MAXIMUM REQUIRED UNDISTURBED AREA SHALL NOT EXCEED 24' FROM CENTER OF TREE.

TREE PROTECTION DETAIL

BORRELLI + PARTNERS
ARCHITECTURE PLANNING LANDSCAPE INTERIOR
AA 26001
720 VIA CASA STREET
ORLANDO, FL 32804 (407) 418-1338

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SIGNATURE AND DATED SEAL

LICENSED LANDSCAPE ARCHITECT
CHRISTOPHER D. RICILA667122
STATE OF FLORIDA

CHRISTOPHER D. RICILA667122

THE DLP AND SEPA ELECTRONICALLY SIGNED AND SEALED USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

3rd PARITY VERIFICATION

HOGSHEAD ROAD INDUSTRIAL BUILDING

DRAWING TITLE
TREE MITIGATION PLAN
AND DETAILS

PROJECT ADDRESS

OWNER NAME AND ADDRESS

REV.	DESCRIPTION	DATE
1.	CITY COMMENTS	08/04/22

PROJECT NO.	22-022
PHASE	CONSTRUCTION DOCUMENTS
SCALE	1"=30'-0"
FILE NAME	22-022
DRAWN BY	CDR
CHECKED BY	CDR
DATE	02-22-22

T-100

HOGSHEAD WAREHOUSE

NEW CONSTRUCTION - WAREHOUSE

3716 HOGSHEAD ROAD
APOPKA, FLORIDA

OWNER:

LAUREL BODEGA, LLC
3243 BURCHFIELD AVE.
ORLANDO, FLORIDA 32812

CIVIL ENGINEER:

DAVE SCHMITT ENGINEERING, INC.
12301 LAKE UNDERHILL ROAD, SUITE 241
ORLANDO, FL 32828
PHONE: (407) 207-9088

CONTACT: DAVE SCHMITT, P.E.
EMAIL: DAVE.SCHMITT@DSEORL.COM

ARCHITECTURE, MECHANICAL, PLUMBING AND ELECTRICAL:

C4 ARCHITECTURE, LLC
135 WEST CENTRAL BLVD. SUITE 400
ORLANDO, FLORIDA 32801
PHONE: (407) 363-6136

ARCHITECTURE CONTACT: CORYC COOPER

EMAIL: CCOOPER@C4ARCHITECTURE.COM

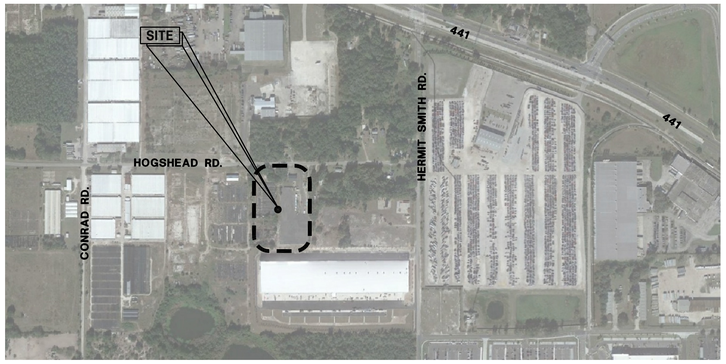
MECHANICAL & PLUMBING CONTACT: JOSE ZAMOT, PE
EMAIL: JZAMOT@C4ARCHITECTURE.COM

ELECTRICAL CONTACT: DREW LILES, PE
EMAIL: DLILES@C4ARCHITECTURE.COM

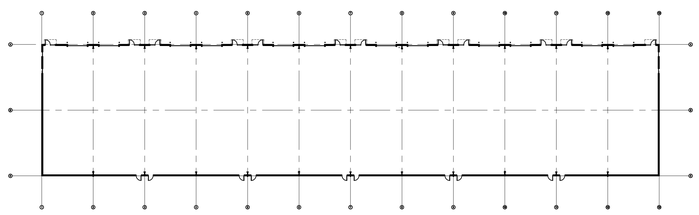
STRUCTURAL:

THE AVANTI GROUP, INC.
1345 N. FALKENBURG ROAD.
TAMPA, FL 33619
PHONE: (813) 655-2884

CONTACT: DAVID SCHONACHER, PE
EMAIL: DAVIDS@AVANTITAMPA.COM



VICINITY MAP
SCALE: N.T.S.



KEY PLAN
SCALE: N.T.S.

3D RENDERING
SCALE: N.T.S.

CODE INFORMATION

PROJECT SQUARE FOOTAGE:

STORAGE (S-1) ..... = 30,080 SQ. FT.

CONSTRUCTION TYPE:

TYPE II-B - UNPROTECTED, SPRINKLERED (FBC)
TYPE II(000) - UNPROTECTED, SPRINKLERED (NFPA)

OCCUPANCY:

S-1 - STORAGE PER FLORIDA BUILDING CODE, SEVENTH EDITION (2020)

APPLICABLE BUILDING CODES:

- FLORIDA BUILDING CODE, SEVENTH EDITION (2020)
- FLORIDA ENERGY CODE, SEVENTH EDITION (2020) - 2016 ASHRAE 90.1
- FLORIDA MECHANICAL CODE, SEVENTH EDITION (2020)
- FLORIDA PLUMBING CODE, SEVENTH EDITION (2020)
- EXISTING BLDG. FLORIDA BUILDING CODE, SEVENTH EDITION (2020)
- FLORIDA ACCESSIBILITY CODE, SEVENTH EDITION (2020)
- FLORIDA FIRE PREVENTION CODE, SEVENTH EDITION (2020)
- 2017 NATIONAL ELECTRIC CODE
- NFPA 101 LIFE SAFETY CODE, 2018 EDITION
- NFPA 10 STANDARD FOR PORTABLE FIRE EXTINGUISHERS, 2018 EDITION

NOTES:

ROOF STRUCTURE IS NOT LIGHT GAUGE METAL FRAMING.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO FURNISH AND INSTALL ALL NECESSARY COMPONENTS FOR THE PROPER OPERATION OF ALL SPECIFIED SYSTEMS, REGARDLESS OF WHETHER THOSE COMPONENTS ARE SHOWN ON THE DRAWINGS OR NOT. CONTRACTOR SHALL ALSO VERIFY THAT SPECIFIED COMPONENTS ARE COMPATIBLE WITH OTHERS WITHIN THE SAME SYSTEM AND WITH THE SYSTEM ITSELF.

"SEPARATE PERMITS REQUIRED FOR: DUMPSTER ENCLOSURE, SIGNS, SPRINKLERS, FIRE ALARM, AND BURGLAR ALARM."

"STRUCTURAL STEEL WORK SHALL BE INSPECTED AND CERTIFIED BY AN APPROVED 3RD PARTY PRIOR TO FRAMING INSPECTION."

STRUCTURAL STEEL WORK CERTIFICATION, FROM 3RD PARTY INSPECTOR, DOCUMENTS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT PRIOR TO CO APPLICATION.

SUBMIT APPROVED SHOP DRAWINGS FOR ROOF JOISTS AND TILT-UP WALL CONSTRUCTION TO BUILDING DEPARTMENT PRIOR TO INSPECTION. (DETAILING FOR JOIST PLACEMENT AND SIZES ARE ON SUBMITTED PLANS AS ARE DETAILS OF TILT-UP WALLS).

PROJECT NO.: 22165

DATE: APRIL 7, 2023

ALL INTERIOR PLUMBING TO BE STUBBED. FIXTURES TO BE ADDED UNDER SEPARATE PERMIT IN FUTURE.

SHEET INDEX

ARCHITECTURAL

04-07-23	A000	COVER SHEET
04-07-23	A001	ARCHITECTURAL SITE PLAN
04-07-23	A100	LIFE SAFETY PLAN
04-07-23	A200	OVERALL FLOOR PLAN
04-07-23	A201	REFLECTED CEILING PLAN
04-07-23	A300	EXTERIOR ELEVATIONS
04-07-23	A301	ROOF PLAN
04-07-23	A400	EXTERIOR WALL SECTION
04-07-23	A401	EXTERIOR WALL SECTION
04-07-23	A402	EXTERIOR WALL SECTION
04-07-23	A500	SCHEDULE & DETAILS

STRUCTURAL

04-07-23	S001	STRUCTURAL NOTES
04-07-23	S101	FOUNDATION PLAN
04-07-23	S102	CONTRACTION JOINT PLAN
04-07-23	S201	ROOF FRAMING PLAN
04-07-23	S301	STRUCTURAL DETAILS
04-07-23	S401	TILT PANEL REINFORCING
04-07-23	S402	TILT PANEL REINFORCING

PLUMBING

04-07-23	P001	PLUMBING GENERAL NOTES
04-07-23	P200	PLUMBING PLAN
04-07-23	P600	PLUMBING DETAILS, SCHEDULES & RISERS

ELECTRICAL

04-07-23	E100	ELECTRICAL NOTES, SPECS, SYMBOLS & ABBREVS
04-07-23	E101	POWER RISER DIAGRAM, NOTES & SPECS
04-07-23	E200	ELECTRICAL SITE PLAN
04-07-23	E201	SITE PHOTOMETRIC PLAN
04-07-23	E202	SITE PHOTOMETRIC CUTSHEETS
04-07-23	E203	SITE PHOTOMETRIC CUTSHEETS
04-07-23	E300	ELECTRICAL PLAN AREA 'A'
04-07-23	E301	ELECTRICAL PLAN AREA 'B'
04-07-23	E400	PANEL BOARD SCHEDULES
04-07-23	E500	RISERS & DETAILS
04-07-23	E501	UL DETAILS

LIFE SAFETY SUMMARY

OCCUPANT LOAD (PER FLORIDA BUILDING CODE – 7TH EDITION)

STORAGE (S-1 OCCUPANCY) (PER SUITE):
30,080 S.F. (STORAGE USE) = 60 OCCUPANTS (1 PER 500 S.F.)

TOTAL OCCUPANTS = 60

MEANS OF EGRESS

STORAGE (S-1 USE):

MAXIMUM ALLOWABLE TRAVEL DISTANCE	=	400' FT. (FULLY SPRINKLED)
MAXIMUM PROVIDED TRAVEL DISTANCE	=	96'-2" FT.
MAXIMUM ALLOWABLE COMMON TRAVEL PATH	=	100' FT. (FULLY SPRINKLED)
MAXIMUM ALLOWABLE DEAD END CORRIDOR LENGTH	=	50' FT.
MINIMUM ALLOWABLE AISLE WIDTH	=	44 IN.
EGRESS WIDTH PER PERSON SERVED	=	.2 IN.

.2 INCHES x 60 OCCUPANTS = 12 IN. REQUIRED (748 IN. PROVIDED)

TRAVEL DISTANCE

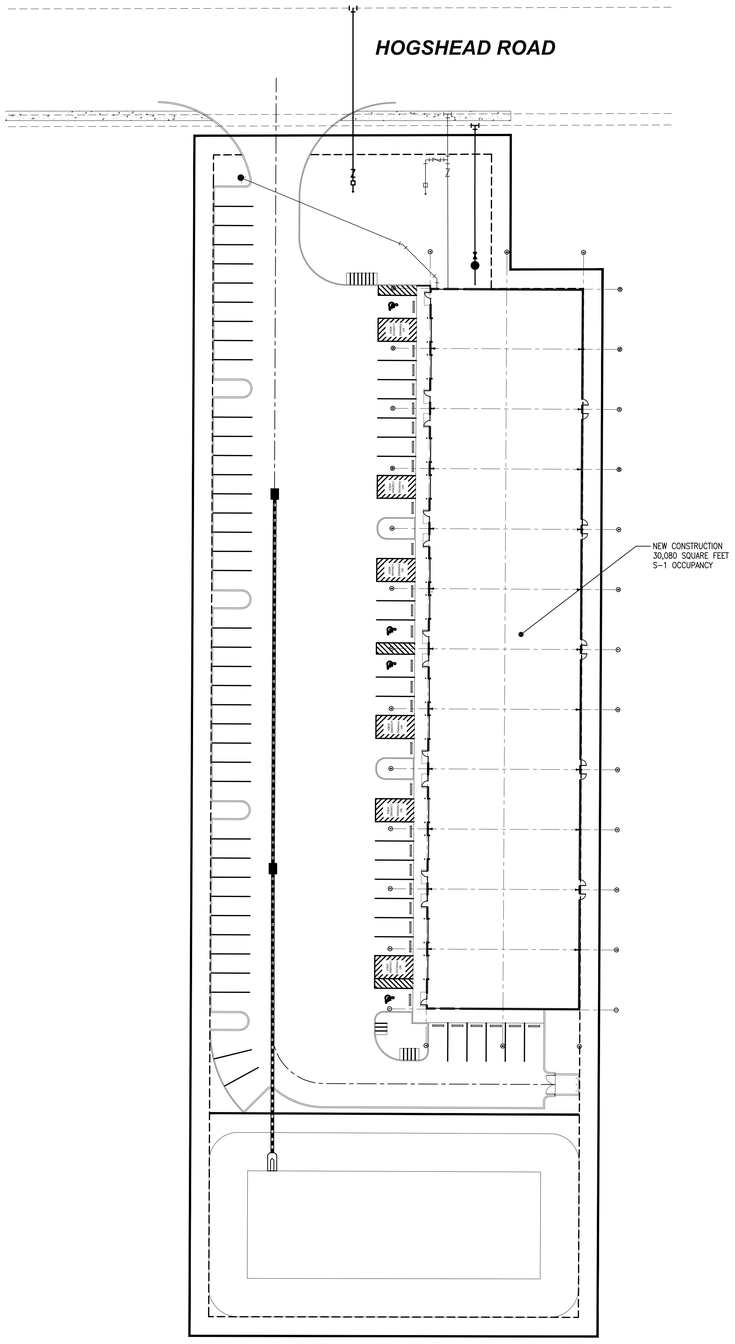
MUNICIPALITY:
CITY OF AOPKA

PARCEL ID #:
01-21-27-0000-00-044

PROPERTY DESCRIPTION:
DOC 20200412059 & 20220153748 - ERROR IN LEGAL - BEG NW COR OF W3/4 OF NW1/4 OF SE1/4 OF NW1/4 RUN E 165 FT S 100 FT E 48 FT S 560 FT W 213 FT M/L N 660 FT TO POB (LESS N 30 FT OF W 165 FT FOR RD) IN SEC 01-21-27

HOGSHEAD WAREHOUSE
PERMIT SET
APRIL 7, 2023
22165

STATE OF FLORIDA
CLARK M. STRANAHAN
AR91246
04/07/23
REGISTERED ARCHITECT



1 A001 **ARCHITECTURAL SITE PLAN**

SCALE: 1/32"=1'-0"

0 64

N

CLIENT:

S.A. CASEY CONSTRUCTION

ARCHITECTURE
135 West Central Blvd., Suite 400
Orlando, Florida 32801
TEL: 407.363.6136
AA26001097

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Revisions:

Scale: AS NOTED

Date: 04/07/23

Drawn By: CC

Checked By: CMS

HOGSHEAD WAREHOUSE

HOGSHEAD WAREHOUSE
3716 HOGSHEAD ROAD
APOPKA, FL 32703

ARCHITECTURAL SITE PLAN

Certified

STATE OF FLORIDA
CLARK M. STRANAHAN
AR91246
04/07/23
REGISTERED ARCHITECT

Drawing Number:

A001

Of Sheets

Issuance:

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A/E Job Number:

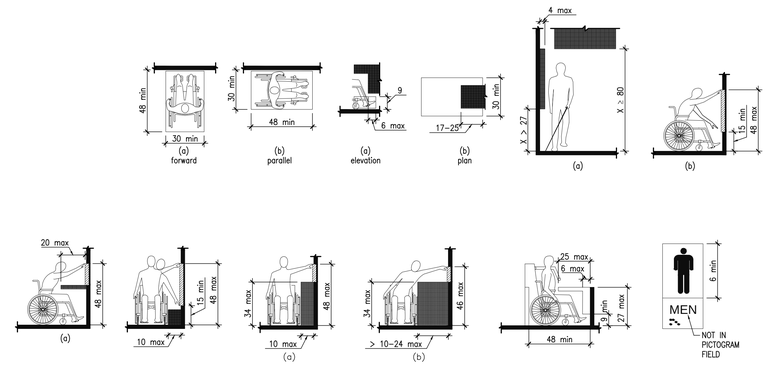
22165

GENERAL NOTES:

A. ALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD UNLESS NOTED OR SHOWN OTHERWISE. ANY DIMENSIONS NOT SHOWN OR DEEMED QUESTIONABLE ARE TO BE VERIFIED BY ARCHITECT. DO NOT SCALE DRAWINGS.
B. PROVIDE WOOD BLOCKING SUPPORTS AS REQUIRED FOR ALL SURFACE MOUNTED ITEMS.
C. COORDINATE WORK OF THIS TRADE WITH OTHER TRADES.
D. DOOR AND FRAME NUMBERS CORRESPOND TO ROOM NUMBERS. WHERE MORE THAN ONE DOOR OCCURS IN A ROOM, 'A' SUFFIX HAS BEEN ADDED (I.E. 100A).
E. PROVIDE MISCELLANEOUS METAL SUPPORT FOR ALL CEILING SUSPENDED ITEMS.
F. APPLY SEALANT AT ALL JUNCTURES BETWEEN DIFFERENT MATERIALS (I.E. STOREFRONT AND GYPSUM BOARD).
G. APPLY SEALANT AT ALL PLUMBING FIXTURES AT JUNCTURE WITH WALL.
H. ALL DOORS MUST BE INSTALLED WITH AT LEAST THE MINIMUM MANEUVERING CLEARANCE AT THE DOOR APPROACH PER THE MOST CURRENT AMERICANS WITH DISABILITIES ACT AND FLORIDA BUILDING CODE.
I. ALL STEEL STUDS ARE TO BE BRACED ACCORDING TO MANUFACTURER'S LIMITING HEIGHT AND DEFLECTION L/120.
J. ALL INTERIOR WALLS SHALL BE MARKED IN PLACE PRIOR TO FRAMING FOR ARCHITECT TO REVIEW.
K. FLOOR SHALL BE CLEANED, SMOOTH AND LEVEL FOR INSTALLATION OF NEW FLOOR FINISHES AS SHOWN.
L. ALL FURNITURE & WORK STATIONS PROVIDED & INSTALLED BY TENANT.
M. PROVIDE GYPSUM BOARD, FURRING, AND INSULATION ON EXTERIOR WALL IN ALL CONDITIONED SPACE AS NECESSARY.
L. PROVIDE AND INSTALL PORTABLE FIRE EXTINGUISHERS IN THE WAREHOUSE AS REQUIRED BY NFPA 10. CONTRACTOR TO COORDINATE NUMBER, TYPE & LOCATION REQUIRED PER CODE AND CONFIRM WITH LOCAL FIRE MARSHALL.
M. PROVIDE SEALED PENETRATIONS INTO BUILDING FOR CABLE, TV & TELEPHONE. COORDINATE WITH OWNER.
O. COMBUSTIBLE MATERIAL SHALL BE ALLOWED IN ACCORDANCE WITH FBC SECTION 603.
P. CONTRACTOR TO BROOM FINISH ALL EXTERIOR CONCRETE WALKWAYS.

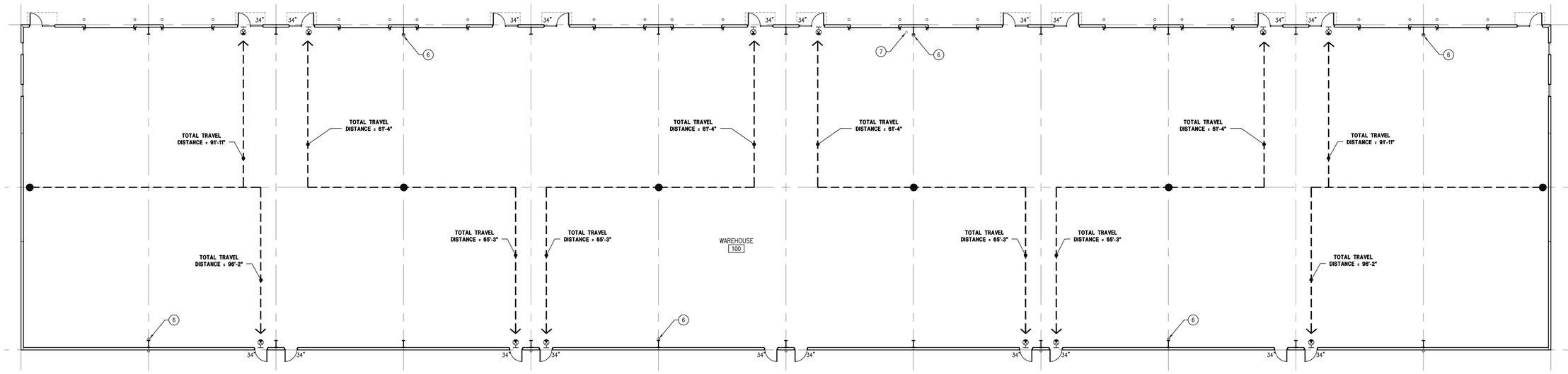
PLAN NOTES:

1. FIRE RISER – PROVIDE BOLLARDS. COORDINATE LOCATION W/ FP CONTRACTOR.
2. 6" DIA. CONCRETE FILLED PIPE BOLLARD 4'-0" TALL W/ ROUNDED CAP AND PAINT SAFETY YELLOW. SEE DETAIL ON SHEET A500.
3. PREFABRICATED AND PREFINISHED ALUMINUM CANOPY. DESIGNED AND PERMITTED BY OTHERS – SEE A300 FOR ELEVATION & SECTIONS.
4. PREFABRICATED AND PREFINISHED 10"x10" 24 GA. METAL GUTTER – SLOPE ⅛" PER FOOT.
5. DOWNSPOUT LOCATION – 8"x8" 24 GA. PREFABRICATED AND PREFINISHED METAL DOWNSPOUT. CONTRACTOR TO VERIFY EACH DOWNSPOUT IS IN THE MIDDLE OF THE TRIBUTARY GUTTER AREA. SEE A200 FOR PROTECTION GUARD DETAIL ON DOWNSPOUTS.
6. NEW COLUMN MOUNTED OR WALL MOUNTED FIRE EXTINGUISHER. MOUNT TOP AT +54" A.F.F. FIRE EXTINGUISHER TO HAVE MIN. RATING OF 4A20BC FOR EVERY 3000 SQ.FT. OF FLOOR AREA. TRAVEL DISTANCE TO AN EXTINGUISHER SHALL NOT EXCEED 75 FEET. ALL EXTINGUISHERS SHALL BE CONSPICUOUSLY LOCATED AND READILY ACCESSIBLE. THE TOP OF THE EXTINGUISHER SHALL NOT BE MORE THAN 5'-0" ABOVE THE FLOOR AND THE BOTTOM OF THE EXTINGUISHER SHALL NOT BE LESS THAN 4" ABOVE THE FLOOR.
7. FIRE RISER – PROVIDE BOLLARDS. COORDINATE LOCATION W/ FP CONTRACTOR.



2 A100 ACCESSIBILITY DETAILS

SCALE: 1/4"=1'-0"



1 A100 OVERALL LIFE SAFETY PLAN

SCALE: 1/16"=1'-0"

CLIENT:
S.A. CASEY CONSTRUCTION

ARCHITECTURE
135 West Central Blvd., Suite 400
Orlando, Florida 32801
TEL: 407.363.6136
AA26001097

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Revisions:

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Drawn By: CC
Checked By: CMS

HOGSHEAD WAREHOUSE

HOGSHEAD WAREHOUSE
3716 HOGSHEAD ROAD
APOPKA, FL 32703

OVERALL LIFE SAFETY PLAN

Certified
STATE OF FLORIDA
CLARK M. STRANAHAN
AR91246
04/07/23
REGISTERED ARCHITECT

Drawing Number:
A100
Of Sheets

Issuance:
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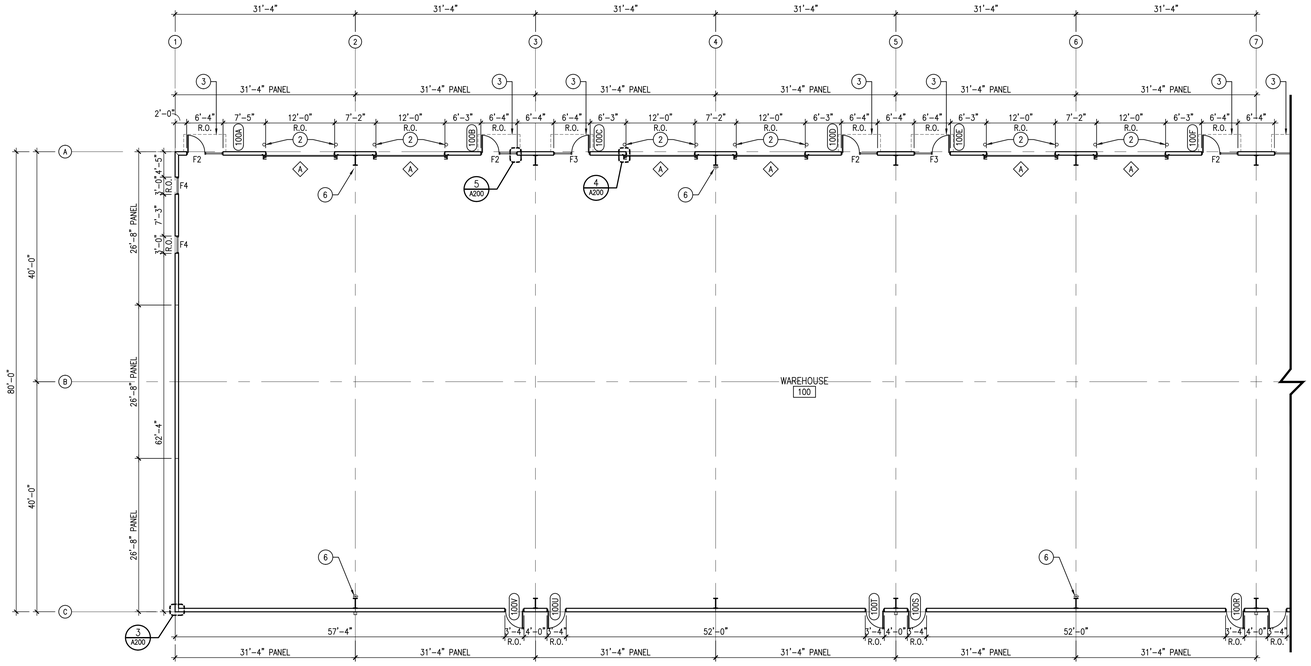
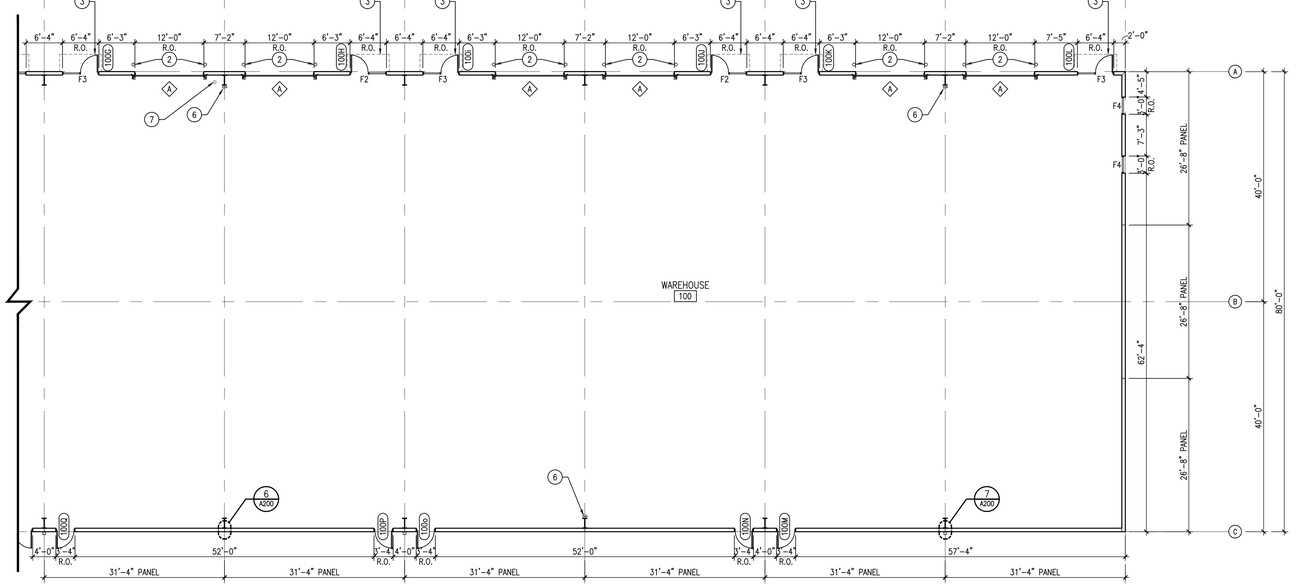
A/E Job Number:
22165



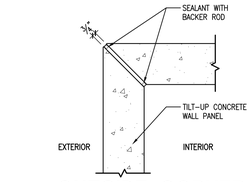
OVERALL FLOOR PLAN (SIDE A)

1 / A200 — SCALE: 3/32"=1'-0"



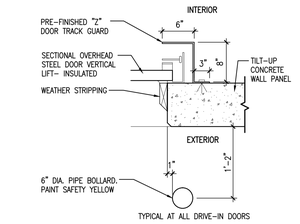
OVERALL FLOOR PLAN (SIDE B)

1 / A200 — SCALE: 3/32"=1'-0"



OUTSIDE CORNER JOINT DETAIL

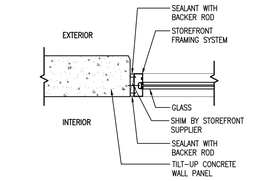
3 / A200 — SCALE: 1"=1'-0"



TYPICAL AT ALL DRIVE-IN DOORS

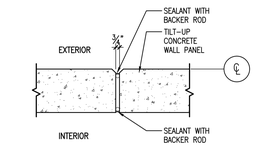
TYPICAL DRIVE-IN DOOR PLAN DETAIL

4 / A200 — SCALE: 1"=1'-0"



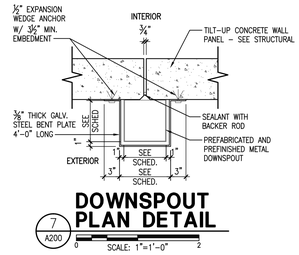
TYPICAL WINDOW PLAN DETAIL

5 / A200 — SCALE: 1"=1'-0"



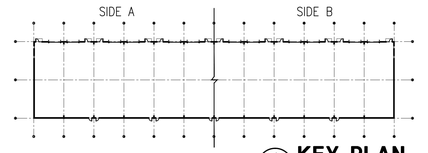
TYPICAL EXTERIOR JOINT DETAIL

6 / A200 — SCALE: 1"=1'-0"



DOWNSPOUT PLAN DETAIL

7 / A200 — SCALE: 1"=1'-0"



KEY PLAN

1 / A200 — SCALE: 1/64"=1'-0"

GENERAL NOTES:

A. ALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD UNLESS NOTED OR SHOWN OTHERWISE. ANY DIMENSIONS NOT SHOWN OR DEEMED QUESTIONABLE ARE TO BE VERIFIED BY ARCHITECT. DO NOT SCALE DRAWINGS.
B. PROVIDE WOOD BLOCKING SUPPORTS AS REQUIRED FOR ALL SURFACE MOUNTED ITEMS.
C. COORDINATE WORK OF THIS TRADE WITH OTHER TRADES.
D. DOOR AND FRAME NUMBERS CORRESPOND TO ROOM NUMBERS. WHERE MORE THAN ONE DOOR OCCURS IN A ROOM, 'A' SUFFIX HAS BEEN ADDED (I.E. 100A).
E. PROVIDE MISCELLANEOUS METAL SUPPORT FOR ALL CEILING SUSPENDED ITEMS.
F. APPLY SEALANT AT ALL JUNCTURES BETWEEN DIFFERENT MATERIALS (I.E. STOREFRONT AND GYPSUM BOARD).
G. APPLY SEALANT AT ALL PLUMBING FIXTURES AT JUNCTURE WITH WALL.
H. ALL DOORS MUST BE INSTALLED WITH AT LEAST THE MINIMUM MANEUVERING CLEARANCE AT THE DOOR APPROACH PER THE MOST CURRENT AMERICANS WITH DISABILITIES ACT AND FLORIDA BUILDING CODE.
I. ALL STEEL STUDS ARE TO BE BRACED ACCORDING TO MANUFACTURER'S LIMITING HEIGHT AND DEFLECTION L/120.
J. ALL INTERIOR WALLS SHALL BE MARKED IN PLACE PRIOR TO FRAMING FOR ARCHITECT TO REVIEW.
K. FLOOR SHALL BE CLEANED, SMOOTH AND LEVEL FOR INSTALLATION OF NEW FLOOR FINISHES AS SHOWN.
L. ALL FURNITURE & WORK STATIONS PROVIDED & INSTALLED BY TENANT.
M. PROVIDE GYPSUM BOARD, FURRING, AND INSULATION ON EXTERIOR WALL IN ALL CONDITIONED SPACE AS NECESSARY.
L. PROVIDE AND INSTALL PORTABLE FIRE EXTINGUISHERS IN THE WAREHOUSE AS REQUIRED BY NFPA 10. CONTRACTOR TO COORDINATE NUMBER, TYPE & LOCATION REQUIRED PER CODE AND CONFIRM WITH LOCAL FIRE MARSHALL.
M. PROVIDE SEALED PENETRATIONS INTO BUILDING FOR CABLE, TV & TELEPHONE. COORDINATE WITH OWNER.
O. COMBUSTIBLE MATERIAL SHALL BE ALLOWED IN ACCORDANCE WITH FBC SECTION 603.
P. CONTRACTOR TO BROOM FINISH ALL EXTERIOR CONCRETE WALKWAYS.

PLAN NOTES:

1. FIRE RISER – PROVIDE BOLLARDS. COORDINATE LOCATION W/ FP CONTRACTOR.
2. 6" DIA. CONCRETE FILLED PIPE BOLLARD 4'-0" TALL W/ ROUNDED CAP AND PAINT SAFETY YELLOW. SEE DETAIL ON SHEET A500.
3. PREFABRICATED AND PREFINISHED ALUMINUM CANOPY. DESIGNED AND PERMITTED BY OTHERS – SEE A300 FOR ELEVATION & SECTIONS.
4. PREFABRICATED AND PREFINISHED 10"x10" 24 GA. METAL GUTTER – SLOPE ⅛" PER FOOT.
5. DOWNSPOUT LOCATION – 8"x8" 24 GA. PREFABRICATED AND PREFINISHED METAL DOWNSPOUT. CONTRACTOR TO VERIFY EACH DOWNSPOUT IS IN THE MIDDLE OF THE TRIBUTARY GUTTER AREA. SEE A200 FOR PROTECTION GUARD DETAIL ON DOWNSPOUTS.
6. NEW COLUMN MOUNTED OR WALL MOUNTED FIRE EXTINGUISHER. MOUNT TOP AT +54" A.F.F. FIRE EXTINGUISHER TO HAVE MIN. RATING OF 4A20BC FOR EVERY 3000 SQ.FT. OF FLOOR AREA. TRAVEL DISTANCE TO AN EXTINGUISHER SHALL NOT EXCEED 75 FEET. ALL EXTINGUISHERS SHALL BE CONSPICUOUSLY LOCATED AND READILY ACCESSIBLE. THE TOP OF THE EXTINGUISHER SHALL NOT BE MORE THAN 5'-0" ABOVE THE FLOOR AND THE BOTTOM OF THE EXTINGUISHER SHALL NOT BE LESS THAN 4" ABOVE THE FLOOR.
7. FIRE RISER – PROVIDE BOLLARDS. COORDINATE LOCATION W/ FP CONTRACTOR.

OVERHEAD DOOR NOTES:

A. OVERHEAD SECTIONAL DOOR. 12'-0" WIDE x 14'-0" TALL, MANUAL OPERATION VERTICAL LIFT WITH NEW RITE-HITE Z-TRACK DOOR PROTECTION OR APPROVED EQUAL. SEE SHEET A500 FOR HEAD AND JAMB DETAILS.

WALL TYPES:

NOTES: _____ NEW WALL PARTITION

1. ALL WALLS TO EXTEND TO UNDERSIDE OF ROOF STRUCTURE, UNLESS OTHERWISE NOTED.
2. PROVIDE MOISTURE RESISTANT GYPSUM WALL BOARD IN ALL WET AREAS.
3. CONSTRUCT ALL STUD WALL FRAMING TO MEET MANUFACTURER'S MINIMUM REQUIREMENTS FOR FLOOR AND CEILING ATTACHMENT BASED ON 5 PSF LATERAL LOADING AND L/120 DEFLECTION, UNLESS OTHERWISE APPROVED, IN NO CASE SHALL THE ATTACHMENT BE LESS THAN THE FOLLOWING:
   A. ALL STEEL STUD RUNNER CHANNELS ATTACHED TO CONCRETE FLOOR SHALL BE FASTENED WITH CONCRETE STUB NAILS, EXPANSION ANCHORS, SHIELDED SCREWS, OR POWER-DRIVEN FASTENERS NOT EXCEEDING 24" O.C. AND NO MORE THAN 2" FROM EACH END.
   B. FASTEN STUD FLANGE TO RUNNER TRACK WITH ONE ⅜" TYPE S PAN HEAD SCREWS ON BOTH SIDES OF STUD FLANGE.
   C. ALL STEEL STUD RUNNER CHANNELS ATTACHED TO SUSPENDED CEILINGS SHALL BE FASTENED WITH "MOLLY"-TYPE EXPANDABLE FASTENERS, TOGGLE BOLTS, CLAMPS, OR SCREWS INTO CHANNELS, SPLINES, "T" RUNNERS, OR OTHER MEMBERS AT A MAXIMUM SPACING OF 48" OR LESS TO MATCH CEILING GRID.
4. ALL GYPSUM BOARD AND ACCESSORIES SHALL BE U.S. GYPSUM BRAND ONLY.
5. PROVIDE LEVEL 4 FINISH PER ASTM C840 IN OFFICE.
6. PROVIDE LEVEL 3 IN WAREHOUSE AREA.

W1	3⅝" METAL STUDS @ 24" O.C. WITH ⅝" GYP. BOARD EACH SIDE & ONE LAYER THERMAL BATT INSUL. SEE SHEET 1/A404.	4⅛"
W2	6" 18 GA. METAL STUDS @ 24" O.C. WITH ⅝" GYP. BOARD EACH SIDE & ONE LAYER THERMAL BATT INSUL. EXTEND WALL TO EXISTING ROOF STRUCTURE. SEE SHEET 2/A404.	7⅛"
W3	6" 18 GA. METAL STUDS @ 24" O.C. WITH ⅝" GYP. BOARD ONE SIDE & ONE LAYER THERMAL BATT INSUL. EXTEND WALL TO EXISTING ROOF STRUCTURE. SEE SHEET 3/A404.	6⅝"
W4	2½" METAL STUDS @ 24" O.C. W/ ⅝" GYPSUM BOARD ONE SIDE AND R-11 INSULATION. LOCATED ½" OFF EXTERIOR WALL. SEE SHEET 4/A404.	3⅝"

D(X) NEW DOOR AND FRAME. REFER TO DOOR SCHEDULE. F(X) = FRAME TYPE. SEE SHEET IA501 FOR FRAME ELEVATIONS.

CLIENT:
S.A. CASEY CONSTRUCTION

ARCHITECTURE
135 West Central Blvd., Suite 400
Orlando, Florida 32801
TEL: 407.363.6136
AA26001097

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Revisions:

Scale:	Date:	Drawn By:	Checked By:
AS NOTED	04/07/23	CC	CMS

HOGSHEAD WAREHOUSE
HOGSHEAD WAREHOUSE
3716 HOGSHEAD ROAD
APOPKA, FL 32703
OVERALL FLOOR PLAN

Certified:
STATE OF FLORIDA
CLARK M. STRANAHAN
REGISTERED ARCHITECT
AR91246
04/07/23

Drawing Number:
A200
Of Sheets

Issuance:
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A/E Job Number:
22165

GENERAL NOTES:

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(2) 6" DIA. CONCRETE FILLED PIPE BOLLARD 4'-0" TALL W/ ROUNDED CAP AND PAINT SAFETY YELLOW. SEE DETAIL ON SHEET A500.

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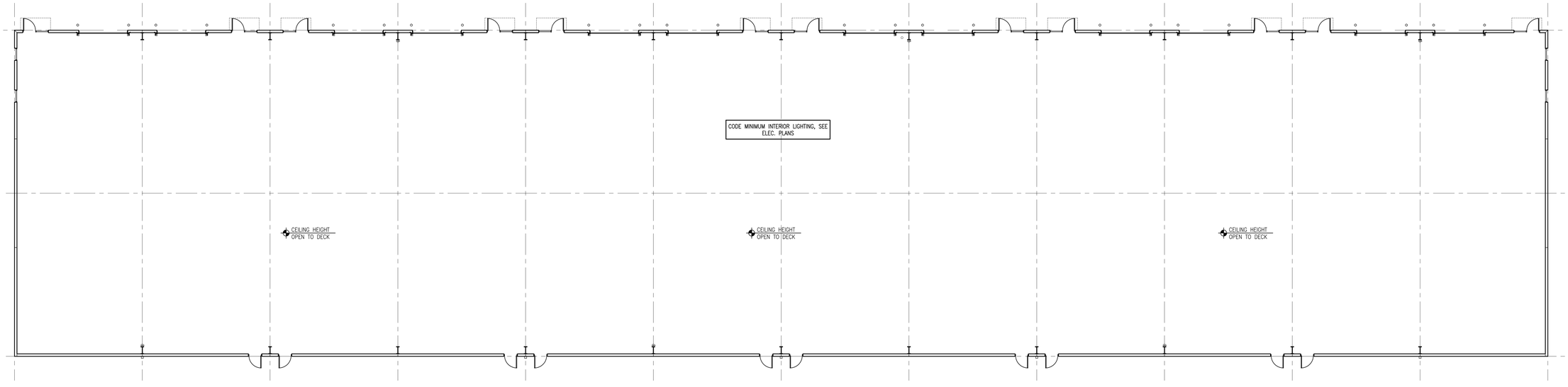

1 A201 **OVERALL REFLECTED CEILING PLAN**

SCALE: 1/16"=1'-0" (0 – 32)

CLIENT:

S.A. CASEY CONSTRUCTION

ARCHITECTURE
135 West Central Blvd., Suite 400
Orlando, Florida 32801
TEL: 407.363.6136
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AS NOTED	04/07/23	CC	CMS

HOGSHEAD WAREHOUSE

HOGSHEAD WAREHOUSE
3716 HOGSHEAD ROAD
APOPKA, FL 32703

REFLECTED CEILING PLAN

Certified:

STATE OF FLORIDA
CLARK M. STRANAHAN
AR91246
04/07/23
REGISTERED ARCHITECT

Drawing Number:
A201
Of Sheets

Issuance:
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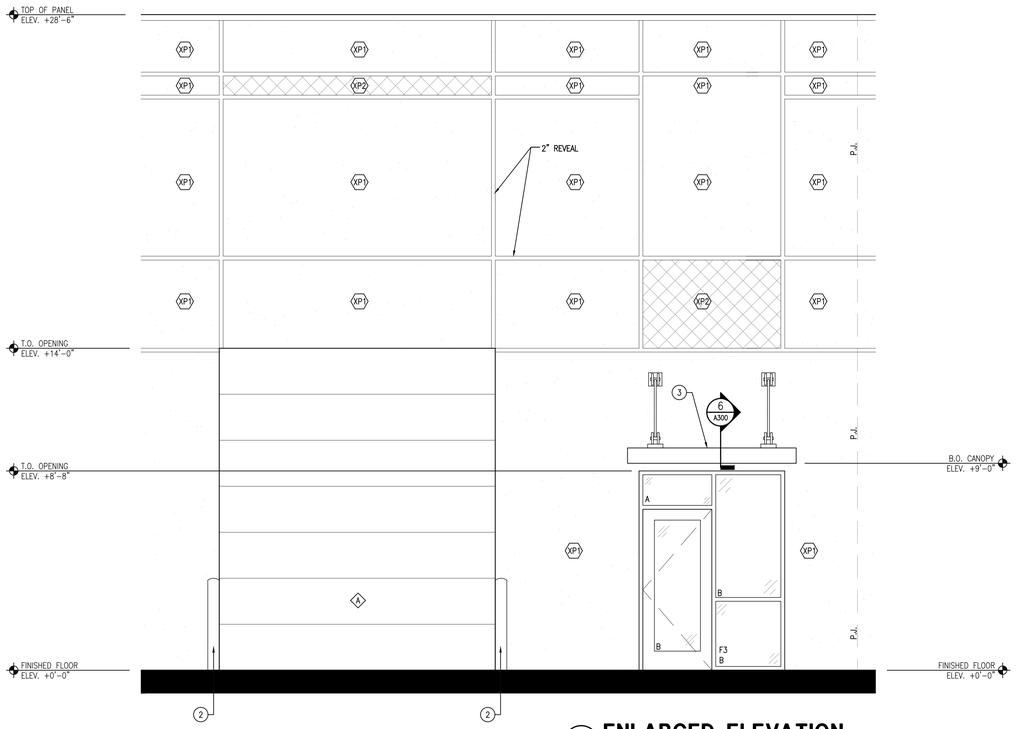
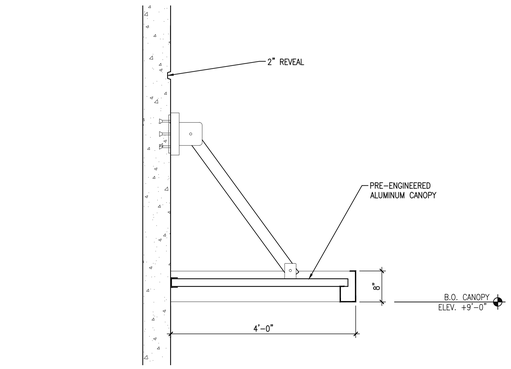
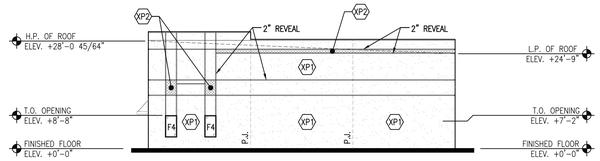
A/E Job Number:
22165



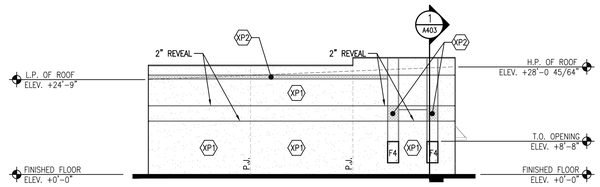
5 ENLARGED ELEVATION
A300 — SCALE: 3/8"=1'-0"



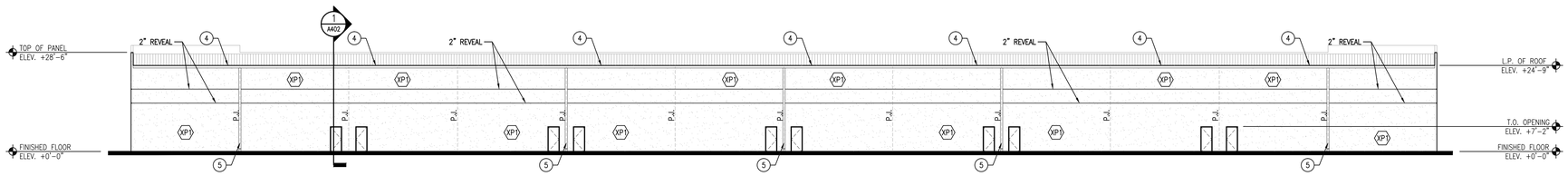
6 CANOPY SECTION
A300 — SCALE: 3/4"=1'-0"



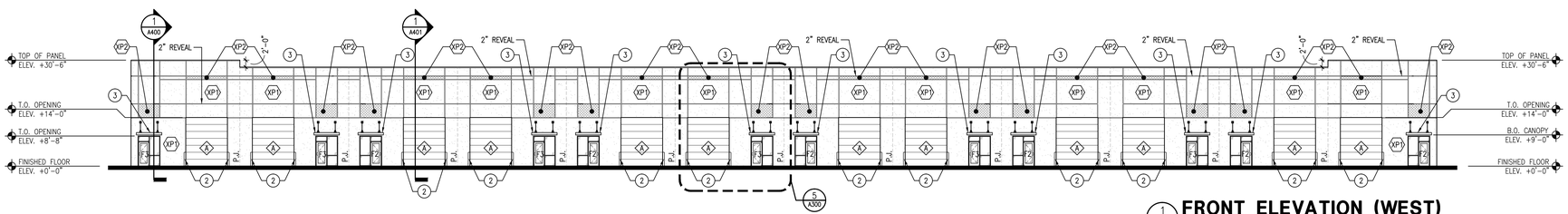
4 SIDE ELEVATION (SOUTH)
A300 — SCALE: 1/16"=1'-0"



3 SIDE ELEVATION (NORTH)
A300 — SCALE: 1/16"=1'-0"



2 REAR ELEVATION (EAST)
A300 — SCALE: 1/16"=1'-0"



1 FRONT ELEVATION (WEST)
A300 — SCALE: 1/16"=1'-0"

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7. FIRE RISER – PROVIDE BOLLARDS. COORDINATE LOCATION W/ FP CONTRACTOR.

PAINT SCHEDULE:

NOTES:
1. ALL PAINT TO BE SHERWIN WILLIAMS OR APPROVED EQUAL.
2. PAINT ALL TILT CONCRETE PANELS 'XP1' (TEXTURED) UNLESS OTHERWISE NOTED. NO TEXTURE PAINT ON DOCK SIDE, DUMPSTER AND ELECTRICAL YARD PANELS.
3. PAINT ALL DOWNSPOUT GUARDS TO MATCH ADJACENT BUILDING COLOR.
4. PAINT ALL BOLLARDS AND GUARDS SAFETY YELLOW.
5. PAINT ALL EXPOSED METAL SURFACES (IE. GRILLES, HEATERS, AND FIRE EXTINGUISHER CABINETS) TO MATCH ADJACENT SURFACE.
6. PAINT STAIRS WITH INDUSTRIAL ENAMEL OIL BASED PAINT.
7. DIRECT METAL PRIMER TO BE USED ON ALL GALVANIZED METAL.
11. PROVIDE TINTED PRIMER FOR ALL TEXTURED COATING APPLICATIONS.
12. PAINT FIRE RISERS RED.
13. PAINT HOSE STATIONS RED TO BOTTOM OF BAR JOISTS.

XP1 — FIELD COLOR
SHERWIN WILLIAMS – SW6252 ICE CUBE

XP2 — ACCENT COLOR
SHERWIN WILLIAMS – SW6797 JAY BLUE

GLASS SCHEDULE:

STOREFRONT SYSTEM TO BE YES 40FI OR APPROVED EQUAL. BLACK ANODIZED.

ALL GLASS TO BE TYPE 'A' UNLESS NOTED OTHERWISE.

TYPE 'A' 1" SOLARBAN 60 ON OPTIGRAY INSULATING GLASS

TYPE 'B' 1" SOLARBAN 60 ON OPTIGRAY INSULATING TEMPERED GLASS

OUTDOOR LITE: SOLARBAN60 OPTIGRAY 6MM
CAVITY: AIR ½"
INDOOR LITE: CLEAR 6MM

SHGC: 0.30

ALL WINDOWS AND STOREFRONT TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.

OVERHEAD DOOR NOTES:

A. OVERHEAD SECTIONAL DOOR, 12'-0" WIDE x 14'-0" TALL, MANUAL OPERATION. VERTICAL LIFT WITH NEW RITE-HITE Z-TRACK DOOR PROTECTION OR APPROVED EQUAL. SEE SHEET A500 FOR HEAD AND JAMB DETAILS.

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HOGSHEAD WAREHOUSE
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3716 HOGSHEAD ROAD
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EXTERIOR ELEVATIONS

Certified:
STATE OF FLORIDA
CLARK M. STRANAHAN
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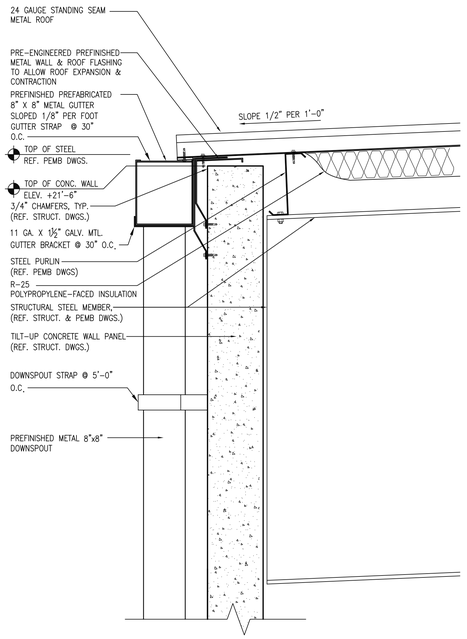
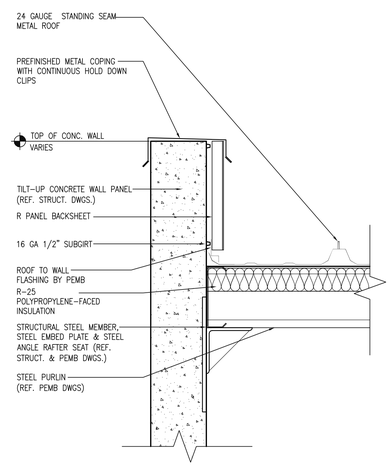


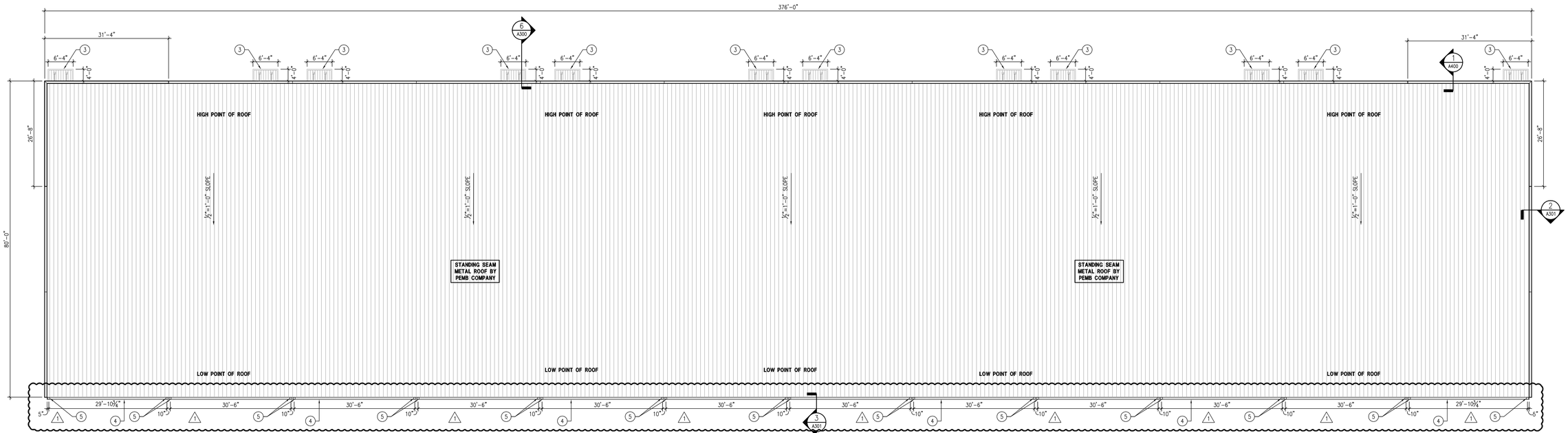
3 A301 **GUTTER DETAIL @ TILT WALL**

SCALE: 1½"=1' 0 1'



2 A301 **PARAPET DETAIL**

SCALE: 1½"=1' 0 1'



1 A301 **OVERALL ROOF PLAN**

SCALE: 3/32"=1'-0" 0 24

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PLAN NOTES:

1. FIRE RISER – PROVIDE BOLLARDS. COORDINATE LOCATION W/ FP CONTRACTOR.
2. 6" DIA. CONCRETE FILLED PIPE BOLLARD 4'-0" TALL W/ ROUNDED CAP AND PAINT SAFETY YELLOW. SEE DETAIL ON SHEET A500.
3. PREFABRICATED AND PREFINISHED ALUMINUM CANOPY. DESIGNED AND PERMITTED BY OTHERS – SEE A300 FOR ELEVATION & SECTIONS.
4. PREFABRICATED AND PREFINISHED 10"x10" 24 GA. METAL GUTTER – SLOPE ⅛" PER FOOT.
5. DOWNSPOUT LOCATION – 8"x8" 24 GA. PREFABRICATED AND PREFINISHED METAL DOWNSPOUT. CONTRACTOR TO VERIFY EACH DOWNSPOUT IS IN THE MIDDLE OF THE TRIBUTARY GUTTER AREA. SEE A200 FOR PROTECTION GUARD DETAIL ON DOWNSPOUTS.
6. NEW COLUMN MOUNTED OR WALL MOUNTED FIRE EXTINGUISHER. MOUNT TOP AT +54" A.F.F. FIRE EXTINGUISHER TO HAVE MIN. RATING OF 4A20BC FOR EVERY 3000 SQ.FT. OF FLOOR AREA. TRAVEL DISTANCE TO AN EXTINGUISHER SHALL NOT EXCEED 75 FEET. ALL EXTINGUISHERS SHALL BE CONSPICUOUSLY LOCATED AND READILY ACCESSIBLE. THE TOP OF THE EXTINGUISHER SHALL NOT BE MORE THAN 5'-0" ABOVE THE FLOOR AND THE BOTTOM OF THE EXTINGUISHER SHALL NOT BE LESS THAN 4" ABOVE THE FLOOR.
7. FIRE RISER – PROVIDE BOLLARDS. COORDINATE LOCATION W/ FP CONTRACTOR.

ROOF NOTES:

STANDING SEAM METAL ROOF

A. ALL AREAS TO RECEIVE R-25 POLYPROYLENE-FACED ROOF INSULATION.
B. CONTRACTOR TO REVIEW AS CONSTRUCTED CONDITIONS AND CONFIRM INSULATION AS SHOWN WILL PROVIDE POSITIVE DRAINAGE IN ALL AREAS.

GUTTER NOTES:

A. LOCATE HIGH POINT OF GUTTER AT MID-SPAN IN BETWEEN DOWNSPOUTS UNLESS NOTED OTHERWISE.
B. DOWNSPOUTS TO BE PREFINISHED METAL TRIM 6" WIDE x 6" DEEP.
C. GUTTERS TO BE PREFINISHED METAL TRIM 8" WIDE x 8" DEEP ON CENTER. SLOPE ⅛" PER 1'-0".
D. DOWNSPOUT DIMENSIONS TO BE USED FOR REFERENCE. G.C. TO CONFIRM THAT DOWNSPOUTS DO NOT CONFLICT WITH ANY BUILDING ELEMENTS.

ROOF DRAINAGE CALCS:

TOTAL BUILDING ROOF SQUARE FOOTAGE ..... 29,757 S.F.

100 YEAR RAINFALL FOR THIS PROJECT AREA IS ..... 4.5"

SIZE OF RECTANGULAR VERTICAL DOWNSPOUTS:
- DOWNSPOUT SIZE ..... 6" x 6"
- DOWNSPOUT ROOF AREA COVERAGE ..... 10,800 S.F. (EACH)
- DOWNSPOUTS PROVIDED ..... 24 TOTAL ROOF COVERAGE
- PROVIDED ..... 259,200 S.F.

CLIENT:

S.A. CASEY CONSTRUCTION

ARCHITECTURE
135 West Central Blvd., Suite 400
Orlando, Florida 32801
TEL: 407.363.6136
AA26001097

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Revisions: 1 REV #1 – CITY/CLIENT COMMENTS 7.XX.23

Scale: AS NOTED | Date: 04/07/23 | Drawn By: CC | Checked By: CMS

HOGSHEAD WAREHOUSE

HOGSHEAD WAREHOUSE
3716 HOGSHEAD ROAD
APOPKA, FL 32703

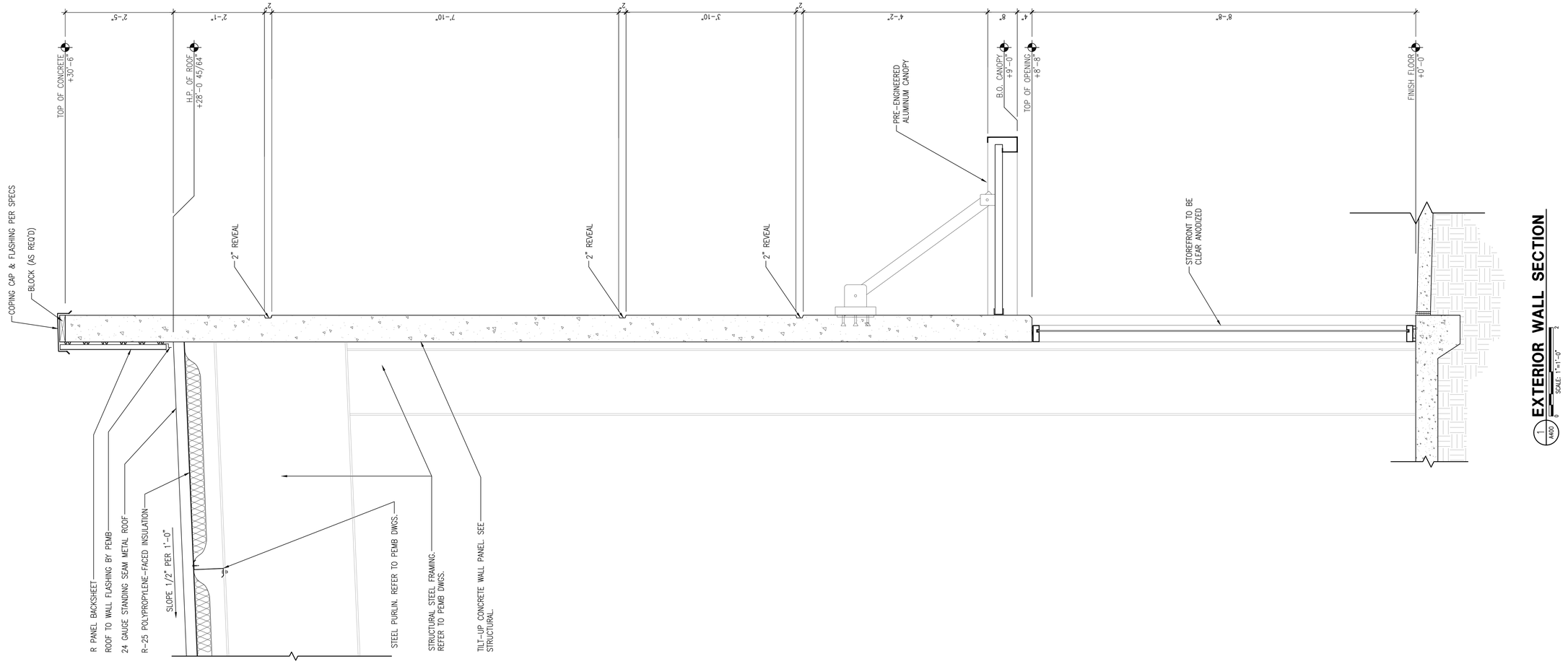
OVERALL ROOF PLAN

Certified By:
STATE OF FLORIDA
CLARK M. STRANAHAN
AR91246
07/XX/23
REGISTERED ARCHITECT

Drawing Number: **A301** Of Sheets

Issuance: --

A/E Job Number: **22165**



1 A400 **EXTERIOR WALL SECTION**
SCALE: 1"=1'-0"

CLIENT:

S.A. CASEY CONSTRUCTION

ARCHITECTURE
135 West Central Blvd., Suite 400
Orlando, Florida 32801
TEL: 407.363.6136
AA26001097

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Revisions:

Scale:	Date:	Drawn By:	Checked By:
AS NOTED	04/07/23	OC	CMS

HOGSHEAD WAREHOUSE

HOGSHEAD WAREHOUSE
3716 HOGSHEAD ROAD
APOPKA, FL 32703

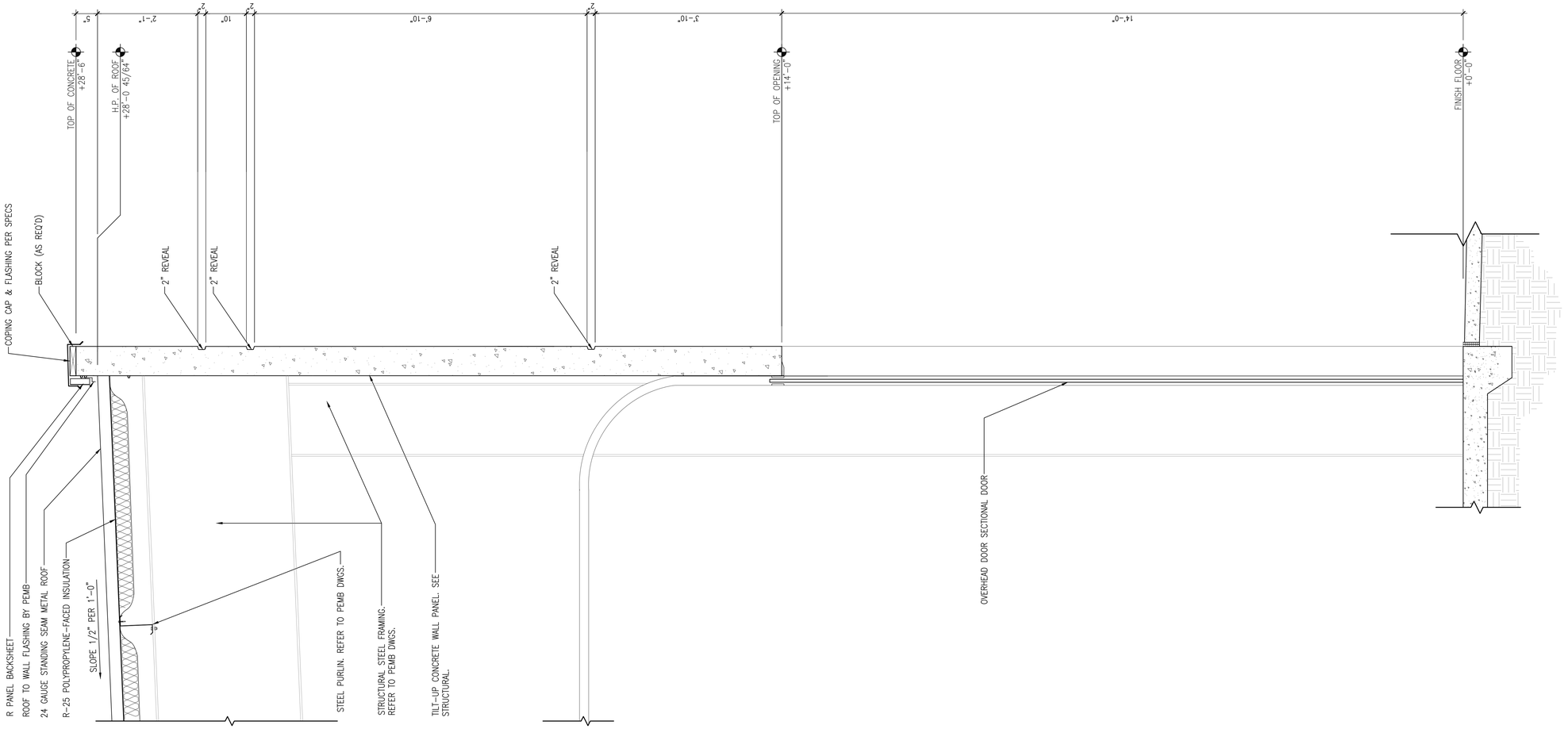
EXTERIOR WALL SECTIONS

Certified:
STATE OF FLORIDA
CLARK M. STRANAHAN
AR91246
04/07/23
REGISTERED ARCHITECT

Drawing Number:
A400
Of Sheets

Issuance:
--

A/E Job Number:
22165



1 A401 **EXTERIOR WALL SECTION**
SCALE: 1"=1'-0"

CLIENT:

S.A. CASEY CONSTRUCTION

ARCHITECTURE
135 West Central Blvd., Suite 400
Orlando, Florida 32801
TEL: 407.363.6136
AA26001097

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Revisions:

Scale:	Date:	Drawn By:	Checked By:
AS NOTED	04/07/23	CC	CMS

HOGSHEAD WAREHOUSE

HOGSHEAD WAREHOUSE
3716 HOGSHEAD ROAD
APOPKA, FL 32703

EXTERIOR WALL SECTIONS

Certified:

Drawing Number:

A401

Of Sheets

Issuance:

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A/E Job Number:

22165

CLIENT:
S.A. CASEY CONSTRUCTION

ARCHITECTURE
135 West Central Blvd., Suite 400
Orlando, FL 32801
(407) 423-2536
LA26001097

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Revisions:

Scale: AS NOTED
Date: 04/07/23
Drawn By: CC
Checked By: CMS

HOGSHEAD WAREHOUSE

HOGSHEAD WAREHOUSE
3716 HOGSHEAD ROAD
APOPKA, FL 32703

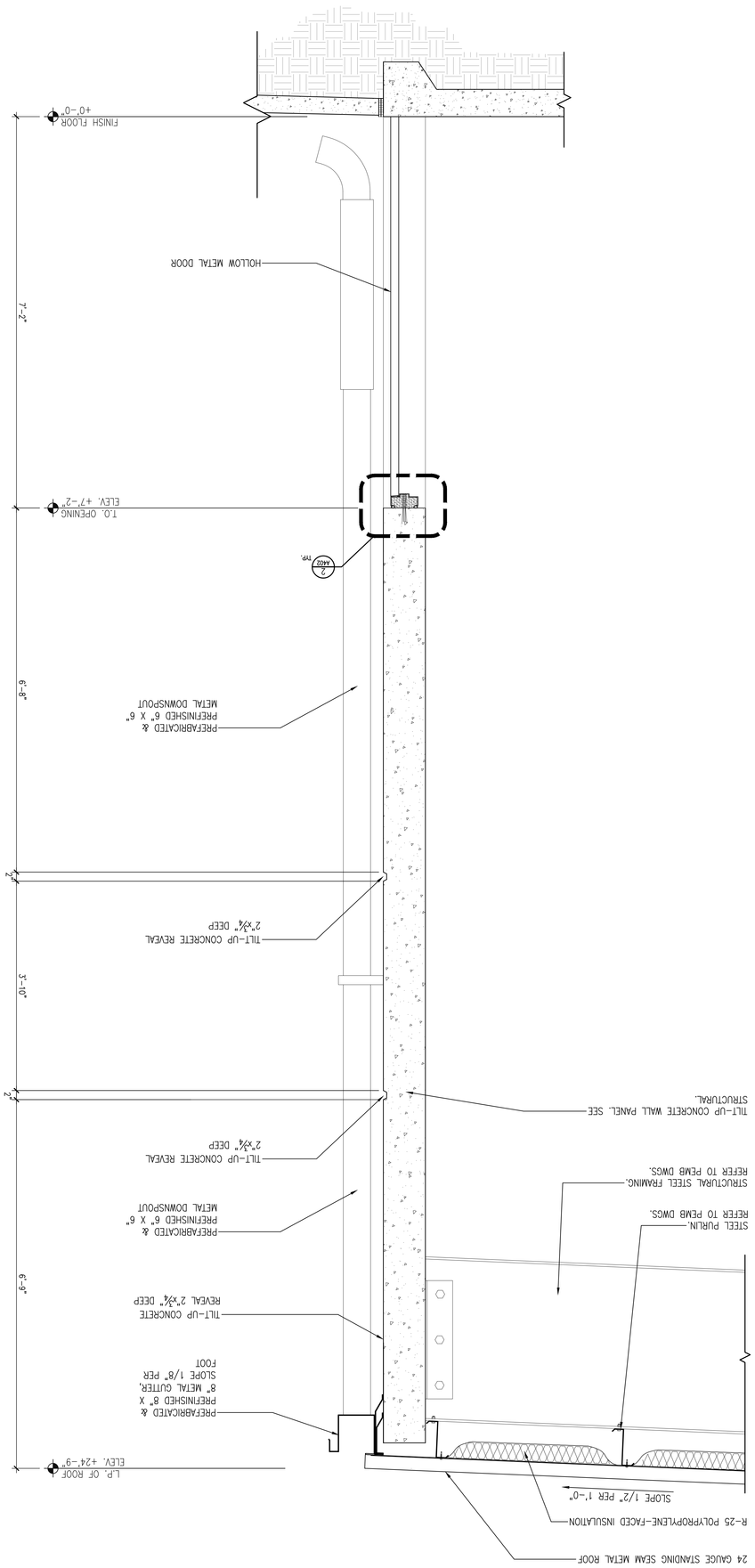
EXTERIOR WALL SECTIONS

Certificate of Authorization
STATE OF FLORIDA
CARLOS M. STRAMANA
AR91246
04/07/23
REGISTERED

Drawing Number: A402
Sheets: 01
Issuance: --
A/E Job Number: 22165

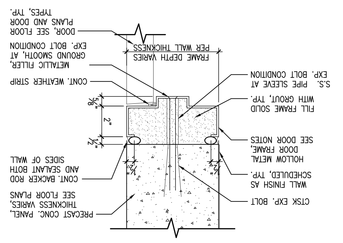
EXTERIOR WALL SECTION

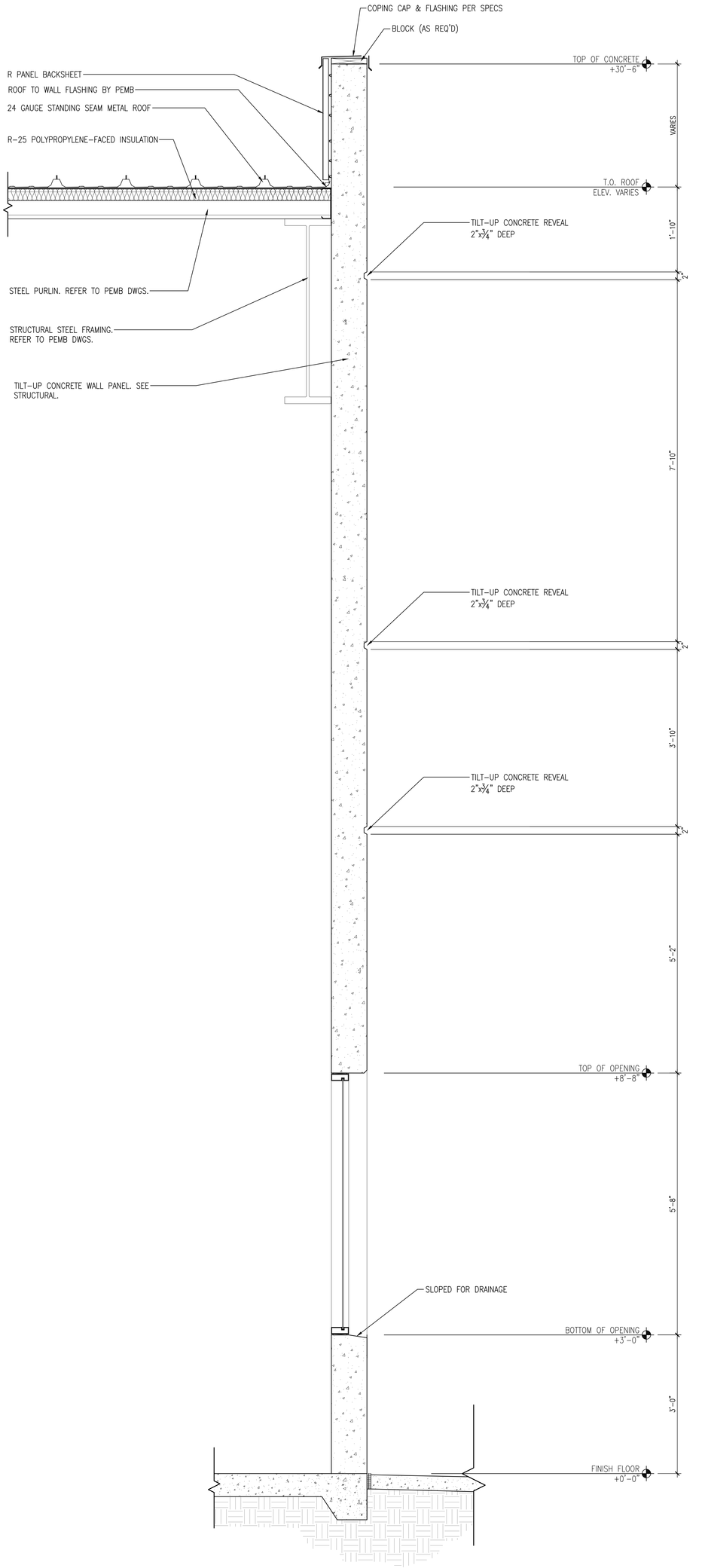
1 A402 — SCALE: 1"=1'-0" (0, 2)



HOLLOW METAL DOOR FRAME AT PRECAST CONCRETE PANEL

2 A402 — SCALE: 3"=1'-0" (0, 8")





1 A403 **EXTERIOR WALL SECTION**

SCALE: 1"=1'-0" (0 to 2)

HOGSHEAD WAREHOUSE

HOGSHEAD WAREHOUSE
3716 HOGSHEAD ROAD
APOPKA, FL 32703

EXTERIOR WALL SECTIONS

Scale: AS NOTED
Date: 04/07/23
Drawn By: CC
Checked By: CMS

Revisions:

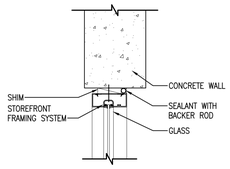
Drawing Number: A403
Issuance: --
Of Sheets
A/E Job Number: 22165

Certificate of Authorization: AR91246

REGISTERED ARCHITECT — CARSON N. STRAWN — STATE OF FLORIDA — 04/07/23

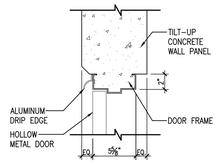
ARCHITECTURE
115 Hillcrest Road, Suite 400
Orlando, Florida 32801
TEL: (407)363-1136
AA26001203

CLIENT: S.A. CASEY CONSTRUCTION



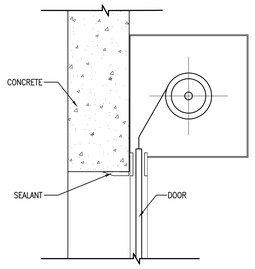
HEAD DETAIL H1

1-1/2" = 1'



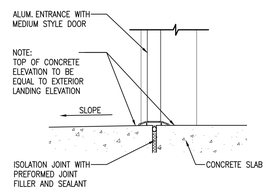
HEAD DETAIL H2

1-1/2" = 1'



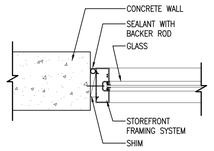
HEAD DETAIL H3

1-1/2" = 1'



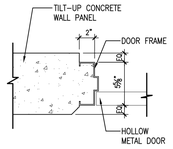
SILL DETAIL S1

1-1/2" = 1'



JAMB DETAIL J1

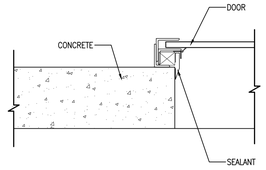
1-1/2" = 1'



NOTE:
PROVIDE REQUIRED ANCHORS TO TILT-UP PANELS

JAMB DETAIL J2

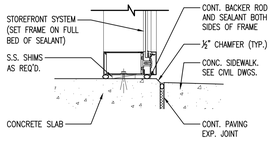
1-1/2" = 1'



NOTE:
PROVIDE REQUIRED ANCHORS TO TILT-UP PANELS

JAMB DETAIL J3

1-1/2" = 1'

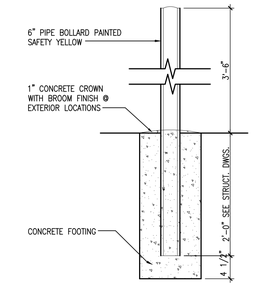


SILL DETAIL S2

1-1/2" = 1'

DOOR SCHEDULE

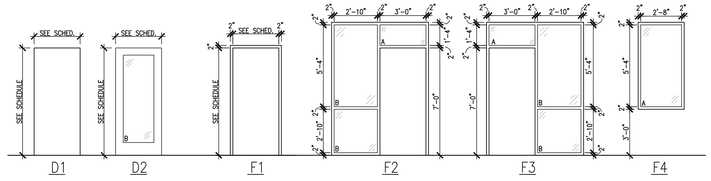
DOOR OPENING	ROOM NUMBER AND NAME	DOOR SIZE WIDTH	DOOR SIZE HEIGHT	DOOR SIZE THICKNESS	DOOR MATERIAL	DOOR FINISH	DOOR ELEVATION	DOOR GLASS	FRAME MATERIAL	FRAME FINISH	FRAME ELEVATION	FRAME GLASS	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS SILL	LABEL UL RATING	HARDWARE HINGES/PIVOTS	HARDWARE PUSH/PULL	HARDWARE EXIT DEVICE	HARDWARE LATCH SET	HARDWARE STOP	HARDWARE CLOSER	HARDWARE MISCELLANEOUS	HARDWARE WEATHER ST.	SECURITY ELEC. STRIKE	SECURITY MAG. LOCK	SECURITY CARD READER	REMARKS
																												ABBREVIATIONS ST = STAINED BA = BRONZE ANODIZED HM = HOLLOW METAL CLA = CLEAR ANODIZED WD = WOOD PT = PAINT W = WIRE GLASS AL= ALUMINUM INS = INSULATED GLASS CC = CLEAR ANODIZED T = TEMPERED GLASS PR = PAIR F = FIRE RATE TEMPERED GLASS * = MATCH EXISTING
100A	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	AL	CLA	D2	T	AL	CLA	F2	T	H1	J1	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	HARDWARE BY STOREFRONT MANUFACTURER
100B	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	AL	CLA	D2	T	AL	CLA	F2	T	H1	J1	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	HARDWARE BY STOREFRONT MANUFACTURER
100C	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	AL	CLA	D2	T	AL	CLA	F3	T	H1	J1	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	HARDWARE BY STOREFRONT MANUFACTURER
100D	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	AL	CLA	D2	T	AL	CLA	F2	T	H1	J1	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	HARDWARE BY STOREFRONT MANUFACTURER
100E	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	AL	CLA	D2	T	AL	CLA	F3	T	H1	J1	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	HARDWARE BY STOREFRONT MANUFACTURER
100F	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	AL	CLA	D1	T	AL	CLA	F2	T	H1	J1	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	HARDWARE BY STOREFRONT MANUFACTURER
100G	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	AL	CLA	D2	T	AL	CLA	F3	T	H1	J1	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	HARDWARE BY STOREFRONT MANUFACTURER
100H	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	AL	CLA	D2	T	AL	CLA	F2	T	H1	J1	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	HARDWARE BY STOREFRONT MANUFACTURER
100I	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	AL	CLA	D2	T	AL	CLA	F3	T	H1	J1	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	HARDWARE BY STOREFRONT MANUFACTURER
100J	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	AL	CLA	D2	T	AL	CLA	F2	T	H1	J1	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	HARDWARE BY STOREFRONT MANUFACTURER
100K	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	AL	CLA	D2	T	AL	CLA	F3	T	H1	J1	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	HARDWARE BY STOREFRONT MANUFACTURER
100L	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	AL	CLA	D2	T	AL	CLA	F3	T	H1	J1	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	HARDWARE BY STOREFRONT MANUFACTURER
100M	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	HM	PT	D1	-	HM	PT	F1	-	H2	J2	S-1	-	B-1	-	-	I-1	S-1	D-1	-	W-1	-	-	-	
100N	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	HM	PT	D1	-	HM	PT	F1	-	H2	J2	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	
100o	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	HM	PT	D1	-	HM	PT	F1	-	H2	J2	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	
100P	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	HM	PT	D1	-	HM	PT	F1	-	H2	J2	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	
100Q	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	HM	PT	D1	-	HM	PT	F1	-	H2	J2	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	
100R	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	HM	PT	D1	-	HM	PT	F1	-	H2	J2	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	
100S	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	HM	PT	D1	-	HM	PT	F1	-	H2	J2	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	
100T	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	HM	PT	D1	-	HM	PT	F1	-	H2	J2	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	
100U	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	HM	PT	D1	-	HM	PT	F1	-	H2	J2	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	
100V	100 WAREHOUSE	3'-0"	7'-0"	1-3/4"	HM	PT	D1	-	HM	PT	F1	-	H2	J2	S-1	-	B-1	-	-	L-1	S-1	D-1	M-2	W-1	-	-	-	



1 A500

BOLLARD DETAIL

SCALE: 1"=1'-0"



DOOR AND FRAME ELEVATIONS

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

A. ALL DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD UNLESS NOTED OR SHOWN OTHERWISE. ANY DIMENSIONS NOT SHOWN OR DEEMED QUESTIONABLE ARE TO BE VERIFIED BY ARCHITECT. DO NOT SCALE DRAWINGS.
B. PROVIDE WOOD BLOCKING SUPPORTS AS REQUIRED FOR ALL SURFACE MOUNTED ITEMS.
C. COORDINATE WORK OF THIS TRADE WITH OTHER TRADES.
D. DOOR AND FRAME NUMBERS CORRESPOND TO ROOM NUMBERS. WHERE MORE THAN ONE DOOR OCCURS IN A ROOM, 'A' SUFFIX HAS BEEN ADDED (I.E. 100A).
E. PROVIDE MISCELLANEOUS METAL SUPPORT FOR ALL CEILING SUSPENDED ITEMS.
F. APPLY SEALANT AT ALL JUNCTURES BETWEEN DIFFERENT MATERIALS (I.E. STOREFRONT AND GYPSUM BOARD).
G. APPLY SEALANT AT ALL PLUMBING FIXTURES AT JUNCTURE WITH WALL.
H. ALL DOORS MUST BE INSTALLED WITH AT LEAST THE MINIMUM MANEUVERING CLEARANCE AT THE DOOR APPROACH PER THE MOST CURRENT AMERICANS WITH DISABILITIES ACT AND FLORIDA BUILDING CODE.
I. ALL STEEL STUDS ARE TO BE BRACED ACCORDING TO MANUFACTURER'S LIMITING HEIGHT AND DEFLECTION L/120.
J. ALL INTERIOR WALLS SHALL BE MARKED IN PLACE PRIOR TO FRAMING FOR ARCHITECT TO REVIEW.
K. FLOOR SHALL BE CLEANED, SMOOTH AND LEVEL FOR INSTALLATION OF NEW FLOOR FINISHES AS SHOWN.
L. ALL FURNITURE & WORK STATIONS PROVIDED & INSTALLED BY TENANT.
M. PROVIDE GYPSUM BOARD, FURRING, AND INSULATION ON EXTERIOR WALL IN ALL CONDITIONED SPACE AS NECESSARY.
L. PROVIDE AND INSTALL PORTABLE FIRE EXTINGUISHERS IN THE WAREHOUSE AS REQUIRED BY NFPA 10. CONTRACTOR TO COORDINATE NUMBER, TYPE & LOCATION REQUIRED PER CODE AND CONFIRM WITH LOCAL FIRE MARSHALL.
M. PROVIDE SEALED PENETRATIONS INTO BUILDING FOR CABLE, TV & TELEPHONE. COORDINATE WITH OWNER.
O. COMBUSTIBLE MATERIAL SHALL BE ALLOWED IN ACCORDANCE WITH FBC SECTION 603.
P. CONTRACTOR TO BROOM FINISH ALL EXTERIOR CONCRETE WALKWAYS.

HARDWARE SCHEDULE

HINGES/PIVOTS

DES.	QTY.	TYPE	MODEL #	FINISH	BRAND
B-1	3/LEAF	HINGES	FBB179	US26D	STANLEY

LATCH-FUNCTION

DES.	QTY.	TYPE	MODEL #	FINISH	BRAND
L-1	1	ADA LEVER HARDWARE	D SERIES	US26D	SCHLAGE

STOP

DES.	QTY.	TYPE	MODEL #	FINISH	BRAND
S-1	1/LEAF	FLOOR STOP	3310	US26D	DCI

CLOSER

DES.	QTY.	TYPE	MODEL #	FINISH	BRAND
D-1	1/LEAF	SURFACE MTD. CLOSER	7700	US26D	NORTON

MISCELLANEOUS

DES.	QTY.	TYPE	MODEL #	FINISH	BRAND
M-1	1/LEAF	KICK PLATE	8"x34"	US32D	HIAWATHA
M-2	1	ADA COMPLIANT THUMB TURN		US26D	SCHLAGE

WEATHER STRIP

DES.	QTY.	TYPE	MODEL #	FINISH	BRAND
W-1	1	WEATHER STRIPPING AND THRESHOLD	MFG. STD.	MFG. STD.	MFG. STD.

PUSH/PULL

DES.	QTY.	TYPE	MODEL #	FINISH	BRAND
P-1	1	PUSH PLATE	30S	26D	HAGER
	1	PULL HANDLE	30E	26D	HAGER

PUSH/PULL

DES.	QTY.	TYPE	MODEL #	FINISH	BRAND
X-1	1	RIM PANIC DEVICE			

DOOR SCHEDULE NOTES:

1. COORDINATE KEYING LOCK SETS WITH OWNER.
2. ALL EXIT DOOR HARDWARE TO MEET THE REQUIREMENTS OF LIFE SAFETY CODE 101, SECTION 7.2.1.6.2.
3. INTERIOR WOOD DOORS TO BE POLYVINYL CHLORIDE.
4. VERIFY SECURITY HARDWARE WITH TENANT.
5. EXTERIOR DOORS TO BE METAL DOORS IN HALLOW METAL FRAMES.
6. ALL HARDWARE MAY BE SUBSTITUTED FOR EQUAL WITH ARCHITECT'S APPROVAL.
7. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED WITH SEMI-GLOSS ENAMEL TO MATCH ADJACENT WALL COLOR; UNLESS PRE-FINISHED
8. SEE MECHANICAL DRAWINGS FOR LOCATIONS OF DOORS THAT ARE UNDERCUT.
9. VERIFY WALL THICKNESS BEFORE ORDERING H.M. FRAMES.

GLASS SCHEDULE:

STOREFRONT SYSTEM TO BE YES 40FI OR APPROVED EQUAL. BLACK ANODIZED.

ALL GLASS TO BE TYPE 'A' UNLESS NOTED OTHERWISE.

TYPE 'A' 1" SOLARBAN 60 ON OPTIGRAY INSULATING GLASS

TYPE 'B' 1" SOLARBAN 60 ON OPTIGRAY INSULATING TEMPERED GLASS

OUTDOOR LITE: SOLARBAN60 OPTIGRAY 6MM
CAVITY: AIR ½"
INDOOR LITE: CLEAR 6MM

SHGC: 0.30

ALL WINDOWS AND STOREFRONT TO BE INSTALLED PER MANUFACTURERS SPECIFICATIONS AND RECOMMENDATIONS.

CLIENT:

S.A. CASEY CONSTRUCTION

ARCHITECTURE
135 West Central Blvd., Suite 400
Orlando, Florida 32801
TEL: 407.363.6136
AA26001097

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Revisions:

Scale: AS NOTED
Date: 04/07/23
Drawn By: CC
Checked By: CMS

HOGSHEAD WAREHOUSE
HOGSHEAD WAREHOUSE
3716 HOGSHEAD ROAD
APOPKA, FL 32703
SCHEDULE & DETAILS

Certified

Drawing Number: A500
Of Sheets

Issuance: --

A/E Job Number: 22165

CONSTRUCTION SITE PLAN

FOR

OAKMOOR (F.K.A. ONDICH NORTH)

CITY OF APOPKA, FLORIDA

OCPA PARCEL ID # 01-20-27-0000-00-007, 01-20-27-0000-00-034, 01-20-27-0000-00-053, 02-20-27-0000-00-010, 02-20-27-0000-00-011, 02-20-27-0000-00-020

LEGAL DESCRIPTION PER ALLEN & COMPANY PROFESSIONAL SURVEYORS & MAPPERS DATED: NOVEMBER 7, 2023

LEGAL DESCRIPTION PER TITLE COMMITMENT NO. 110199887:

PARCEL 1:

THAT PART OF THE SOUTHEAST ¼ OF THE SOUTHWEST ¼, LYING NORTH OF ONDICH ROAD AND THE NORTH ¼ OF THE SOUTHWEST ¼ OF THE SOUTHEAST ¼ OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 27 EAST, ORANGE COUNTY, FLORIDA.

LESS AND EXCEPT THAT PORTION AS SET FORTH IN THAT CERTAIN ORDER OF TAKING RECORDED JANUARY 30, 2015 IN OFFICIAL RECORDS BOOK 10869, PAGE 79, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

PARCEL 2:

THE SOUTHEAST ¼ OF THE NORTHEAST ¼ OF SECTION 2, TOWNSHIP 20 SOUTH, RANGE 27 EAST, ORANGE COUNTY, FLORIDA.

TOGETHER WITH A NON-EXCLUSIVE EASEMENT FOR UNIMPEDED PEDESTRIAN AND VEHICULAR ACCESS, INGRESS, AND EGRESS AS CREATED IN THAT CERTAIN EASEMENT AGREEMENT, RECORDED MARCH 7, 2018 IN INSTRUMENT NO. 20180135614, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

PARCEL 3:

A TRACT OF LAND, LYING IN THE SOUTHWEST QUARTER OF SECTION 1, TOWNSHIP 20 SOUTH, RANGE 27 EAST, ORANGE COUNTY, FLORIDA, BEING DESCRIBED AS FOLLOWS:

BEGIN AT THE NORTHWEST CORNER OF THE SOUTHWEST QUARTER OF SAID SECTION 1; THENCE RUN NORTH 88°56'20" EAST, ALONG THE NORTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 1, A DISTANCE OF 2684.78 FEET TO THE NORTHEAST CORNER OF THE SOUTHWEST QUARTER OF SAID SECTION 1; THENCE RUN NORTH 88°56'20" EAST, ALONG THE NORTH LINE OF THE SOUTHEAST QUARTER OF SAID SECTION 1, A DISTANCE OF 321.24 FEET TO A POINT LYING ON THE WESTERLY LIMITED ACCESS RIGHT-OF-WAY LINE OF STATE ROAD 429 (WEKIVA PARKWAY), STATE ROAD 46 CONNECTOR INTERCHANGE, PER CENTRAL FLORIDA EXPRESSWAY AUTHORITY RIGHT-OF-WAY MAP F.P. NUMBER 429-204; THENCE DEPARTING SAID NORTH LINE, RUN SOUTH 15°03'37" EAST, ALONG SAID WESTERLY LIMITED ACCESS RIGHT-OF-WAY LINE, 1206.74 FEET TO THE POINT OF CURVATURE OF A CURVE, CONCAVE SOUTHWESTERLY; THENCE RUN SOUTHEASTERLY, ALONG SAID WESTERLY LIMITED ACCESS RIGHT-OF-WAY LINE AND SAID CURVE, HAVING A RADIUS OF 22824.00 FEET, A CENTRAL ANGLE OF 00°23'21", AN ARC LENGTH OF 155.00 FEET, A CHORD LENGTH OF 155.00 FEET AND A CHORD BEARING OF SOUTH 14°51'56" EAST TO A POINT LYING ON THE SOUTH LINE OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 1; THENCE DEPARTING SAID WESTERLY LIMITED ACCESS RIGHT-OF-WAY LINE, RUN NON-TANGENT TO SAID CURVE, SOUTH 89°08'51" WEST, ALONG THE SOUTH LINE OF THE NORTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 1, A DISTANCE OF 668.30 FEET TO THE SOUTHEAST CORNER OF THE NORTH HALF OF THE SOUTHWEST QUARTER OF SAID SECTION 1; THENCE RUN SOUTH 89°07'52" WEST, ALONG THE SOUTH LINE OF THE NORTH HALF OF THE SOUTHWEST QUARTER OF SAID SECTION 1, A DISTANCE OF 2036.77 FEET TO THE NORTHEAST CORNER OF THE WEST 330.00 FEET OF THE EAST HALF OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 1; THENCE DEPARTING SAID SOUTH LINE, RUN SOUTH 01°23'13" WEST, ALONG THE EAST LINE OF THE WEST 330.00 FEET OF THE EAST HALF OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 1, A DISTANCE OF 1283.24 FEET TO A POINT LYING ON THE NORTH RIGHT-OF-WAY LINE OF ONDICH ROAD; THENCE RUN SOUTH 89°19'14" WEST, ALONG SAID NORTH RIGHT-OF-WAY LINE, 330.21 FEET TO A POINT LYING ON THE WEST LINE OF THE WEST 330.00 FEET OF THE EAST HALF OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 1; THENCE DEPARTING SAID NORTH RIGHT-OF-WAY LINE, RUN NORTH 01°23'13" EAST, ALONG THE WEST LINE OF THE WEST 330.00 FEET OF THE EAST HALF OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 1, A DISTANCE OF 1282.15 FEET TO A POINT LYING ON AFORESAID SOUTH LINE OF THE NORTH HALF OF THE SOUTHWEST QUARTER OF SAID SECTION 1; THENCE RUN SOUTH 89°07'52" WEST, ALONG THE SOUTH LINE OF THE NORTH HALF OF THE SOUTHWEST QUARTER OF SAID SECTION 1, A DISTANCE OF 338.14 FEET TO THE SOUTHWEST CORNER OF THE NORTH HALF OF THE SOUTHWEST QUARTER OF SAID SECTION 1; THENCE RUN NORTH 01°29'49" EAST, ALONG THE WEST LINE OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 1, A DISTANCE OF 1311.14 FEET TO THE POINT OF BEGINNING.

PARCEL 4:

THE NE ¼ OF THE NE ¼ OF THE SE ¼ OF SECTION 2, TOWNSHIP 20 SOUTH, RANGE 27 EAST, TOGETHER WITH NON-EXCLUSIVE EASEMENTS FOR INGRESS AND EGRESS OVER THE EAST 20 FEET OF THE SE ¼ OF THE SE ¼ OF SAID SECTION 2, AS RECORDED IN OFFICIAL RECORDS BOOK 3995, PAGE 3632 AND OVER THE EAST 20 FEET OF THE SOUTH ½ OF THE NE ¼ OF THE SE ¼, AS RECORDED IN OFFICIAL RECORDS BOOK 5142, PAGE 3281, ALL OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

PARCEL 5:

THE NORTHWEST ¼ OF THE NORTHEAST ¼ OF THE SOUTHEAST ¼ OF SECTION 2, TOWNSHIP 20 SOUTH, RANGE 27 EAST, ORANGE COUNTY, FLORIDA.

CONTAINING: 196.834 ACRES, MORE OR LESS.

PROJECT TEAM:

APPLICANT/DEVELOPER
PULTE HOME COMPANY, LLC.
CONTACT: AARON STRUCKMEYER, P.E.
4901 VINELAND ROAD, SUITE 500
ORLANDO, FLORIDA 32811
PHONE: (407) 967-5564
EMAIL: AARON.STRUCKMEYER@PULTEGROUP.COM

ENGINEER
1828 ENGINEERING, LLC
ENGINEER: LUKE M. CLASSON, P.E.
2400 MAITLAND CENTER PARKWAY
MAITLAND, FLORIDA 32751
PHONE: (407) 558-2228
EMAIL: LCLASSON@1828ENG.COM

SURVEYOR
ALLEN & COMPANY, INC.
SURVEYOR: BRICE HELLSTORM, P.S.M.
16 EAST PLANT STREET
WINTER GARDEN, FLORIDA 34787
PHONE: (407) 654-5355
EMAIL: BRICE@ALLEN-COMPANY.COM

ENVIRONMENTAL CONSULTANT
BIO-TECH CONSULTING, INC.
CONTACT: STEPHEN BUTLER
3025 EAST SOUTH STREET
ORLANDO, FLORIDA 32803
PHONE: (407) 894-5969
EMAIL: STEVE@BIO-TECHCONSULTING.COM

GEOTECHNICAL ENGINEER
UNIVERSAL ENGINEERING SCIENCES, LLC
ENGINEER: RICARDO C. KIRIAKIDIS, .P.E.
3532 MAGGIE BLVD.,
ORLANDO, FLORIDA 32811
PHONE: (407) 423-3106
EMAIL: RKIRIAKIDIS@TEAMUES.COM

TRAFFIC ENGINEER
TRAFFIC & MOBILITY CONSULTANTS, LLC
ENGINEER: AYMAN HASAN AS-SAIDI, P.E.
3101 MAGUIRE BOULEVARD, SUITE 265
ORLANDO, FLORIDA 32803
PHONE: (407) 531-5332
EMAIL: AYMANA@TRAFFICMOBILITY.COM

UTILITY PROVIDERS

WATER/SEWER/RECLAIMED:
CITY OF APOPKA
748 E. CLEVELAND STREET
APOPKA, FLORIDA 32703
CONTACT:VLADIMIR SIMONOVSKI, P.E.
PHONE: (407) 703-1731

SOLID WASTE COLLECTION:
CITY OF APOPKA
748 EAST CLEVELAND STREET
APOPKA, FLORIDA 32703
PHONE: (407) 703-1731

CABLE:
CHARTER COMMUNICATIONS
(A.K.A. SPECTRUM)
3767 ALL AMERICAN BOULEVARD
ORLANDO, FLORIDA 32810
CONTACT: TRACEY DOMOSTOY
PHONE: (407) 532-8509

TELEPHONE/FIBER:
CENTURY LINK
33 NORTH MAIN STREET, ROOM 144
WINTER GARDEN, FLORIDA 34787
CONTACT: BILLY HAGER
PHONE: (407) 814-5329

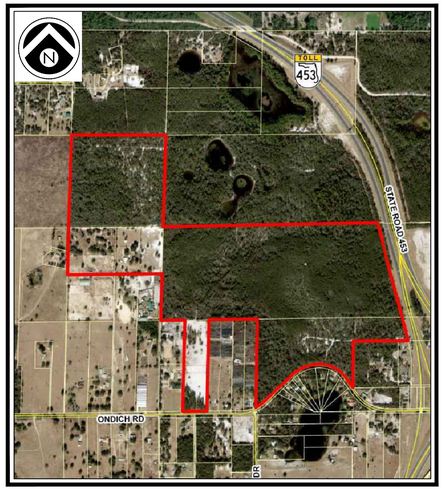
CHARTER COMMUNCATIONS
(A.K.A. SPECTRUM)
3767 ALL AMERICAN BOULEVARD
ORLANDO, FLORIDA 32810
CONTACT: TRACEY DOMOSTOY
PHONE: (407) 532-8509

POWER:
DUKE ENERGY
3250 BONNETT CREEK ROAD
PO BOX 10000
LAKE BUENA VISTA, FLORIDA 32830
CONTACT: JENNIFER NAZARIAN
PHONE: (407) 938-6611

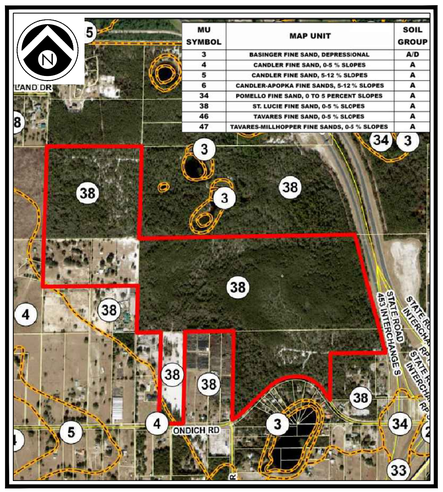
NARRATIVE:

THE PROPERTY IS MADE UP OF SIX PARCELS THAT ARE LOCATED ALONG THE WEST OF STATE ROAD 453, NORTH OF ONDICH ROAD, AND NORTHEAST OF THE CROSSROADS AT KELLY PARK DEVELOMENT. THE ADDRESSES FOR THE CORRESPONDING PARCELS ARE 3658, 3845, 4255, 4267 ONDICH ROAD, & OAK LANE, APOPKA, FLORIDA, 32712, IN THE CITY OF APOPKA. THE SUBJECT PROPERTY HAS A TOTAL AREA OF 196.83AC. THE PROPOSED DEVELOPMENT IS A RESIDENTIAL SUBDIVISION WITH 196 INDIVIDUAL SINGLE FAMILY LOTS AND THE ASSOCIATED ROADWAYS AND RETENTION AREAS TO BE DEVELOPED ACCORDING TO PD ORDINANCE 3117. THE POTABLE WATER, RECLAIMED WATER AND WASTEWATER WILL BE PROVIDED BY THE CITY OF APOPKA UTILITIES. A FEE SIMPLE OWNERSHIP, SUCH AS A HOME OWNERS ASSOCIATION, WILL BE CREATED TO CONTROL AND MAINTAIN ALL OF THE PROPOSED SUBDIVISION'S COMMON AREAS, WHICH INCLUDE ALL LANDS EXCLUDING THE INDIVIDUAL LOTS.

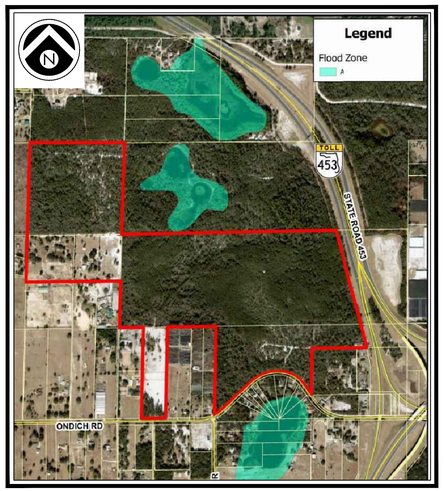
VICINITY MAP
SCALE: 1" = 2000'



AERIAL MAP
SCALE: 1" = 1000'



SOILS MAP
SCALE: 1" = 1000'



FEMA FLOOD MAP
SCALE: 1" = 1000'

SHEET INDEX

	COVER SHEET
C1.0	GENERAL NOTES
C1.1	ABBREVIATIONS & SYMBOLS
C1.2	OVERALL EXISTING CONDITIONS
C1.3-C1.12	EXISTING CONDITIONS
C2.0	OVERALL DEMO, EROSION & M.O.T. PLAN
C2.1-C2.10	DEMO, EROSION & M.O.T. PLAN
C2.11-C2.12	DEMO, EROSION & M.O.T. DETAILS
C3.0	PD MASTER PLAN
C3.1	PD MASTER PLAN DEVELOPMENT STANDARDS
C4.0	OVERALL GEOMETRY PLAN
C4.1-C4.9	GEOMETRY PLAN
C4.10	LOT DATA TABLES
C4.11	CURVE TABLES
C4.12	OPEN SPACE PLAN
C4.13-C4.14	CROSS SECTIONS
C4.15	PHASING PLAN
C4.16	PHASING PLAN DETAIL
C4.17-C4.18	FIRE TRUCK ROUTE PLAN
C4.19	LIGHTING PLAN
C4.20	OVERALL SIGNAGE & STRIPING PLAN
C4.21-C4.29	SIGNAGE & STRIPING PLAN
C5.0	UTILITY NOTES
C5.1	OVERALL UTILITY PLAN
C5.2-C5.11	UTILITY PLAN
C6.0	OVERALL PAVING & GRADING PLAN
C6.1-C6.9	PAVING & GRADING PLAN
C6.10	GRADING DETAILS
C7.0	OVERALL DRAINAGE PLAN
C7.1-C7.9	DRAINAGE PLAN
C8.0-C8.6	PLAN & PROFILE - STREET A
C8.7-C8.9	PLAN & PROFILE - STREET B
C8.10-C8.20	PLAN & PROFILE - STREET C
C8.21	PLAN & PROFILE - STREET D
C8.22-C8.23	PLAN & PROFILE - STREET E
C9.0	CIVIL DETAILS
C10.0-C10.3	DRAINAGE DETAILS
C11.0-C11.2	UTILITY DETAILS
C11.3-C11.4	LIFT STATION DETAILS
	LANDSCAPE COVER SHEET
L-200 - L-208	FINAL EXISTING TREE MITIGATION PLAN
L-209 - L-227	FINAL EXISTING TREE NUMBER REFERENCE
L-300 - L-310	FINAL LANDSCAPE PLAN
L-311	PLANT LIST, NOTES, & TYPICAL LOT PLAN
L-312	FINAL LANDSCAPE DETAILS
L-400 - L-414	FINAL IRRIGATION PLAN
L-415	FINAL IRRIGATION SCHEDULE
L-416 - L-417	FINAL IRRIGATION DETAILS
L-418	FINAL IRRIGATION SPECIFICATIONS
L-500 - L-508	FINAL PHOTOMETRIC PLAN
L-509	FINAL SIGN & LANDSCAPE LIGHTING PLAN
SHEET 1	LEGAL DESCRIPTION, NOTES AND LEGEND
SHEET 2	BOUNDARY SURVEY (NORTHERN AREA)
SHEET 3	BOUNDARY SURVEY (SOUTHERN AREA)
SHEET 4	KEY MAPS
SHEETS 5-10	TOPOGRAPHIC SURVEY
SHEETS 11-13	ROUTE SURVEY
SHEETS 14-26	TREE SURVEY
SHEETS 27-45	TREE TABLES

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1828 ENGINEERING

2400 MAITLAND CENTER PKWY, SUITE 107
MAITLAND, FLORIDA 32751
(407) 558-2228

BOARD OF PROFESSIONAL
ENGINEERING REGISTRY
NO. 39060

PERMITS REQUIRED

AGENCY	PERMIT TYPE	DATE APPLIED	DATE APPROVED	APPROVAL NO.
CITY OF APOPKA	MAJOR DEVELOPMENT PLAN (MDP)	10/23/25	04/01/26	
CITY OF APOPKA	CONSTRUCTION SITE PLAN (CSP)	03/06/26		
CITY OF APOPKA	ARBOR MITIGATION PERMIT			
S.J.R.W.M.D.	ENV. RESOURCE PERMIT (ERP)	01/08/26		
F.D.E.P.	WATER			
F.D.E.P.	WASTEWATER			
F.D.E.P.	NPDES			
ORANGE COUNTY	E-PERMIT	11/25/25		25-E-341

REV.	DATE	DESCRIPTION
1	03/03/2026	SJRWMD COMMENTS DATED 02/06/2026
2	04/03/2026	SJRWMD COMMENTS DATED 04/01/2026
3	05/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026
4		
5		
6		
7		
8		
9		
10		

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER
Digitally signed by Luke M Classon
Date: 2026.05.12 17:12:17 -04'00'
Luke M Classon
STATE OF FLORIDA 5/12/26

It is unlawful for anyone, except those authorized by the signing engineer, to modify this document in any way. Any unauthorized modification will result in the removal of the engineer's seal from the document and all liability for the document will be disclaimed by the engineer.

P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\COVER SHEET.dwg Plotted:5/12/2026 By:afrancis

P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\GENERAL NOTES.dwg Modified: 4/20/2026 By:bkillela Plotted By:andrew.francis

GENERAL NOTES

1. UNLESS OTHERWISE SPECIFIED, ALL WORK SHALL BE PERFORMED CONSISTENT WITH THE FOLLOWING SPECIFICATIONS:
   - ORANGE COUNTY, FLORIDA
   - CITY OF APOPKA, FLORIDA
   - ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
   - FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
   - NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
2. THE GEOTECHNICAL REPORT SHALL BE REVIEWED BY THE CONTRACTOR, AND THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SITE, INCLUDING ALL SURFACE AND SUBSURFACE CONDITIONS, THE WORK REQUIRED, AND ALL OTHER CONDITIONS THAT MAY AFFECT THE SUCCESSFUL COMPLETION OF THE JOB PRIOR TO COMMENCEMENT OF WORK.
3. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND PERMIT CONDITIONS BEARING ON THE CONDUCT OF THE WORK, AS DRAWN AND SPECIFIED. IF THE CONTRACTOR OBSERVES THAT THE DRAWINGS AND SPECIFICATIONS ARE AT VARIANCE THEREWITH, HE SHALL PROMPTLY NOTIFY THE ENGINEER, IN WRITING, AND ANY NECESSARY CHANGES SHALL BE ADJUSTED, AS PROVIDED IN THE AGREEMENT FOR CHANGES IN THE WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER AND THE ENGINEER FOR THE ACTS AND OMISSIONS OF CONTRACTOR'S EMPLOYEES AND ALL HIS SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES AND OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS WITH GOVERNMENTAL DEPARTMENTS, PUBLIC UTILITIES, PUBLIC CARRIERS, SERVICE COMPANIES, AND CORPORATIONS OWNING OR CONTROLLING ROADWAYS, RAILWAYS, WATER, SEWER, GAS, ELECTRICAL, TELEPHONE, AND TELEGRAPH FACILITIES SUCH AS PAVEMENTS, TRACKS, PIPING, WIRES, CABLES, CONDUITS, POLES, GUYS, OR OTHER SIMILAR FACILITIES, INCLUDING INCIDENTAL STRUCTURES CONNECTED THEREWITH THAT ARE ENCOUNTERED IN THE WORK IN ORDER THAT SUCH ITEMS MAY BE PROPERLY SUPPORTED, PROTECTED OR LOCATED.
6. UNLESS OTHERWISE SPECIFIED IN THE GENERAL CONDITIONS, ALL CONSTRUCTION IS TO BE GOVERNED BY THE PLANS, APPLICABLE PERMITS, AND SPECIFICATIONS HEREIN, AND ALL APPLICABLE FEDERAL, STATE AND LOCAL BUILDING AND SAFETY CODES, LAWS AND ORDINANCES.
7. PRIOR TO PERFORMING ANY WORK WITHIN ANY PUBLIC OR UTILITY RIGHT-OF-WAY, CONTRACTOR SHALL OBTAIN AUTHORIZATION AND PERMIT FROM JURISDICTION RESPONSIBLE FOR SUCH RIGHT-OF-WAY. IN ADDITION, CONTRACTOR SHALL OBTAIN GAS I.D. NUMBER FROM LOCAL GAS COMPANY AND NOTIFY SUNSHINE STATE ONE-CALL UTILITY NOTIFICATION CENTER AT 1-800-432-4770 AT LEAST 48 HOURS PRIOR TO START OF WORK.
8. PRIOR TO PERFORMING ANY WORK WITHIN ANY PUBLIC RIGHT-OF-WAY, CONTRACTOR SHALL DEVELOP AND IMPLEMENT A TRAFFIC CONTROL PLAN CONSISTENT WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, AND SUBMIT TO THE COUNTY ENGINEER FOR APPROVAL.
9. IN THE EVENT THE CONTRACTOR DISCOVERS ANY ERRORS OR OMISSIONS IN THE PLANS HE SHALL IMMEDIATELY NOTIFY THE ENGINEER AND/OR OWNER OR OWNER'S AGENT.
10. CONTRACTOR SHALL PRESERVE AND PROTECT ALL PERMANENT REFERENCE MONUMENTS, PERMANENT CONTROL POINTS, PERMANENT BENCH MARKS AND PROPERTY CORNERS. IN THE EVENT THE MONUMENTS, POINTS OR MARKERS ARE DISTURBED THE CONTRACTOR SHALL EMPLOY A FLORIDA REGISTERED LAND SURVEYOR TO RESET OR REPLACE THEM.
11. THE OWNER, OWNER'S AGENT AND INSPECTORS OF APPLICABLE GOVERNMENT JURISDICTIONS, SHALL AT ALL TIMES HAVE ACCESS TO THE WORK WHEREVER AND WHENEVER IT IS IN PREPARATION OR PROGRESS; AND THE CONTRACTOR SHALL PROVIDE PROPER FACILITIES FOR SUCH ACCESS AND FOR THE INSPECTION.
12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE ALL REASONABLE AND PRUDENT PRECAUTIONS TO INSURE THAT ALL COMPLETED WORK, MATERIALS AND EQUIPMENT STORED ON SITE ARE SAFE AND SECURED FROM UNAUTHORIZED ACCESS, USE, THEFT, OR VANDALISM. SUCH PRECAUTIONS MAY INCLUDE INSTALLATION OF SIGNS, FENCES, OR POSTING OF SECURITY GUARDS.
13. CONTRACTOR SHALL, AT ALL TIMES, UTILIZE ALL NORMALLY ACCEPTED AND REASONABLY EXPECTED SAFETY PRACTICES AND COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND GUIDELINES PERTAINING TO SAFE UTILIZATION OF EQUIPMENT OR MATERIALS AS PUBLISHED BY THEIR MANUFACTURER'S.
14. PRIOR TO INITIATING ANY EXCAVATION (INCLUDING BUT NOT LIMITED TO TUNNELS, DITCHES, STORM WATER PONDS, CANALS, ARTIFICIAL LAKES) CONTRACTOR SHALL INSTALL FENCES AND/OR TAKE ALL OTHER REASONABLE AND PRUDENT STEPS TO INSURE THAT ACCESS TO EXCAVATION BY UNAUTHORIZED PERSONNEL IS PREVENTED.
15. CONTRACTOR SHALL COMPLY IN EVERY RESPECT WITH THE PROVISIONS OF THE FLORIDA STATE TRENCH SAFETY ACT.
16. THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS FOR THE SAFETY OF, AND SHALL PROVIDE ALL REASONABLE PROTECTION TO PREVENT DAMAGE, INJURY OR LOSS TO:
    A. ALL EMPLOYEES ON THE WORK AND ALL OTHER PERSONS WHO MAY BE AFFECTED THEREBY;
    B. ALL THE WORK AND ALL MATERIALS AND EQUIPMENT TO BE INCORPORATED THEREIN, WHETHER IN STORAGE ON OR OFF THE SITE, UNDER THE CARE, CUSTODY OR CONTROL OF THE CONTRACTOR OR ANY OF ITS SUBCONTRACTORS;
    C. OTHER PROPERTY AT THE SITE OR ADJACENT THERETO, INCLUDING TREES, SHRUBS, LAWNS, WALKS, PAVEMENTS, ROADWAY, STRUCTURES AND UTILITIES NOT DESIGNATED FOR DEMOLITION IN THE COURSE OF CONSTRUCTION.
17. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY CODES AND WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC, QUASI PUBLIC OR OTHER AUTHORITY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY OR FOR THEIR PROTECTION AGAINST DAMAGE, INJURY OR LOSS, OR DESIGNED TO PROTECT THE ENVIRONMENT. THE CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY EXISTING CONDITIONS AND PROGRESS OF THE WORK, ALL REASONABLE SAFEGUARDS FOR SAFETY AND PROTECTION, INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS, PROMULGATING SAFETY REGULATIONS AND NOTIFYING OWNERS AND USERS OF ADJACENT UTILITIES OF THE EXISTENCE OF HAZARDS AND OF THE SAFETY REGULATIONS.
18. ALL DAMAGE OR LOSS TO ANY PROPERTY CAUSED IN WHOLE OR IN PART BY THE CONTRACTOR, A SUBCONTRACTOR, OR BY ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, SHALL BE REMEDIED BY THE CONTRACTOR, EXCEPT DAMAGE OR LOSS PROPERLY ATTRIBUTABLE SOLELY TO THE ACTS OR OMISSIONS OF THE OWNER, OR THE ENGINEER OR ANYONE EMPLOYED BY THEM, OR FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, AND NOT PROPERLY ATTRIBUTABLE IN WHOLE OR IN PART, TO THE FAULT OR NEGLIGENCE OF THE CONTRACTOR.
19. THOSE PARTS OF WORK IN PLACE WHICH ARE SUBJECT TO DAMAGE BECAUSE OF OPERATIONS BEING CARRIED ON ADJACENT THERETO SHALL BE COVERED, BOARDED UP OR SUBSTANTIALLY ENCLOSED WITH ADEQUATE PROTECTION BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
20. UNTIL FINAL ACCEPTANCE OF THE WORK BY OWNER, THE CONTRACTOR SHALL HAVE THE CHARGE AND CARE OF AND SHALL BEAR THE RISK OF INJURY OR DAMAGE, LOSS OR EXPENSE TO ANY PART THEREOF, OR TO ANY MATERIALS STORED ON SITE, BY THE ACTION OF THE ELEMENTS OR FROM ANY OTHER CAUSE WHETHER ARISING FROM THE EXECUTION OR NON-EXECUTION OF THE WORK. THE CONTRACTOR SHALL REBUILD, REPAIR, RESTORE AND MAKE GOOD ALL INJURIES OR DAMAGES TO ANY PORTION OF THE WORK OCCASIONED BY ANY OF THE ABOVE CAUSES BEFORE FINAL ACCEPTANCE AND SHALL BEAR THE EXPENSES THEREOF.
21. ADEQUATE TRAFFIC CONTROL, BARRICADES AND FLAGMAN SERVICES SHALL BE FURNISHED AND MAINTAINED BY THE CONTRACTOR AT ALL POINTS WHERE CONVEYING EQUIPMENT ENGAGED ON THE WORK REGULARLY ENTERS ONTO OR CROSSES TRAFFIC-CARRYING ROADS.
22. THE CONTRACTOR SHALL COMPLY IN EVERY RESPECT WITH THE FEDERAL OCCUPATIONAL HEALTH AND SAFETY ACT OF 1970 AND ALL RULES AND REGULATIONS NOW OR HEREAFTER IN EFFECT UNDER SAID ACT, AND THE CONTRACTOR FURTHER AGREES TO COMPLY WITH ANY AND ALL APPLICABLE STATE LAWS AND REGULATIONS PERTAINING TO JOB SAFETY AND HEALTH.
23. CONTRACTOR AND ITS SUBCONTRACTORS SHALL USE, HANDLE, TRANSPORT, AND DISPOSE OF ALL MATERIALS (HAZARDOUS OR OTHERWISE) IN COMPLIANCE WITH ALL PRESENT FEDERAL, STATE AND LOCAL ENVIRONMENTAL, HEALTH OR SAFETY LAW, INCLUDING, BUT NOT LIMITED TO, ALL SUCH STATUTES, REGULATIONS, RULES, ORDINANCES, CODES, AND RULES OF COMMON LAW.
24. CONTRACTOR FURTHER AGREES THAT CONTRACTOR AND ITS SUBCONTRACTORS SHALL NOT CAUSE THE DISCHARGE, RELEASE OR DISPOSAL OF ANY HAZARDOUS MATERIAL CREATED BY ITS WORK ON OR ABOUT THE JOB SITE. IN THE EVENT OF ANY SPILL, RELEASE OR ANY OTHER REPORTABLE OCCURRENCE, CONTRACTOR SHALL NOTIFY THE APPROPRIATE GOVERNMENTAL AGENCY AND SHALL TAKE SUCH ACTION AS MAY BE NECESSARY TO MINIMIZE THE DELETERIOUS EFFECT OF SUCH SPILL ON PERSONS OR PROPERTY.
25. THE CONTRACTOR SHALL PROTECT AND KEEP OWNER (INCLUDING THEIR AGENTS AND EMPLOYEES) FREE AND HARMLESS FROM ANY AND ALL LIABILITY, PUBLIC OR PRIVATE, PENALTIES, CONTRACTUAL OR OTHERWISE, LOSSES, DAMAGES, COSTS, ATTORNEY'S FEES, EXPENSES, CAUSES OF ACTION, CLAIMS OR JUDGMENTS RESULTING FROM THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AS AMENDED OR ANY RULE OR REGULATION PROMULGATED THEREUNDER OR OF ANY STATE LAWS OR REGULATIONS PERTAINING TO JOB SAFETY AND HEALTH ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PERFORMANCE OF WORK OR WORK TO BE PERFORMED UNDER THIS CONTRACT, AND CONTRACTOR SHALL INDEMNIFY OWNER FROM ANY SUCH CLAIMS, PENALTIES, SUITS OR ACTIONS, PUBLIC OR PRIVATE, ADMINISTRATIVE OR JUDICIAL, INCLUDING ATTORNEY'S FEES PAID OR INCURRED BY OR ON BEHALF OF OWNER, JOINTLY OR SEVERALLY, AND/OR THEIR AGENTS AND EMPLOYEES. THE CONTRACTOR FURTHER AGREES, IN THE EVENT OF A CLAIMED VIOLATION OF ANY FEDERAL OR STATE SAFETY AND HEALTH LAW OR REGULATION ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PERFORMANCE OF WORK OR WORK TO BE PERFORMED UNDER THIS CONTRACT, OWNER MAY IMMEDIATELY TAKE WHATEVER ACTION IS DEEMED NECESSARY BY OWNER TO REMEDY THE CLAIMED VIOLATION. ANY AND ALL COSTS OR EXPENSES PAID OR INCURRED BY OWNER IN TAKING SUCH ACTION SHALL BE BORNE BY CONTRACTOR, AND CONTRACTOR AGREES TO PROTECT, HOLD HARMLESS AND INDEMNIFY OWNER AGAINST ANY AND ALL SUCH COSTS OR EXPENSES.
26. CONTRACTOR AND ITS SUBCONTRACTORS SHALL, UPON COMPLETION OF PERFORMANCE OF ALL DUTIES UNDER THIS CONTRACT, REMOVE ALL SUPPLIES, MATERIALS, AND WASTE CONTAINING AND HAZARDOUS MATERIAL FROM THE JOB SITE. CONTRACTOR SHALL BEAR FULL FINANCIAL RESPONSIBILITY, AS BETWEEN THE PARTIES OF THIS CONTRACT, FOR THE COMPLIANCE OF CONTRACTOR AND ITS SUBCONTRACTORS WITH THE PROVISIONS OF THIS CONTRACT.
27. CONTRACTOR AGREES TO INDEMNIFY, DEFEND, PROTECT AND HOLD THE OWNER HARMLESS FROM AND AGAINST ANY CLAIMS INCLUDING, WITHOUT LIMITATION, ACTUAL ATTORNEY'S FEES AND ANY COSTS OF INVESTIGATION, SOILS TESTING, GOVERNMENTAL APPROVALS, REMEDIATION AND CLEANUP ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE FAILURE OF CONTRACTOR OR ITS SUBCONTRACTORS, OR THEIR AGENTS, EMPLOYEES, OFFICERS, OR REPRESENTATIVES, TO COMPLY WITH THE TERMS OF THESE CONSTRUCTION DOCUMENTS.
28. SHOULD CONTRACTOR OR ITS SUBCONTRACTORS DISCHARGE, RELEASE OR DISPOSE OF ANY HAZARDOUS MATERIAL ON OR ABOUT THE JOB SITE IN VIOLATION OF THESE CONSTRUCTION DOCUMENTS, CONTRACTOR SHALL IMMEDIATELY SO INFORM OWNER & ENGINEER IN WRITING. IN THE EVENT OF ANY SPILL, RELEASE OR ANY OTHER REPORTABLE OCCURRENCE, CONTRACTOR SHALL NOTIFY THE APPROPRIATE GOVERNMENTAL AGENCY, OWNER & ENGINEER AND SHALL TAKE SUCH ACTION AS MAY BE NECESSARY TO MINIMIZE THE DELETERIOUS EFFECT OF SUCH SPILL ON PERSONS OR PROPERTY.
29. IN THE EVENT CONTRACTOR OR ITS SUBCONTRACTORS ENCOUNTER ON THE PREMISES ANY PIPELINE, UNDERGROUND STORAGE TANK OR OTHER CONTAINER, OF ANY KIND, THAT MAY CONTAIN A HAZARDOUS MATERIAL, OR ENCOUNTER MATERIAL REASONABLY BELIEVED TO BE A HAZARDOUS MATERIAL, CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AREA AFFECTED AND REPORT THE CONDITION TO OWNER AND/OR ENGINEER IN WRITING.
30. "HAZARDOUS MATERIAL" MEANS ANY SUBSTANCE: (A) THE PRESENCE OF WHICH REQUIRES INVESTIGATION OR REMEDIATION UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, ORDINANCE, RULE, CODE, ORDER, ACTION, POLICY OR COMMON LAW, OR (B) WHICH IS OR BECOMES DEFINED AS A "HAZARDOUS WASTE," "HAZARDOUS SUBSTANCE," POLLUTANT OR CONTAMINANT UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, RULE OR ORDINANCE OR AMENDMENTS THERETO INCLUDING, WITHOUT LIMITATION, THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (42 U.S.C. SECTIONS 9601 ET SEQ.) AND/OR THE RESOURCE CONSERVATION AND RECOVERY ACT (42 U.S.C. SECTIONS 6901 ET SEQ.), OR (C) WHICH IS TOXIC, EXPLOSIVE, CORROSIVE, FLAMMABLE, INFECTIOUS, RADIOACTIVE, CARCINOGENIC, MUTAGENIC, OR OTHERWISE HAZARDOUS AND IS REGULATED BY ANY GOVERNMENTAL AUTHORITY, AGENCY, DEPARTMENT, COMMISSION, BOARD, AGENCY OR INSTRUMENTALITY OF THE UNITED STATES, THE STATE IN WHICH THE PREMISES ARE LOCATED OR ANY POLITICAL SUBDIVISION THEREOF, OR (D) THE PRESENCE OF WHICH ON THE PREMISES CAUSES OR THREATENS TO CAUSE A NUISANCE UPON THE PREMISES OR TO ADJACENT PROPERTIES OR POSES OR THREATENS TO POSE A HAZARD TO THE HEALTH OR SAFETY OF PERSONS ON OR ABOUT THE PREMISES, OR (E) WHICH CONTAINS GASOLINE, DIESEL FUEL OR OTHER PETROLEUM HYDROCARBONS, OR (F) WHICH CONTAINS POLYCHLORINATED BIPHENYLS (PCBS), ASBESTOS, LEAD OR UREA FORMALDEHYDE FOAM INSULATION.
31. THE CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES AS TO SIZE, LOCATION, AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY AND ALL CONFLICTS, DEVIATIONS OR OMISSIONS TO THESE CONSTRUCTION DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
32. IF ANY TESTING, INSPECTION OR APPROVAL REVEAL DEFECTIVE WORK, CONTRACTOR SHALL NOT BE ALLOWED TO RECEIVE ANY ASSOCIATED COSTS AND THE OWNER SHALL BE ENTITLED TO DEDUCT FROM THE CONTRACT PRICE, BY ISSUING A CHANGE ORDER, OWNER'S COSTS ARISING OUT OF THE DEFECTIVE WORK, INCLUDING COSTS OF REPEATED PROCEDURES, COMPENSATION FOR ENGINEER'S AND DESIGN ENGINEER'S SERVICES AND ALL OTHER RELATED COSTS.

ADDITIONAL NOTES

1. BEARINGS SHOWN HEREON ARE BASED ON THE EAST LINE OF THE NE 1/4 OF SECTION 2-20-27 AS BEING N01°36'01"E. (AN ASSUMED BEARING FOR ANGULAR DESIGNATION ONLY)
2. SUBJECT PROPERTY SHOWN HEREON IS IN ZONE X, AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AND ZONE A BASE FLOOD ELEVATIONS NOT DETERMINED, ACCORDING TO FLOOD INSURANCE RATE MAP PANEL NUMBER 12095C0050H, MAP REVISED SEPTEMBER 24, 2021. THE ABOVE STATEMENT IS FOR INFORMATION ONLY AND THIS SURVEYOR ASSUMES NO LIABILITY FOR THE CORRECTNESS OF THE CITED MAP(S). IN ADDITION, THE ABOVE STATEMENT DOES NOT REPRESENT THIS SURVEYOR'S OPINION OF THE PROBABILITY OF FLOODING. THE LIMITS OF SAID ZONES ARE GRAPHICALLY DEPICTED HEREON AS NEAR AS MAY BE SCALED FROM SAID MAP.
3. ELEVATIONS SHOWN HEREON ARE BASED ON BENCHMARK NUMBER L708026, ELEVATION BEING 127.94, NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.

HANDICAP ACCESSIBILITY NOTES:

1. ALL CONSTRUCTION MUST MEET OR EXCEED ALL REQUIREMENTS AS OUTLINED IN THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE FLORIDA ACCESSIBILITY CODE, MOST RECENT EDITIONS. BOTTOM OF CURB RAMP ELEVATION (B.O. RAMP) IS RELATIVE TO EACH CURB RAMP CONDITION. ACTUAL ELEVATIONS SHALL BE BASED ON EXISTING GRADE OF CURB FLOW LINE AT THE B.O. RAMPS.
2. TOP OF CURB ELEVATION ADJACENT TO B.O. RAMP = 0.50 FT. MAX. UNLESS OTHERWISE NOTED.
3. ADA REQUIREMENTS SUPERSEDE SPOT GRADES AT LOT LINES. CONTRACTOR TO CUT BACK SLOPE AT 3:1 OR FLATTER AS NEEDED FOR RAMP AND SIDEWALK CONNECTION.
4. REFER TO PLAN SHEETS AND SECTIONS FOR LOCATIONS AND SIDEWALK WIDTHS.
5. THE DETECTABLE WARNING STRIP SHALL CONSIST OF A 24 INCH WIDE TACTILE PATTERN OF RAISED TRUNCATED DOMES (ALIGNED PATTERN). DOMES SHALL HAVE A DIAMETER OF 0.9 INCH, A HEIGHT OF 0.2 INCH, AND A CENTER TO CENTER SPACING OF 2.35 INCHES. THE RAMP DETECTABLE WARNING STRIP SHALL BE CONTRASTING IN COLOR. THE MATERIAL USED TO PROVIDE CONTRAST SHALL CONTRAST BY AT LEAST 70%.
6. THE CROSS SLOPE OF RAMP SURFACES AND ADJACENT STREET GRADES SHALL BE NO MORE THAN 1:50 OR 2% MAXIMUM.
7. CURB RAMPS CONSTRUCTED BY THE CONTRACTOR SHALL MEET ALL CURRENT APPLICABLE A.D.A. REQUIREMENTS AND SHALL HAVE DETECTABLE WARNING COMPLYING WITH A.D.A. REQUIREMENTS. ACCESSIBILITY ROUTES SHALL MEET ALL APPLICABLE A.D.A. REQUIREMENTS.
8. CONTRACTOR TO REFER TO ORANGE COUNTY DETAILS AS NEEDED.
9. DRIVEWAY/ROADWAY CROSS SLOPES AT CROSSWALKS SHALL BE MAXIMUM 2% PER ADA REQUIREMENTS.
10. SIDEWALK CROSS SLOPES SHALL BE MAXIMUM 2% PER ADA REQUIREMENTS.
11. CURB RAMP FLARES & LANDINGS SHALL MEET ADA REQUIREMENTS.
12. ACCESSIBLE ROUTE WITH RUNNING SLOPES GREATER THAN 1:20 IS A RAMP AND SHALL COMPLY WITH ADA RAMP REQUIREMENTS.
13. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO MEET ALL CURRENT ADA STANDARDS. CONTRACTOR SHALL REFER TO FDOT STANDARDS. (INDEX 304, MOST CURRENT EDITION)

RECORD DRAWING AS-BUILT REQUIREMENTS:

AS-BUILT DRAWINGS SHALL BE PREPARED BY AND CERTIFIED (SIGNED AND SEALED) BY A REGISTERED SURVEYOR, AND SHALL BE PROVIDED TO THE ENGINEER OF RECORD UPON COMPLETION OF THE PROJECT SITE IMPROVEMENTS A MINIMUM OF 1 WEEK PRIOR TO CONTRACTORS ATTEMPT FOR FINAL CERTIFICATE OF OCCUPANCY (CO). AS-BUILT DRAWINGS SHALL REFLECT ANY CHANGES TO THE IMPROVEMENTS MADE DURING CONSTRUCTION AND MUST MEET THE MINIMUM REQUIREMENTS OF ALL REGULATORY AGENCIES HAVING JURISDICTION AS WELL AS THE CRITERIA OUTLINED BELOW. BOTH THE ORIGINAL DESIGN AND REVISED AS-BUILT DATA, AS APPLICABLE, MUST BE CLEARLY SHOWN. THE AS-BUILT DRAWINGS MUST BE CLEARLY LABELED AS AS-BUILT OR RECORD DRAWING. THE FOLLOWING INFORMATION, AT A MINIMUM, SHALL BE CERTIFIED ON THE AS-BUILT DRAWINGS:

WATER DISTRIBUTION SYSTEM:

A. LOCATION AND DIMENSIONS OF PIPES, VALVES, FITTINGS, CHANGE OF DIRECTION, AND OTHER ASSOCIATED FACILITIES.

WASTEWATER COLLECTION/TRANSMISSION SYSTEM:

A. LOCATION, DIMENSION, AND INVERT ELEVATIONS OF PIPES, MANHOLES (INCLUDING RIM ELEVATION), LIFTSTATION, FORCEMAIN, FITTINGS, CHANGE IN DIRECTION AND OTHER ASSOCIATED FACILITIES.

PAVING AND DRAINAGE SYSTEM:

A. DIMENSIONS AND ELEVATIONS OF ALL DISCHARGE STRUCTURES INCLUDING ALL WEIRS, SLOTS, GATES, PIPES, AND SKIMMERS;
B. LOCATIONS, DIMENSIONS, AND ELEVATIONS OF ALL FILTER, EXFILTRATION, OR UNDERDRAIN SYSTEMS INCLUDING CLEANOUTS, PIPES, CONNECTIONS TO CONTROL STRUCTURES, AND POINTS OF DISCHARGE TO THE RECEIVING WATERS;
C. DIMENSIONS, ELEVATIONS, CONTOURS, OR CROSS-SECTIONS OF ALL STORMWATER TREATMENT POND STORAGE AREAS SUFFICIENT TO DETERMINE STAGE-STORAGE RELATIONSHIPS OF THE STORAGE AREA, AND THE POND DEPTH AND VOLUME BELOW THE CONTROL WATER ELEVATION FOR NORMALLY WET SYSTEMS;
D. DIMENSIONS, ELEVATIONS, CONTOURS, FINAL GRADES, OR CROSS-SECTIONS OF THE DRAINAGE SYSTEM IMPROVEMENTS TO DETERMINE FLOW DIRECTIONS AND CONVEYANCE OF RUNOFF TO THE TREATMENT SYSTEM;
E. DIMENSIONS, ELEVATIONS, CONTOURS, FINAL GRADES, OR CROSS-SECTIONS OF ALL CONVEYANCE SYSTEMS UTILIZED TO CONVEY OFF-SITE RUNOFF AROUND THE SYSTEM;
F. EXISTING WATER ELEVATION OF SURFACE WATERS AND THE DATE DETERMINED;
G. ELEVATION AND LOCATION OF BENCHMARK'S FOR THE SURVEY.

ADA FACILITIES:

A. ELEVATIONS AT THE FOUR CORNERS OF ALL HANDICAP PARKING SPACES AND ADJACENT LOADING AISLES.
B. ELEVATIONS AND LOCATIONS FOR ALL ACCESSIBLE RAMPS WHICH ADEQUATELY REFLECT THE BUILT SLOPES.
C. ELEVATIONS AND LOCATIONS ALONG THE PATHS OF CONVEYANCE FOR PEDESTRIAN TRAFFIC AND ALL ADA ACCESSIBLE ROUTES EVERY 25 FT. WHICH ADEQUATELY REFLECT THE SLOPE AND CROSS SLOPE.

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REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/20/2026	SJRWMD COMMENTS DATED 04/20/2026	DSS
3	05/05/2026	SJRWMD COMMENTS DATED 05/05/2026	SKS

1828 ENGINEERING
2400 MAITLAND CENTER PKWY, SUITE 107
MAITLAND, FLORIDA 32751
(407) 558-2228
BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

GENERAL NOTES
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/20/2026

SCALE: N.T.S.
PROJECT: PUL-037
SHEET: C1.0

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA 5/12/26 PROFESSIONAL ENGINEER

Items found from seven digitally signed and sealed by Luke A. Classon, PE on the date adjacent to the seals.
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ABBREVIATIONS

A	
A	AREA
AB	ANCHOR BOLT
ABD	ABANDON(ED)
AC	ACRE(S)
AC-FT	ACRE FOOT/FEET
ACP	ASBESTOS CEMENT PIPE
ADDL	ADDITIONAL
ADT	AVERAGE DAILY TRAFFIC
AL	ALUMINUM
ALT	ALTERNATE
AM	BEFORE NOON
AMP	AMPERE(S)
APPROX	APPROXIMATE
ARV	AIR RELEASE VALVE
ARVV	AIR RELEASE VACUUM VALVE
ASPH	ASPHALT
ASSY	ASSEMBLY
AVE	AVENUE
AVG	AVERAGE
AZ	AZIMUTH
B	
BFP	BACKFLOW PREVENTER
BL	BASELINE
BLDG	BUILDING
BLVD	BOULEVARD
BM	BENCH MARK
BND	BOUNDARY
BO	BLOWOFF
BOC	BACK OF CURB
BOT	BOTTOM
BRG	BEARING
BS	BOTTOM OF SLOPE
BV	BUTTERFLY VALVE
C	
CAP	CAPACITY
CB	CATCH BASIN
CC	CENTER TO CENTER
CEM	CEMENT
CF	CUBIC FEET
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
C&G	CURB AND GUTTER
CI	CAST IRON
CIP	CAST IRON PIPE
CJ	CONSTRUCTION JOINT
C/L	CENTER LINE
CLP	CONCRETE LIGHT POLE
CLR	CLEAR/CLEARANCE
CLS	CLASS
CM	CONCRETE MONUMENT
CMP	CORRUGATED METAL PIPE
CMPA	CORRUGATED METAL PIPE ARCH
CND	CONDUIT
CO.	COUNTY
CO	CLEANOUT
COL	COLUMN
COMP	COMPLETE
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCT(ION)
CONT	CONTINUOUS
COORD	COORDINATE(S)
COR	CORNER
CPLG	COUPLING
CPP	CONCRETE POWER POLE
CS	CONTROL STRUCTURE
CTG	COATING
CTR	CENTER
CTV	CABLE TELEVISION
CULV	CULVERT
CY	CUBIC YARD
CYL	CYLINDER
D	
DBL	DOUBLE
DEG OR °	DEGREE
DEFL	DEFLECT(ION)
DEPT	DEPARTMENT
DET	DETAIL
DHWL	DESIGN HIGH WATER LEVEL
DI	DUCTILE IRON
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DISCH	DISCHARGE
DIST	DISTANCE
DMH	DROP MANHOLE
DN	DOWN
DRN	DRAIN
DWG	DRAWING
DWY	DRIVEWAY
E	
E	EAST
EA	EACH
EC	EDGE OF CONCRETE
ED	ENERGY DISSIPATOR
EF	EACH FACE
EFF	EFFLUENT
EG	EXISTING GRADE
E/L	EASEMENT LINE
ELB	ELBOW
ELEC	ELECTRIC
ELEV	ELEVATION
ELLIP	ELLIPSE/ELLIPTICAL
ENC	ENCASEMENT
ENG	ENGINEER(ING)
EOP	EDGE OF PAVEMENT
EQ	EQUAL/EQUATION
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ESMT	EASEMENT
EST	ESTIMATE
EW	EACH WAY
EWL	ENDWALL
EXC	EXCAVATE/EXCAVATION
EXIST	EXISTING
EXP	EXPAND/EXPANSION
EXT	EXTEND/EXTENSION

F	
F&C	FRAME AND COVER
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FF	FINISHED FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
F&I	FURNISH AND INSTALL
FIG	FIGURE
FIN	FINISHED
FIT	FITTING
FL	FENCE LINE
FLR	FLOOR
FLEX	FLEXIBLE
FLG	FLANGE
FM	FORCE MAIN
FND	FOUND
FPH	FEET PER HOUR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET/FOOT
FTG	FOOTING
G	
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GM	GAS MAIN
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GPS	GALLONS PER SECOND
GR	GUARD RAIL
GRD	GROUND/GRADE
GSP	GALVANIZED STEEL PIPE
GV	GATE VALVE
GV&B	GATE VALVE AND BOX
GW	GUY WIRE
GWT	GROUND WATER TABLE
H	
HB	HOSE BIBB
HDW	HARDWARE
HORIZ	HORIZONTAL
HP	HORSEPOWER
HR	HOUR
HT	HEIGHT
HW	HEADWALL
HWL	HIGH WATER LEVEL
HWY	HIGHWAY
HYD	HYDRAULIC
I	
I-4	INTERSTATE HIGHWAY
IA	INTERSECTION ANGLE
ID	INSIDE DIAMETER
IF	INSIDE FACE
IN	INCHES
INL	INLET
INS	INSERT
INST	INSTALL
IP	IRON PIPE
IR	IRON ROD
INT	INTERSECT/INTERSECTION
INV	INVERT
J	
JB	JUNCTION BOX
JCT	JUNCTION
JST	JOIST
JT	JOINT
L	
L	LENGTH
LAT	LATITUDE
LATL	LATERAL
LB	POUND
LF	LINEAR FEET/FOOT
LG	LONG
LIM	LIMIT(S)
LP	LIGHT POLE
LONG	LONG
LT	LEFT
LWL	LOW WATER LEVEL
M	
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
ME	MITERED END
MFR	MANUFACTURER
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MHC	MANHOLE COVER
MHWL	MEAN HIGH WATER LEVEL
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
MLP	METAL LIGHT POLE
MLWL	MEAN LOW WATER LEVEL
MON	MONUMENT
MPH	MILES PER HOUR
MSL	MEAN SEA LEVEL
MTG	MOUNTING
N	
N	NORTH
NA	NOT APPLICABLE
N&C	NAIL AND CAP
NE	NORTHEAST
NG	NATURAL GROUND
NIC	NOT IN CONTRACT
NO OR #	NUMBER
NOM	NOMINAL
NTP	NOTICE TO PROCEED
NTS	NOT TO SCALE
NW	NORTHWEST
NWL	NORMAL WATER LEVEL
O	
OC	ON CENTER
OD	OUTSIDE DIAMETER
OE	OR EQUAL
OPNG	OPENING
OPP	OPPOSITE
ORCP	OVAL REINFORCED CONCRETE PIPE
OS	OUTFALL STRUCTURE
OVFL	OVERFLOW
OVHD	OVERHEAD

P	
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PEP	POLYETHYLENE PIPE
PI	POINT OF INTERSECTION
PIV	POST INDICATOR VALVE
P/L	PROPERTY LINE
POB	POINT OF BEGINNING
POJ	PUSH ON JOINT
POS	POINT OF SERVICE
PP	POWER POLE
PR	PHONE RISER
PRC	POINT OF REVERSE CURVATURE
PRESS	PRESSURE
PROJ	PROJECT
PROP	PROPOSED
PRVC	POINT OF REVERSE VERTICAL CURVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWR	POWER
Q	
Q	FLOW RATE
R	
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
RD	ROAD
RDY	ROADWAY
RED	REDUCER
REF	REFERENCE
REINF	REINFORCE(D)
REQD	REQUIRED
REV	REVISE/REVISION
RPM	REVOLUTIONS PER MINUTE
RR	RAILROAD
RT	RIGHT
RV	RELIEF VALVE
R/W	RIGHT-OF-WAY
RWM	REUSE WATER MAIN
S	
S	SOUTH
SAN	SANITARY SEWER
SB	SPLASH BLOCK
SCH	SCHEDULE
SD	SIDE DRAIN
SDN	SHELF DRAIN
SE	SOUTHEAST
SEC	SECONDS
SECT	SECTION
SH	SHEET
SHGWT	SEASONAL HIGH GROUND WATER TABLE
SIM	SIMILAR
S/L	SETBACK LINE
SL	SLOPE
SM	SHEET METAL
SPEC	SPECIFICATION(S)
SQ	SQUARE
SQ IN	SQUARE INCH(ES)
SQ FT	SQUARE FOOT/FEET
SQ YD	SQUARE YARD(S)
SR	STATE ROAD
SS	STAINLESS STEEL
ST	STREET
STA	STATION
STD	STANDARD
STL	STEEL
STR	STRUCTURE
STS	STORM SEWER
SUP	SUPPORT
SUSP	SUSPEND/SUSPENSION
SVC	SERVICE
SW	SOUTHWEST
SWK	SIDEWALK
SYM	SYMBOL(S)
SYMM	SYMMETRICAL
SYS	SYSTEM
T	
T	TANGENT
TB	TURFBLOCK
T&B	TOP AND BOTTOM
TBM	TEMPORARY BENCH MARK
TC	TIME OF CONCENTRATION
TD	TRENCH DRAIN
TDH	TOTAL DYNAMIC HEAD
TECH	TECHNICIAN/TECHNICAL
TEMP	TEMPORARY
TL	TERMINAL LAMPHOLE
TOB	TOP OF BANK
TOC	TOP OF CURB
TOS	TOE OF SLOPE
TOT	TOTAL
TS	TOP OF SLOPE
TWP	TOWNSHIP
TYP	TYPICAL
U	
UD	UNDERDRAIN
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UTC	UNDERGROUND TELEPHONE CABLE
V	
VB	VALVE BOX
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VPC	VERTICAL POINT OF CURVE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
W	
W	WEST
W/	WITH
WM	WATER MAIN
W/O	WITHOUT
WP	WATER/WEATHER PROOF
WPP	WOOD POWER POLE
WS	WATER SURFACE
WSWT	WET SEASON WATER TABLE
WT	WEIGHT
WV	WATER VALVE
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
Y	
YD	YARD
YR	YEAR
MISC	
&	AND
@	AT
△	DELTA

EXISTING SYMBOLS

LINES

- CENTER LINE
- CHAIN LINK FENCE
- CONTOUR
- EASEMENT
- FENCE
- GUARDRAIL
- EXISTING PLATS
- RETAINING WALL
- RIGHT-OF-WAY LINE
- SHORELINE
- SWALE
- SOIL BOUNDARY

SANITARY SEWER

- SANITARY SEWER LINE
- CLEANOUT
- FORCE MAIN
- MANHOLE

POTABLE WATER

- WATER MAIN
- EXISTING VALVE
- FIRE HYDRANT
- WATER METER

STORM DRAIN

- STORM SEWER
- CURB INLET
- MANHOLE
- MITERED END
- STORM INLET
- SPOT ELEVATION
- FDOT TYPE 1 INLET
- FDOT TYPE 2 INLET
- FDOT TYPE 3 INLET
- FDOT TYPE 4 INLET
- FDOT TYPE 5 INLET
- FDOT TYPE 6 INLET

HIGHWAY & UTILITIES

- BENCHMARK
- BOUND CORNER
- CONCRETE
- COUNTY ROADS
- INTERSTATE ROADS
- LIGHT POLE
- SIGN
- EDGE OF PAVEMENT W/O CURB
- STATE ROADS
- GUY POLE
- UTILITY POLE
- YARD LIGHT
- GAS MAIN
- OVER HEAD WIRE
- ELECTRIC CABLE OR CONDUIT, BURIED
- UNDERGROUND TELEPHONE CABLE
- EDGE OF PAVEMENT W/CURB

PROPOSED SYMBOLS

LINES

- PROPERTY BOUNDARY
- LOT LINE
- CENTER LINE
- EASEMENT
- BUILDING SETBACK LINE
- WETLAND LINE
- WETLAND BUFFER LINE
- FENCE
- SILT FENCE
- GUARDRAIL
- ENTRY WALL
- RETAINING WALL
- SWALE
- CONTOUR

SANITARY SEWER

- SANITARY PIPE
- CLEANOUT
- SINGLE SANITARY SERVICE
- DOUBLE SANITARY SERVICE
- MANHOLE
- FORCE MAIN
- PLUG VALVE

POTABLE WATER

- WATER MAIN
- FIRE MAIN
- SINGLE WATER SERVICE
- DOUBLE WATER SERVICE
- FIRE HYDRANT ASSEMBLY
- FIRE DEPARTMENT CONNECTION
- METER
- SAMPLE POINT

RECLAIMED WATER

- RECLAIMED WATER MAIN
- SINGLE WATER SERVICE
- DOUBLE WATER SERVICE

GENERIC UTILITIES

- 11 1/2° BEND
- 22 1/2° BEND
- 45° BEND
- 90° BEND
- TEE
- CROSS
- GATE VALVE
- REDUCER

STORM

- STORM PIPE
- DRAINAGE FLOW DIRECTION
- FDOT INLET TYPE 1
- FDOT INLET TYPE 2
- FDOT INLET TYPE 3
- FDOT INLET TYPE 4
- FDOT INLET TYPE 5
- FDOT INLET TYPE 6
- MANHOLE
- MITERED END SECTION
- STORM INLET

ROADWAY & GRADING

- CONCRETE
- BLDG OR STRUCTURE
- TYPE F CURB & GUTTER
- RIBBON CURB
- DETAIL REFERENCE
- SPOT ELEVATION
- FINISHED FLOOR ELEVATION W/ FHA LOT TYPE
- HANDICAP PARKING
- INTERSTATE ROADS
- LIGHT POLE
- STATE ROADS
- SIGN
- TRAFFIC FLOW PAVEMENT MARKING
- UTILITY POLE
- CROSS SECTION DETAIL

NOTES:
1. TREE TYPES SHALL BE REFERENCED BY LEGEND ON APPLICABLE DRAWING SHEETS.
2. EXISTING CONSTRUCTION FEATURES MAY BE SCREENED ON DRAWING SHEETS TO PROVIDE CLARITY.

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REV	DATE	DESCRIPTION	BY
05	02/12/2026	CITY OF APOPKA COMMENTS DATED 01/14/2026	SSS
04	03/03/2026	SJRWMD COMMENTS DATED 01/30/2026	SSS
03	03/03/2026	SJRWMD COMMENTS DATED 01/30/2026	SSS

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MAITLAND, FLORIDA 32751
(407) 558-2228

ABBREVIATIONS & SYMBOLS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 2/20/2026

SCALE: N.T.S.
PROJECT: PUL-037
SHEET: C1.1

LUKE CLASSON
LICENSED
No 77066
STATE OF FLORIDA
PROFESSIONAL ENGINEER
5/12/26

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P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\ABBREVIATIONS & SYMBOLS.dwg Modified: 2/20/2026 By:pclarke Plotted By:andrew francis

SURVEYOR'S NOTES:

1. BEARINGS SHOWN HEREON ARE BASED ON THE EAST LINE OF THE NE 1/4 OF SECTION 2-20-27 AS BEING N01°36'01"E. (AN ASSUMED BEARING FOR ANGULAR DESIGNATION ONLY)
2. THIS SURVEY WAS PERFORMED WITH THE BENEFIT OF A COMMITMENT FOR TITLE INSURANCE, PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY, COMMITMENT NUMBER 110199887, EFFECTIVE DATE APRIL 10, 2025 AT 8:00 AM.
3. THE LEGAL DESCRIPTION HEREON IS IN ACCORD WITH THE DESCRIPTION PROVIDED IN TITLE COMMITMENT NO. 110199887.
4. THERE MAY BE EASEMENTS AND RESTRICTIONS OF RECORD AND/OR PRIVATE AGREEMENTS NOT FURNISHED TO THIS SURVEYOR OR SHOWN ON THIS BOUNDARY SURVEY THAT MAY AFFECT PROPERTY RIGHTS AND/OR LAND USE RIGHTS OF THE SUBJECT PROPERTY.
5. THERE MAY BE ENVIRONMENTAL ISSUES AND/OR OTHER MATTERS REGULATED BY VARIOUS DEPARTMENTS OF FEDERAL, STATE OR LOCAL GOVERNMENTS AFFECTING THE SUBJECT PROPERTY NOT SHOWN ON THIS SURVEY.
6. THIS SURVEY WAS PERFORMED FOR THE SOLE AND EXCLUSIVE BENEFIT OF THE ENTITIES LISTED HEREON AND SHALL NOT BE RELIED UPON BY ANY OTHER ENTITY OR INDIVIDUAL WHOMSOEVER.
7. ADJOINING PARCEL OWNER AND RECORDING INFORMATION DELINEATED HEREON WAS OBTAINED FROM THE ORANGE COUNTY PROPERTY APPRAISER'S PUBLIC WEBSITE.
8. THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER OR AN ELECTRONIC SIGNATURE THAT IS IN COMPLIANCE WITH FLORIDA ADMINISTRATIVE CODE 5J-17.062.
9. UNLESS OTHERWISE NOTED OR SHOWN HEREON, APPARENT AND/OR VISIBLE, UNOBSTRUCTED, ABOVE GROUND IMPROVEMENTS WERE LOCATED. UNDERGROUND IMPROVEMENTS, SUCH AS FOUNDATIONS AND UTILITIES, WERE NOT LOCATED, UNLESS NOTED OTHERWISE.
10. UNLESS OTHERWISE NOTED OR SHOWN HEREON, THERE ARE NO APPARENT AND/OR UNOBSTRUCTED, ABOVE GROUND ENCROACHMENTS. THE DISPOSITION OF ANY POTENTIAL ENCROACHING IMPROVEMENTS SHOWN IS BEYOND THE PROFESSIONAL PURVIEW OF THE SURVEYOR AND SUBJECT TO LEGAL INTERPRETATION.
11. SUBJECT PROPERTY SHOWN HEREON IS IN ZONE X, AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AND ZONE A BASE FLOOD ELEVATIONS NOT DETERMINED, ACCORDING TO FLOOD INSURANCE RATE MAP PANEL NUMBER 12095C0050H, MAP REVISED SEPTEMBER 24, 2021. THE ABOVE STATEMENT IS FOR INFORMATION ONLY AND THIS SURVEYOR ASSUMES NO LIABILITY FOR THE CORRECTNESS OF THE CITED MAP(S). IN ADDITION, THE ABOVE STATEMENT DOES NOT REPRESENT THIS SURVEYOR'S OPINION OF THE PROBABILITY OF FLOODING. THE LIMITS OF SAID ZONES ARE GRAPHICALLY DEPICTED HEREON AS NEAR AS MAY BE SCALED FROM SAID MAP.
12. THE ACCURACY OF THE SURVEY MEASUREMENTS USED FOR THIS SURVEY MEETS OR EXCEEDS THE EXPECTED USE OF THE PROPERTY DESCRIBED HEREON; (RURAL) 1 FOOT IN 5,000 FEET.
13. WE HEREBY CERTIFY THAT THE LANDS SHOWN HEREON AND THE ADJACENT PARCELS OF LAND, WHERE THEY SHARE A COMMON BOUNDARY LINE, ARE CONTIGUOUS WITH NO GAPS, GORES, HIATUS, OR OVERLAPS.
14. WE HEREBY CERTIFY THAT THE LANDS SHOWN HEREON AND ONDICH ROAD, A PUBLIC RIGHT OF WAY, WHERE THEY SHARE A COMMON BOUNDARY LINE, ARE CONTIGUOUS WITH NO GAPS, GORES, HIATUS, OR OVERLAPS.
15. WE HEREBY CERTIFY THAT PARCELS 1, 2, 3, 4, AND 5 DESCRIBE ONE AND THE SAME PROPERTY AS DEPICTED HEREON AND IN SCHEDULE A OF THE TITLE COMMITMENT WITH NO GAPS, GORES, HIATUS, OR OVERLAPS.
16. ELEVATIONS SHOWN HEREON ARE BASED ON BENCHMARK NUMBER L708026, ELEVATION BEING 127.94, NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.
17. PARCELS 1, 2, 3, 4 AND 5 ARE CONTIGUOUS ALONG THEIR COMMON BOUNDARIES WITH NO GAPS, GORES, OVERLAPS OR HIATUS.

N
W E
S

GRAPHIC SCALE

200 0 100 200 400

(IN FEET)
1 inch = 200 ft.

EXISTING CONDITION PLAN BASED ON SURVEY PROVIDED BY:

ALLEN & COMPANY PROFESSIONAL SURVEYORS AND MAPPERS
JAMES L. RICKMAN, PSM #5633
DATE OF FIELD SURVEY: 02/02/24

LEGEND OF SYMBOLS AND ABBREVIATIONS:

ORB.	OFFICIAL RECORDS BOOK
P.B.	PLAT BOOK
PG.(S)	PAGE(S)
LB	LICENSED BUSINESS
P.S.M.	PROFESSIONAL SURVEYOR AND MAPPER
ID	IDENTIFICATION
CCR	CERTIFIED CORNER RECORD
R/W	RIGHT OF WAY
R	RADIUS
CB	CHORD BEARING
CD	CHORD DISTANCE
Δ	DELTA/CENTRAL ANGLE
L	ARC LENGTH
(D)	DESCRIBED
(M)	MEASURED
	METAL POWER POLE
	WOODEN POWER POLE
	GUY WIRE
	FLAG POLE
	FENCE GATE
	FOUND CONCRETE MONUMENT AS NOTED
	FOUND IRON ROD OR PIPE AS NOTED
	SET 1/2" IRON ROD AND CAP OR NAIL & DISK LB#6723
	FENCE LINE, AS NOTED
	OVERHEAD ELECTRIC LINE
	EASEMENTS AREAS
F.T.	FENCE TIE
	SOIL BORING (BORING NOT FOUND, ELEVATION TAKEN AT PROVIDED COORDINATES)
	SOIL BORING

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REV.	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/07/2026	S.WMD COMMENTS DATED 04/07/2026	DSS
3	05/07/2026	S.WMD COMMENTS DATED 05/07/2026	SCS

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BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

OVERALL EXISTING CONDITIONS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/18/2026

SCALE: 1" = 200'
PROJECT: PUL-037
SHEET: C1.2

LAKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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DIRT TRAIL

REMAINS OF FENCE

S89°55'11"E 1322.14

NORTH LINE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 SECTION 2-20-27

REMAINS OF FENCE

SITE BENCHMARK P-17 SET 1/2" IRON ROD WITH CAP LB6627 EL=165.72'

BORE P-21 UES 25' ELEVATION=168.50'

BORE P-20 UES 25' ELEVATION=168.27'

BORE P-19 UES 25' ELEVATION=167.63'

BORE P-17 UES 25' ELEVATION=167.35'

BORE P-18 UES 25' ELEVATION=168.80'

SECTION 2-20-27

SECTION 1-20-27

EAST LINE OF THE SE 1/4 OF THE NE 1/4 OF SECTION 2-20-27

WEST LINE OF THE SECTION 1-20-27

(BASIS OF BEARINGS)

PARCEL 2

WOODED AREA

SE 1/4 OF THE NE 1/4
SECTION 2-20-27
ADDRESS NOT AVAILABLE

BORE B-1 UES 20' ELEVATION=174.44'

20.00' DISTRIBUTION EASEMENT ORB. 3832, PG. 429

SHEET C1.3

SHEET C1.4

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N

W E

S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

EXISTING CONDITION PLAN BASED ON SURVEY PROVIDED BY:

ALLEN & COMPANY PROFESSIONAL SURVEYORS AND MAPPERS
JAMES L. RICKMAN, PSM #5633
DATE OF FIELD SURVEY: 02/02/24

KEY MAP

REV.	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/07/2026	SJRWMD COMMENTS DATED 04/07/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

EXISTING CONDITIONS
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L. CLASSON
DATE: 3/18/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C1.3

LAKE CLASSON LICENSED PROFESSIONAL ENGINEER No 77066 STATE OF FLORIDA 5/12/26

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SHEET C1.3

SHEET C1.4

SHEET C1.4

SHEET C1.5

N

W E

S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

EXISTING CONDITION PLAN BASED ON SURVEY PROVIDED BY:

ALLEN & COMPANY PROFESSIONAL SURVEYORS AND MAPPERS
JAMES L. RICKMAN, PSM #5633
DATE OF FIELD SURVEY: 02/02/24

KEY MAP

REV.	DATE	DESCRIPTION	BY
6	05/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
5	04/30/2026	SJRWMD COMMENTS DATED 04/30/2026	DSS
4	03/02/2026	SJRWMD COMMENTS DATED 02/02/2026	SKS

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BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

EXISTING CONDITIONS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/18/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C1.4

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER
5/12/26

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N

W E

S

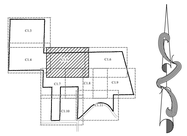
GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

EXISTING CONDITION PLAN BASED ON SURVEY PROVIDED BY:

ALLEN & COMPANY PROFESSIONAL SURVEYORS AND MAPPERS
JAMES L. RICKMAN, PSM #5633
DATE OF FIELD SURVEY: 02/02/24



KEY MAP

SCRIBED AS
–27
3
TION 1–20–27

PARCEL ID: 01–20–27–0000–00–003
CENTRAL FLORIDA EXPRESSWAY
AUTHORITY
NOT PLATTED

N88°56'18"E 1006.03'(M)
N88°56'18"E 2684.78'(D)

N88°56'20"E 2684.78'(D)

NORTH LINE OF THE SOUTH 1/2
OF SECTION 1–20–27

NER OF THE SW 1/4 OF
1–20–27
1–1/2" IRON PIPE, NO ID
1219

/2" IRON ROD
P STAMPED
WITNESS"
0.86'

ST LINE OF THE NW
E OF THE SW 1/4
SECTION 1–20–27

ANT OF EASEMENT
2, PG. 3281

SHEET C1.4
SHEET C1.5

SHEET C1.5
SHEET C1.6

SHEET C1.5
SHEET C1.7

SHEET C1.5
SHEET C1.8

SHEET C1.7

SHEET C1.8

BORE P-01 UES 25'
ELEVATION=162.65'
P-01

900000429
P-02
BORE P-02 UES 25'
ELEVATION=165.27'

900000472
R-26
BORE R-26
ELEVATION=161.06'

DIRT TRAIL

900000243 BORE P-03 UES 25'
P-03 ELEVATION=165.84'

74477
168.38'
BOREHOLE P-25 3000003

BORE R-27 UES 10'
ELEVATION=163.42'

900000426
K-01

900000473
R-27

BORE K-01 UES 10'
ELEVATION=161.26'

PARCEL 3
WOODED AREA
NO ADDRESS AVAILA

BORE R-29
ELEVATION=171.76'

900000475
B-29

900000474
B-28

BORE R-28
ELEVATION=167.49'

BORE B-09 UES 20'
ELEVATION=162.70'

900000408
B-09

900000420
B-21

BORE B-21
ELEVATION=167.11'

BORE R-31
ELEVATION=166.57'

900000421
HA-01

BORE HA-01 NOT FOUND
ELEVATION=165.92'

74478
164.77'
BOREHOLE P-26 3000004

900000422
HA-02

BORE HA-02 NOT FOUND
ELEVATION=164.35'

900000476

900000409
B-10

30 NOT FOUND
EVATION=171.65'

08
VATION=171.50'

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REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/07/2026	S.JIMINO COMMENTS DATED 04/07/2026	DSS
3	05/07/2026	S.JIMINO COMMENTS DATED 05/07/2026	SCS

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BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

EXISTING CONDITIONS
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/18/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C1.5

LUKE CLASSON
LICENSED
No 77066
STATE OF FLORIDA
PROFESSIONAL ENGINEER
5/12/26

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NORTH LINE OF SW 1/4 OF SECTION 1-20-27

NE CORNER OF THE SW 1/4 OF SECTION 1-20-27
FOUND 5/8" IRON ROD WITH CAP STAMPED "LB 7448" 0.22' N

N88°56'18"E 321.28' (M)
N88°56'20"E 321.24'(D)

NORTH LINE OF THE SOUTHEAST 1/4 OF SECTION 1-20-27

SOUTH 1/2
1-20-27

(D)

903

PARCEL 3
WOODED AREA
ADDRESS AVAILABLE

DIRT TRAIL

WESTERLY LIMITED ACCESS R/W LINE

BORE B-11
ELEVATION=156.41'
900000410
B-11

BORE R-23
ELEVATION=160.34'
900000469
R-23

BORE P-07 UES 25'
ELEVATION=154.36'

BORE P-04 UES 25'
ELEVATION=152.14'
900000431
P-04

50102'
154.91'
BORE P-29

BORE R-40
ELEVATION=157.69'
900000484
R-40

BORE R-22 NOT FOUND
ELEVATION=159.35'
900000468
R-22

74479
162.60'
BORE P-27 (DNF) 3000005

900000471
R-25

BORE R-12
ELEVATION=160.63'
900000411
R-12

BORE HA-03 NOT FOUND
ELEVATION=155.71'
900000423
HA-03

74482
159.83'
BORE P-30 3000008

900000482
R-38

BORE R-38 NOT FOUND
ELEVATION=158.37'

BORE R-16 NOT FOUND
ELEVATION=163.79'
900000463
R-16

BORE R-24
ELEVATION=163.02'
900000472
R-26

74483
159.63'
BORE P-31 3000009

BORE R-39 NOT FOUND
ELEVATION=160.73'

BORE P-06 UES 25'
ELEVATION=157.41'
900000433
P-07

SHEET C1.5
SHEET C1.6
SHEET C1.6
SHEET C1.8
SHEET C1.6
SHEET C1.9
SHEET C1.8
SHEET C1.9

KEY MAP

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

EXISTING CONDITION PLAN BASED ON SURVEY PROVIDED BY:

ALLEN & COMPANY PROFESSIONAL SURVEYORS AND MAPPERS
JAMES L. RICKMAN, PSM #5633
DATE OF FIELD SURVEY: 02/02/24

REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
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3	05/07/2026	S.JIMENO COMMENTS DATED 05/07/2026	SKS

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(407) 558-2228
BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

EXISTING CONDITIONS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/18/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C1.6

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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SHEET C1.4
SHEET C1.7

SHEET C1.5
SHEET C1.7

SHEET C1.7

SHEET C1.5
SHEET C1.8

SHEET C1.8

SHEET C1.7
SHEET C1.10

SHEET C1.8
SHEET C1.10

WITHCAP STAMPED "LB7064 WITNESS" 0.37' W, 0.86' F.T.

WEST LINE OF THE NW 1/4 OF THE SW 1/4 OF SECTION 1-20-27

20.00' GRANT OF EASEMENT ORB. 5142, PG. 328

6' WOOD FENCE

F.T.

6' WOOD FENCE

GRAVEL DRIVE (APU)

6' WOOD FENCE

ASPHALT DRIVE

SW CORNER OF THE N 1/2 OF THE SW 1/4 OF SECTION 1-20-27

S89°07'52"W 338.14'(D)

FOUND 1" IRON PIPE, NO ID 0.29' W, 0.39' N

PARCEL ID: 01-20-27-0000-00-037 MERIDITH AMBER LEE

DUKE DISTRIBUTION EASEMENT ORB. 3124, PG. 2784

FOUND 1" IRON PIPE, NO ID N.16' E, 1.04' N

DIRT TRAIL

F.T. 4' BARBED WIRE FENCE

4' CHAIN LINK FENCE

4' WIRE FENCE

330.00'

21.6'

NE CORNER OF THE WEST 330.00' OF THE E 1/2 OF THE SW 1/4 OF THE SW 1/4 OF SECTION 1-20-27

EAST LINE OF THE WEST 330.00' OF THE E 1/2 OF THE SW 1/4 OF THE SW 1/4 OF SECTION 1-20-27

NORTH LINE OF THE SW 1/4 OF THE SW 1/4 OF SECTION 1-20-27

NE CORNER OF SW 1/4 OF SW 1/4 OF SECTION 1-20-27 FOUND 5/8" IRON ROD WITH CAP STAMPED "PSM5344"

FOUND 1" IRON NO ID 6.69' E, 0.52'

BORE R-01 ELEVATION=168.55'
BORE R-02 NOT FOUND ELEVATION=171.65'
BORE R-03 ELEVATION=167.40'
BORE R-04 ELEVATION=167.40'
BORE R-05 ELEVATION=167.50'
BORE R-06 ELEVATION=167.50'
BORE R-07 ELEVATION=166.75'
BORE R-08 ELEVATION=166.19'
BORE R-09 NOT FOUND ELEVATION=162.86'
BORE B-10 ELEVATION=166.04'
BORE B-15 NOT FOUND ELEVATION=161.86'
BORE B-18 ELEVATION=166.17'
BORE B-19 NOT FOUND ELEVATION=166.39'
BORE B-21 ELEVATION=167.11'
BORE R-31 ELEVATION=166.57'
BORE HA-01 NOT FOUND ELEVATION=165.92'
BOREHOLE P-26 3002004

N
W E
S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

EXISTING CONDITION PLAN BASED ON SURVEY PROVIDED BY:

ALLEN & COMPANY PROFESSIONAL SURVEYORS AND MAPPERS
JAMES L. RICKMAN, PSM #5633
DATE OF FIELD SURVEY: 02/02/24

KEY MAP

REV.	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/07/2026	S.SIRRA COMMENTS DATED 04/07/2026	DSS
3	05/07/2026	S.SIRRA COMMENTS DATED 05/07/2026	SKS

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BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

EXISTING CONDITIONS
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/18/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C1.7

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\EXISTING CONDITIONS.dwg Modified:4/7/2026 By:osanchez Plotted By:andrew francis

WOODED AREA
NO ADDRESS AVAILABLE

SHEET C1.5
SHEET C1.7

SHEET C1.7
SHEET C1.8

SHEET C1.5
SHEET C1.8

SHEET C1.6
SHEET C1.8

SHEET C1.8
SHEET C1.9

SHEET C1.6
SHEET C1.9

DIRT TRAIL

BORE R-31
ELEVATION=166.57'

900000408
B-09

900000421
HA-01

BORE HA-01 NOT FOUND
ELEVATION=165.92'

74478
164.77'
BOREHOLE P-26 3002004

900000422
HA-02

BORE HA-02 NOT FOUND
ELEVATION=164.35'

BORE R-16 NOT FOUND
ELEVATION=163.79'

900000463
R-16

BORE R-24
ELEVATION=163.03'

900000409
B-10

BORE R-08
ELEVATION=166.19'

900000407
B-08

BORE B-18
ELEVATION=166.17'

THE
E THE E
1/4 OF
SECTION

NORTH LINE OF THE SW
1/4 OF THE SW 1/4 OF
SECTION 1-20-27

FOUND 1" IRON PIPE
NO ID
6.69' E 0.52' N

S89°07'52"W 2036.77'(D)

S89°07'56"W 2028.87'(M)

NE CORNER OF SW 1/4
OF SW 1/4 OF SECTION
1-20-27
FOUND 5/8" IRON ROD
WITH CAP STAMPED
"PSM5344"

BORE B-15 NOT FOUND
ELEVATION=161.96'

900000414
B-15

THE WEST
E E 1/2
/4 OF THE
CTION

SOUTH LINE OF THE N
1/2 OF THE SW 1/4 OF
SECTION 1-20-27

BORE B-14 NOT FOUND
ELEVATION=165.30'

900000413
B-14

1803
164.24'
3644

BORE HA-05 NOT FOUND
ELEVATION=166.15'

900000425
HA-05

900000412
B-13

BORE B-13 NOT FOUND
ELEVATION=165.24'

SHEET C1.8
SHEET C1.11

SHEET C1.9
SHEET C1.11

SHEET C1.8
SHEET C1.9

PARCEL 1
WOOD

900000461
R-14

BORE R-14 UES 10'
ELEVATION=164.70'

900000462
R-15

PORTION OF SE 1/4 OF
THE SW 1/4 OF THE
SECTION 1-20-27
3658 ONDICH ROAD

BORE R-15 UES 10'
ELEVATION=164.39'

BORE R-12 NOT FOUND
ELEVATION=165.14'

900000459
R-12

FOUND

BORE R-10 UES 10'
ELEVATION=164.57'

900000457
R-10

900000458
R-11

BORE R-18 NOT FOUND
ELEVATION=165.53'

900000465
R-18

SHEET C1.7
SHEET C1.10

SHEET C1.8
SHEET C1.10

N
W E
S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

EXISTING CONDITION PLAN BASED ON SURVEY PROVIDED BY:

ALLEN & COMPANY PROFESSIONAL SURVEYORS AND MAPPERS
JAMES L. RICKMAN, PSM #5633
DATE OF FIELD SURVEY: 02/02/24

KEY MAP

REV.	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/07/2026	SJRWMD COMMENTS DATED 04/07/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

EXISTING CONDITIONS CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/18/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C1.8

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LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER
5/12/26

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SHEET C1.6
SHEET C1.9

SHEET C1.8
SHEET C1.9

SHEET C1.9
SHEET C1.11

SHEET C1.8
SHEET C1.9

DIRT TRAIL

SOUTH LINE OF THE N 1/2 OF THE SW 1/4 OF SECTION 1-20-27

SE CORNER OF THE N 1/2 OF THE SW 1/4 OF SECTION 1-20-27

WESTERLY LIMITED ACCESS R/W LINE

1206.74'(D)

(D)
R=22824.00'
CB=S14°51'56"E
CD=155.00'
Δ=00°23'21"
L=155.00'

S89°08'51"W 688.30'(D)
S89°08'48"W 688.31'(M)

SOUTH LINE OF THE NW 1/4 OF THE SE 1/4 OF SECTION 1-20-27

PORTION OF N 1/4 OF THE SW 1/4 OF THE SE 1/4 OF SECTION 1-20-27 PARCEL 1

FOUND 4"X4" CONCRETE MONUMENT, NO ID

P.C.C. 0.7' F.T.

F.T. 0.3'

P.O.N.T.

BORE HA-03 NOT FOUND ELEVATION=155.71'
BORE R-38 NOT FOUND ELEVATION=158.37'
BORE R-39 NOT FOUND ELEVATION=160.73'
BORE P-06 UES 25' ELEVATION=157.41'
BORE HA-04 NOT FOUND ELEVATION=162.13'
BORE R-20 NOT FOUND ELEVATION=163.70'
BORE HA-05 NOT FOUND ELEVATION=166.15'
BORE B-05 NOT FOUND ELEVATION=163.47'
BORE B-13 NOT FOUND ELEVATION=165.24'
BORE P-09 UES 25' ELEVATION=160.40'
BORE B-05 UES 20' ELEVATION=163.53'
BORE R-12 NOT FOUND ELEVATION=165.14'
BORE B-13 NOT FOUND ELEVATION=165.06'
BORE B-14 NOT FOUND ELEVATION=165.30'
BORE R-18 NOT FOUND ELEVATION=165.53'
BORE P-08 UES 25' ELEVATION=154.74'
BORE P-10 UES 25' ELEVATION=154.91'

74483 459.83' BOREHOLE P-30 3000008
74483 158.63' BOREHOLE P-31 3000009

900000423 HA-03
900000482 R-38
900000483 R-39
900000424 HA-04
900000458 R-11
900000467 R-20
900000425 HA-05
900000412 R-13
900000414 B-05
900000459 R-12
900000466
900000413 B-14
900000465 R-18
900000435 P-09
900000434 P-08
900000436 P-10
900000437 281.55' 6FT CLF
900000438 281.33' 6FT CLF

N
S
E
W

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

EXISTING CONDITION PLAN BASED ON SURVEY PROVIDED BY:

ALLEN & COMPANY PROFESSIONAL SURVEYORS AND MAPPERS
JAMES L. RICKMAN, PSM #5633
DATE OF FIELD SURVEY: 02/02/24

KEY MAP

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(407) 558-2228
BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

EXISTING CONDITIONS CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN:	DESIGNED:	CHECKED:	DATE:
L. GRAHAM	S. SIERRA-GIL	L.CLASSON	3/18/2026

SCALE:	PROJECT	SHEET
1" = 50'	PUL-037	C1.9

LUKE CLASSON LICENSED PROFESSIONAL ENGINEER No 77066 STATE OF FLORIDA 5/12/26

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N

W E

S

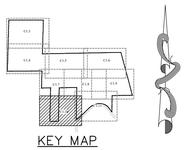
GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

EXISTING CONDITION PLAN BASED ON SURVEY PROVIDED BY:

ALLEN & COMPANY PROFESSIONAL SURVEYORS AND MAPPERS
JAMES L. RICKMAN, PSM #5633
DATE OF FIELD SURVEY: 02/02/24



KEY MAP

SHEET C1.7
SHEET C1.10

SHEET C1.8
SHEET C1.10

SHEET C1.10
SHEET C1.11

SHEET C1.10
SHEET C1.12

ONDICH SOUTH
(CITY OF APOPKA PROJECT CSP-25-15)
(ORANGE COUNTY E-PERMIT 25-E-058)

REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 01/14/2026	DSS
2	04/30/2026	SJRWMD COMMENTS DATED 04/30/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN:	DESIGNED:	CHECKED:	DATE:
L. GRAHAM	S. SIERRA-GIL	L.CLASSON	3/18/2026

SCALE	PROJECT	SHEET
1" = 50'	PUL-037	C1.10

LUKE CLASSON
LICENSE
No 77066
STATE OF FLORIDA
5/12/26
PROFESSIONAL ENGINEER

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N

W E

S

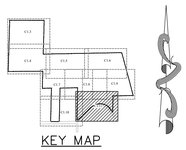
GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

EXISTING CONDITION PLAN BASED ON SURVEY PROVIDED BY:

ALLEN & COMPANY PROFESSIONAL SURVEYORS AND MAPPERS
JAMES L. RICKMAN, PSM #5633
DATE OF FIELD SURVEY: 02/02/24



KEY MAP

SHEET C1.8
SHEET C1.11

SHEET C1.8
SHEET C1.9

SHEET C1.9
SHEET C1.11

SHEET C1.10
SHEET C1.11

PARCEL 1

PORTION OF SE 1/4 OF THE SW 1/4 OF THE SECTION 1-20-27
3658 ONDICH ROAD

FOUND 4"X4" CONCRETE MONUMENT, NO ID

FOUND 6"X6" CONCRETE MONUMENT, BROKEN NO ID 0.38' E

WEST LINE OF SECTION 1-

S00°35'39"W 640.68'

N34°06'09"W 165.53'

S45°27'00"W 490.42'

FOUND 1/2" IRON ROD WITH ILLEGIBLE CAP

FOUND 6"X6" CONCRETE MONUMENT, BROKEN NO ID

FLORIDA POWER AND LIGHT EASEMENT ORB. 3750, PG. 1202

NORTH R/W LINE AS OCCUPIED AND MONUMENTED

ONDICH ROAD
33.00' 1/2 RIGHT OF WAY
WIDTH PER PLAT BOOK X, PAGE 7, 66.00' RIGHT OF WAY WIDTH AS MONUMENTED

R=580.07'
CB=S66°49'56"W
CD=437.51'
Δ=44°18'40"
L=448.61'

R=445.98'
CB=N62°24'30"W
CD=427.03'
Δ=57°12'27"
L=445.29'

R=645.92'
CB=S52°52'01"W
CD=178.04'
Δ=15°50'35"
L=178.61'

DIRT TRAIL

ASPHALT

CONCRETE DRIVE

DIRT DRIVE

EDGE OF PAVEMENT

6' WOOD PRIVACY FENCE

ASPHALT DRIVE

ZONE A

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REV.	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 02/12/2026	DSS
2	04/07/2026	S.JIMMO COMMENTS DATED 04/07/2026	DSS
3	05/07/2026	S.JIMMO COMMENTS DATED 05/07/2026	SCS

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EXISTING CONDITIONS
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/18/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C1.11

LUKE CLASSON
LICENSE
No 77066
STATE OF FLORIDA
PROFESSIONAL ENGINEER
5/12/26

The seal appearing on this document was authorized by Luke Classson, PE on the date adjacent to the seal.
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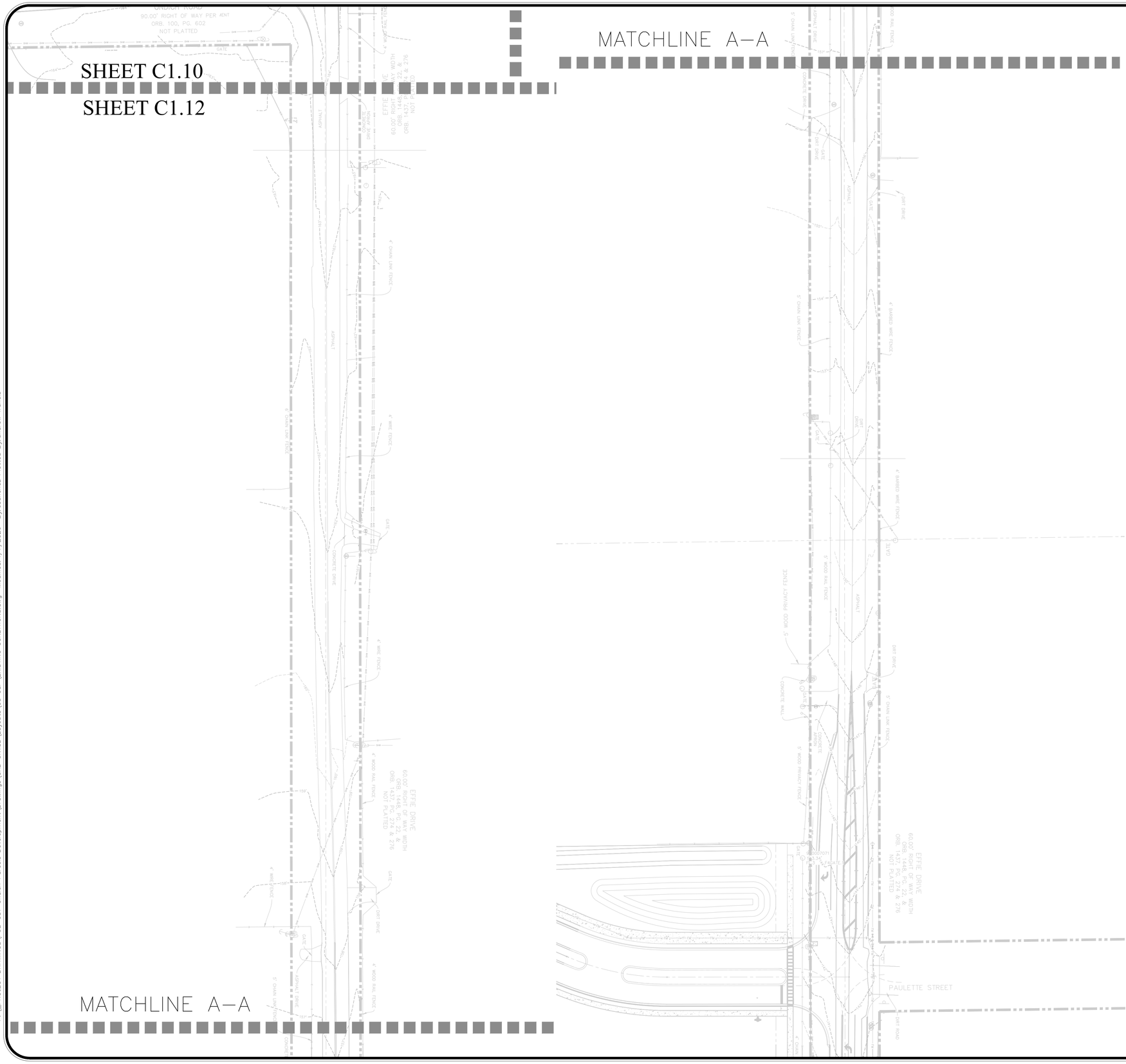


N
W E
S

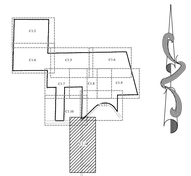
GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

EXISTING CONDITION PLAN BASED ON SURVEY PROVIDED BY:

ALLEN & COMPANY PROFESSIONAL SURVEYORS AND MAPPERS
JAMES L. RICKMAN, PSM #5633
DATE OF FIELD SURVEY: 02/02/24



KEY MAP

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2	04/30/2026	S.JURMO COMMENTS DATED 04/30/2026	DSS
3	05/07/2026	S.JURMO COMMENTS DATED 05/07/2026	SKS

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EXISTING CONDITIONS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN:	DESIGNED:	CHECKED:	DATE:
L. GRAHAM	S. SIERRA-GIL	L.CLASSON	3/18/2026

SCALE:	PROJECT	SHEET
1" = 40'	PUL-037	C1.12

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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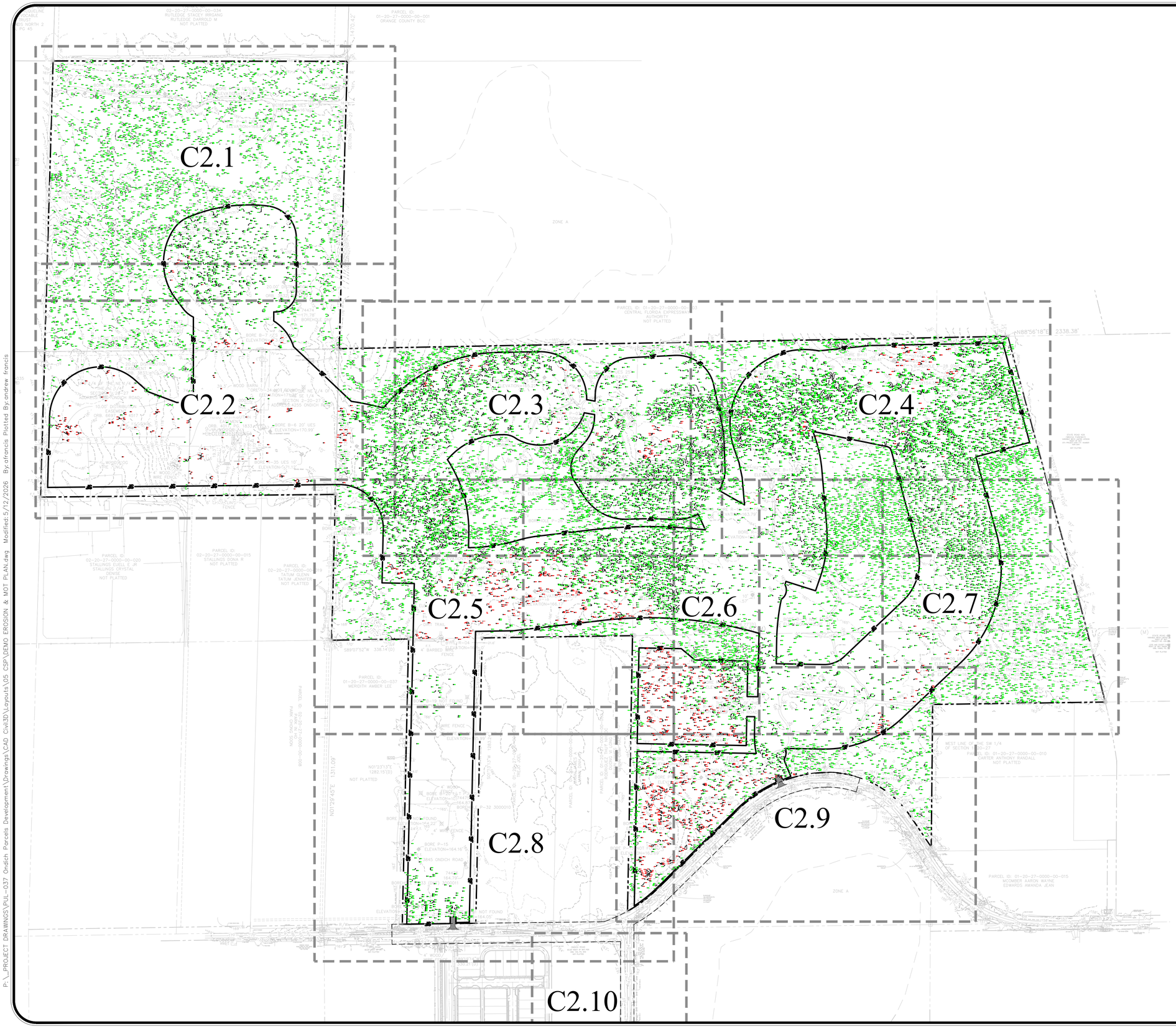

N

W E

S

GRAPHIC SCALE

200 0 100 200 400

(IN FEET)

1 inch = 200 ft.

EROSION CONTROL NOTES:

AN EROSION CONTROL AGENDA SHALL BE PREPARED BY THE CONTRACTOR. CONTRACTOR SHALL EXECUTE ALL MEASURES NECESSARY TO LIMIT THE TRANSPORT OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT TO THE VOLUME AND AMOUNT THAT ARE EXISTING PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THIS CONDITION WILL BE SATISFIED FOR THE TOTAL ANTICIPATED CONSTRUCTION PERIOD. PROVISION MUST BE MADE TO PRESERVE THE INTEGRITY AND CAPACITY OF CHECK WERS, SEDIMENT BASINS, SLOPE DRAINS, GRADING PATTERNS, ETC. REQUIRED TO MEET THIS PROVISION THROUGHOUT THE LIFE OF THE CONSTRUCTION. CONTRACTOR SHALL PROVIDE SYNTHETIC BALES, SILT BARRIERS, TEMPORARY GRASSING, ETC. AS REQUIRES TO FULLY COMPLY WITH THE INTENT OF THIS SPECIFICATION.

1. STOCKPILING MATERIAL:
NO EXCAVATED MATERIAL SHALL BE STOCKED PILED IN SUCH MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY.
2. EXPOSED AREA LIMITATION:
THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL NOT EXCEED 5 ACRES SO LONG AS THIS OPERATION WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENT.
3. INLET PROTECTION:
INLETS AND CATCH BASINS SHALL BE PROTECTED FROM SEDIMENT LADEN STORM RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.
4. TEMPORARY SEEDING:
AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN SEVEN DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED, AND WILL NOT LATER COMPETE WITH THE PERMANENT GRASSING. THE RATE OF SEEDING SHALL BE 30 LBS. PER ACRE.
5. TEMPORARY SEEDING AND MULCHING:
SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN 4 ABOVE, SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA TO A DEPTH OF FOUR INCHES.
6. TEMPORARY GRASSING:
THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERS AS REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER.
7. TEMPORARY REGRASSING:
IF, AFTER FOURTEEN DAYS, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75% GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATION COVER.
8. MAINTENANCE:
ALL FEATURES OF THE PROJECT SHALL BE CONSTRUCTED TO PREVENT EROSION AND SEDIMENT AND SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION PROPERLY WITHOUT THE TRANSPORT OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT.
9. DUST ABATEMENT:
DUST SHALL BE CONTROLLED WITH USE OF WATER AND CALCIUM CHLORIDE.
10. SODDING OF RETENTION POND AND CONVEYANCE SWALE SIDE SLOPES SHOULD BE ACCOMPLISHED AS SOON AS POSSIBLE FOLLOWING COMPLETION OF GRADING TO MINIMIZE EROSION POTENTIAL.
11. AT A MINIMUM, THE RETENTION/DETENTION STORAGE AREA MUST BE EXCAVATED TO ROUGH GRADE PRIOR TO BUILDING CONSTRUCTION OR PLACEMENT OF IMPERVIOUS SURFACE WITHIN THE AREA TO BE SERVED BY THOSE FACILITIES. TO PREVENT REDUCTION IN STORAGE VOLUME AND PERCOLATION RATES, ALL ACCUMULATED SEDIMENT MUST BE REMOVED FOR THE STORAGE AREA PRIOR TO FINAL GRADING AND STABILIZATION.
12. AT A MINIMUM SILT BARRIERS SHALL BE PLACED AS SHOWN ON SHEET C2.1 AND C2.2 OF THE CONSTRUCTION PLANS TO INSURE AGAINST POLLUTING, SILTING OR DISTURBING TO SUCH AN EXTENT AS TO CAUSE AN INCREASE IN TURBIDITY TO THE EXISTING WETLAND. IF DURING CONSTRUCTION THE PROPOSED EROSION CONTROL SYSTEM DOES NOT PERFORM SATISFACTORY, ALTERNATIVES AND ADDITIONAL MEASURES SHALL BE IMPLEMENTED BY THE CONTRACTOR IN ORDER TO COMPLY WITH ORANGE COUNTY AND S.J.R.W.M.D EROSION PROTECTION STANDARDS.
13. CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL EROSION PROTECTION COSTS, INCLUDING ANY COSTS ASSOCIATED WITH COMPLIANCE ISSUES AND ENFORCEMENT ACTIONS.
14. ANY EXISTING WELLS ON SITE MUST BE ABANDONED/CAPPED AS PER SJRWMD AND FDEP PROCEDURES.
15. CONTRACTOR TO COORDINATE WITH ORANGE COUNTY HEALTH DEPARTMENT AND/OR FDEP TO OBTAIN ANY NECESSARY PERMITS TO REMOVE ANY EXISTING SEPTIC TANK'S AND/OR DRAINFIELDS.
16. REFER TO ORANGE COUNTY RIGHT-OF-WAY IMPROVEMENTS PERMIT PLANS FOR OFFSITE EROSION CONTROL, MAINTENANCE OF TRAFFIC AND DEMO PLANS.
17. CONTRACTOR TO VIDEO OR OTHERWISE DOCUMENT THE EXISTING CONDITION OF THE RIGHT-OF-WAY AND ADJACENT PARCELS.
18. ALL ONSITE SOILS EXPOSED DURING SITE ALTERATION SHALL BE STABILIZED.
19. ALL RUNOFF AND SILTATION SHALL BE DIRECTED TO TEMPORARY SEDIMENT BASIN AND/OR SEDIMENT TRAPS IN SUCH A MANNER AS TO PREVENT OFF-SITE IMPACTS.
20. A RIGHT-OF-WAY (ROW) PERMIT AND A MAINTENANCE OF TRAFFIC (MOT) PERMIT MUST BE APPLIED FOR BEFORE THE PRE-CONSTRUCTION MEETING.
21. A DETAILED TEMPORARY TRAFFIC CONTROL PLAN, INCLUDING PEDESTRIAN ACCOMODATION, MUST BE SUBMITTED AT THE MOT PERMIT.
22. A LANE CLOSURE OPERATIONAL ANALYSIS PER FDOT IS REQUIRED TO CONSIDER DAYTIME OPERATONS.

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REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/30/2026	SJRWMD COMMENTS DATED 04/30/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SGS

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OVERALL DEMO, EROSION & M.O.T. PLAN

CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/12/2026

SCALE: 1" = 200'
PROJECT: PUL-037
SHEET: C2.0

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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EXISTING TREE TO REMAIN (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200–LP208 FOR MORE DETAIL

EXISTING TREE TO BE REMOVED (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200–LP208 FOR MORE DETAIL

14,572 LF SILT FENCE (1 / 22.11)

SHEET C2.1

SHEET C2,2

N

W E

S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

KEY MAP

REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 01/14/2026	DSS
2	04/30/2026	S.RINKO COMMENTS DATED 03/30/2026	DSS
3	05/07/2026	S.RINKO COMMENTS DATED 05/07/2026	SKS

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DEMO, EROSION & M.O.T. PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/12/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C2.1

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LUKE CLASSON LICENSED PROFESSIONAL ENGINEER No 77066 STATE OF FLORIDA 5/12/26

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SHEET C2.1

SHEET C2.2

SHEET C2.3

EXISTING TREE TO REMAIN (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200–LP208 FOR MORE DETAIL

CONTRACTOR TO COORDINATE WITH UTILITY PROVIDER ON RELOCATION/REMOVAL OF EXISTING POWER POLES AND UTILITY LINES

14,572 LF SILT FENCE (1 / C2.11)

EXISTING TREE TO BE REMOVED (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200–LP208 FOR MORE DETAIL

CONTRACTOR TO ABANDON/CAP WELLS PER SJRWMD AND FDEP REGULATIONS

CONTRACTOR TO DEMO ALL EXISTING STRUCTURES AND CONCRETE FLATWORK ONSITE

DEMO ALL EXISTING FENCING ON SITE

DEMO EXISTING GRAVEL ROAD

14,572 LF SILT FENCE (1 / C2.11)

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

KEY MAP

REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 02/11/2026	DSS
2	04/30/2026	SJRWMD COMMENTS DATED 03/30/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SCS

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DEMO, EROSION & M.O.T. PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/12/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C2.2

LUKE CLASSON
LICENSE
No 77066
STATE OF FLORIDA
PROFESSIONAL ENGINEER
5/12/26

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N

W E

S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

KEY MAP

PARCEL ID: 01-20-27-0000-00-003
CENTRAL FLORIDA EXPRESSWAY AUTHORITY
NOT PLATTED

14,572 LF SILT FENCE (1 C2.11)

3,300 LF SILT FENCE (1 C2.11)

3,300 LF SILT FENCE (1 C2.11)

3,300 LF SILT FENCE (1 C2.11)

DEMO EXISTING DIRT ROAD

DEMO EXISTING DIRT ROAD

EXISTING TREE TO REMAIN (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200-LP208 FOR MORE DETAIL

EXISTING TREE TO BE REMOVED (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200-LP208 FOR MORE DETAIL

EXISTING TREE TO REMAIN (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200-LP208 FOR MORE DETAIL

EXISTING TREE (TYP.) PLEASE SHEETS LP200 DETAIL

SHEET C2.2
SHEET C2.3
SHEET C2.3
SHEET C2.5
SHEET C2.3
SHEET C2.6
SHEET C2.5
SHEET C2.6
SHEET C2.3
SHEET C2.4

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REV	DATE	DESCRIPTION	BY
1	05/07/2026	S.SIERRA COMMENTS DATED 05/07/2026	SSS
2	04/30/2026	S.SIERRA COMMENTS DATED 04/30/2026	SSS
3	05/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS

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DEMO, EROSION & M.O.T. PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/12/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C2.3

LUKE CLASSON
LICENSE
No 77066
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PROFESSIONAL ENGINEER
5/12/26

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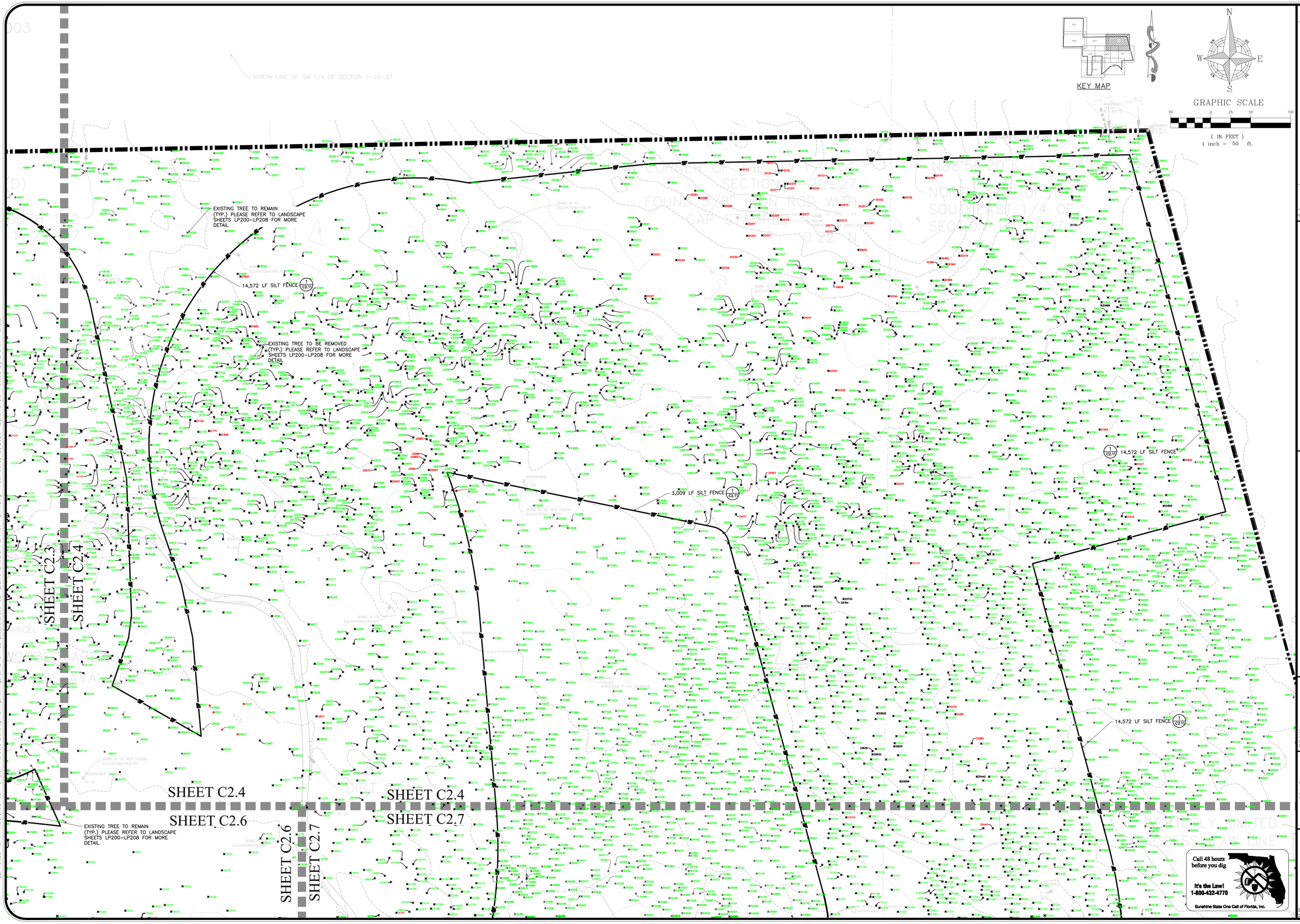

BY	SCS	DESCRIPTION
SCS	05/07/2026	S.SHINO COMMENTS DATED 05/07/2026
SCS	04/30/2026	S.SHINO COMMENTS DATED 04/30/2026
SCS	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026

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CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/12/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C2.4

LAKE CLASSON
LICENSED
No 77066
STATE OF FLORIDA
PROFESSIONAL ENGINEER
5/12/26

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14,572 LF SILT FENCE (1 C2.11)

SHEET C2.2
SHEET C2.5

SHEET C2.3
SHEET C2.5

3,300 LF SILT FENCE (1 C2.11)

SHEET C2.3

SHEET C2.6

SHEET C2.5

SHEET C2.6

EXISTING TREE TO REMAIN (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200–LP208 FOR MORE DETAIL

EXISTING TREE TO BE REMOVED (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200–LP208 FOR MORE DETAIL

14,572 LF SILT FENCE (1 C2.11)

7,028 LF SILT FENCE (1 C2.11)

DEMO EXISTING DIRT TRAIL

DEMO EXISTING BARBED WIRE FENCE

7,028 LF SILT FENCE (1 C2.11)

SHEET C2.5
SHEET C2.8

SHEET C2.6
SHEET C2.8

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

KEY MAP

REV	DATE	DESCRIPTION	BY
5	05/07/2026	S.SIRRA COMMENTS DATED 05/07/2026	SSS
4	04/30/2026	S.SIRRA COMMENTS DATED 04/30/2026	SSS
3	04/14/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	SSS
2	02/12/2026		
1			

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CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/12/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C2.5

LAKE CLASSON LICENSED PROFESSIONAL ENGINEER No 77066 STATE OF FLORIDA 5/12/26

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EXISTING TREE TO REMAIN (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200–LP208 FOR MORE DETAIL

SHEET C2.3

SHEET C2.6

SHEET C2.5

SHEET C2.6

EXISTING TREE TO BE REMOVED (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200–LP208 FOR MORE DETAIL

3,300 LF SILT FENCE (1 / C2.11)

EXISTING TREE TO REMAIN (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200–LP208 FOR MORE DETAIL

SHEET C2.4

SHEET C2.6

SHEET C2.6

SHEET C2.7

SHEET C2.4

SHEET C2.7

EXISTING TREE TO BE REMOVED (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200–LP208 FOR MORE DETAIL

7,028 LF SILT FENCE (1 / C2.11)

SHEET C2.6

SHEET C2.9

SHEET C2.7

SHEET C2.9

3,009 LF SILT FENCE (1 / C2.11)

EXISTING TREE TO REMAIN (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200–LP208 FOR MORE DETAIL

DEMO EXISTING DIRT ROAD

SHEET C2.5

SHEET C2.8

SHEET C2.6

SHEET C2.8

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GRAPHIC SCALE

50 0 25 50 100

(IN FEET)

1 inch = 50 ft.

KEY MAP

REV	DATE	DESCRIPTION	BY
5	05/07/2026	S.WARD COMMENTS DATED 05/07/2026	SSC
4	04/30/2026	S.WARD COMMENTS DATED 04/30/2026	SSC
3	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	SSC

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DEMO, EROSION & M.O.T. PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM

DESIGNED: S. SIERRA-GIL

CHECKED: L.CLASSON

DATE: 5/12/2026

SCALE: 1" = 50'

PROJECT: PUL-037

SHEET: C2.6

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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SHEET C2.4

SHEET C2.7

SHEET C2.6

SHEET C2.7

SHEET C2.7

SHEET C2.9

EXISTING TREE TO REMAIN (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200-LP208 FOR MORE DETAIL

EXISTING TREE TO BE REMOVED (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200-LP208 FOR MORE DETAIL

14,572 LF SILT FENCE (1 C2.11)

3,009 LF SILT FENCE (1 C2.11)

14,572 LF SILT FENCE (1 C2.11)

DEMO EXISTING DIRT ROAD

SOUTH LINE OF THE NE 1/4 OF THE SW 1/4 OF SECTION 1-20-27

SOUTH LINE OF THE SE 1/4 OF THE SW 1/4 OF SECTION 1-20-27

SOUTHEAST CORNER OF THE SE 1/4 OF THE SW 1/4 OF SECTION 1-20-27

FOUND 4"X4" CONCRETE MONUMENT, NO ID

N.T.S.

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)

1 inch = 50 ft.

KEY MAP

REV	DATE	DESCRIPTION	BY
1	05/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/30/2026	SJRWMD COMMENTS DATED 03/30/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SCS

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DEMO, EROSION & M.O.T. PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM

DESIGNED: S. SIERRA-GIL

CHECKED: L.CLASSON

DATE: 5/12/2026

SCALE: 1" = 50'

PROJECT: PUL-037

SHEET: C2.7

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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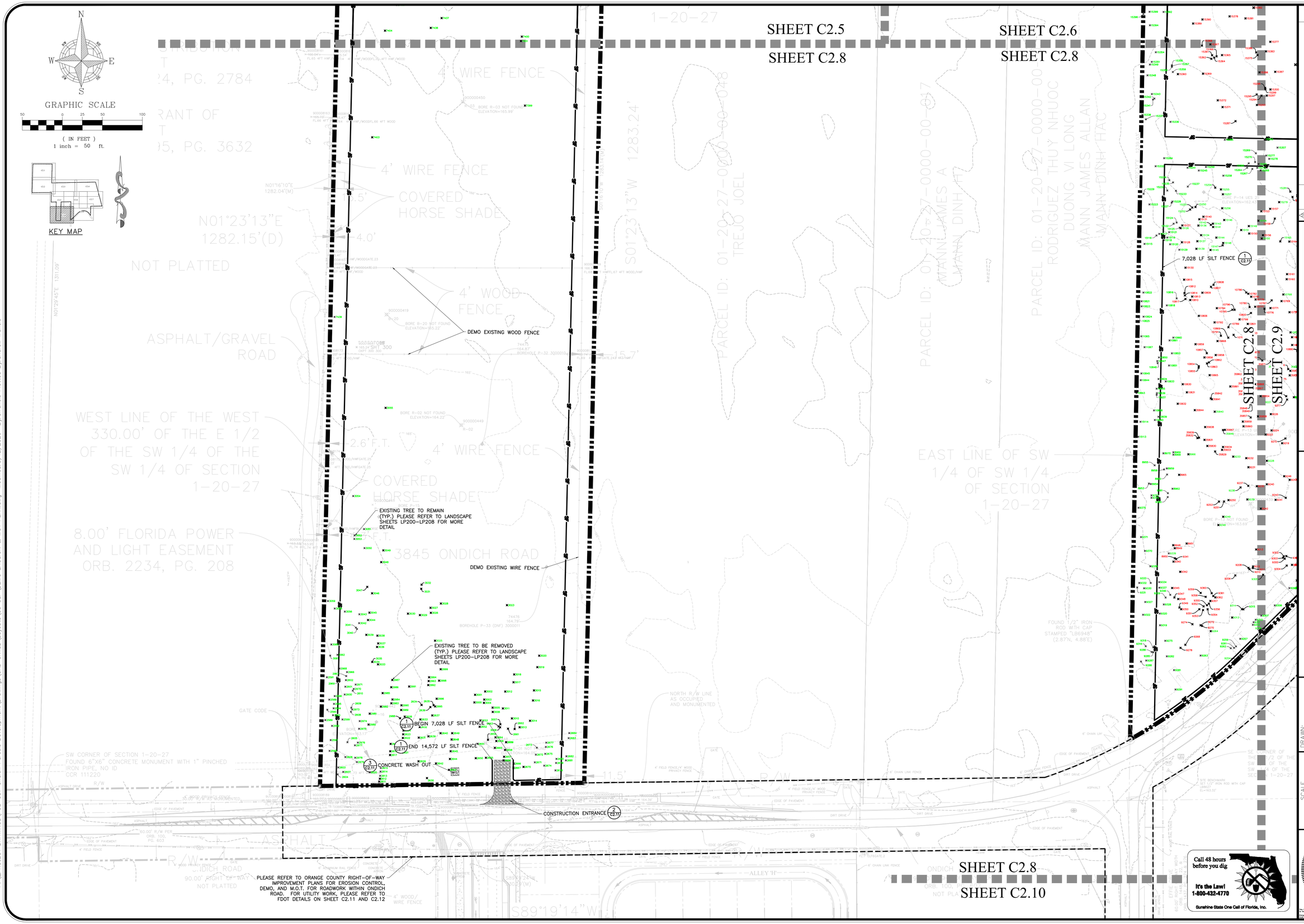
N
W
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GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.
KEY MAP
SHEET C2.5
SHEET C2.8
SHEET C2.6
SHEET C2.8
SHEET C2.8
SHEET C2.9
SHEET C2.8
SHEET C2.10
7,028 LF SILT FERCE
DEMO EXISTING WOOD FENCE
DEMO EXISTING WIRE FENCE
EXISTING TREE TO REMAIN (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200–LP208 FOR MORE DETAIL
EXISTING TREE TO BE REMOVED (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200–LP208 FOR MORE DETAIL
BEGIN 7,028 LF SILT FENCE
END 14,572 LF SILT FENCE
CONCRETE WASH OUT
CONSTRUCTION ENTRANCE
PLEASE REFER TO ORANGE COUNTY RIGHT–OF–WAY IMPROVEMENT PLANS FOR EROSION CONTROL, DEMO, AND M.O.T. FOR ROADWORK WITHIN ONDICH ROAD. FOR UTILITY WORK, PLEASE REFER TO FDOT DETAILS ON SHEET C2.11 AND C2.12
3845 ONDICH ROAD
PARCEL ID: 01–20–27–0000–00–048
TREJO JOEL
PARCEL ID: 01–20–27–0000–00–017
MANN JAMES A
MANN DINH T
PARCEL ID: 01–20–27–0000–00–
RODRIGUEZ THUY NHUOC
DUONG VI LONG
MANN JAMES ALLAN
MANN DINH THAC
4' WIRE FENCE
4' WOOD FENCE
COVERED HORSE SHADE
ASPHALT/GRAVEL ROAD
NOT PLATTED
WEST LINE OF THE WEST 330.00' OF THE E 1/2 OF THE SW 1/4 OF THE SW 1/4 OF SECTION 1–20–27
EAST LINE OF SW 1/4 OF SW 1/4 OF SECTION 1–20–27
8.00' FLORIDA POWER AND LIGHT EASEMENT ORB. 2234, PG. 208
SW CORNER OF SECTION 1–20–27 FOUND 6"X6" CONCRETE MONUMENT WITH 1" PINCHED IRON PIPE, NO ID CCR 111220
SE CORNER OF THE W 1/2 OF THE SW 1/4 OF THE SW 1/4 OF SECTION 1–20–27
FOUND 1/2" IRON ROD WITH CAP STAMPED "LB6948" (2.87'N, 4.88'E)
SITE BENCHMARK SET 1/2" IRON ROD WITH CAP "BRELY" EL=163.32
NORTH R/W LINE AS OCCUPIED AND MONUMENTED
ALLEY 'H'
ONDICH ROAD
90.00' RIGHT OF WAY
NOT PLATTED
60.00' R/W PER ORB. 100, PG. 603
S89°19'14"W 1311.09'(M)
N01°29'45"E 1311.09'
N01°16'10"E 1282.04'(M)
N01°23'13"E 1282.15'(D)
S01°23'13"W 1283.24'
GATE CODE
BORE R–01 NOT FOUND ELEVATION=165.99'
BORE R–02 NOT FOUND ELEVATION=164.22'
BORE R–20 NOT FOUND ELEVATION=165.22'
BORE P–14 (ES 2) ELEVATION=162.43
BORE P–33 (DNF) 3000011
BORE P–34 (ES 1) ELEVATION=163.69'
BORE P–35 NOT FOUND ELEVATION=163.69'
BORE P–36 NOT FOUND ELEVATION=163.69'
BORE P–37 NOT FOUND ELEVATION=163.69'
BORE P–38 NOT FOUND ELEVATION=163.69'
BORE P–39 NOT FOUND ELEVATION=163.69'
BORE P–40 NOT FOUND ELEVATION=163.69'
BORE P–41 NOT FOUND ELEVATION=163.69'
BORE P–42 NOT FOUND ELEVATION=163.69'
BORE

N

W E

S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

KEY MAP

SHEET C2.6

SHEET C2.7

SHEET C2.9

SHEET C2.8

SHEET C2.9

1 C2.11 7,028 LF SILT FENCE

1 C2.11 14,572 LF SILT FENCE

EXISTING TREE TO REMAIN (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200–LP208 FOR MORE DETAIL

DEMO EXISTING DIRT ROAD

EXISTING TREE TO BE REMOVED (TYP.) PLEASE REFER TO LANDSCAPE SHEETS LP200–LP208 FOR MORE DETAIL

1 C2.11 BEGIN 14,572 LF SILT FENCE

1 C2.11 END 7,028 LF SILT FENCE

3 C2.11 CONCRETE WASH OUT

2 C2.11 CONSTRUCTION ENTRANCE

PLEASE REFER TO ORANGE COUNTY RIGHT–OF–WAY IMPROVEMENT PLANS FOR EROSION CONTROL, DEMO, AND M.O.T. FOR ROADWORK WITHIN ONDICH ROAD. FOR UTILITY WORK, PLEASE REFER TO FDOT DETAILS ON SHEET C2.11 AND C2.12

ONDICH ROAD
53.00' R/2 RIGHT OF WAY
WIDTH PER PLAT BOOK K
PAGE 7 OF WAY
66.00' RIGHT OF WAY
WIDTH AS MONUMENTED

ZONE A

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REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 02/11/2026	DSS
2	04/10/2026	SJRWMD COMMENTS DATED 03/30/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SCS
4			
5			
6			
7			

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MAITLAND, FLORIDA 32751
(407) 558-2228

BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

DEMO, EROSION & M.O.T. PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA–GIL
CHECKED: L.CLASSON
DATE: 5/12/2026

SCALE: 1" = 50'
PROJECT: PUL–037
SHEET: C2.9

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER
5/12/26

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SHEET C2.8

SHEET C2.10

MATCHLINE A-A

CONTRACTOR TO PROVIDE M.O.T PER FDOT DETAILS ON SHEET C2.11 AND C2.12

CONTRACTOR TO PROVIDE M.O.T PER FDOT DETAILS ON SHEET C2.11 AND C2.12

ONDICH SOUTH
(CITY OF APOPKA PROJECT CSP-25-15)
(ORANGE COUNTY E-PERMIT 25-E-058)

PAULETTE STREET

MATCHLINE A-A

N

W E

S

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

KEY MAP

REV	DATE	DESCRIPTION	BY
1	05/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/30/2026	S.JIMINO COMMENTS DATED 04/30/2026	DSS
3	05/07/2026	S.JIMINO COMMENTS DATED 05/07/2026	SGS

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DEMO, EROSION & M.O.T. PLAN

CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/12/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C2.10

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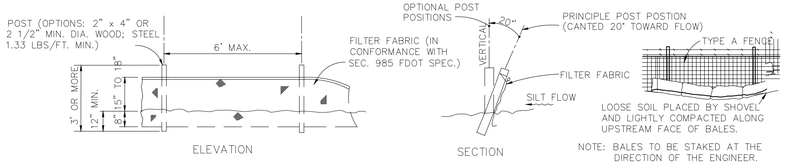
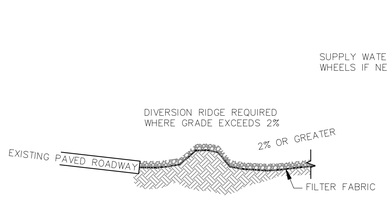


NOTE

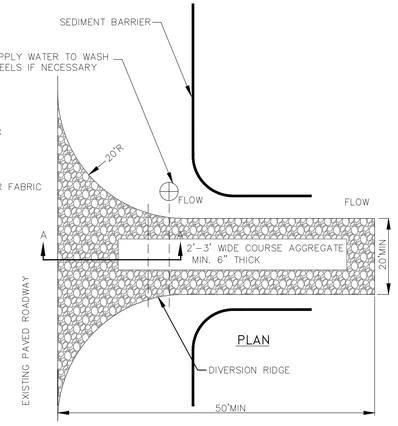
SILT FENCE TO BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE (LF)

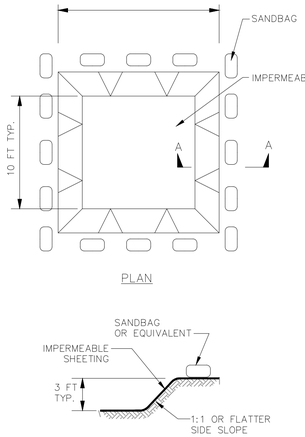
1 TYPE III SILT FENCE DETAIL
N.T.S.



SECTION A–A

NOTE(S):
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT–OF–WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
4. ALL EROSION CONTROL MATERIALS, CONSTRUCTION & MAINTENANCE TO BE PER APPLICABLE SECTIONS OF FDOT STANDARD SPECIFICATION #104.
5. USE SANDBAGS OR OTHER APPROVED METHODS TO CHANNELIZE RUNOFF TO BASIN REQUIRED.
6. COURSE AGGREGATE & FILTER FABRIC TO BE PER SECTIONS OF FDOT STANDARD SPECIFICATION #901 & #985 RESPECTIVELY.





EXCAVATED WASHOUT STRUCTURE

NOTES:

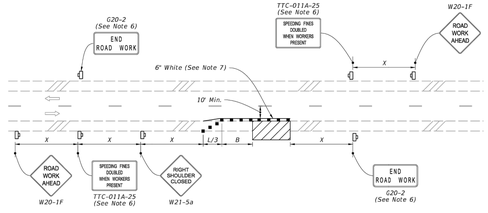
1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.
3. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.
5. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET–VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.

2 TEMPORARY CONSTRUCTION ENTRANCE DETAIL
N.T.S.

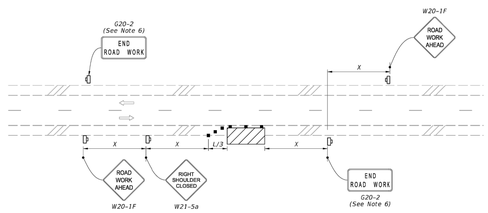
3 CONCRETE WASH OUT

NOTE:
1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.
2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.
3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.
4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.
5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.
6. The "Speeding Fines Doubled When Workers Present" signs (TTC-011A-25) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.
8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:
- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



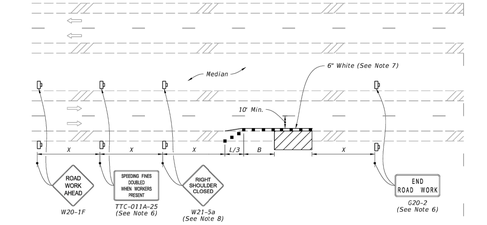
TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY WITH WORK ZONE SPEED OF 45 MPH OR LESS



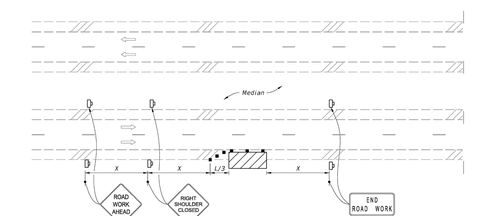
TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

LAST REVISION	DESCRIPTION:	FDOT FY 2026-27 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX	SHEET
11/01/25	REVISION			102-602	1 of 2

SYMBOLS:
- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY WITH WORK ZONE SPEED OF 45 MPH OR LESS



MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

LAST REVISION	DESCRIPTION:	FDOT FY 2026-27 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX	SHEET
11/01/25	REVISION			102-602	2 of 2

4 MAINTENANCE OF TRAFFIC – WORK ON SHOULDER
N.T.S.

BY	DESCRIPTION	DATE	REV
SSS	CITY OF APOPKA COMMENTS DATED 04/14/2026	05/12/2026	3
SSS	S.JENKO COMMENTS DATED 04/07/2026	04/30/2026	2
SSS	S.JENKO COMMENTS DATED 03/30/2026	03/30/2026	1

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DEMO, EROSION & M.O.T. DETAILS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
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DRAWN: L. GRAHAM
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CHECKED: L.CLASSON
DATE: 5/12/2026
SCALE: N.T.S.
PROJECT PUL–037
SHEET C2.11

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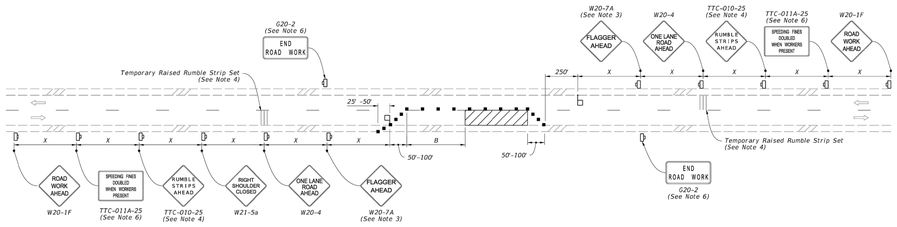


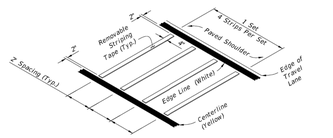
NOTES:

1. This Index applies to Two-Lane, Two-Way Roadways with work within the traveled way.
2. L = Taper Length
   B = Buffer Length
   X = Work Zone Sign Spacing
   See Index 102-600 for "L", "B", "X" and channelizing device spacing values.
3. Optionally, use "Flagger Ahead" sign with symbol (W20-7) instead of "Flagger Ahead" sign with text (W20-7A).
4. Use temporary raised rumble strips when the existing posted speed is 55 mph or greater and the work duration is greater than 60 minutes. If temporary raised rumble strips are not used, omit "Rumble Strips Ahead" signs (TTC-010-25) and associated work zone sign spacing.
5. Additional one-way control may be provided by the following means:
   a. Flag-carrying vehicle
   b. Official vehicles
   c. Pilot vehicles
   d. Traffic signals

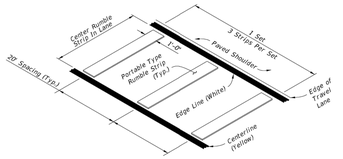
   When flaggers are the sole means of one-way control, the flaggers must be in sight of each other or in direct communication at all times.
6. The "Speeding Fines Doubled When Workers Present" signs (TTC-011A-25) and "End Road Work" signs (G20-2), along with associated work zone sign spacing, may be omitted when the work operation will be in place for 24 hours or less.
7. Automated Flagger Assistance Devices (AFADs) may be used in accordance with Specification Sections 102, 990 and the APL vendor drawings.
8. Railroad Crossings:
   a. If an active railroad crossing is located closer to the Work Area than the queue length plus 300 feet, extend the Buffer Space as shown on Sheet 2.
   b. If the queuing of vehicles across an active railroad crossing cannot be avoided, provide a uniformed traffic control officer or flagger at the highway-rail grade crossing to prevent vehicles from stopping within the highway-rail grade crossing, even if automatic train warning devices are in place.

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Flagger
- Lane Identification and Direction of Traffic



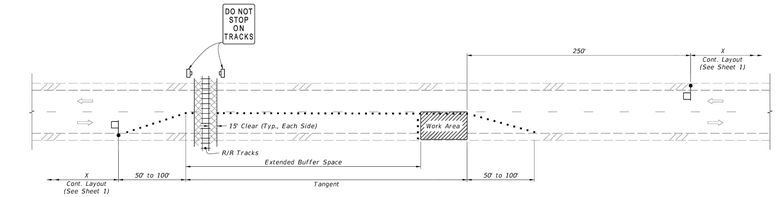
OPTION - 1
REMOVABLE STRIPING TYPE



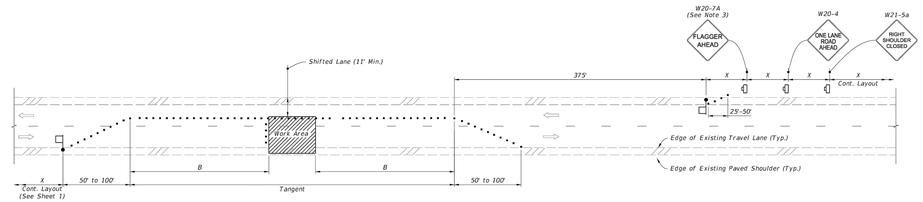
OPTION - 2
PORTABLE TYPE

RUMBLE STRIP SETS

LAST REVISION	DESCRIPTION:	FDOT	FY 2026-27 STANDARD PLANS	TWO-LANE, TWO-WAY WORK WITHIN THE TRAVEL WAY	INDEX	SHEET
11/01/25					102-603	1 of 2



TEMPORARY RAILROAD CROSSING BUFFER SPACE EXTENSION



TEMPORARY LANE SHIFT TO SHOULDER WHEN WORK AREA ENCROACHES ON THE CENTERLINE
(For Work Operations In place 24 Hours or Less)

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Flagger
- Lane Identification and Direction of Traffic

SPECIAL CONDITIONS

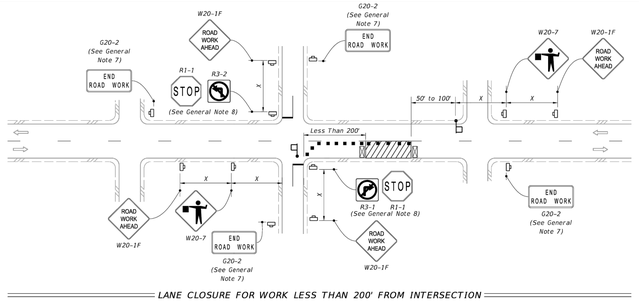
LAST REVISION	DESCRIPTION:	FDOT	FY 2026-27 STANDARD PLANS	TWO-LANE, TWO-WAY WORK WITHIN THE TRAVEL WAY	INDEX	SHEET
11/01/21					102-603	2 of 2

5 MAINTENANCE OF TRAFFIC – WORK WITHIN TRAVEL WAY

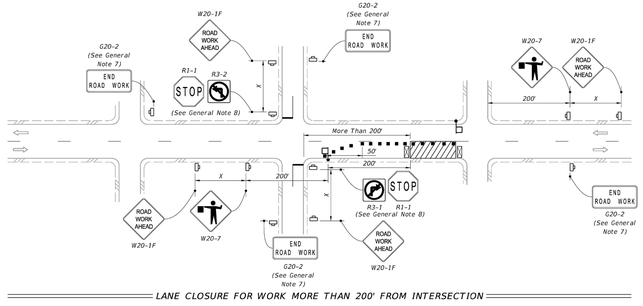
N.T.S.

GENERAL NOTES:

1. This Index applies to two-lane, two-way roadways with work within or near the intersection.
2. X = Work Zone Sign Spacing
   See Index 102-600 for "X" and channelizing device spacing values.
3. Optionally, use "Flagger Ahead" sign with text (W20-7A) instead of "Flagger Ahead" sign with symbol (W20-7).
4. If vehicles in a parking zone block the line of sight to TCZ signs, locate and post mount signs in accordance with Index 700-101.
5. If the work area extends across a crosswalk, close the crosswalk in accordance with Index 102-660.
6. For unsignalized intersections, use Temporary Raised Rumble Strips in accordance with Index 102-603. Placement of Rumble Strips and additional signs should begin at FLAGGER sign location.
7. The "End Road Work" signs (G20-2) along with the associated work zone sign distances may be omitted when the work zone will be in place for 24 hours or less.
8. As an option to the "STOP" sign (R1-1) and Restricted Left/Right Turning Movement sign (R3-1 or R3-2), the "SIDE ROAD INTERSECTING THE WORK ZONE" flagging operation from Index 102-600 may be used.



LANE CLOSURE FOR WORK LESS THAN 200' FROM INTERSECTION

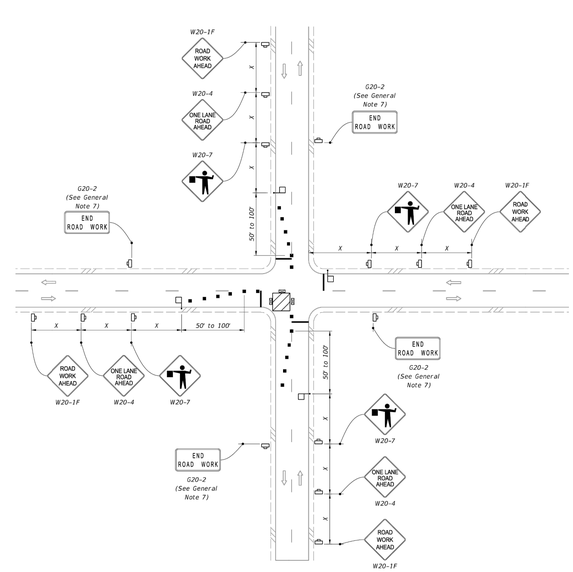


LANE CLOSURE FOR WORK MORE THAN 200' FROM INTERSECTION

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Type III Barricade
- Stop Bar
- Flagger
- Lane Identification and Direction of Traffic

LAST REVISION	DESCRIPTION:	FDOT	FY 2026-27 STANDARD PLANS	TWO-LANE, TWO-WAY, INTERSECTION WORK	INDEX	SHEET
11/01/22					102-604	1 of 2



WORK IN INTERSECTION OF TWO-LANE ROADWAY

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Type III Barricade
- Stop Bar
- Flagger
- Lane Identification and Direction of Traffic

LAST REVISION	DESCRIPTION:	FDOT	FY 2026-27 STANDARD PLANS	TWO-LANE, TWO-WAY, INTERSECTION WORK	INDEX	SHEET
11/01/22					102-604	2 of 2

6 MAINTENANCE OF TRAFFIC – WORK IN INTERSECTION

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4	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	OSS
3	04/07/2026	SJRWMD COMMENTS DATED 04/30/2026	OSS
2	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SCS

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DEMO, EROSION & M.O.T. DETAILS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/12/2026
SCALE: N.T.S.
PROJECT: PUL-037
SHEET: C2.1.2

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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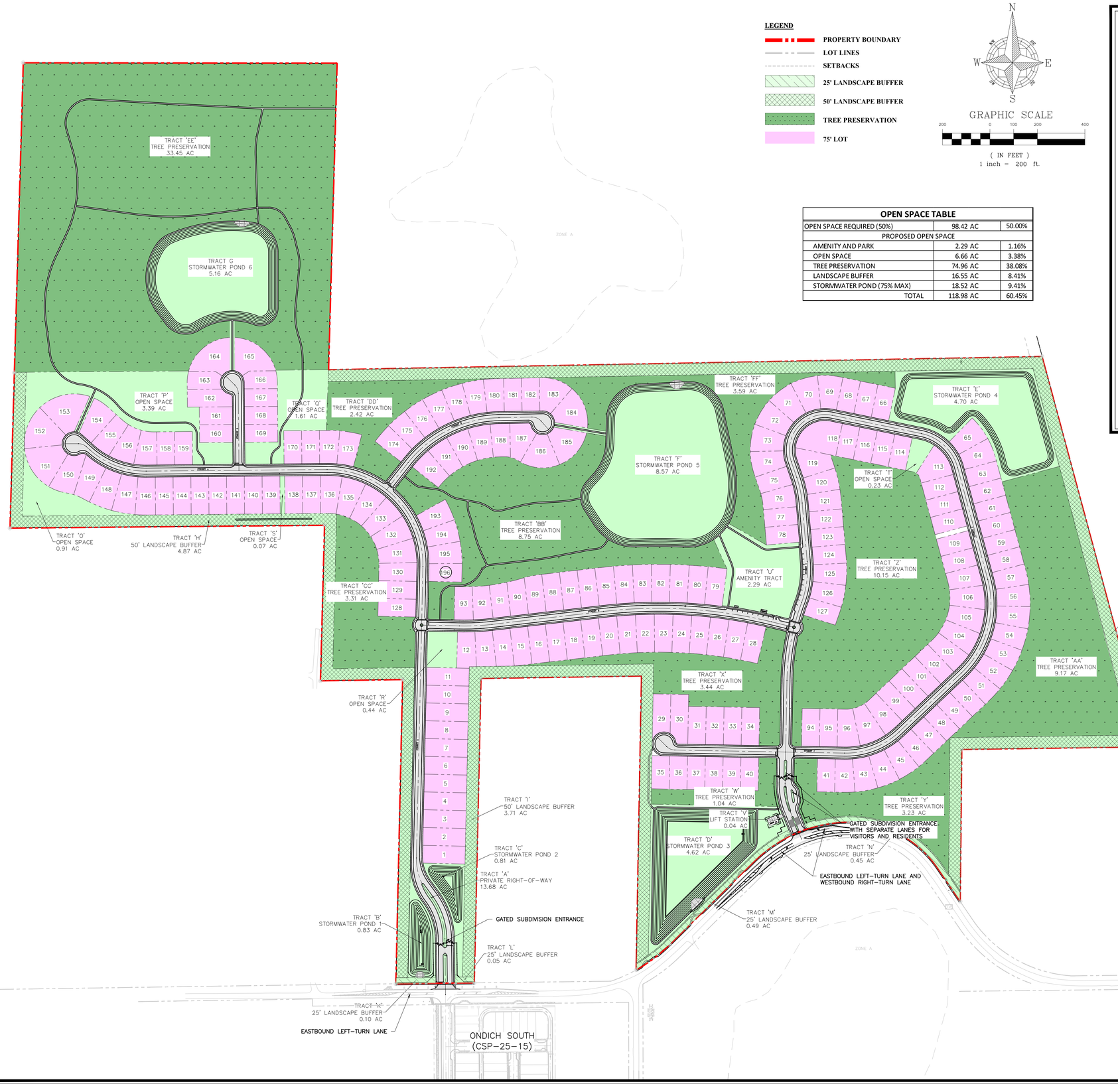

OPEN SPACE TABLE		
OPEN SPACE REQUIRED (50%)	98.42 AC	50.00%
PROPOSED OPEN SPACE		
AMENITY AND PARK	2.29 AC	1.16%
OPEN SPACE	6.66 AC	3.38%
TREE PRESERVATION	74.96 AC	38.08%
LANDSCAPE BUFFER	16.55 AC	8.41%
STORMWATER POND (75% MAX)	18.52 AC	9.41%
TOTAL	118.98 AC	60.45%

OVERALL SITE DATA:

OCPA - PARCEL ID #s:	**01-20-27-0000-00-007, 01-20-27-0000-00-034 01-20-27-0000-00-053, 02-20-27-0000-00-010 02-20-27-0000-00-011, 02-20-27-0000-00-020**
TOTAL PROPERTY AREA:	**196.83 Ac.**
FEMA FLOOD INSURANCR RATE MAP FLOOD ZONE: FIRM PANEL #12095C0050H DATED SEPT. 24, 2021	**X**
EXISTING FUTURE LAND USE (FLU):	**RS (CITY)**
ADJACENT FUTURE LANE USE (FLU):	
NORTH	R (COUNTY)
SOUTH	R (COUNTY), MU (CITY)
EAST	R (COUNTY)
WEST	R (COUNTY)
EXISTING ZONING:	**PD (CITY)**
ADJACENT ZONING:	
NORTH	A-1 (COUNTY), R-CE-5 (COUNTY)
SOUTH	A-1 (COUNTY), MU-N (CITY)
EAST	A-1 (COUNTY),
WEST	A-1 (COUNTY), R-CE-5 (COUNTY)
PROPOSED NUMBER OF DWELLING UNITS :	**196 LOTS**
PROPOSED NET DENSITY:	**0.99 DU/Ac.**
MINIMUM OPEN SPACE:	**50% (98.42 Ac.)**
PROPOSED MINIMUM LOT REQUIREMENTS:	**75'x130' LOTS**
MINIMUM LOT AREA	9,750 SF
MINIMUM LOT WIDTH	75 ft.
MINIMUM LOT DEPTH	130 ft.
MAXIMUM BUILDING HEIGHT	35 ft. (2-story)
SETBACKS	
FRONT/STREET SIDE	25 ft. min.
REAR	25 ft. min.
SIDE	7.5 ft. min.
CORNER	25 ft. min.

TRACT DATA

TRACT	DESCRIPTION	AREA (AC)	AREA (SF)	OWNER
TRACT 'A'	PRIVATE RIGHT-OF-WAY	13.68 AC	595,684 SF	H.O.A.
TRACT 'B'	STORMWATER POND 1	0.83 AC	36,032 SF	H.O.A.
TRACT 'C'	STORMWATER POND 2	0.81 AC	35,294 SF	H.O.A.
TRACT 'D'	STORMWATER POND 3	4.62 AC	201,363 SF	H.O.A.
TRACT 'E'	STORMWATER POND 4	4.70 AC	204,799 SF	H.O.A.
TRACT 'F'	STORMWATER POND 5	8.57 AC	373,267 SF	H.O.A.
TRACT 'G'	STORMWATER POND 6	5.16 AC	224,942 SF	H.O.A.
TRACT 'H'	50' LANDSCAPE BUFFER	4.87 AC	211,969 SF	H.O.A.
TRACT 'I'	50' LANDSCAPE BUFFER	3.71 AC	161,424 SF	H.O.A.
TRACT 'J'	50' LANDSCAPE BUFFER	6.88 AC	299,558 SF	H.O.A.
TRACT 'K'	25' LANDSCAPE BUFFER	0.10 AC	4,346 SF	H.O.A.
TRACT 'L'	25' LANDSCAPE BUFFER	0.05 AC	2,185 SF	H.O.A.
TRACT 'M'	25' LANDSCAPE BUFFER	0.49 AC	21,556 SF	H.O.A.
TRACT 'N'	25' LANDSCAPE BUFFER	0.45 AC	19,694 SF	H.O.A.
TRACT 'O'	OPEN SPACE	0.91 AC	39,740 SF	H.O.A.
TRACT 'P'	OPEN SPACE	3.39 AC	147,577 SF	H.O.A.
TRACT 'Q'	OPEN SPACE	1.61 AC	70,230 SF	H.O.A.
TRACT 'R'	OPEN SPACE	0.44 AC	19,303 SF	H.O.A.
TRACT 'S'	OPEN SPACE	0.07 AC	3,200 SF	H.O.A.
TRACT 'T'	OPEN SPACE	0.23 AC	10,153 SF	H.O.A.
TRACT 'U'	AMENITY TRACT	2.29 AC	99,805 SF	H.O.A.
TRACT 'V'	LIFT STATION	0.04 AC	1,944 SF	CITY
TRACT 'W'	TREE PRESERVATION	1.04 AC	45,341 SF	H.O.A.
TRACT 'X'	TREE PRESERVATION	3.44 AC	149,985 SF	H.O.A.
TRACT 'Y'	TREE PRESERVATION	3.23 AC	140,794 SF	H.O.A.
TRACT 'Z'	TREE PRESERVATION	10.15 AC	442,072 SF	H.O.A.
TRACT 'AA'	TREE PRESERVATION	9.17 AC	399,466 SF	H.O.A.
TRACT 'BB'	TREE PRESERVATION	8.75 AC	381,081 SF	H.O.A.
TRACT 'CC'	TREE PRESERVATION	3.31 AC	143,987 SF	H.O.A.
TRACT 'DD'	TREE PRESERVATION	2.42 AC	105,327 SF	H.O.A.
TRACT 'EE'	TREE PRESERVATION	33.45 AC	1,457,179 SF	H.O.A.
TRACT 'FF'	TREE PRESERVATION	3.59 AC	156,193 SF	H.O.A.

REV	DATE	DESCRIPTION	BY
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2	04/30/2026	SJRWMD COMMENTS DATED 04/30/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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MAITLAND, FLORIDA 32751
(407) 558-2228

PD MASTER PLAN
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/12/2026
SCALE: 1" = 200'
PROJECT: PUL-037
SHEET: C3.0

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P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\PD Master Plan.dwg Modified:5/12/2026 By:afrancis Plotted By:andrew francis

ONDICH NORTH MASTER PLAN DEVELOPMENT STANDARDS

A. Design Standards (1)

1. LOT CRITERIA:

Description	Single-Family Detached 75-Foot Lots
Front Porch Setback (2)	10' min.
Front/Street Side Setback	25' min.
Rear Setback (3)	25' min.
Side Setback	7.5' min.
Garage Front Setback	30' min.
Min. Average Lot Area	9,750 SF
Min. Lot Width	75'
Min. Lot Depth	130'
Max. Lot Coverage	75%
Max. Building Height	35'/2 Stories
Min. Living Area	1,500 SF

(1) See Master Plan sheet for depiction of conceptual typical site plans.
(2) Front porch setback as allowed per City of Apopka Development Design Guidelines 3.2.1.
(3) Swimming pools and other structures are allowed to encroach within the building setbacks as allowed in Section 4.3.4 of the City of Apopka Land Development Code.

B. Architectural, Buildings, and Accessory Structures

1. Architectural design shall meet the intent of City of Apopka Development Design Guidelines unless otherwise stated.
2. All lots shall have detached single-family homes.
3. Each individual single-family home shall have a minimum of two (2) bedrooms.
4. All lots shall have minimum two (2) car garages.
5. Mail delivery for all lots within the project shall occur at cluster mailbox units. Approval from the Postmaster of the location(s) shall be submitted prior to approval of the Construction Site Plan.
6. AC condenser units ("Units") and similar equipment shall be placed in the side or rear yard area. Units and similar equipment shall be placed with a minimum three (3) feet setback from side property line. Units shall be screened from side streets with landscaping or opaque fencing.
7. Storage sheds or similar storage facilities are allowed within the development as long as street buffering and/or adequate screening is provided as specified through the HOA documents.
8. A property owner may request approval by the City to allow one (1) accessory dwelling unit (ADU) per lot provided the ADU meets all requirements as specified through the HOA documents.
9. Swimming pools shall be allowed on all lots.
10. Architectural Design Standards:
    a) Architectural styles shall be determined prior to Construction Site Plan approval, and these shall meet the intent of the City of Apopka's Development Design Guidelines except as noted on these Development Standards. Modification or replacement of the exterior elevations can be approved by the Community Development Director or the Planning Director, or a designee, if such changes represent equivalent architectural value. Substantial deviations from architectural renderings must be approved by City Council.
    b) Front facade materials such as cultured stone veneer, stucco, wood plank, and fiber cement siding may be utilized to be consistent with the applicable Architectural Style.
    c) Minimum roof pitch over the main house and garage shall be 4/12. Roof pitch over porches shall be a minimum of 4/12.
    d) Thirty-year asphalt shingle shall be installed on all roofs. Three-tab shingles are prohibited. The shingle color shall compliment the color scheme of the house.
    e) Aluminum or vinyl fascia and soffit shall be standard for all houses. Fascia and soffit color shall compliment the color scheme of the house.
    f) Trim around windows and doors shall be painted a different color from the body of the house. Doors may be painted either the same as the trim or separate accent color.
    g) Concrete or pavers shall be installed for driveways, lead walks, porches, and porticos.
11. Front Building Entrance Elevation Design Standards:
    a) A front-entry garage shall be flush with or behind the primary residential façade or porch.
    b) All lots shall be allowed to have front-entry, side-entry or courtyard-entry garages.
    c) A three car front-entry garage can comprise more than fifty percent of the front façade length if (1) habitable floor is located over the majority of the garage or (2) an architectural feature such as dormers gives an appearance of an occupied floor above the garage.
    d) Front porches and porticos may be at grade level.
    e) Identical model plan type shall not be constructed on neighboring lots who share a side yard property boundary line or are directly across the street without a different elevation type.
    f) Identical exterior paint schemes shall not be applied on neighboring lots who share a side yard property boundary line or are directly across the street.
    g) Specific elevations style types shall have similar wall finishes, window grid patterns, window banding & trim, roof lines and slopes, etc. Applied to each lot width model plan type front elevations.
    h) Modification or replacement of the exterior elevations can be approved by the Community Development Director or the Planning Director, or a designee, if such changes represent equivalent architectural value. Substantial deviations from exterior elevations must be approved by City Council.
12. Individual Lot Front & Rear Yard Fencing Standards:
    a) Maximum height of a fence shall be six (6) feet above final grade or six (6) inches less than the community common wall height, whichever is less. No fence shall exceed the height of an abutting common area wall.
    b) Fencing in front yards and street corner side yards of lots shall adhere to LDC Section 5.5.
    c) Vinyl fencing shall be allowed.

C. Utilities and Infrastructure

1. Potable water service shall be provided by the City of Apopka. The water system shall be designed to City of Apopka and FDEP standards.
2. Reclaimed water service shall be provided by the City of Apopka. The reclaimed water system shall be designed to City of Apopka standards.
3. Sanitary service shall be provided by the City of Apopka. The sanitary system shall be designed to City of Apopka and FDEP standards.
4. Utility easements shall be dedicated to the City of Apopka.
5. Stabilized access roadways and fire protection, which can be provided via a temporary source (i.e., water tank), must be in place before building construction may begin.
6. Solid waste collection and public safety (police and fire) provided by the City of Apopka.
7. Stormwater management system shall be designed to comply with the design standards of the City of Apopka and the St. Johns River Water Management District.
8. A final drainage report and soils report will be submitted with the Construction Site Plan.
9. Drainage easements to be dedicated to the Homeowners' Association ("HOA") unless otherwise required by the City of Apopka.
10. All stormwater and utility pipes may be moved to save existing trees in the right-of-way. Any change in the location of these pipes will be shown on the Construction Site Plan.
11. Internal rights-of-way are to be constructed per City of Apopka standards.
12. The internal rights-of-way are permitted to be private and the community is permitted to be gated. The installation of access gates at the entrances of the project is permitted. Any access gates shall be owned and maintained by the HOA.
13. Five-foot (5') wide sidewalks are to be constructed adjacent to internal rights-of-way throughout the entire development. Sidewalk alignment may be adjusted at Construction Site Plan to preserve existing trees.
14. Power service within the development shall be underground. No overhead service will be allowed.
15. Vehicular, pedestrian and accent lighting shall substantially conform to Section 3.10 of the City of Apopka Development Design Guidelines.

D. Recreation and Open Space

1. Required project open space shall be a minimum of 50% of the developed site area in accordance with the requirements for the Northern Area of the Joint Planning Area (JPA) as set forth in the Settlement Interlocal Agreement between the City of Apopka and Orange County effective October 26, 2004.
2. Required project recreation shall be provided at a rate of 3.6 acres per 1,000 population with 2.6 population per dwelling unit.
3. The amenity tract shall be approximately 2.77 acres as shown on the Master Plan. A specific park site plan showing amenities/equipment shall be provided with the Construction Site Plan. Park amenities shall include a cabana with restrooms, a swimming pool, and a covered mailbox kiosk at a minimum. The swimming pool shall meet minimum sizing requirements based on the Florida Building Code. Documentation/calculations that the proposed pool size and deck complies with state health standards will be provided at the Building Permit Application.

E. Buffers and Landscaping

1. A buffer with a minimum width of ten (10) feet shall be provided along Ondich Road. This tract shall be dedicated to and maintained by the HOA.
2. A buffer with a minimum width of fifty (50) feet shall be provided along the property boundaries adjacent to proposed development unless otherwise specified in these Development Standards. This tract shall be dedicated to and maintained by the HOA.
3. The design of all buffer tracts shall comply with Water Wise Ordinance 2069 and Section 5.3 of the City of Apopka Land Development Code. Landscaping, Irrigation, and Hardscape Plans shall be provided at Construction Site Plan.
4. Entrance feature and community sign details will be provided with the Construction Site Plan.
5. Final landscape plans for the buffer areas along the proposed entrances on Ondich Road shall be provided with the Construction Site Plan.
6. Tree Planting Conditions – A minimum of four (4) new trees shall be planted per residential lot. The new trees shall be a minimum of three (3) inches DBH at the time of planting and shall count toward the overall number of required tree replacement inches, if any. Street tree plantings shall conform to Section 3.6 of the City of Apopka Development Design Guidelines.
7. Tree Protection Plan - The Construction Site Plan shall include tree protection techniques to prevent harm to any trees designated to be preserved or encroachment into protected natural areas, including but not limited to tree barricades, silt fencing or other similar techniques accepted by the City Engineer.

F. Maintenance and Plat

1. The HOA shall maintain all common areas and all fences/walls and landscaping within said areas.
2. The HOA shall be responsible for the maintenance of all private rights-of-way and stormwater collection systems within the private rights-of-way of the development.
3. The City of Apopka shall be responsible for maintenance of utilities (potable water main, reclaimed water main, force main, etc.) within the private rights-of-way of the development.

G. Wetlands and Environmental

1. There are no wetland areas within the site.
2. According to the FEMA Flood Insurance Rate Map for Orange County, FL, Panel No. 12095-C-0050-H, dated September 24, 2021, the entire site of the proposed development is located within Unshaded Zone 'X' (areas determined to outside the 500-year floodplain).
3. An erosion control plan will be submitted with the Construction Site Plan.
4. Tree removal, tree replacement, and landscaping shall comply with Water Wise Ordinance 2069 and Section 5.3 of the City of Apopka Land Development Code.
5. An individual lot clearing/arbor permit is required prior to clearing or grading any lot or issuance of a building permit. Placement of the house shall preserve existing trees to the greatest practical extent. Plot plan for each lot shall illustrate tree locations as presented within the Construction Site Plan.

H. Development Condition Continuity

1. The PD Development Standards shall be printed within the PD Master Plan and the Construction Site Plan.

I. Signage

1. Signage shall comply with Section 5.10 of the City of Apopka Land Development Code and with the City of Apopka Development Design Guidelines.
2. The general locations of the primary entry signs shall be identified on the PD Master Development Plan.

J. Lighting

1. Lighting shall comply with Section 5.6 of the City of Apopka Land Development Code and Section 3.10 of the City of Apopka Development Design Guidelines. Street and parking areas or pedestrian path light poles shall be decorative type. Details will be provided with the Construction Site Plan.

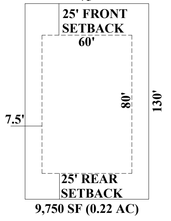
K. Building Permits & Model Homes

1. Building permits shall be issued and home construction shall be allowed for up to 50% of the homes within the project upon completion of stabilized access and fire protection, which can be provided via a temporary source (i.e., water tank), and prior to plat recording.
2. Each model home shall be allowed to be temporarily used for a sales office associated with the residential development.
3. A Temporary Certificate of Acceptance (TCO) for each model home shall be allowed with temporary utilities (i.e., sewer holding tank and generator power).
4. Model homes shall not receive a final Certificate of Acceptance (CO) until a final plat is recorded in the Public Records of Orange County, Florida.

L. Miscellaneous

5. Any existing septic tanks or wells shall be properly abandoned prior to earthwork or construction. Permits shall be applied for and issued by the appropriate agencies.
6. All acreages are subject to change with Major Development Plan, Construction Site Plan and Final Plat review and approval.
7. Outdoor storage areas (boats, trailers, recreational vehicles, etc.) are allowed within the development as long as adequate screening is provided as specified through the HOA documents.
8. All lots shall have uniform address numbers on the front facades of the residence.

TYPICAL 75' LOT SIZE/PROPOSED BUILDABLE AREA



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3	03/02/2026	SJRWMD COMMENTS DATED 02/02/2026	SKS

PD MASTER PLAN DEVELOPMENT STANDARDS
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/12/2026

SCALE: N.T.S.
PROJECT: PUL-037
SHEET: C3.1

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PROPOSED GREEN BUILDING STANDARDS:

LOCATION	
- DEVELOPMENT AS A TRADITIONAL NEIGHBORHOOD PLANNED DEVELOPMENT (PD) DISTRICT	0.75 pt.
PASSIVE SOLAR	
- ORIENT A MINIMUM OF 25 PERCENT OF RESIDENTIAL DWELLING UNITS OR LOTS IN THE DEVELOPMENT WITHIN 20 PERCENT OF EAST-WEST AXIS FOR MAXIMUM PASSIVE SOLAR EXPOSURE	1.00 pt.
VEGETATION	
- RETAIN AT LEAST 20 PERCENT OF EXISTING PRE-DEVELOPMENT NATURAL VEGETATION	0.75 pt.
- PRESERVE LARGE, NON-EXOTIC TREES ON SITE (LARGE TREE DEFINED AS 20 FEET OR GREATER IN HEIGHT AND 24 INCHES OR GREATER DBH) - *(5+ PRESERVED TREES)*	1.00 pt.
ENERGY CONSERVATION	
- USE CENTRAL AIR CONDITIONERS THAT ARE ENERGY STAR QUALIFIED	0.50 pt.
TRANSPORTATION	
- PROVIDE MORE BICYCLE PARKING THAN REQUIRED	0.50 pt.
RESILIENCY TO NATURAL HAZARDS	
- ELEVATE NEW AND/OR EXISTING STRUCTURES MORE THAN 3 FEET ABOVE BASE FLOOD ELEVATION	1.00 pt.
- INSTALL OPERABLE WINDOWS TO ALLOW FOR NATURAL VENTILATION IN THE EVENT OF POWER FAILURES	0.25 pt.
TOTAL :	**5.75 pt.**

N

W E

S

GRAPHIC SCALE

200 0 100 200 400

(IN FEET)
1 inch = 200 ft.

LEGEND

TREE PRESERVATION AREA

OPEN SPACE

C4.1 C4.2 C4.3 C4.4 C4.5 C4.6 C4.7 C4.8 C4.9

TRACT 'EE' TREE PRESERVATION 33.45 AC

TRACT G STORMWATER POND 6 5.16 AC

TRACT 'P' OPEN SPACE 3.39 AC

TRACT 'Q' OPEN SPACE 1.61 AC

TRACT 'DD' TREE PRESERVATION 2.42 AC

TRACT 'FF' TREE PRESERVATION 3.59 AC

TRACT 'E' STORMWATER POND 4 4.70 AC

TRACT 'F' STORMWATER POND 5 8.57 AC

TRACT 'T' OPEN SPACE 0.23 AC

TRACT 'O' OPEN SPACE 0.91 AC

TRACT 'H' 50' LANDSCAPE BUFFER 4.89 AC

TRACT 'S' OPEN SPACE 0.07 AC

TRACT 'BB' TREE PRESERVATION 8.85 AC

TRACT 'U' AMENITY TRACT 2.29 AC

TRACT 'Z' TREE PRESERVATION 10.15 AC

TRACT 'CC' TREE PRESERVATION 3.31 AC

TRACT 'J' 50' LANDSCAPE BUFFER 6.88 AC

TRACT 'AA' TREE PRESERVATION 9.17 AC

TRACT 'X' TREE PRESERVATION 3.44 AC

TRACT 'R' OPEN SPACE 0.44 AC

TRACT 'W' TREE PRESERVATION 1.04 AC

TRACT 'V' LIFT STATION 0.04 AC

TRACT 'Y' TREE PRESERVATION 3.23 AC

TRACT 'I' 50' LANDSCAPE BUFFER 3.71 AC

TRACT 'C' STORMWATER POND 2 0.81 AC

TRACT 'D' STORMWATER POND 3 4.62 AC

TRACT 'N' 25' LANDSCAPE BUFFER 0.45 AC

TRACT 'A' PRIVATE RIGHT-OF-WAY 1.3

TRACT 'B' STORMWATER POND 1 0.83 AC

TRACT 'M' 25' LANDSCAPE BUFFER 0.49 AC

TRACT 'L' 25' LANDSCAPE BUFFER 0.05 AC

TRACT 'K' 25' LANDSCAPE BUFFER 0.10 AC

ZONE A

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OVERALL GEOMETRY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/12/2026

SCALE: 1" = 200'
PROJECT: PUL-037
SHEET: C4.0

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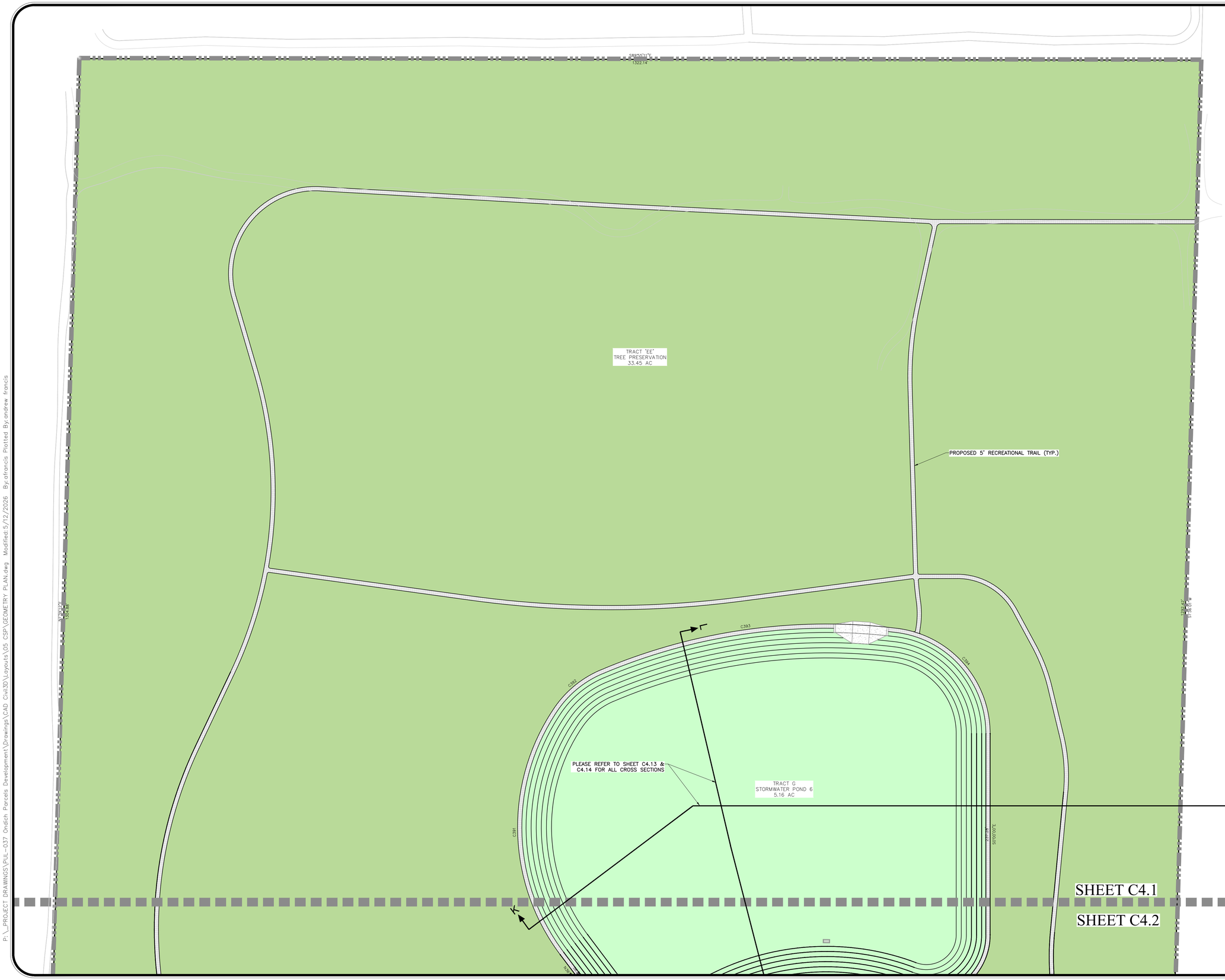
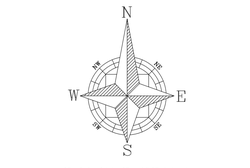
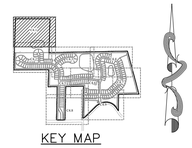




GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.



KEY MAP

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GEOMETRY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN:	L. GRAHAM
DESIGNED:	S. SIERRA-GIL
CHECKED:	L.CLASSON
DATE:	5/12/2026
SCALE:	1" = 50'
PROJECT	PUL-037
SHEET	C4.1

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SHEET C4.1

SHEET C4.2

SHEET C4.2

SHEET C4.3

PLEASE REFER TO SHEET C4.13 & C4.14 FOR ALL CROSS SECTIONS

5' RECREATIONAL TRAIL (TYP.)

5' RECREATIONAL TRAIL (TYP.)

TRACT 'P'
OPEN SPACE
3.39 AC

TRACT 'Q'
OPEN SPACE
1.61 AC

TRACT 'DD'
TREE PRESERVATION
2.42 AC

TRACT 'O'
OPEN SPACE
0.91 AC

TRACT 'H'
50' LANDSCAPE BUFFER
4.87 AC

TRACT 'S'
OPEN SPACE
0.07 AC

STREET A
50'

STREET D
50'

10' UTILITY EASEMENT

DRAINAGE EASEMENT

DRAINAGE EASEMENT

5' DRAINAGE EASEMENT (TYP.)

20' DRAINAGE EASEMENT

ADA RAMPS WITH
DETECTABLE WARNINGS (TYP.)

TYPE 'F' CURB (TYP.)

5' CONCRETE SIDEWALK (TYP.)

N
NE
E
SE
S
SW
W
NW

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

KEY MAP

NO.	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 02/12/2026	DSS
2	04/10/2026	S.JENNO COMMENTS DATED 04/10/2026	DSS
3	05/07/2026	S.JENNO COMMENTS DATED 05/07/2026	SCS

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(407) 558-2228
BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

GEOMETRY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/12/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C4.2

LUKE CLASSON
LICENSE
No 77066
STATE OF 5/12/26
FLORIDA
PROFESSIONAL ENGINEER

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N
W E
S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

KEY MAP

REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 01/14/2026	DSS
2	04/07/2026	SJRWMD COMMENTS DATED 03/07/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/12/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C4.3

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TRACT 'DD'
TREE PRESERVATION
2.42 AC

TRACT 'BB'
TREE PRESERVATION
8.75 AC

TRACT 'F'
STORMWATER POND 5
8.57 AC

STREET E

5' CONCRETE SIDEWALK (TYP.)

5' DRAINAGE EASEMENT (TYP.)

10' UTILITY EASEMENT

DRAINAGE EASEMENT

20' DRAINAGE EASEMENT

'F' TYPE CURB (TYP.)

ADA RAMPS WITH DETECTABLE WARNINGS (TYP.)

5' RECREATIONAL TRAIL (TYP.)

PROPOSED 5' RECREATIONAL TRAIL (TYP.)

PLEASE REFER TO SHEET C4.13 & C4.14 FOR ALL CROSS SECTIONS

SHEET C4.2

SHEET C4.3

SHEET C4.4

SHEET C4.3
SHEET C4.5

SHEET C4.3
SHEET C4.6

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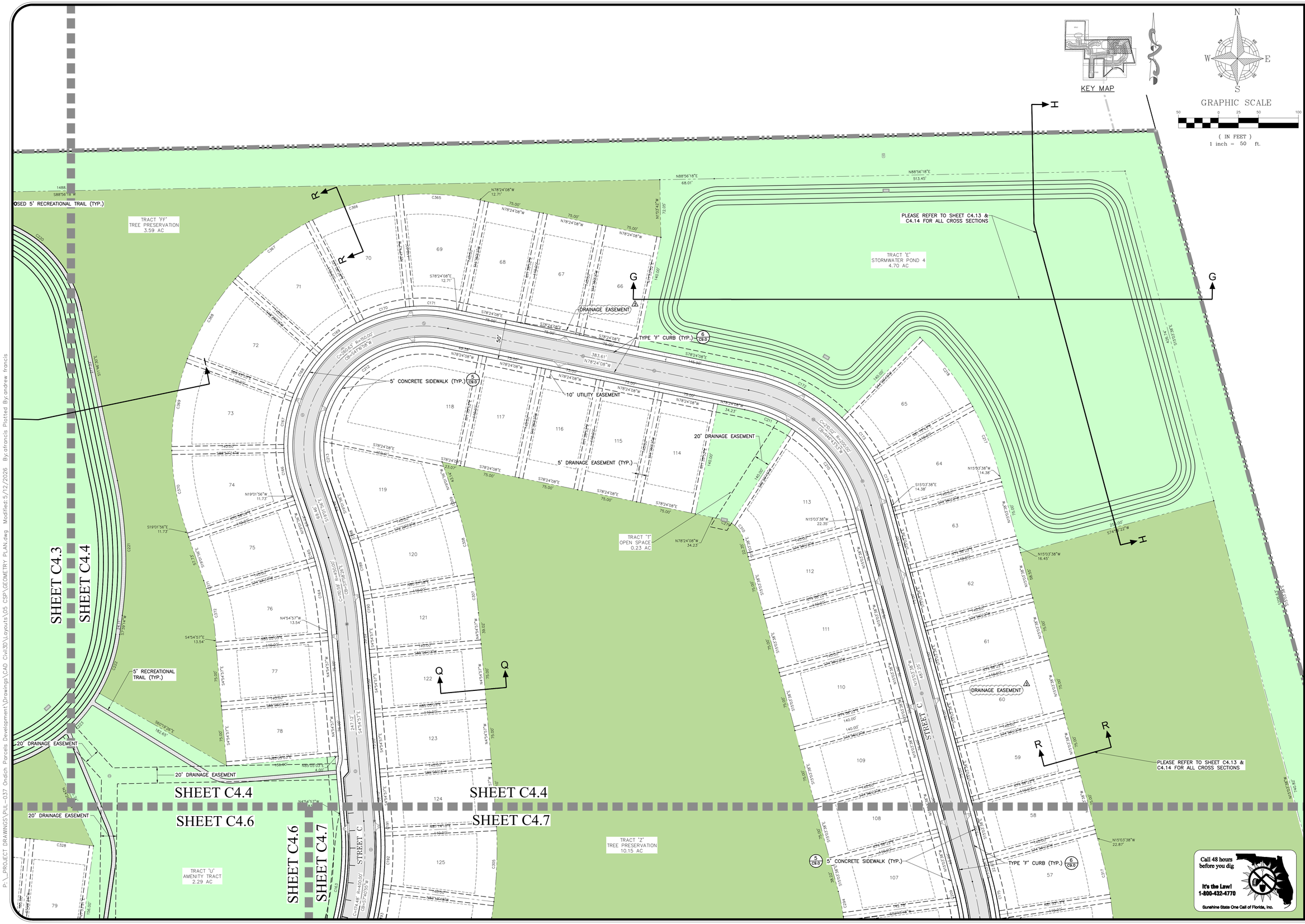

REV	DATE	DESCRIPTION	BY
1	05/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	SSS
2	04/30/2026	S.SIERRA COMMENTS DATED 04/30/2026	SSS
3	05/07/2026	S.SIERRA COMMENTS DATED 05/07/2026	SSS

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GEOMETRY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN:	L. GRAHAM
DESIGNED:	S. SIERRA-GIL
CHECKED:	L.CLASSON
DATE:	5/12/2026
SCALE	1" = 50'
PROJECT	PUL-037
SHEET	C4.4

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER
5/12/26

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SHEET C4.2
SHEET C4.5

SHEET C4.3
SHEET C4.5

SHEET C4.3
SHEET C4.6

SHEET C4.5
SHEET C4.6

SHEET C4.5
SHEET C4.8

SHEET C4.6
SHEET C4.8

TRACT 'BB'
TREE PRESERVATION
8.75 AC

TRACT 'CC'
TREE PRESERVATION
3.31 AC

TRACT 'R'
OPEN SPACE
0.44 AC

5' RECREATIONAL TRAIL (TYP.)

DRAINAGE EASEMENT

STREET A

STREET B

TYPE 'A' CURB (TYP.)

TYPE 'F' CURB (TYP.)

ADA RAMPS WITH
DETECTABLE WARNINGS (TYP.)

5' DRAINAGE EASEMENT (TYP.)

5' CONCRETE SIDEWALK (TYP.)

PLEASE REFER TO SHEET C4.13 &
C4.14 FOR ALL CROSS SECTIONS

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

KEY MAP

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REV.	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 02/12/2026	DSS
2	04/10/2026	S.JURKO COMMENTS DATED 04/10/2026	DSS
3	05/07/2026	S.JURKO COMMENTS DATED 05/07/2026	SCS

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GEOMETRY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/12/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C4.5

LUKE CLASSON
LICENSED
No 77066
STATE OF FLORIDA
5/12/26
PROFESSIONAL ENGINEER

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TRACT "BB"
CE PRESERVATION
8.75 AC

5' RECREATIONAL TRAIL (TYP.)

20' DRAINAGE EASEMENT

SHEET C4.3
SHEET C4.5
SHEET C4.6
SHEET C4.4
SHEET C4.7

TRACT "U"
AMENITY TRACT
2.29 AC

STREET C

DRAINAGE EASEMENT

BIKE RACK

MAIL KIOSK

STREET B

TYPE 'F' CURB (TYP.) 6/C9.0

5' CONCRETE SIDEWALK (TYP.) 5/C9.0

10' UTILITY EASEMENT

5' DRAINAGE EASEMENT (TYP.)

PLEASE REFER TO SHEET C4.13 & C4.14 FOR ALL CROSS SECTIONS

TRACT "X"
TREE PRESERVATION
3.44 AC

SHEET C4.8

ADA RAMPS WITH DETECTABLE WARNINGS (TYP.)

TYPE 'A' CURB (TYP.) 7/C9.0

GATED SUBDIVISION ENTRANCE

KEY MAP

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 02/4/2026	DSS
2	04/10/2026	SJRWD COMMENTS DATED 03/31/2026	DSS
3	05/07/2026	SJRWD COMMENTS DATED 05/01/2026	SCS

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GEOMETRY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/12/2026
SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C4.6

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SHEET C4.6

SHEET C4.7

SHEET C4.4

SHEET C4.7

SHEET C4.7

SHEET C4.9

PLEASE REFER TO SHEET C4.13 & C4.14 FOR ALL CROSS SECTIONS

TRACT "2"
TREE PRESERVATION
10.15 AC

TRACT "AA"
TREE PRESERVATION
9.17 AC

TRACT "J"
50' LANDSCAPE BUFFER
6.88 AC

STREET C

DRAINAGE EASEMENT

5' CONCRETE SIDEWALK (TYP.)

TYPE 'F' CURB (TYP.)

TYPE 'A' CURB (TYP.)

5' DRAINAGE EASEMENT (TYP.)

10' UTILITY EASEMENT

ADA RAMPS WITH DETECTABLE WARNINGS (TYP.)

GATED SUBDIVISION ENTRANCE

N15°03'38"W 22.87'

N46°31'45"E 17.37'

N46°31'45"E 19.99'

N89°11'55"E 761.15'

S89°11'55"W 775.31'

N

W E

S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

KEY MAP

REV	DATE	DESCRIPTION	BY
1	05/07/2026	S.SIERRA COMMENTS DATED 05/07/2026	SSC
2	04/30/2026	S.SIERRA COMMENTS DATED 04/30/2026	SSC
3	03/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	SSC

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GEOMETRY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/12/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C4.7

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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N

W E

S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

KEY MAP

SHEET C4.5
SHEET C4.8

SHEET C4.6
SHEET C4.8

SHEET C4.8
SHEET C4.9

5' CONCRETE SIDEWALK (TYP.)

TYPE 'F' CURB (TYP.)

5' DRAINAGE EASEMENT (TYP.)

10' UTILITY EASEMENT

TRACT 'I'
50' LANDSCAPE BUFFER
3.71 AC

TRACT 'C'
STORMWATER POND 2
0.81 AC

TRACT 'A'
PRIVATE RIGHT-OF-WAY
13.68 AC

TRACT 'B'
STORMWATER POND 1
0.83 AC

GATED SUBDIVISION ENTRANCE

PLEASE REFER TO SHEET C4.13 & C4.14 FOR ALL CROSS SECTIONS

TYPE 'A' CURB (TYP.)

TRACT 'L'
25' LANDSCAPE BUFFER
0.05 AC

5' CONCRETE SIDEWALK (TYP.)

ADA RAMP WITH DETECTABLE WARNINGS (TYP.)

ONDICH ROAD IMPROVEMENTS TO BE PERMITTED THROUGH ORANGE COUNTY

TRACT 'K'
25' LANDSCAPE BUFFER
0.10 AC

SITE BENCHMARK
SET 1/2" IRON ROD WITH CAP
LB#627
ELEV=63.32'

EFFIE DRIVE
60.00' RIGHT OF WAY WIDTH
(PER 1448, PG. 72, O.R.B.)

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ONDICH SOUTH
(CITY OF APOPKA PROJECT CSP-25-15)
(ORANGE COUNTY E-PERMIT 25-E-058)

REV.	DATE	DESCRIPTION	BY
1	05/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/30/2026	S.JURKO COMMENTS DATED 04/01/2026	SSS
3	03/30/2026	S.JURKO COMMENTS DATED 02/20/2026	SSS

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GEOMETRY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/12/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C4.8

LAKE CLASSON
LICENSED
No 77066
STATE OF FLORIDA
PROFESSIONAL ENGINEER
5/12/26

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N

W E

S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

KEY MAP

SHEET C4.6
SHEET C4.9

SHEET C4.7
SHEET C4.9

SHEET C4.8
SHEET C4.9

DRAINAGE EASEMENT

5' CONCRETE SIDEWALK (TYP.)

10' UTILITY EASEMENT

5' DRAINAGE EASEMENT (TYP.)

STREET C

ADA RAMPS WITH DETECTABLE WARNINGS (TYP.)

TYPE 'F' CURB (TYP.) 6 C9.0

GATED SUBDIVISION ENTRANCE

TYPE 'A' CURB (TYP.) 7 C9.0

TYPE 'F' CURB (TYP.) 6 C9.0

TYPE 'A' SPILL CURB (TYP.)

TYPE 'A' CURB (TYP.) 7 C9.0

TRACT 'W'
TREE PRESERVATION
1.04 AC

TRACT 'V'
LIFT STATION
0.04 AC

5' WALL EASEMENT

10' UTILITY EASEMENT

TRACT 'Y'
TREE PRESERVATION
3.23 AC

5' CONCRETE SIDEWALK (TYP.)

ADA RAMP WITH DETECTABLE WARNINGS (TYP.)

PLEASE REFER TO SHEET C4.13 & C4.14 FOR ALL CROSS SECTIONS

TRACT 'D'
STORMWATER POND 3
4.62 AC

ONDICH ROAD IMPROVEMENTS TO BE PERMITTED THROUGH ORANGE COUNTY

TRACT 'N'
25' LANDSCAPE BUFFER
0.45 AC

TRACT 'M'
25' LANDSCAPE BUFFER
0.49 AC

SITE BENCHMARK
SET 1/2" IRON ROD WITH CAP
LB6521
ELA=157.86'

ZONE A

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REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 02/12/2026	DSS
2	04/10/2026	S.JURNO COMMENTS DATED 04/10/2026	DSS
3	05/07/2026	S.JURNO COMMENTS DATED 05/07/2026	SCS

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GEOMETRY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/12/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C4.9

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER
5/12/26

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LOT DATA TABLE					
LOT NUMBER	LOT AREA (AC)	LOT AREA (SF)	*BUILDABLE AREA	LOT FRONTAGE	OWNER
50	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
51	0.26 AC	11,268 SF	5,894 SF	71.56 LF	PRIVATE
52	0.26 AC	11,531 SF	6,063 SF	70.72 LF	PRIVATE
53	0.26 AC	11,531 SF	6,063 SF	70.72 LF	PRIVATE
54	0.26 AC	11,531 SF	6,063 SF	70.72 LF	PRIVATE
55	0.26 AC	11,531 SF	6,063 SF	70.72 LF	PRIVATE
56	0.26 AC	11,531 SF	6,063 SF	70.72 LF	PRIVATE
57	0.26 AC	11,202 SF	5,851 SF	71.93 LF	PRIVATE
58	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
59	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
60	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
61	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
62	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
63	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
64	0.27 AC	11,872 SF	6,282 SF	68.09 LF	PRIVATE
65	0.28 AC	12,326 SF	6,573 SF	67.15 LF	PRIVATE
66	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
67	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
68	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
69	0.28 AC	12,192 SF	6,487 SF	65.83 LF	PRIVATE
70	0.29 AC	12,758 SF	6,852 SF	65.09 LF	PRIVATE
71	0.29 AC	12,758 SF	6,852 SF	65.09 LF	PRIVATE
72	0.29 AC	12,758 SF	6,852 SF	65.09 LF	PRIVATE
73	0.29 AC	12,758 SF	6,852 SF	65.09 LF	PRIVATE
74	0.28 AC	12,411 SF	6,628 SF	66.67 LF	PRIVATE
75	0.25 AC	10,765 SF	5,570 SF	80.67 LF	PRIVATE
76	0.26 AC	11,458 SF	6,016 SF	95.31 LF	PRIVATE
77	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
78	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
79	0.28 AC	12,320 SF	6,820 SF	74.08 LF	PRIVATE
80	0.28 AC	12,320 SF	6,820 SF	74.08 LF	PRIVATE
81	0.28 AC	12,320 SF	6,820 SF	74.08 LF	PRIVATE
82	0.28 AC	12,320 SF	6,820 SF	74.08 LF	PRIVATE
83	0.28 AC	12,320 SF	6,820 SF	74.08 LF	PRIVATE
84	0.28 AC	12,320 SF	6,820 SF	74.08 LF	PRIVATE
85	0.28 AC	12,256 SF	6,776 SF	74.27 LF	PRIVATE
86	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
87	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
88	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
89	0.27 AC	11,874 SF	6,504 SF	75.00 LF	PRIVATE
90	0.26 AC	11,174 SF	5,919 SF	75.00 LF	PRIVATE
91	0.24 AC	10,613 SF	5,482 SF	75.00 LF	PRIVATE
92	0.25 AC	10,884 SF	5,647 SF	83.20 LF	PRIVATE
93	0.25 AC	10,798 SF	5,592 SF	81.34 LF	PRIVATE
94	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
95	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
96	0.30 AC	12,880 SF	7,204 SF	98.10 LF	PRIVATE
97	0.31 AC	13,648 SF	7,732 SF	16.31 LF	PRIVATE
98	0.29 AC	12,676 SF	7,064 SF	92.76 LF	PRIVATE
* BUILDABLE AREA IS EQUAL TO LOT AREA MINUS THE BUILDINGS SETBACK AREA					

LOT DATA TABLE					
LOT NUMBER	LOT AREA (AC)	LOT AREA (SF)	*BUILDABLE AREA	LOT FRONTAGE	OWNER
99	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
100	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
101	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
102	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
103	0.30 AC	12,876 SF	7,201 SF	94.98 LF	PRIVATE
104	0.30 AC	13,008 SF	7,267 SF	102.42 LF	PRIVATE
105	0.29 AC	12,768 SF	7,050 SF	103.12 LF	PRIVATE
106	0.28 AC	12,316 SF	6,662 SF	103.33 LF	PRIVATE
107	0.26 AC	11,162 SF	5,820 SF	88.58 LF	PRIVATE
108	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
109	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
110	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
111	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
112	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
113	0.32 AC	14,018 SF	7,661 SF	151.99 LF	PRIVATE
114	0.24 AC	10,500 SF	6,527 SF	113.06 LF	PRIVATE
115	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
116	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
117	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
118	0.48 AC	21,056 SF	10,625 SF	75.18 LF	PRIVATE
119	0.31 AC	13,520 SF	7,312 SF	132.98 LF	PRIVATE
120	0.26 AC	11,430 SF	5,998 SF	71.16 LF	PRIVATE
121	0.25 AC	10,947 SF	5,687 SF	73.16 LF	PRIVATE
122	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
123	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
124	0.25 AC	10,736 SF	5,552 SF	74.06 LF	PRIVATE
125	0.26 AC	11,531 SF	6,063 SF	70.72 LF	PRIVATE
126	0.26 AC	11,531 SF	6,063 SF	70.72 LF	PRIVATE
127	0.25 AC	10,928 SF	5,675 SF	76.58 LF	PRIVATE
128	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
129	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
130	0.28 AC	12,186 SF	6,728 SF	79.62 LF	PRIVATE
131	0.30 AC	13,116 SF	7,367 SF	104.21 LF	PRIVATE
132	0.30 AC	13,116 SF	7,367 SF	104.21 LF	PRIVATE
133	0.30 AC	13,116 SF	7,367 SF	104.21 LF	PRIVATE
134	0.30 AC	13,116 SF	7,367 SF	104.21 LF	PRIVATE
135	0.30 AC	13,116 SF	7,367 SF	104.21 LF	PRIVATE
136	0.29 AC	12,681 SF	7,068 SF	92.80 LF	PRIVATE
137	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
138	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
139	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
140	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
141	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
142	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
143	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
144	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
145	0.28 AC	12,000 SF	6,600 SF	75.00 LF	PRIVATE
146	0.29 AC	12,800 SF	7,150 SF	72.62 LF	PRIVATE
147	0.31 AC	13,622 SF	7,715 SF	70.17 LF	PRIVATE
* BUILDABLE AREA IS EQUAL TO LOT AREA MINUS THE BUILDINGS SETBACK AREA					

LOT DATA TABLE					
LOT NUMBER	LOT AREA (AC)	LOT AREA (SF)	*BUILDABLE AREA	LOT FRONTAGE	OWNER
148	0.31 AC	13,622 SF	7,715 SF	70.17 LF	PRIVATE
149	0.32 AC	14,080 SF	7,983 SF	99.13 LF	PRIVATE
150	0.35 AC	15,369 SF	8,799 SF	80.24 LF	PRIVATE
151	0.45 AC	19,474 SF	11,737 SF	46.77 LF	PRIVATE
152	0.43 AC	18,943 SF	11,372 SF	45.57 LF	PRIVATE
153	0.49 AC	21,211 SF	12,918 SF	38.16 LF	PRIVATE
154	0.34 AC	14,695 SF	8,452 SF	66.74 LF	PRIVATE
155	0.29 AC	12,598 SF	7,005 SF	75.58 LF	PRIVATE
156	0.30 AC	12,893 SF	7,117 SF	111.36 LF	PRIVATE
157	0.27 AC	11,753 SF	6,226 SF	98.84 LF	PRIVATE
158	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
159	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
160	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
161	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
162	0.31 AC	13,566 SF	7,473 SF	97.87 LF	PRIVATE
163	0.24 AC	10,426 SF	5,478 SF	58.53 LF	PRIVATE
164	0.43 AC	18,635 SF	10,359 SF	39.52 LF	PRIVATE
165	0.42 AC	18,357 SF	10,176 SF	39.11 LF	PRIVATE
166	0.24 AC	10,329 SF	5,452 SF	56.42 LF	PRIVATE
167	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
168	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
169	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
170	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
171	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
172	0.25 AC	11,096 SF	5,783 SF	72.47 LF	PRIVATE
173	0.26 AC	11,531 SF	6,063 SF	70.72 LF	PRIVATE
174	0.26 AC	11,154 SF	5,821 SF	72.32 LF	PRIVATE
175	0.26 AC	11,347 SF	5,944 SF	71.51 LF	PRIVATE
176	0.26 AC	11,347 SF	5,944 SF	71.51 LF	PRIVATE
177	0.26 AC	11,347 SF	5,944 SF	71.51 LF	PRIVATE
178	0.26 AC	11,347 SF	5,944 SF	71.51 LF	PRIVATE
179	0.26 AC	11,347 SF	5,944 SF	71.51 LF	PRIVATE
180	0.25 AC	11,092 SF	5,781 SF	72.58 LF	PRIVATE
181	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
182	0.24 AC	10,500 SF	5,400 SF	75.00 LF	PRIVATE
183	0.32 AC	13,728 SF	7,475 SF	47.13 LF	PRIVATE
184	0.37 AC	15,945 SF	8,895 SF	41.56 LF	PRIVATE
185	0.36 AC	15,619 SF	8,686 SF	40.59 LF	PRIVATE
186	0.35 AC	15,147 SF	8,386 SF	45.08 LF	PRIVATE
187	0.30 AC	12,900 SF	6,976 SF	136.03 LF	PRIVATE
188	0.25 AC	10,920 SF	5,661 SF	83.46 LF	PRIVATE
189	0.26 AC	11,499 SF	6,042 SF	96.33 LF	PRIVATE
190	0.26 AC	11,499 SF	6,042 SF	96.33 LF	PRIVATE
191	0.26 AC	11,499 SF	6,042 SF	96.33 LF	PRIVATE
192	0.26 AC	11,447 SF	6,009 SF	95.23 LF	PRIVATE
193	0.26 AC	11,531 SF	6,063 SF	70.72 LF	PRIVATE
194	0.26 AC	11,531 SF	6,063 SF	70.72 LF	PRIVATE
195	0.26 AC	11,531 SF	6,063 SF	70.72 LF	PRIVATE
196	0.25 AC	10,683 SF	5,518 SF	74.27 LF	PRIVATE
* BUILDABLE AREA IS EQUAL TO LOT AREA MINUS THE BUILDINGS SETBACK AREA					

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Sunshine State One Call of Florida, Inc.

REV.	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 02/12/2026	SSS
2	04/10/2026	SJRWMD COMMENTS DATED 04/10/2026	SSS
3	05/05/2026	SJRWMD COMMENTS DATED 05/05/2026	SSS

1828 ENGINEERING
2400 MAITLAND CENTER PKWY, SUITE 107
MAITLAND, FLORIDA 32751
(407) 558-2228
BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

LOT DATA TABLES
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/6/2026

SCALE: N.T.S.
PROJECT: PUL-037
SHEET: C4.10

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

This item has been digitally signed and sealed by Luke M. Classon, PE on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\CURVE, LINE, & LOT DATA TABLES.dwg Modified:4/7/2026 By:osanchez Plotted By:andrew.francis

Curve Table				
Curve #		Chord Length	Chord Direction	Radius
C1	28.93	28.20'	S21°21'32"E	37.00'
C3	28.46	27.94'	S24°48'11"E	43.00'
C4	26.75	26.74'	S9°01'28"E	241.00'
C5	26.99	26.55'	S5°46'44"W	43.00'
C7	29.69	28.90'	S0°46'37"W	37.00'
C10	22.30	20.30'	S64°47'52"E	15.00'
C11	83.82	83.75'	S68°28'22"W	580.07'
C13	1.16	1.16'	N22°06'31"W	337.00'
C14	31.88	31.87'	N19°17'58"W	337.00'
C15	103.71	103.30'	N7°46'22"W	337.00'
C16	18.85	16.97'	N43°57'23"W	12.00'
C17	104.72	86.60'	N61°02'37"E	50.00'
C18	42.62	41.34'	S34°32'11"E	50.00'
C19	16.51	15.24'	S49°32'11"E	12.00'
C20	18.85	16.97'	N46°02'37"E	12.00'
C21	195.11	194.82'	N6°29'49"E	1025.00'
C22	18.48	16.71'	N32°09'56"W	12.00'
C23	17.08	17.08'	N76°31'43"W	1980.00'
C24	79.20	79.20'	N77°55'18"W	1980.00'
C25	79.20	79.20'	N80°12'49"W	1980.00'

Curve Table				
Curve #		Chord Length	Chord Direction	Radius
C26	79.20	79.20'	N82°30'20"W	1980.00'
C27	79.20	79.20'	N84°47'51"W	1980.00'
C28	79.20	79.20'	N87°05'22"W	1980.00'
C29	79.20	79.20'	N89°22'52"W	1980.00'
C30	79.20	79.20'	S88°19'37"W	1980.00'
C31	79.20	79.20'	S86°02'06"W	1980.00'
C32	53.18	53.18'	S84°07'10"W	1980.00'
C33	1.93	1.93'	S83°24'16"W	1020.00'
C34	73.18	73.17'	S85°30'51"W	1020.00'
C35	65.87	65.85'	S89°25'10"W	1020.00'
C36	18.85	16.97'	S46°16'10"W	12.00'
C37	34.19	34.14'	S4°19'41"E	175.00'
C38	80.05	79.35'	S23°01'45"E	175.00'
C39	210.40	207.06'	S18°24'17"E	340.00'
C42	160.89	158.34'	N18°24'17"W	260.00'
C44	179.52	176.35'	N17°25'54"W	275.00'
C45	9.11	8.89'	N20°28'33"W	12.00'
C46	59.21	53.68'	N1°16'10"E	39.00'
C47	7.50	7.38'	N26°51'10"E	12.00'
C48	1.61	1.61'	N5°06'28"E	12.00'

Curve Table				
Curve #		Chord Length	Chord Direction	Radius
C49	16.20	16.20'	N0°01'54"E	375.00'
C50	104.21	103.87'	N9°10'00"W	375.00'
C51	104.21	103.87'	N25°05'17"W	375.00'
C52	104.21	103.87'	N41°00'34"W	375.00'
C53	104.21	103.87'	N56°55'51"W	375.00'
C54	104.21	103.87'	N72°51'08"W	375.00'
C55	63.50	63.42'	N85°39'50"W	375.00'
C56	34.60	34.59'	N87°52'18"W	375.00'
C57	70.17	70.07'	N79°52'03"W	375.00'
C58	70.17	70.07'	N69°08'48"W	375.00'
C59	99.13	98.84'	N56°12'48"W	375.00'
C60	2.23	2.23'	N51°11'42"W	25.00'
C61	28.38	26.88'	N86°16'04"W	25.00'
C62	51.86	49.57'	N89°04'14"W	50.00'
C63	46.77	45.09'	N32°33'18"W	50.00'
C64	45.57	44.01'	N20°21'19"E	50.00'
C65	38.16	37.24'	N68°19'39"E	50.00'
C66	20.58	20.43'	S78°01'17"E	50.00'
C67	15.69	15.63'	S57°14'28"E	50.00'
C70	75.58	75.41'	S54°54'45"E	325.00'

Curve Table				
Curve #		Chord Length	Chord Direction	Radius
C71	111.36	110.81'	S71°23'27"E	325.00'
C72	52.80	52.74'	S85°51'39"E	325.00'
C77	18.85	16.97'	N44°29'06"E	12.00'
C82	16.51	15.24'	N39°56'06"W	12.00'
C83	39.68	38.65'	N56°37'13"W	50.00'
C84	58.53	55.24'	N0°21'08"W	50.00'
C85	39.52	38.50'	N55°49'20"E	50.00'
C86	20.14	20.00'	N90°00'00"E	50.00'
C87	39.11	38.12'	S56°03'20"E	50.00'
C88	28.91	28.51'	S17°04'54"E	50.00'
C94	18.85	16.97'	S45°30'54"E	12.00'
C99	41.20	41.18'	S87°44'17"E	425.00'
C100	70.72	70.64'	S80°11'39"E	425.00'
C101	138.90	138.28'	S66°03'53"E	425.00'
C102	17.76	16.19'	N80°53'26"E	12.00'
C105	55.18	55.15'	N41°27'29"E	525.00'
C106	71.51	71.46'	N48°22'16"E	525.00'
C107	71.51	71.46'	N56°10'33"E	525.00'
C108	71.51	71.46'	N63°58'49"E	525.00'
C109	71.51	71.46'	N71°47'06"E	525.00'

Curve Table				
Curve #		Chord Length	Chord Direction	Radius
C110	71.51	71.46'	N79°35'22"E	525.00'
C111	49.91	49.89'	N86°12'54"E	525.00'
C116	36.38	35.58'	S70°13'06"E	50.00'
C117	41.56	40.38'	S25°33'44"E	50.00'
C118	20.14	20.00'	S9°47'16"W	50.00'
C119	40.59	39.49'	S44°34'57"W	50.00'
C120	45.08	43.57'	N86°19'48"W	50.00'
C121	42.13	40.90'	N36°21'40"W	50.00'
C122	16.51	15.24'	N51°38'30"W	12.00'
C125	38.25	38.24'	S86°37'54"W	475.00'
C126	96.33	96.17'	S78°30'54"W	475.00'
C127	96.33	96.17'	S66°53'43"W	475.00'
C128	96.33	96.17'	S55°16'32"W	475.00'
C129	91.35	91.21'	S43°57'23"W	475.00'
C132	17.89	16.28'	S4°16'13"E	12.00'
C133	133.44	132.89'	S37°59'35"E	425.00'
C134	70.72	70.64'	S24°13'53"E	425.00'
C135	70.72	70.64'	S14°41'51"E	425.00'
C136	70.72	70.64'	S5°09'49"E	425.00'
C137	12.36	12.36'	S0°26'11"W	425.00'

Curve Table				
Curve #		Chord Length	Chord Direction	Radius
C140	18.85	16.97'	S43°43'50"E	12.00'
C143	58.38	58.37'	N89°32'43"E	970.00'
C144	75.69	75.67'	N85°35'08"E	970.00'
C153	59.12	59.12'	N84°11'04"E	2030.00'
C154	74.08	74.08'	N86°03'51"E	2030.00'
C155	74.08	74.08'	N88°09'18"E	2030.00'
C156	74.08	74.08'	S89°45'14"E	2030.00'
C157	74.08	74.08'	S87°39'47"E	2030.00'
C158	74.08	74.08'	S85°34'20"E	2030.00'
C159	74.08	74.08'	S83°28'52"E	2030.00'
C160	218.48	218.37'	S79°21'31"E	2034.00'
C161	12.24	11.08'	N59°52'45"E	8.00'
C162	76.15	76.13'	N18°09'35"E	1029.00'
C163	163.15	161.83'	N7°40'55"E	371.00'
C164	81.77	81.65'	N10°25'40"W	425.00'
C165	22.94	22.94'	N17°29'09"W	425.00'
C166	54.94	54.72'	N10°02'16"W	175.00'
C167	65.09	64.72'	N9°36'45"E	175.00'
C168	65.09	64.72'	N30°55'29"E	175.00'
C169	65.09	64.72'	N52°14'13"E	175.00'

Curve Table				
Curve #		Chord Length	Chord Direction	Radius
C170	65.09	64.72'	N73°32'56"E	175.00'
C171	53.12	52.92'	S87°05'55"E	175.00'
C172	127.88	126.17'	S62°07'11"E	225.00'
C173	67.15	66.90'	S37°17'16"E	225.00'
C174	53.71	53.58'	S21°53'57"E	225.00'
C175	49.06	49.03'	S11°45'12"E	425.00'
C176	70.72	70.64'	S3°40'46"E	425.00'
C177	70.72	70.64'	S5°51'16"W	425.00'
C178	70.72	70.64'	S15°23'18"W	425.00'
C179	70.72	70.64'	S24°55'20"W	425.00'
C180	70.72	70.64'	S34°27'22"W	425.00'
C181	54.19	54.16'	S42°52'34"W	425.00'
C182	28.84	28.83'	S48°53'22"W	350.00'
C183	69.84	69.72'	S56°57'58"W	350.00'
C184	69.84	69.72'	S68°23'55"W	350.00'
C185	69.84	69.72'	S79°49'52"W	350.00'
C186	33.58	33.56'	S88°17'44"W	350.00'
C187	18.85	16.97'	S46°02'37"W	12.00'
C188	11.73	11.73'	S18°19'28"E	475.00'
C189	71.16	71.09'	S13°19'31"E	475.00'

Curve Table				
Curve #		Chord Length	Chord Direction	Radius
C190	34.14	34.13'	S6°58'29"E	475.00'
C191	15.96	15.96'	S3°50'24"E	425.00'
C192	70.72	70.64'	S2°00'11"W	425.00'
C193	70.72	70.64'	S11°32'13"W	425.00'
C194	29.49	29.49'	S18°17'30"W	425.00'
C195	47.09	47.08'	S18°53'47"W	975.00'
C196	24.82	24.81'	S16°47'01"W	975.00'
C197	9.33	9.09'	S6°12'28"E	12.00'
C198	57.82	52.67'	S14°00'18"W	39.00'
C199	9.33	9.09'	S34°13'05"W	12.00'
C200	185.69	185.41'	S6°29'59"W	975.00'
C201	18.85	16.97'	S43°57'23"E	12.00'
C202	66.00	65.87'	N84°44'27"E	300.00'
C203	116.31	115.59'	N67°19'50"E	300.00'
C204	50.76	50.70'	N51°22'34"E	300.00'
C205	75.55	75.43'	N40°45'26"E	375.00'
C206	102.42	102.10'	N27°09'41"E	375.00'
C207	103.12	102.79'	N11°27'35"E	375.00'
C208	103.33	103.01'	N4°18'43"W	375.00'
C209	18.68	18.68'	N13°37'59"W	375.00'

Curve Table				
Curve #		Chord Length	Chord Direction	Radius
C210	129.64	126.69'	N36°16'56"W	175.00'
C211	63.83	63.48'	N67°57'11"W	175.00'
C212	211.39	187.08'	S53°09'07"W	125.00'
C213	51.79	51.42'	S7°09'47"E	125.00'
C214	208.92	207.89'	S54°35'05"W	605.07'
C216	96.49	96.39'	S49°23'14"W	620.92'
C217	87.13	86.93'	N21°53'57"W	365.00'
C218	108.93	108.53'	N37°17'16"W	365.00'
C219	223.62	203.48'	N44°25'58"E	150.00'
C220	212.28	195.00'	S52°19'00"E	150.00'
C221	169.55	168.74'	S2°03'38"E	500.00'
C222	78.30	181.52'	S18°52'10"W	200.00'
C223	93.19	92.35'	S43°26'00"W	200.00'
C224	125.92	205.51'	S74°49'05"W	200.00'
C225	207.63	207.55'	N89°46'16"W	2265.00'
C226	207.81	198.58'	N62°37'51"W	200.00'
C227	128.51	119.84'	N4°39'08"E	100.00'
C228	138.73	135.96'	N21°35'42"E	200.00'
C236	36.41	36.36'	S85°39'50"E	215.00'
C237	2.37	2.37'	S80°29'47"E	215.00'

Curve Table				
Curve #		Chord Length	Chord Direction	Radius
C238	60.63	60.60'	S56°38'10"W	620.92'
C240	486.19	486.18'	S14°27'01"E	22824.00'
C241	8.65	8.65'	S13°45'27"E	3006.00'
C242	430.86	430.85'	N14°31'07"W	22774.00'
C247	199.00	198.03'	S54°30'18"W	580.07'
C248	178.61	178.04'	S52°52'01"W	645.92'
C249	165.79	165.23'	S80°48'00"W	580.07'
C250	188.81	188.05'	N80°02'53"E	605.07'
C251	470.19	450.91'	S62°24'44"E	470.98'
C252	445.29	427.03'	N62°24'30"W	445.98'
C253	26.77	26.75'	S2°03'01"E	210.00'
C254	196.65	189.54'	S32°31'42"E	210.00'
C255	80.89	80.39'	S70°23'21"E	210.00'
C256	30.43	30.40'	S77°03'52"E	200.00'
C257	42.49	42.41'	S66°37'08"E	200.00'
C258	30.38	30.38'	S62°09'33"E	535.00'
C259	100.11	99.96'	S69°08'48"E	535.00'
C260	100.11	99.96'	S79°52'03"E	535.00'
C261	49.37	49.35'	S87°52'18"E	535.00'
C265	55.73	55.55'	N82°31'56"W	200.00'

Curve Table				
Curve #		Chord Length	Chord Direction	Radius
C266	58.69	58.48'	N66°08'35"W	200.00'
C267	33.11	33.08'	N52°59'36"W	200.00'
C270	65.91	65.64'	N57°14'28"W	210.00'
C271	226.63	215.79'	S77°23'09"W	210.00'
C272	164.45	160.28'	S24°02'06"W	210.00'
C273	2.74	2.74'	S14°22'30"W	190.00'
C274	48.01	47.88'	S6°43'24"W	190.00'
C277	48.01	47.88'	N7°45'12"W	190.00'
C278	2.59	2.59'	N15°22'56"W	190.00'
C279	12.77	12.70'	N67°57'11"W	35.00'
C280	48.89	48.88'	N84°07'10"E	1820.00'
C281	72.80	72.80'	N86°02'06"E	1820.00'
C282	72.80	72.80'	N88°19'37"E	1820.00'
C283	72.80	72.80'	S89°22'52"E	1820.00'
C284	72.80	72.80'	S87°05'22"E	1820.00'
C285	72.80	72.80'	S84°47'51"E	1820.00'
C286	72.80	72.80'	S82°30'20"E	1820.00'
C287	72.80	72.80'	S80°12'49"E	1820.00'
C288	72.80	72.80'	S77°55'18"E	1820.00'
C289	47.01	46.99'	N88°17'44"E	490.00'

Curve Table				
Curve #		Chord Length	Chord Direction	Radius
C290	97.77	97.61'	N79°49'52"E	490.00'
C291	97.77	97.61'	N68°23'55"E	490.00'
C292	97.77	97.61'	N56°57'58"E	490.00'
C293	40.37	40.36'	N48°53'22"E	490.00'
C294	32.14	32.12'	S11°22'40"E	250.00'
C295	64.97	64.79'	S0°14'58"E	250.00'
C296	63.87	63.69'	S14°30'52"W	250.00'
C297	62.79	62.63'	S29°01'44"W	250.00'
C298	44.96	44.90'	S41°22'37"W	250.00'
C299	23.69	23.66'	S51°22'34"W	140.00'
C300	54.28	53.94'	S67°19'50"W	140.00'
C301	30.80	30.74'	S84°44'27"W	140.00'
C302	40.33	40.32'	N18°53'47"E	835.00'
C303	39.21	39.20'	N18°17'30"E	565.00'
C304	94.01	93.91'	N11°32'13"E	565.00'
C305	94.01	93.91'	N2°00'11"E	565.00'
C306	21.22	21.22'	N3°50'24"W	565.00'
C307	44.20	44.19'	N6°58'29"W	615.00'
C308	92.13	92.04'	N13°19'31"W	615.00'
C309	15.19	15.19'	N18°19'28"W	615.00'

Curve Table				
Curve #		Chord Length	Chord Direction	Radius
C310	25.93	25.34'	S36°16'56"E	35.00'
C311	72.05	72.00'	N42°52'34"E	565.00'
C312	94.01	93.91'	N34°27'22"E	565.00'
C313	94.01	93.91'	N24°55'20"E	565.00'
C314	94.01	93.91'	N15°23'18"E	565.00'
C315	94.01	93.91'	N5°51'16"E	565.00'
C316	94.01	93.91'	N3°40'46"W	565.00'
C317	65.22	65.19'	N11°45'12"W	565.00'
C318	64.42	64.32'	N43°57'23"E	335.00'
C319	67.94	67.82'	N55°16'32"E	335.00'
C320	67.94	67.82'	N66°53'43"E	335.00'
C321	67.94	67.82'	N78°30'54"E	335.00'
C322	26.97	26.97'	N86°37'54"E	335.00'
C323	24.83	24.77'	S83°56'53"E	100.00'
C324	34.77	34.59'	S66°52'25"E	100.00'
C325	11.90	11.89'	S58°42'25"E	190.00'
C326	171.31	165.56'	S86°19'48"E	190.00'
C327	182.51	175.57'	N40°19'21"E	190.00'
C328	79.92	79.92'	N83°28'52"W	2190.00'
C329	79.92	79.92'	N85°34'20"W	2190.00'

Curve Table				
Curve #		Chord Length	Chord Direction	Radius
C330	79.92	79.92'	N87°39'47"W	2190.00'
C331	79.92	79.92'	N89°45'14"W	2190.00'
C332	79.92	79.92'	S88°09'18"W	2190.00'
C333	79.92	79.92'	S86°03'51"W	2190.00'
C334	63.78	63.78'	S84°11'04"W	2190.00'
C335	72.53	72.46'	S79°11'41"W	500.00'
C336	14.29	14.29'	S74°13'13"W	500.00'
C337	61.47	61.46'	S75°31'23"W	830.00'
C338	75.14	75.11'	S80°14'18"W	830.00'
C339	72.28	72.26'	S85°19'35"W	830.00'
C340	49.95	49.95'	S89°32'43"W	830.00'
C342	16.43	16.43'	N0°26'11"E	565.00'
C343	94.01	93.91'	N5°09'49"W	565.00'
C344	94.01	93.91'	N14°41'51"W	565.00'
C345	94.01	93.91'	N24°13'53"W	565.00'
C346	57.37	57.20'	S72°32'09"E	215.00'
C347	59.74	59.55'	S56°55'51"E	215.00'
C348	59.74	59.55'	S41°00'34"E	215.00'
C349	59.74	59.55'	S25°05'17"E	215.00'
C350	59.74	59.55'	S9°10'00"E	215.00'

Curve Table				
Curve #		Chord Length	Chord Direction	Radius
C351	9.29	9.29'	S0°01'54"W	215.00'
C352	94.01	93.91'	N80°11'39"W	565.00'
C353	54.77	54.75'	N87°44'17"W	565.00'
C354	63.21	63.19'	S86°12'54"W	665.00'
C355	90.58	90.51'	S79°35'22"W	665.00'
C356	90.58	90.51'	S71°47'06"W	665.00'
C357	90.58	90.51'	S63°58'49"W	665.00'
C358	90.58	90.51'	S56°10'33"W	665.00'
C359	90.58	90.51'	S48°22'16"W	665.00'
C360	69.89	69.86'	S41°27'29"W	665.00'
C362	239.41	223.88'	S50°53'09"W	190.00'
C363	236.14	221.24'	N51°22'40"W	190.00'
C364	138.24	135.21'	N70°13'06"W	190.00'
C365	95.62	95.26'	N87°05'55"W	315.00'
C366	117.17	116.50'	S73°32'56"W	315.00'
C367	117.17	116.50'	S52°14'13"W	315.00'
C368	117.17	116.50'	S30°55'29"W	315.00'
C369	117.17	116.50'	S9°36'45"W	315.00'
C370	98.90	98.49'	S10°02'16"E	315.00'
C371	15.38	15.38'	S17°29'09"E	285.00'

Curve Table				
Curve #		Chord Length	Chord Direction	Radius
C372	54.83	54.75'	S10°25'40"E	285.00'
C373	186.19	178.83'	N21°18'08"W	190.00'

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(407) 558-2228
BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 01/14/2026	DSS
2	04/10/2026	SJRWMD COMMENTS DATED 03/31/2026	DSS
3	05/05/2026	SJRWMD COMMENTS DATED 05/01/2026	SKS

CURVE TABLES
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/6/2026

SCALE: N.T.S.
PROJECT: PUL-037
SHEET: C4.11

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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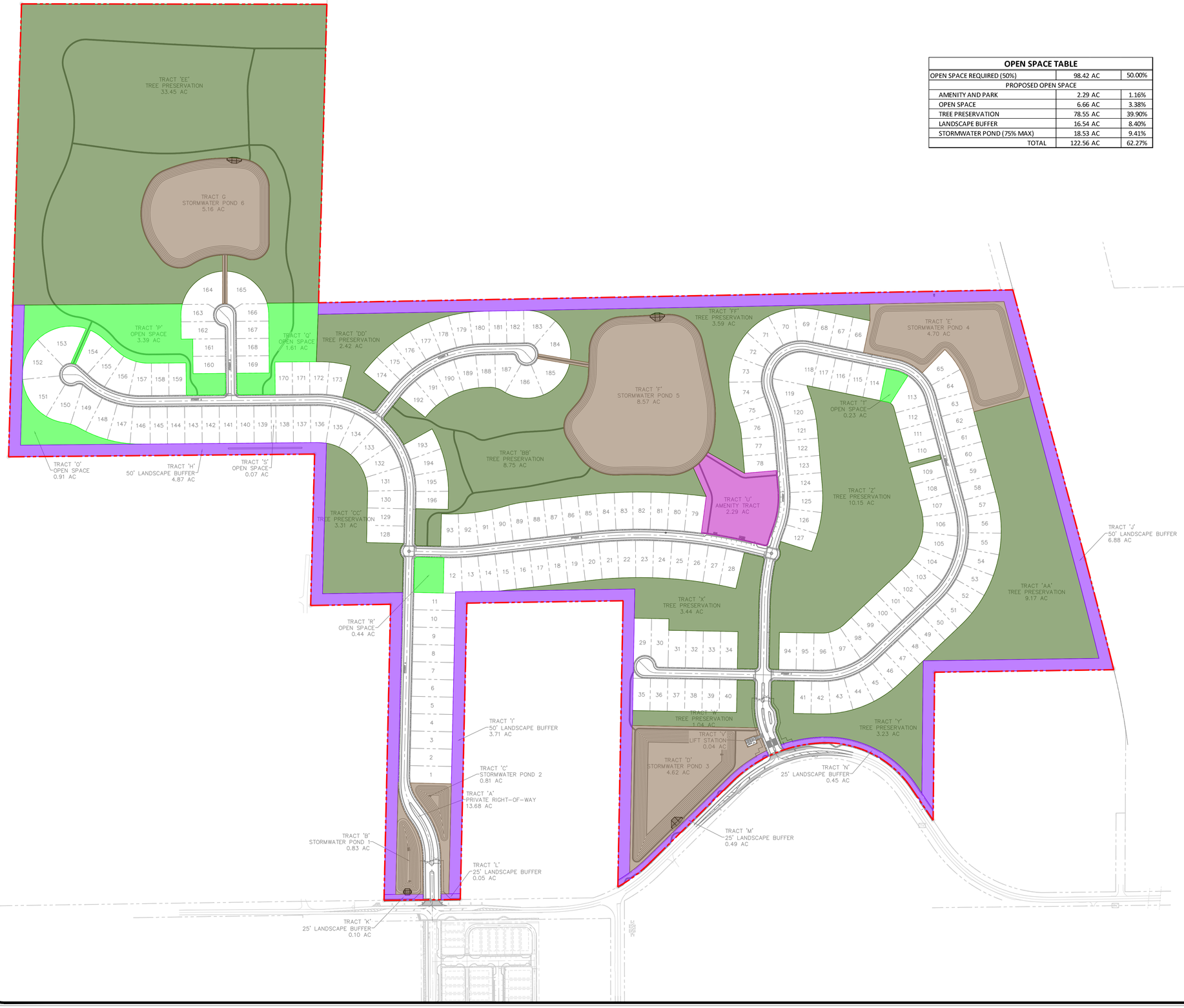
P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\CURVE, LINE, & LOT DATA TABLES.dwg Modified:4/7/2026 By:osanchez Plotted By:andrew francis



OPEN SPACE TABLE		
OPEN SPACE REQUIRED (50%)	98.42 AC	50.00%
PROPOSED OPEN SPACE		
AMENITY AND PARK	2.29 AC	1.16%
OPEN SPACE	6.66 AC	3.38%
TREE PRESERVATION	78.55 AC	39.90%
LANDSCAPE BUFFER	16.54 AC	8.40%
STORMWATER POND (75% MAX)	18.53 AC	9.41%
TOTAL	122.56 AC	62.27%

N

W E

S

GRAPHIC SCALE

200 0 100 200 400

(IN FEET)
1 inch = 200 ft.

LEGEND

- PROPERTY BOUNDARY
- AMENITY AND PARK
- OPEN SPACE
- TREE PRESERVATION
- LANDSCAPE BUFFER
- STORMWATER PONDS (75% MAX)

NOTES:

1. PER THE APPROVED PD ZONING ORDINANCE #3117 THE PARK AMENITIES SHALL INCLUDE A CABANA WITH RESTROOMS, A SWIMMING POOL, AND A COVERED MAILBOX KIOSK AT A MINIMUM. THE SWIMMING POOL SHALL MEET MINIMUM SIZING REQUIREMENTS BASED ON THE FLORIDA BUILDING CODE. DOCUMENTATION/CALCULATIONS THAT THE PROPOSED POOL SIZE AND DECK COMPLIES WITH STATE HELATH STANDARDS WILL BE PROVIDED AT THE BUILDING PERMIT APPLICATION.

REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/07/2026	SJRWMD COMMENTS DATED 04/07/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

OPEN SPACE PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 200'
PROJECT: PUL-037
SHEET: C4.12

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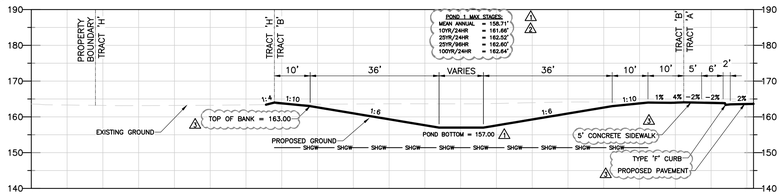
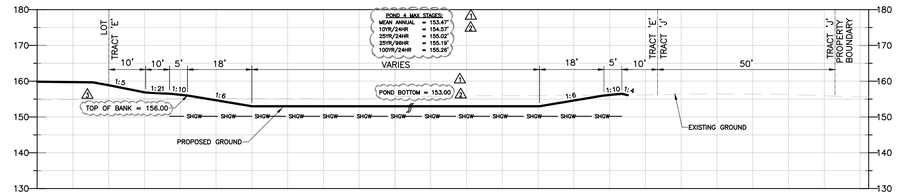
P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\OPEN SPACE PLAN.dwg Modified:4/22/2026 By:afrancis Plotted By:andrew francis



SECTION A-A

N.T.S.



SECTION G-G

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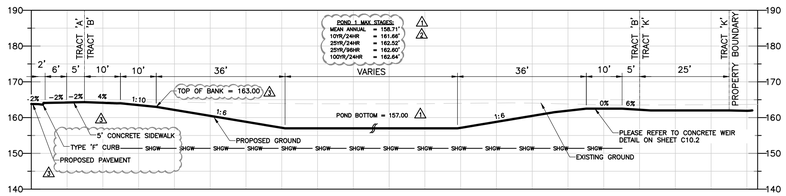

SECTION B-B

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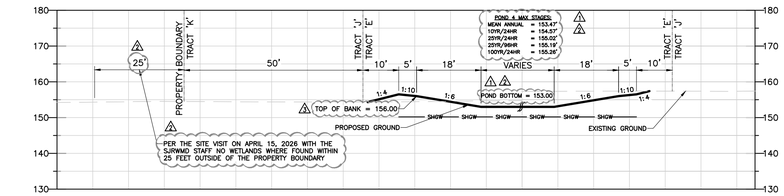

SECTION H-H

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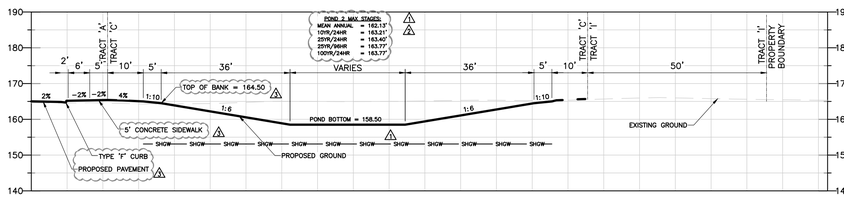

SECTION C-C

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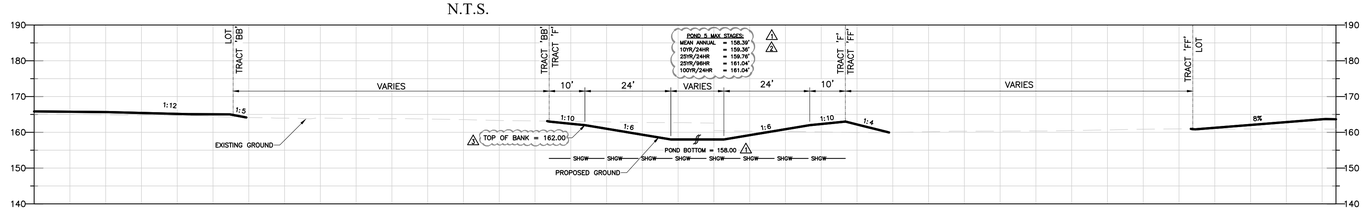

SECTION I-I

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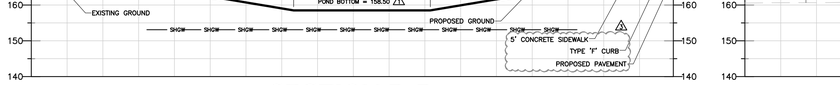

SECTION D-D

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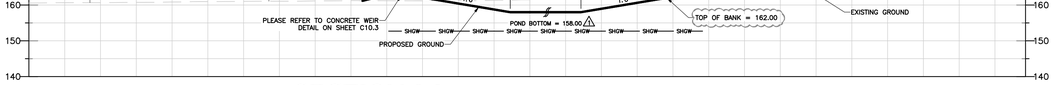

SECTION J-J

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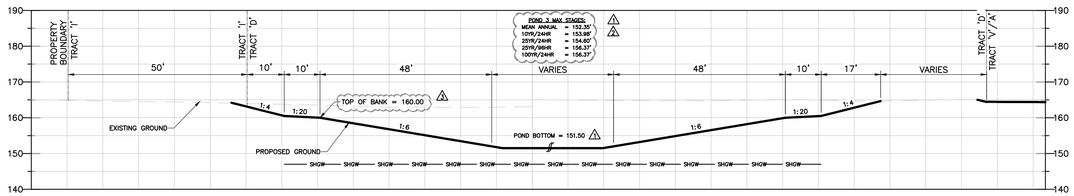

SECTION E-E

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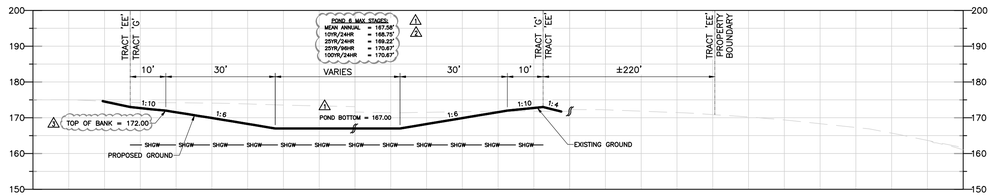

SECTION K-K

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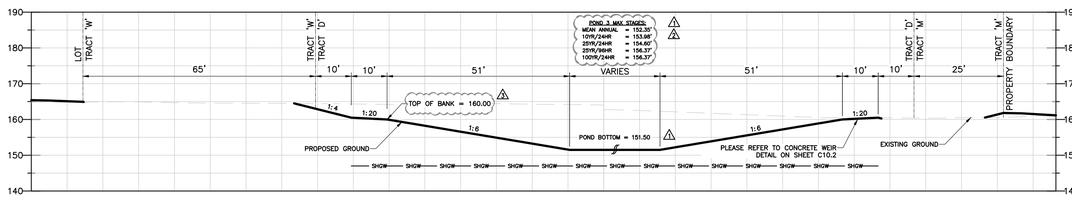

SECTION F-F

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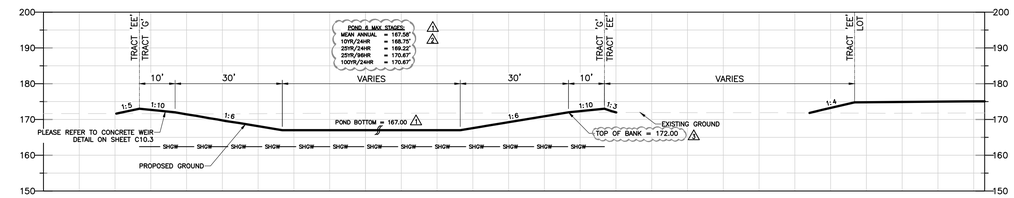
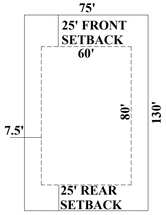


SECTION L-L

N.T.S.

TYPICAL 75' LOT SIZE/PROPOSED BUILDABLE AREA



REV.	DATE	DESCRIPTION	BY
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2	04/30/2026	SJRWMD COMMENTS DATED 04/30/2026	SSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SSS

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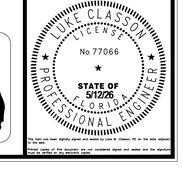
MAITLAND, FLORIDA 32751
(407) 558-2228

CROSS SECTIONS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/20/2026

SCALE: N.T.S.
PROJECT: PUL-037
SHEET: C4.13



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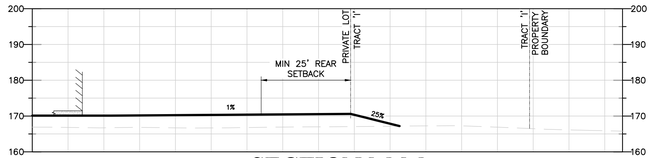

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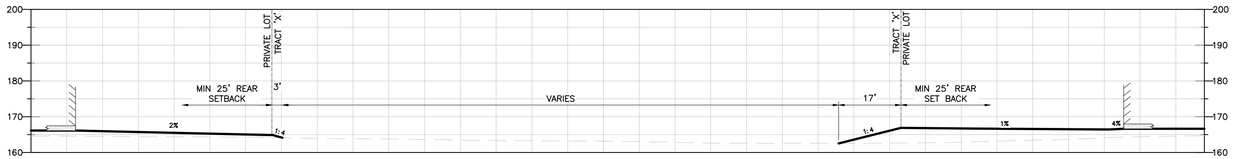

SECTION N-N
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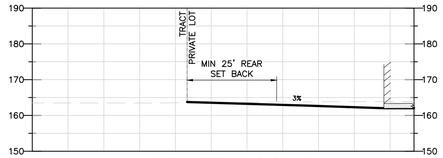

SECTION O-O
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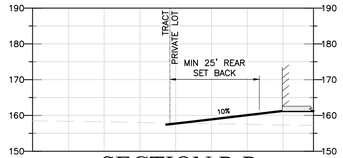

SECTION P-P
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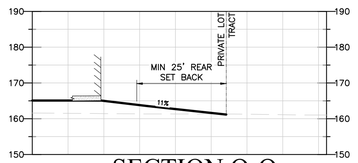

SECTION Q-Q
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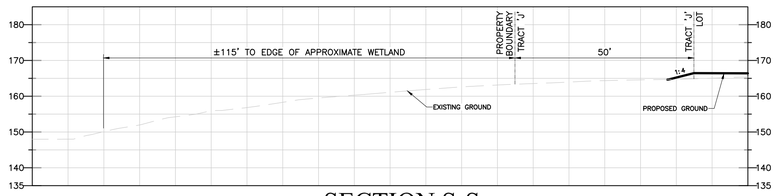
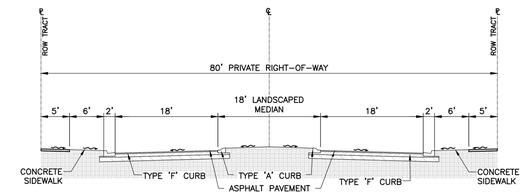
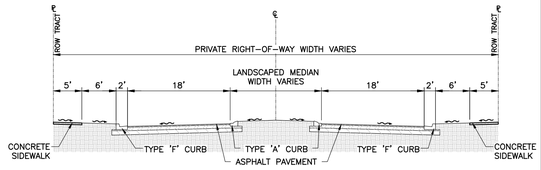
SECTION R-R
N.T.S.



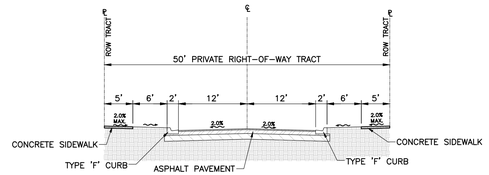
SECTION S-S
N.T.S.



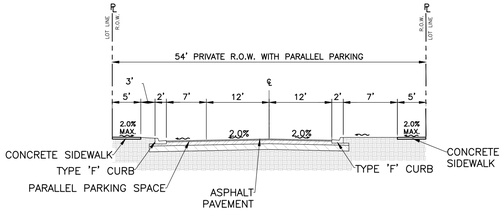
WESTERN ENTRANCE R.O.W.
N.T.S.



EASTERN ENTRANCE R.O.W.
N.T.S.



TYPICAL 50' R.O.W.
N.T.S.



54' RIGHT-OF-WAY SECTION
N.T.S.

REV.	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/20/2026	SJRWMD COMMENTS DATED 04/07/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SCS

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MAITLAND, FLORIDA 32751
(407) 558-2228
BOARD OF PROFESSIONAL
ENGINEERING REGISTRY
NO. 39060

CROSS SECTIONS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/20/2026

SCALE: N.T.S.
PROJECT: PUL-037
SHEET: C4.14

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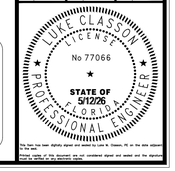
Sunshine State One Call of Florida, Inc.



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PHASING DATA			
	Phase 1	Phase 2	Total
AREA (AC)	117.28 AC	79.55 AC	**196.83 AC**
LOT COUNT	127	69	**196**
OPEN SPACE (AC)	65.21 AC	53.83 AC	**119.03 AC**
OPEN SPACE (PERCENTAGE)	55.6%	67.7%	**60.5%**

PHASING NOTES:

1. AMENITY TO BE CONSTRUCTED AS PART OF PHASE 1.

N

W E

S

GRAPHIC SCALE

200 0 100 200 400

(IN FEET)
1 inch = 200 ft.

LEGEND

- PROPERTY BOUNDARY
- PHASING LINE
- PHASE 1
- PHASE 2

TRACT 'EE'
TREE PRESERVATION
33.45 AC

TRACT G
STORMWATER POND 6
5.16 AC

TRACT 'P'
OPEN SPACE
3.39 AC

TRACT 'Q'
OPEN SPACE
1.61 AC

TRACT 'DD'
TREE PRESERVATION
2.42 AC

TRACT 'FF'
TREE PRESERVATION
3.59 AC

TRACT 'E'
STORMWATER POND 4
4.70 AC

TRACT 'F'
STORMWATER POND 5
8.57 AC

TRACT 'T'
OPEN SPACE
0.23 AC

TRACT 'BB'
TREE PRESERVATION
8.75 AC

TRACT 'U'
AMENITY TRACT
2.29 AC

TRACT 'Z'
TREE PRESERVATION
10.15 AC

TRACT 'J'
50' LANDSCAPE BUFFER
6.88 AC

TRACT 'AA'
TREE PRESERVATION
9.17 AC

TRACT 'O'
OPEN SPACE
0.91 AC

TRACT 'H'
50' LANDSCAPE BUFFER
4.87 AC

TRACT 'S'
OPEN SPACE
0.07 AC

TRACT 'CC'
TREE PRESERVATION
3.31 AC

#1

TRACT 'R'
OPEN SPACE
0.44 AC

TRACT 'X'
TREE PRESERVATION
3.44 AC

TRACT 'I'
50' LANDSCAPE BUFFER
3.71 AC

TRACT 'C'
STORMWATER POND 2
0.81 AC

TRACT 'A'
PRIVATE RIGHT-OF-WAY
13.68 AC

TRACT 'B'
STORMWATER POND 1
0.83 AC

TRACT 'L'
25' LANDSCAPE BUFFER
0.05 AC

TRACT 'K'
25' LANDSCAPE BUFFER
0.10 AC

TRACT 'W'
TREE PRESERVATION
1.04 AC

TRACT 'V'
LIFT STATION
0.04 AC

TRACT 'D'
STORMWATER POND 3
4.62 AC

TRACT 'Y'
TREE PRESERVATION
3.23 AC

TRACT 'N'
25' LANDSCAPE BUFFER
0.45 AC

TRACT 'M'
25' LANDSCAPE BUFFER
0.49 AC

ZONE A

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REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/07/2026	SJRWMD COMMENTS DATED 04/07/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

PHASING PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 200'
PROJECT: PUL-037
SHEET: C4.15

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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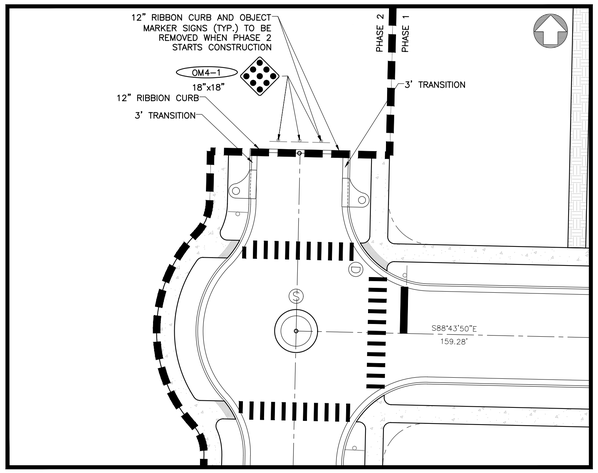
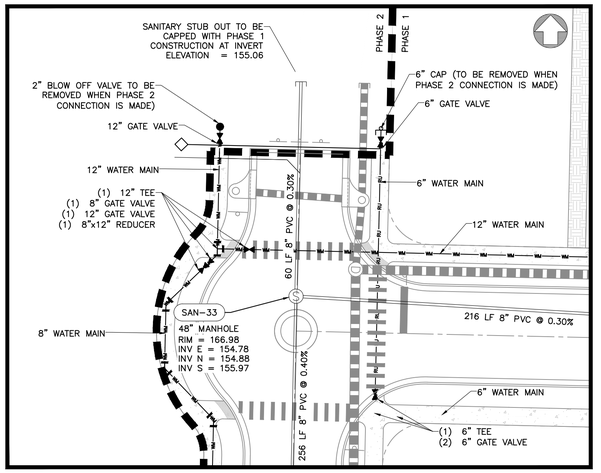
P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\PHASING PLAN.dwg Modified: 4/22/2026 By: dfrancis Plotted By: andrew.francis



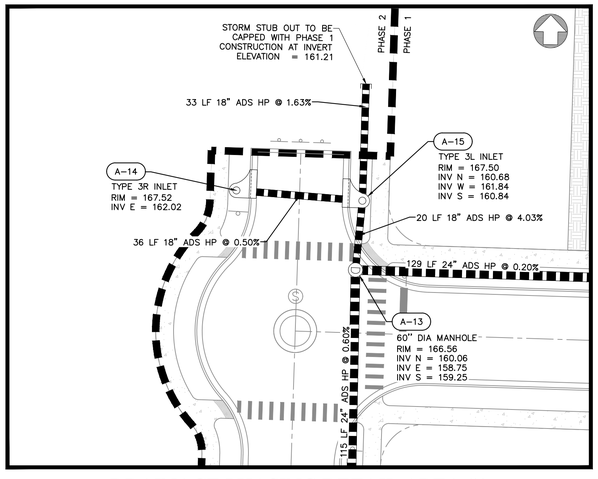
GEOMETRY PHASING DETAIL AREA #1

SCALE: 1" = 20'



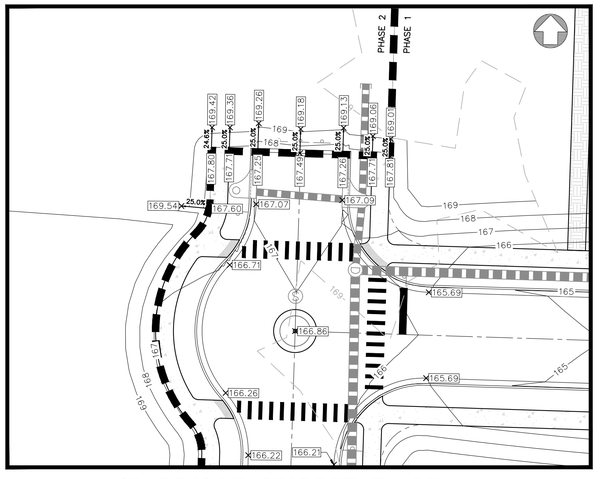
UTILITY PHASING DETAIL AREA #1

SCALE: 1" = 20'



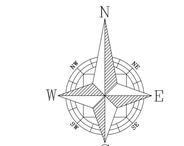
DRAINAGE PHASING DETAIL AREA #1

SCALE: 1" = 20'



GRADING PHASING DETAIL AREA #1

SCALE: 1" = 20'

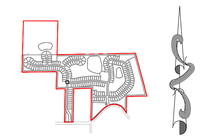


GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

1 inch = 20 ft.



KEY MAP

BY	DESCRIPTION	DATE	REV
SSS	CITY OF APOPKA COMMENTS DATED 04/14/2026	04/17/2026	2
SSS	S.JIMMO COMMENTS DATED 04/07/2026	04/10/2026	1
SSS	S.JIMMO COMMENTS DATED 02/20/2026	03/03/2026	0

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(407) 558-2228

PHASING PLAN DETAIL

CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN:	DESIGNED:	CHECKED:	DATE:
L. GRAHAM	S. SIERRA-GIL	L.CLASSON	4/22/2026

SCALE:	PROJECT	SHEET
1" = 20'	PUL-037	C4.1.6

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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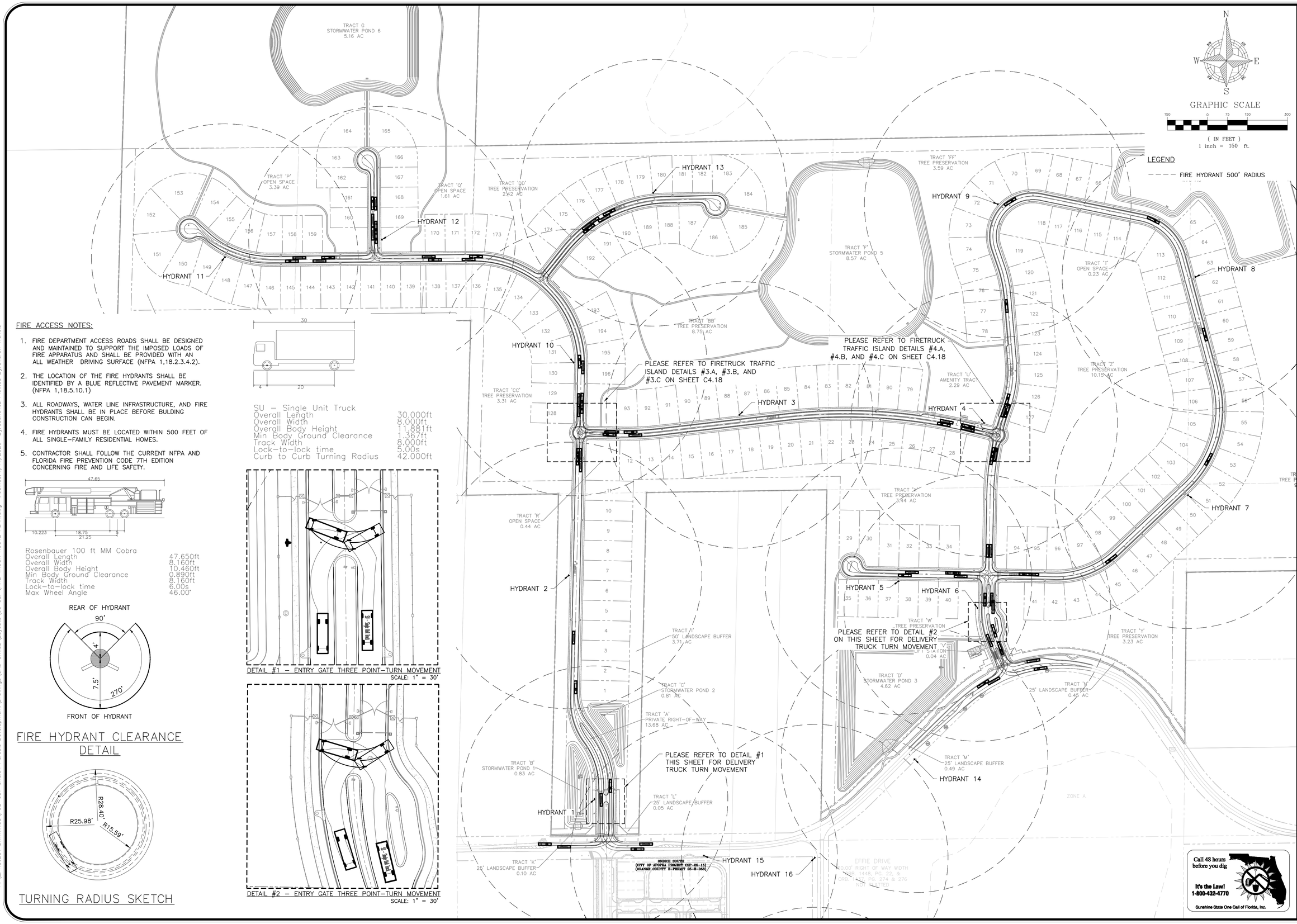
Plotted By:afrancis Modified:4/22/2026 By:afrancis P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\PHASING PLAN.dwg



N
W E
S

GRAPHIC SCALE

150 0 75 150 300

(IN FEET)
1 inch = 150 ft.

LEGEND

FIRE HYDRANT 500' RADIUS

FIRE ACCESS NOTES:

1. FIRE DEPARTMENT ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS AND SHALL BE PROVIDED WITH AN ALL WEATHER DRIVING SURFACE (NFPA 1,18.2.3.4.2).
2. THE LOCATION OF THE FIRE HYDRANTS SHALL BE IDENTIFIED BY A BLUE REFLECTIVE PAVEMENT MARKER. (NFPA 1,18.5.10.1)
3. ALL ROADWAYS, WATER LINE INFRASTRUCTURE, AND FIRE HYDRANTS SHALL BE IN PLACE BEFORE BULDING CONSTRUCTION CAN BEGIN.
4. FIRE HYDRANTS MUST BE LOCATED WITHIN 500 FEET OF ALL SINGLE-FAMILY RESIDENTIAL HOMES.
5. CONTRACTOR SHALL FOLLOW THE CURRENT NFPA AND FLORIDA FIRE PREVENTION CODE 7TH EDITION CONCERNING FIRE AND LIFE SAFETY.

Rosenbauer 100 ft MM Cobra	
Overall Length	47.650ft
Overall Width	8.160ft
Overall Body Height	10.460ft
Min Body Ground Clearance	0.890ft
Track Width	8.160ft
Lock-to-lock time	6.00s
Max Wheel Angle	46.00°

REAR OF HYDRANT

FRONT OF HYDRANT

FIRE HYDRANT CLEARANCE DETAIL

TURNING RADIUS SKETCH

SU – Single Unit Truck	
Overall Length	30.000ft
Overall Width	8.000ft
Overall Body Height	11.881ft
Min Body Ground Clearance	1.367ft
Track Width	8.000ft
Lock-to-lock time	5.00s
Curb to Curb Turning Radius	42.000ft

DETAIL #1 – ENTRY GATE THREE POINT-TURN MOVEMENT
SCALE: 1" = 30'

DETAIL #2 – ENTRY GATE THREE POINT-TURN MOVEMENT
SCALE: 1" = 30'

REV.	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 01/14/2026	DSS
2	04/30/2026	SJRWMD COMMENTS DATED 03/30/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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(407) 558-2228

FIRE TRUCK ROUTE PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/17/2026

SCALE: 1" = 150'
PROJECT: PUL-037
SHEET: C4.17

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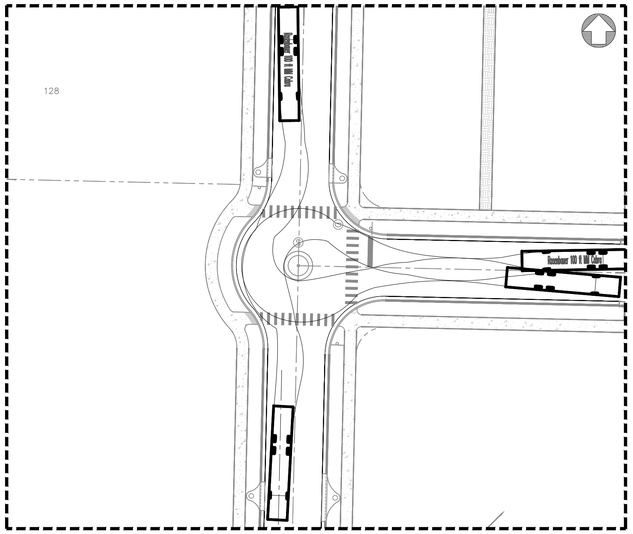
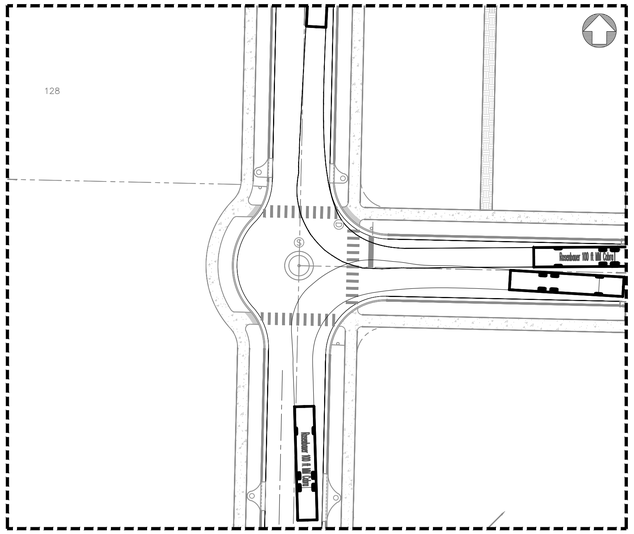


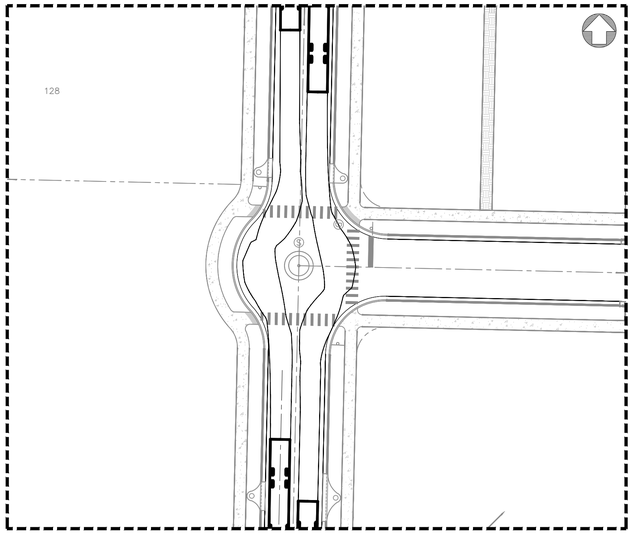
FIRE TRUCK TRAFFIC ISLAND DETAIL #3.A – LEFT – TURN MOVEMENTS

SCALE: 1" = 30'



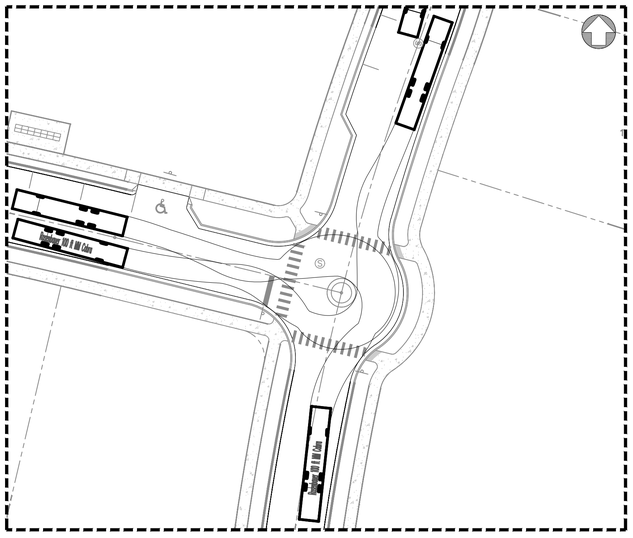
FIRE TRUCK TRAFFIC ISLAND DETAIL #3.B – RIGHT – TURN MOVEMENTS

SCALE: 1" = 30'



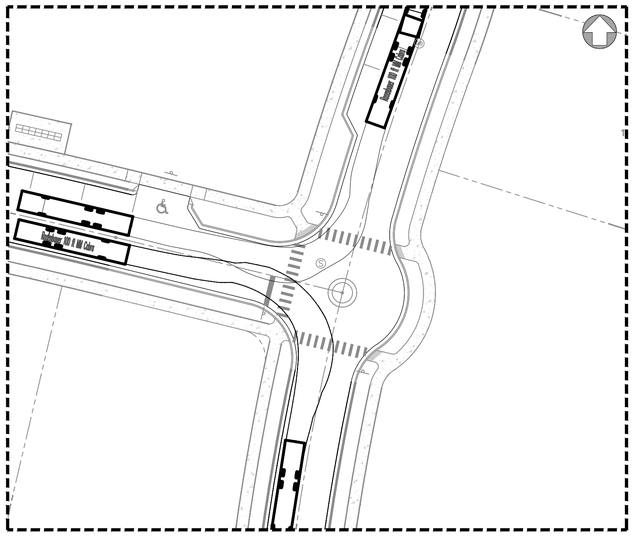
FIRE TRUCK TRAFFIC ISLAND DETAIL #3.C – THROUGH MOVEMENTS

SCALE: 1" = 30'



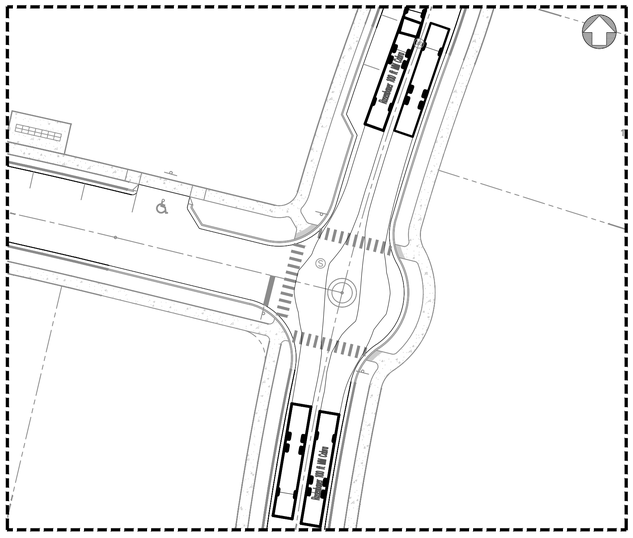
FIRE TRUCK TRAFFIC ISLAND DETAIL #4.A – LEFT – TURN MOVEMENTS

SCALE: 1" = 30'



FIRE TRUCK TRAFFIC ISLAND DETAIL #4.B – RIGHT – TURN MOVEMENTS

SCALE: 1" = 30'



FIRE TRUCK TRAFFIC ISLAND DETAIL #4.C – THROUGH MOVEMENTS

SCALE: 1" = 30'

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REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/07/2026	S.JIMINO COMMENTS DATED 04/07/2026	DSS
3	05/07/2026	S.JIMINO COMMENTS DATED 05/07/2026	SKS

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MAITLAND, FLORIDA 32751
(407) 558-2228
BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

FIRE TRUCK ROUTE DETAILS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/17/2026

SCALE: 1" = 30'
PROJECT: PUL-037
SHEET: C4.18

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER
5/12/26

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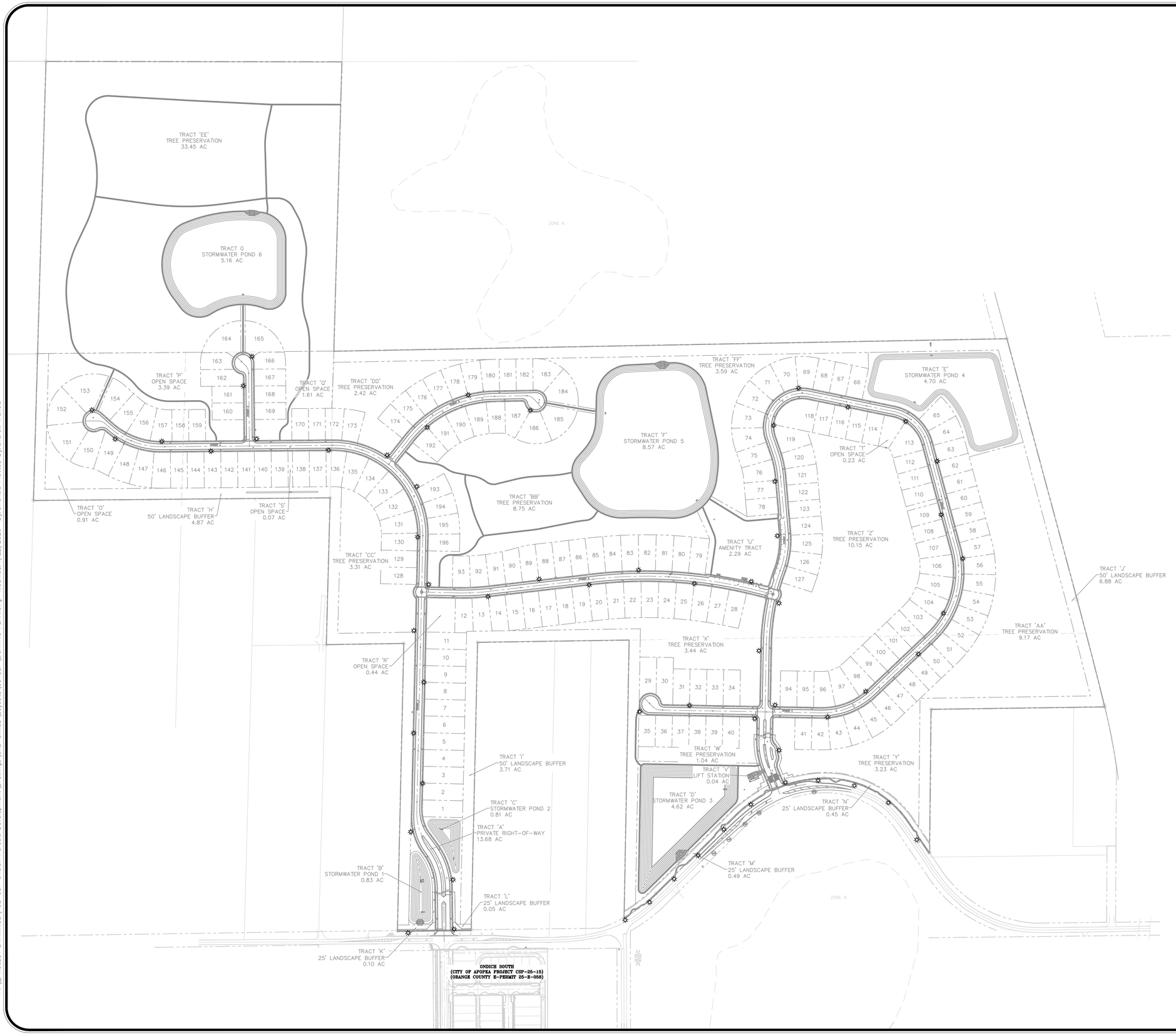

N

W E

S

GRAPHIC SCALE

200 0 100 200 400

(IN FEET)
1 inch = 200 ft.

LEGEND

☼ PROPOSED LIGHT POLE

LIGHTING NOTES:

1. STREET LIGHTS POLES SHALL BE DECORATIVE TYPE CONSISTENT WITH THE DEVELOPMENT DESIGN GUIDELINES. LIGHT POLE FOOTERS CANNOT BE EXPOSED ABOVE FINISHED GRADE.
2. PROPOSED LIGHT POLES SHOWN FOR PLAN APPROVAL. EXACT LOCATION AND TYPE OF LIGHT POLES TO BE DESIGNED, LAID OUT, AND INSTALLED BY DUKE ENERGY.

REV.	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/07/2026	SJRWMD COMMENTS DATED 04/07/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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MAITLAND, FLORIDA 32751
(407) 558-2228
BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

LIGHTING PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 200'
PROJECT: PUL-037
SHEET: C4.19

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\SIGNAGE & STRIPING PLAN.dwg Modified:4/22/2026 By:afrancis Plotted By:andrew francis

N

W E

S

GRAPHIC SCALE

200 0 100 200 400

(IN FEET)
1 inch = 200 ft.

TRACT 'EE'
TREE PRESERVATION
C4.21

TRACT G
STORMWATER POND 6
5.16 AC

ZONE A

TRACT 'P'
OPEN SPACE
3.39 AC

TRACT 'Q'
OPEN SPACE
1.61 AC

TRACT 'DD'
TREE PRESERVATION
2.42 AC

C4.22

C4.23

TRACT 'FF'
TREE PRESERVATION
1.59 AC

TRACT 'E'
STORMWATER POND 4
4.70 AC

C4.24

TRACT 'F'
STORMWATER POND 5
8.57 AC

TRACT 'T'
OPEN SPACE
0.23 AC

TRACT 'O'
OPEN SPACE
0.91 AC

TRACT 'H'
50' LANDSCAPE BUFFER
4.89 AC

TRACT 'S'
OPEN SPACE
0.07 AC

TRACT 'BB'
TREE PRESERVATION
8.85 AC

TRACT 'U'
AMENITY TRACT
2.29 AC

TRACT 'Z'
TREE PRESERVATION
10.15 AC

TRACT 'CC'
TREE PRESERVATION
3.31 AC

TRACT 'X'
50' LANDSCAPE BUFFER
6.88 AC

C4.25

C4.26

C4.27

TRACT 'AA'
TREE PRESERVATION
9.17 AC

TRACT 'X'
TREE PRESERVATION
3.44 AC

TRACT 'R'
OPEN SPACE
0.44 AC

TRACT 'W'
TREE PRESERVATION
1.04 AC

TRACT 'V'
LIFT STATION
0.04 AC

TRACT 'Y'
TREE PRESERVATION
3.23 AC

TRACT 'I'
50' LANDSCAPE BUFFER
3.71 AC

TRACT 'D'
STORMWATER POND 3
4.62 AC

C4.29

TRACT 'J'
25' LANDSCAPE BUFFER
0.45 AC

TRACT 'C'
STORMWATER POND 2
0.81 AC

TRACT 'A'
PRIVATE RIGHT-OF-WAY
13

C4.28

TRACT 'M'
25' LANDSCAPE BUFFER
0.49 AC

TRACT 'B'
STORMWATER POND 1
0.83 AC

TRACT 'L'
25' LANDSCAPE BUFFER
0.05 AC

TRACT 'K'
25' LANDSCAPE BUFFER
0.10 AC

ZONE A

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REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/30/2026	S.JENKO COMMENTS DATED 04/30/2026	DSS
3	05/07/2026	S.JENKO COMMENTS DATED 05/07/2026	SKS

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MAITLAND, FLORIDA 32751
(407) 558-2228

OVERALL SIGNAGE & STRIPING PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 200'
PROJECT: PUL-037
SHEET: C4.20

LUKE CLASSON
LICENSE
No 77066
STATE OF FLORIDA
5/12/26
PROFESSIONAL ENGINEER

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TRACT "EE"
TREE PRESERVATION
33.45 AC

TRACT G
STORMWATER POND 6
5.16 AC

SHEET C4.21

SHEET C4.22

N

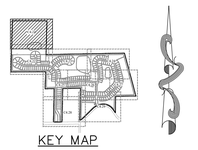
W E

S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.



KEY MAP

REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/07/2026	SJRWMD COMMENTS DATED 04/07/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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BOARD OF PROFESSIONAL
ENGINEERING REGISTRY
NO. 39060

SIGNAGE & STRIPING PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C4.21

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LAKE CLASSON
LICENSED
No 77066
STATE OF FLORIDA
5/12/26
PROFESSIONAL ENGINEER

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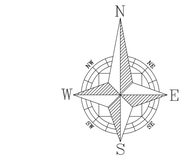
SHEET C4.21

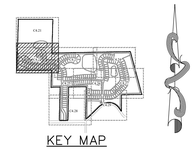
SHEET C4.22



GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.



KEY MAP

BY	DESCRIPTION	DATE	REV
SSS	CITY OF APOPKA COMMENTS DATED 04/14/2026	05/12/2026	2
SSS	S.JIMENO COMMENTS DATED 04/07/2026	04/30/2026	1
SSS	S.JIMENO COMMENTS DATED 02/20/2026	03/03/2026	0

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CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L. CLASSON
DATE: 4/22/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C4.22

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TRACT 'P' OPEN SPACE 3.39 AC

TRACT 'Q' OPEN SPACE 1.61 AC

TRACT 'DD' TREE PRESERVATION 2.42 AC

TRACT 'O' OPEN SPACE 0.91 AC

TRACT 'H' 50' LANDSCAPE BUFFER 4.87 AC

TRACT 'S' OPEN SPACE 0.07 AC

STREET A

STREET D

STOP BAR & STOP SIGN (A1 SIGNS)

CROSSWALK (TYP.) (A1 SIGNS)

24"x30" R1-1 SPEED LIMIT 25

SHEET C4.22

SHEET C4.23

N
W E
S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

KEY MAP

TRACT 'DD'
TREE PRESERVATION
2.42 AC

STREET E

TRACT 'F'
STORMWATER POND 5
8.57 AC

TRACT 'BB'
TREE PRESERVATION
8.75 AC

STOP BAR & STOP SIGN

CROSSWALK (TYP.)

SHEET C4.22

SHEET C4.23

SHEET C4.23
SHEET C4.24

SHEET C4.23
SHEET C4.25

SHEET C4.25

SHEET C4.26

SHEET C4.23
SHEET C4.26

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3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C4.23

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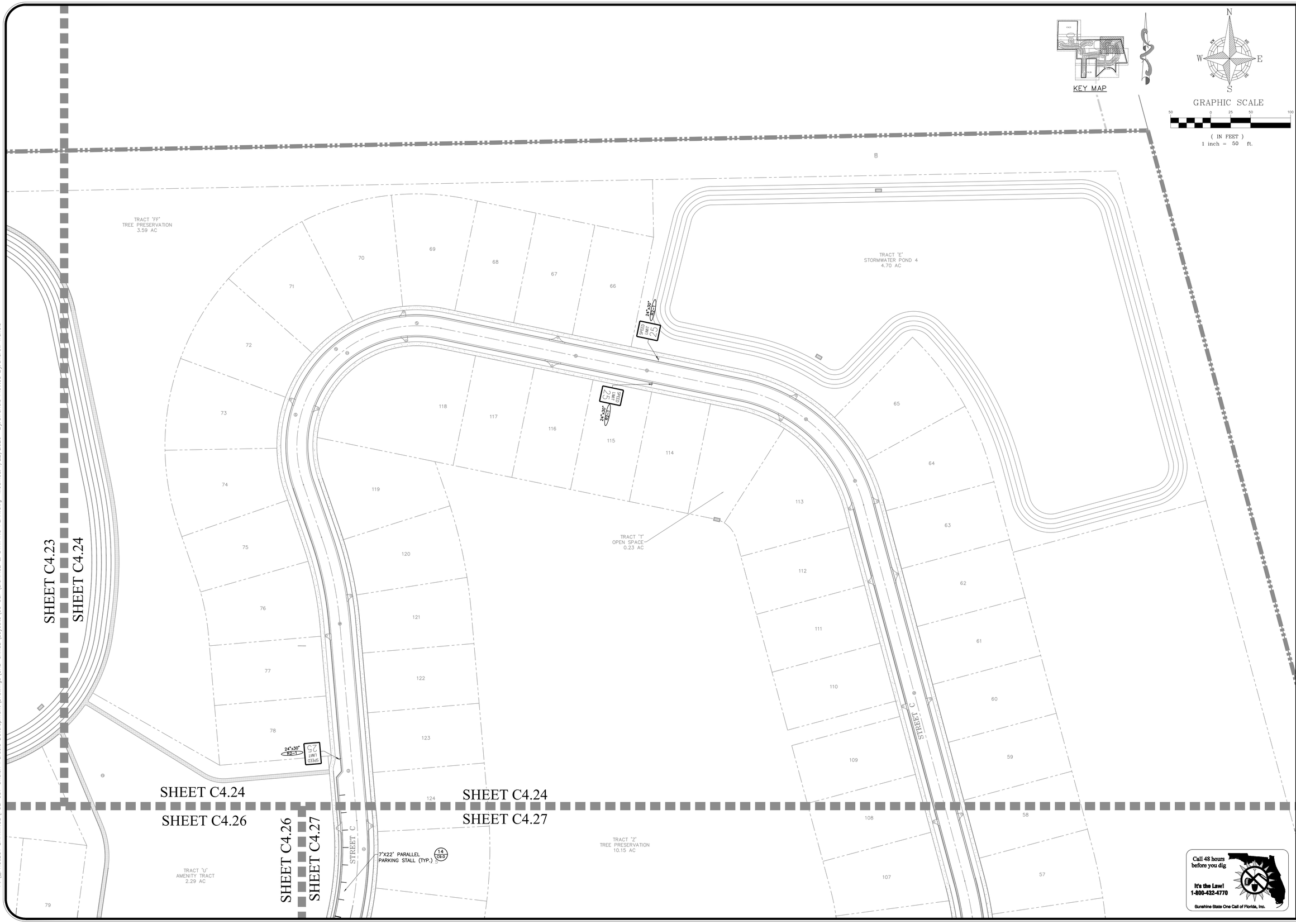

REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
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SIGNAGE & STRIPING PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C4.24

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5/12/26

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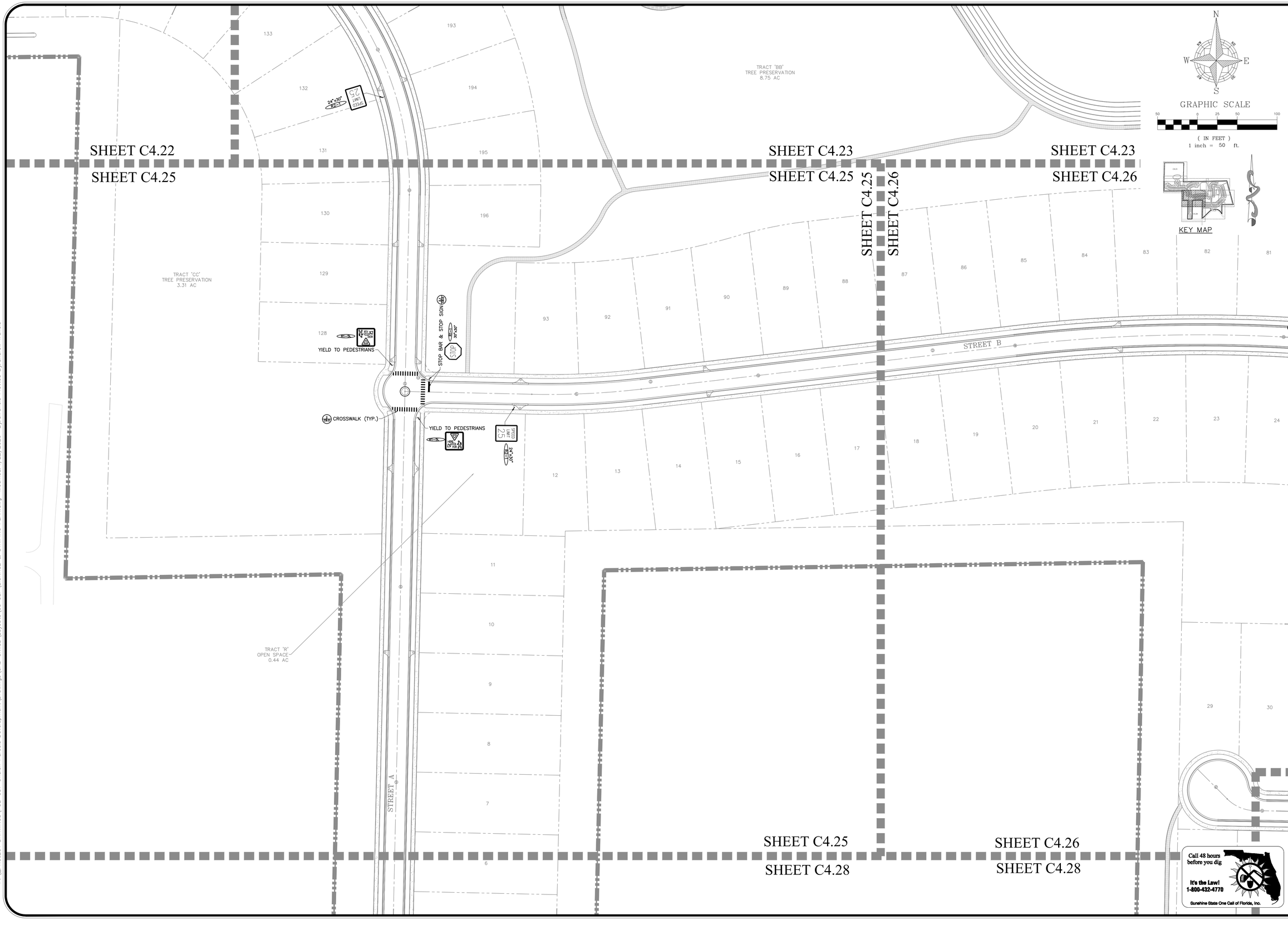

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3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SCS

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CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C4.25

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TRACT "BB"
CE PRESERVATION
8.75 AC

SHEET C4.23
SHEET C4.25
SHEET C4.26
SHEET C4.23
SHEET C4.26
SHEET C4.24
SHEET C4.26
SHEET C4.26
SHEET C4.27
SHEET C4.24
SHEET C4.27

TRACT "U"
AMENITY TRACT
2.29 AC

STREET B
STREET C

7'X22' PARALLEL PARKING STALL (TYP.) 14/C9.0
HADNICAP SIGN 10/C9.0
11.5'X22' ADA PARALLEL PARKING STALL (TYP.) 13/C9.0
YIELD TO PEDESTRIANS R1-5
CROSSWALK (TYP.) 4/C9.0
STOP BAR & STOP SIGN R1-1 30"X30"
SPEED LIMIT 25 24"x30" R2-1

TRACT "X"
TREE PRESERVATION
3.44 AC

SHEET C4.25
SHEET C4.28
SHEET C4.26
SHEET C4.28
SHEET C4.26
SHEET C4.29
SHEET C4.27
SHEET C4.29

N
W
E
S

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

KEY MAP

REV	DATE	DESCRIPTION	BY
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3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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SIGNAGE & STRIPING PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026
SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C4.26

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SHEET C4.24

SHEET C4.27

SHEET C4.26

SHEET C4.27

SHEET C4.27

SHEET C4.29

STREET C

TRACT "2"
TREE PRESERVATION
10.15 AC

TRACT "J"
50' LANDSCAPE BUFFER
6.88 AC

TRACT "AA"
TREE PRESERVATION
9.17 AC

7'X22' PARALLEL PARKING STALL (TYP.) 14 C9.0

HADNICAP SIGN 10 C9.0

YIELD TO PEDESTRIANS R1-5

CROSSWALK (TYP.) 7 C9.0

STOP BAR & STOP SIGN R1-1 24"x24"

SPEED LIMIT 25 R2-1 24"x30"

77 78 122 123 124 126 127 110 109 108 107 106 105 104 103 102 101 100 99 98 97 94 95 96 60 59 58 57 56 55 54 53 52 51 50 49 48 47 46 45 44 43 42 41

N

S

E

W

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

KEY MAP

REV	DATE	DESCRIPTION	BY
1	05/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
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SIGNAGE & STRIPING PLAN
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C4.27

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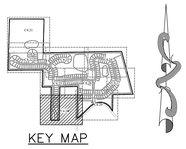
SHEET C4.25
SHEET C4.26
SHEET C4.28
SHEET C4.28
SHEET C4.28
SHEET C4.29

N
W E
S

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.



KEY MAP

6
5
4
3
2
1
35
36

TRACT 'I'
50' LANDSCAPE BUFFER
3.71 AC

TRACT 'C'
STORMWATER POND 2
0.81 AC

TRACT 'A'
PRIVATE RIGHT-OF-WAY
13.68 AC

TRACT 'B'
STORMWATER POND 1
0.83 AC

TRACT 'L'
25' LANDSCAPE BUFFER
0.05 AC

TRACT 'K'
25' LANDSCAPE BUFFER
0.10 AC

SPEED LIMIT 25

24"x30"

STOP BAR & STOP SIGN
R1-1
30"x30"
STOP

SPECIAL EMPHASIS CROSSWALK
PER FDOT INDEX 711-001

PLEASE REFER TO R.O.W. IMPROVEMENT
PLAN PERMITTED THROUGH ORANGE
COUNTY FOR ONDICH ROAD IMPROVEMENTS

ONDICH SOUTH
(CITY OF APOPKA PROJECT CSP-25-15)
(ORANGE COUNTY E-PERMIT 25-E-058)

ALLEY 'H'

SITE BENCHMARK
SET 1/2" IRON ROD WITH CAP
N=1,234.56'
EL=163.32'

REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
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SIGNAGE & STRIPING PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026
SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C4.28

LUKE CLASSON
No 77066
STATE OF FLORIDA
5/12/26
PROFESSIONAL ENGINEER

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N
W E
S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

KEY MAP

SHEET C4.26
SHEET C4.27
SHEET C4.28
SHEET C4.29

STREET C

CROSSWALK (TYP.)

STOP BAR & STOP SIGN

VISITOR ENTRANCE SIGN
TO BE DESIGNED BY
LANDSCAPE ARCHITECT

SPECIAL EMPHASIS CROSSWALK
PER FDOT INDEX 711-001

PLEASE REFER TO R.O.W. IMPROVEMENT
PLAN PERMITTED THROUGH ORANGE
COUNTY FOR ONDICH ROAD IMPROVEMENTS

TRACT 'W'
TREE PRESERVATION
1.04 AC

TRACT 'V'
LIFT STATION
0.04 AC

TRACT 'D'
STORMWATER POND 3
4.62 AC

TRACT 'Y'
TREE PRESERVATION
3.23 AC

TRACT 'N'
25' LANDSCAPE BUFFER
0.45 AC

TRACT 'M'
25' LANDSCAPE BUFFER
0.49 AC

ZONE A

REV	DATE	DESCRIPTION	BY
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SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C4.29

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5/12/26

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GENERAL UTILITY NOTES:

SP#

1. BACTERIOLOGICAL TESTS WITH CHLORINE RESIDUALS INDICATED (TAKEN ON TWO CONSECUTIVE DAYS) SHALL BE CONDUCTED AT EACH POTABLE WATER METER FOR EVERY BUILDING, AT EVERY WET–TAP CONNECTION AND EVERY LOCATION INDICATED WITHIN THESE PLANS. RESULTS OF THE BACTERIOLOGICAL TESTS SHALL BE PROVIDED TO THE ENGINEER OF RECORD IMMEDIATELY UPON COMPLETION. BACTERIOLOGICAL TEST RESULTS SHALL BE CONSIDERED UNACCEPTABLE IF THE TESTS WERE COMPLETED MORE THAN 30 DAYS BEFORE THE ENGINEER RECEIVED THE RESULTS.

2. POTABLE WATER, RECLAIMED WATER AND FORCEMAIN LINES TO BE INSTALLED AT 3' MINIMUM COVER UNLESS OTHERWISE NOTED.

3. ALL WATERMAINS AND FIRELINES PIPES SHALL BE RESTRAINED VIA MECHANICAL JOINTS.

4. WATER MAIN PVC PIPES LESS THAN 4 INCHES MUST CONFORM TO THE SPECIFICATIONS OF ASTM 1785 (SCHEDULE 40, 80, 120) OR ASTM 2241 SDR21 AND MUST BEAR THE NSF LOGO ON EACH INSTALLED LENGTH.

5. UNDERGROUND MARKING TAPE FOR ALL SANITARY FORCEMAINS SHALL BE INSTALLED 4 TO 8 INCHES BELOW THE FINISHED GRADE SURFACE DIRECTLY OVER THE PIPELINE. MARKER TAPE SHALL BE MADE OF AN INERT POLYETHYLENE MATERIAL HAVING A MINIMUM THICKNESS OF 4 MILS AND BE COLOR CODED "SAFETY GREEN".

6. CONTRACTOR SHALL CONDUCT AND PROVIDE RESULTS IMMEDIATELY TO THE ENGINEER OF RECORD FOR PRESSURE AND LEAKAGE TESTS ON THE FORCE MAIN TRUNK LINE ONCE THE PRESSURE SEWER HAS BEEN INSTALLED AND PARTLY BACKFILLED. FINAL BACKFILL AND COMPACTION SHALL NOT COMMENCE UNTIL APPROVAL OF THE PRESSURE AND LEAKAGE TESTS HAS BEEN PROVIDED BY THE ENGINEER OF RECORD.

7. FOLLOWING SATISFACTORY PRESSURE TEST RESULTS, THE CONTRACTOR SHALL DISINFECT ALL SECTIONS OF THE WATER DISTRIBUTION SYSTEM, AND RECEIVE APPROVAL THEREOF FROM APPROPRIATE AGENCIES PRIOR TO PLACING THE SYSTEM INTO SERVICE.

8. FIRE HYDRANTS SHALL BE PLACED A MINIMUM OF 3 FT. AND A MAXIMUM OF 5 FT. FROM THE CURB OR PAVED ROAD SURFACE UNLESS OTHERWISE APPROVED. NO FENCE, TREE, POST, SHRUB, OR OTHER OBJECT WHICH COULD BLOCK THE HYDRANT FROM NORMAL VIEW OR OBSTRUCT THE HYDRANT'S USE SHALL BE LOCATED WITHIN FOUR (4) FEET OF THE HYDRANT. THE FOUR–AND–ONE–HALF INCH (4–1/2") LARGE VOLUME CONNECTION SHALL FACE THE NEAREST ROADWAY. THE CENTER OF THE STEAMER PORT SHALL BE 18 INCHES MINIMUM AND 24 INCHES MAXIMUM ABOVE FINISHED GRADE.

9. ALL FIRE HYDRANT LEADS SHALL HAVE AN INSIDE DIAMETER OF AT LEAST SIX INCHES AND INCLUDE AUXILARY VALVES.

10. WHEN NECESSARY, DEWATERING SHALL BE PROVIDED TO KEEP THE GROUNDWATER ELEVATION A MINIMUM OF 6 INCHES BELOW MAIN BEING LAID.

11. ALL UTILITIES SHALL BE LAID ON A FIRM FOUNDATION WITH ALL UNSUITABLE MATERIAL (MUCK, ROCK, COQUINA, ETC.) REMOVED AND REPLACED WITH CLEAN GRANULAR MATERIAL.

12. TRENCHES SHALL BE BACKFILLED WITH MATERIAL ACCEPTABLE TO THE UTILITY PROVIDER WITH A MINIMUM COMPACTION OF 98% IN PAVED AREAS AND 95% IN UNPAVED AREAS IN ACCORDANCE WITH AASHTO T–180 MODIFIED PROCTOR TEST.

13. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT TRENCH COMPACTION TESTS BE PROVIDED AT POINTS 12 INCHES ABOVE THE PIPE AND AT 12 INCHES VERTICAL INTERVALS TO FINISH GRADE, AT A MINIMUM SPACING OF EVERY 300 FEET.

14. ALL WATER SERVICE ENDINGS SHALL BE MARKED WITH A 2" X 4" LUMBER (PRESSURE TREATED) EXTENDING 4 FEET ABOVE GRADE, WITH WATER SERVICES SECURED 12" MAXIMUM ABOVE THE GROUND.

15. ALL WATER VALVES, INCLUDING CONCRETE COLLAR (WITH DEBRIS CAP), SHALL BE ADJUSTED TO FINISHED GRADE AND THE VALVE BOX LID, PAINTED BLUE TO MAKE THEM PLAINLY VISIBLE.

16. UPON FINAL ACCEPTANCE OF NEW WATER SYSTEMS, WATER VALVES SHALL BE COMPLETELY OPENED BY PUBLIC UTILITIES PERSONNEL. AT NO TIME SHALL CONTRACTOR OPERATE ANY EXISTING VALVES WITHOUT CITY OF APOPKA INSPECTOR PRESENT.

17. ALL WATER MAINS SHALL BE NSF–APPROVED FOR POTABLE WATER USE.

18. PIPE USED IN WATER DISTRIBUTION SYSTEMS SHALL BE EITHER POLYVINYL CHLORIDE (PVC), OR DUCTILE IRON PIPE (DIP).

    (a) ALL PVC PIPE OF NOMINAL DIAMETER FOUR (4) INCHES THROUGH TWELVE (12) INCHES SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA STANDARD C900, LATEST EDITION. THE PVC PIPE SHALL HAVE A MINIMUM WORKING PRESSURE RATING OF 150PSI AND SHALL HAVE A DIMENSION RATIO (DR) OF 18.
    (b) ALL DUCTILE IRON PIPE SHALL BE MANUFACTURED IN ACCORDANCE WITH ANSI/AWWA A21.51/C151 AND HAVE A MINIMUM 350 PRESSURE CLASS RATING

19. PIPE USED IN GRAVITY SEWER CONSTRUCTION SHALL BE POLYVINYL CHLORIDE (PVC) OR DUCTILE IRON PIPE (DIP). WHERE REFERENCE IS MADE TO AN ASTM, ANSI, OR AASHTO DESIGNATION, IT SHALL BE THE LATEST REVISION.

    (a) PVC GRAVITY SEWER PIPE (4 INCH – 15 INCH), ASTM D3034, SDR 35 – UNIFORM MINIMUM "PIPE STIFFNESS" AT FIVE (5) PERCENT DEFLECTION SHALL BE 46PSI. THE JOINTS SHALL BE INTEGRAL BELL ELASTOMERIC GASKET JOINTS MANUFACTURED IN ACCORDANCE WITH ASTM D3212 AND ASTM F477. APPLICABLE UNI–BELL PLASTIC PIPE ASSOCIATION STANDARD IS UNI–B–4. ALL PVC PIPE SHALL BEAR THE NSF–DW SEAL AND BE GREEN IN OVERALL COLOR. THE MINIMUM STANDARD LENGTH OF PIPE SHALL BE THIRTEEN (13) FEET.
    (b) DUCTILE IRON PIPE SHALL CONFORM TO ANSI/AWWA A21.51/C151, CLASS THICKNESS DESIGNED PER ANSI/AWWA A21.50/C150, WITH MECHANICAL OR PUSH ON JOINTS. AN INTERIOR PROTECTIVE LINING OF COAL TAR EPOXY SHALL BE PROVIDED WITH A MINIMUM DRY THICKNESS OF 30 MILS. DUCTILE IRON GRAVITY SEWERS, WHERE REQUIRED BY THE UTILITY PROVIDER BASED ON GEOTECHNICAL INVESTIGATIONS, SHALL BE WRAPPED WITH POLYETHYLENE FILM, AWWA C105. SEE APPENDIX C. THE MINIMUM STANDARD LENGTH OF PIPE SHALL BE EIGHTEEN (18) FEET.

20. ALL EXISTING UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR AT ALL POINTS OF CONNECTION TO AND AT ALL AREAS OF CONFLICT WITH EXISTING MAINS.

21. ALL UTILITIES (INCLUDING PUMP STATION IF APPLICABLE) LOCATED OUTSIDE PUBLIC RIGHT–OF–WAYS AND PUBLIC EASEMENTS SHALL BE PRIVATELY OWNED AND MAINTAINED.

WATER SYSTEM TESTING REQUIREMENTS:

1. THE CONTRACTOR SHALL PERFORM HYDROSTATIC TESTING OF ALL WATER DISTRIBUTION SYSTEMS, AS SET FORTH IN THE FOLLOWING AND SHALL CONDUCT SAID TESTS IN THE PRESENCE OF REPRESENTATIVES FROM CITY OF APOPKA AND/OR OTHER AUTHORIZED AGENCIES. THE CONTRACTOR SHALL PROVIDE 48 HOURS ADVANCED NOTICE PRIOR TO TESTING OF THE WATER DISTRIBUTION SYSTEM.

2. ALL TESTING REQUIRED BY CITY OF APOPKA SHALL BE PAID FOR BY THE DEVELOPER / CONTRACTOR.

3. ALL PROPOSED WATER MAINS SHALL BE TESTED AND CLEARED FOR SERVICE IN ACCORDANCE WITH THE LATEST AWWA STANDARDS AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION REQUIREMENTS.

4. PRIOR TO HYDROSTATIC TESTING A PRELIMINARY FLUSHING SHALL BE REQUIRED THROUGH FULL DIAMETER FLUSHING OR SWABBING. PRELIMINARY FLUSHING/SWABBING SHALL BE PERFORMED PER AWWA C651 STANDARD – "DISINFECTING WATER MAINS". ALL PIPING SHALL BE THOROUGHLY CLEANED AND FLUSHED PRIOR TO TESTING TO CLEAR THE LINES OF ALL FOREIGN MATTER. WHILE THE PIPING IS BEING FILLED WITH WATER, CARE SHALL BE EXERCISED TO PERMIT THE ESCAPE OF AIR FROM EXTREMITIES ALONG THE TEST SECTION.

5. HYDROSTATIC TESTING SHALL CONSIST OF PRESSURE TEST AND LEAKAGE TEST. PIPING AND APPURTENANCES TO BE TESTED SHALL BE WITHIN SECTIONS BETWEEN VALVES, NOT EXCEEDING 2,000 FEET, UNLESS ALTERNATE METHODS HAVE RECEIVED PRIOR APPROVAL FROM CITY OF APOPKA. TESTING SHALL NOT PROCEED UNTIL CONCRETE THRUST BLOCKS ARE IN PLACE AND CURED, OR OTHER RESTRAINING DEVICES INSTALLED.

6. HYDROSTATIC TESTING SHALL BE PERFORMED AT 150 POUNDS PER SQUARE INCH PRESSURE, UNLESS OTHERWISE APPROVED BY CITY OF APOPKA, FOR A PERIOD OF NOT LESS THAN TWO (2) HOURS.

7. THE ALLOWABLE RATE OF LEAKAGE SHALL BE LESS THAN THE NUMBER OF GALLONS PER HOUR DETERMINED BY THE FOLLOWING FORMULA:

$$L = \frac{SD\sqrt{P}}{148{,}000}$$

WHERE:
L = ALLOWABLE LEAKAGE, IN GALLONS PER HOUR
S = LENGTH OF PIPE TESTED, IN FEET
D = NOMINAL DIAMETER OF PIPE, IN INCHES
P = AVERAGE TEST PRESSURE DURING THE LEAKAGE TEST, IN POUNDS PER SQUARE INCH (GAUGE)

8. SHOULD THE TEST FAIL, NECESSARY REPAIRS SHALL BE ACCOMPLISHED BY THE CONTRACTOR AND THE TEST REPEATED UNTIL WITHIN PASSING LIMITS. THE CONTRACTOR SHALL FURNISH ALL THE NECESSARY LABOR, PUMPS, GAUGES AND ALL OTHER ITEMS NECESSARY TO CONDUCT THE REQUIRED WATER DISTRIBUTION SYSTEM TESTING AND PERFORM NECESSARY REPAIRS.

SEWER SYSTEM TESTING REQUIREMENTS:

1. THE CONTRACTOR SHALL PERFORM TESTING OF ALL SANITARY SEWAGE GRAVITY COLLECTION SYSTEMS, AS SET FORTH IN THE FOLLOWING AND SHALL CONDUCT SAID TESTS IN THE PRESENCE OF REPRESENTATIVES FROM CITY OF APOPKA AND/OR OTHER AUTHORIZED AGENCIES. THE CONTRACTOR SHALL PROVIDE 48 HOURS ADVANCED NOTICE PRIOR TO TESTING OF THE WASTEWATER DISTRIBUTION SYSTEM.

2. ALL TESTING REQUIRED BY CITY OF APOPKA SHALL BE PAID FOR BY THE DEVELOPER / CONTRACTOR.

3. GRAVITY MAINS SHALL BE INSPECTED WITH CCTV FOR ALIGNMENT, GRADE VARIATIONS, SEPARATED PIPES, LEAKS, DEFLECTION, CRACKED, BROKEN OR OTHERWISE DEFECTIVE PIPE TO ENSURE OVERALL PIPE INTEGRITY. THE APPROVED CCTV INSPECTION CONTRACTOR SHALL SUBMIT THE REPORT TO THE UTILITIES DEPARTMENT AS REQUIRED.

4. LEAKAGE TESTING FOR GRAVITY MAINS SHALL BE BY LOW–PRESSURE AIR TEST. LEAKAGE TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH THE PROCEDURE FOR "RECOMMENDED PRACTICE FOR LOW PRESSURE AIR TESTING OF INSTALLED SEWER PIPE" AS ESTABLISHED BY THE UNI–BELL PVC PIPE ASSOCIATION.

5. EACH GRAVITY MAIN LEAKAGE TEST SECTION SHALL NOT EXCEED 400 FEET IN LENGTH AND SHALL BE TESTED BETWEEN ADJACENT MANHOLES.

LOCATION OF PUBLIC WATER SYSYEM MAINS IN ACCORDANCE WITH F.A.C. RULE 62-555.314

Other Pipe	Horizontal Separation	Crossings (1)	Joint Spacing @ Crossings (Full Joint Centered)
Storm Sewer, Stormwater Force Main, Reclaimed Water (2)	Water Main; 3 ft. minimum	Water Main; 12 inches is the minimum, except for storm sewer, then 6 inches is the minimum and 12 inches is preferred	Alternate 3 ft. minimum; Water Main
Vacuum Sanitary Sewer	Water Main; 10 ft. preferred 3 ft. minimum	Water Main; 12 inches preferred 6 inches minimum	Alternate 3 ft. minimum; Water Main
Gravity or Pressure Sanitary Sewer, Sanitary Sewer Force Main, Reclaimed Water (4)	Water Main; 10 ft. preferred 6 ft. minimum (3)	Water Main; 12 inches is the minimum, except for gravity sewer, then 6 inches is the minimum and 12 inches is preferred	Alternate 6 ft. minimum; Water Main
On-Site Sewage Treatment & Disposal System	10 ft. minimum	---	---

(1) Water main should cross above other pipe. When water main must be below other pipe, the minimum separation is 12 inches.
(2) Reclaimed water regulated under Part III of Chapter 62-610, F.A.C.
(3) 3 ft. for gravity sanitary sewer where the bottom of the water main is laid at least 6 inches above the top of the gravity sanitary sewer.
(4) Reclaimed water not regulated under Part III of Chapter 62-610, F.A.C.

Disclaimer – This document is provided for your convenience only. Please refer to F.A.C. Rule 62-555.314 for additional construction requirements.

FDEP UTILITY CONSTRUCTION NOTES:

1. NOTE TO THE UTILITY: PURSUANT TO F.A.C. RULE 62–555.345; DO NOT PROVIDE WATER SERVICE TO THIS PROJECT (OTHER THAN FLUSHING/TESTING) UNTIL THE DEPARTMENT OF ENVIRONMENTAL PROTECTION HAS ISSUED A LETTER OF CLEARANCE OR THE UTILITY SHALL BE SUBJECT TO ENFORCEMENT ACTION.

2. THE PERMITTEE WILL PROMPTLY NOTIFY THE DEPARTMENT UPON SALE OR LEGAL TRANSFER OF THE PERMITTED FACILITY

3. ALL WATER MAINS AND APPURTENANCES SHALL BE DISINFECTED AND BACTERIOLOGICALLY EVALUATED IN ACCORDANCE WITH F.A.C. RULE 62–555.340.

4. ALL WATER MAIN PIPE, INCLUDING FITTINGS SHALL BE COLOR CODED OR MARKED USING BLUE AS A PREDOMINANT COLOR TO DIFFERENTIATE DRINKING WATER FROM RECLAIMED OR OTHER WATER. UNDERGROUND PLASTIC PIPE SHALL BE SOLID–WALL BLUE PIPE, SHALL HAVE A CO–EXTRUDED BLUE EXTERNAL SKIN, OR SHALL BE WHITE OR BLACK PIPE WITH BLUE STRIPES INCORPORATED INTO, OR APPLIED TO, THE PIPE WALL; AND UNDERGROUND METAL OR CONCRETE PIPE SHALL HAVE BLUE STRIPES APPLIED TO THE PIPE WALL. PIPE STRIPED DURING MANUFACTURING OF THE PIPE SHALL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE, THAT ARE LOCATED AT NO GREATER THAN 90–DEGREE INTERVALS AROUND THE PIPE, AND THAT WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIPE PIPE DURING INSTALLATION OF THE PIPE, THE TAPE OR PAINT SHALL BE APPLIED IN A CONTINUOUS LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND THAT IS LOCATED ALONG THE TOP OF THE PIPE; FOR PIPES WITH AN INTERNAL DIAMETER OF 24 INCHES OR GREATER, TAPE OR PAINT SHALL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE.

FDEP UTILITY SEPARATION REQUIREMENTS

(F.A.C. 62–555.314 LOCATION OF PUBLIC WATER SYSTEM MAINS)

FOR THE PURPOSE OF THIS SECTION, THE PHRASE "WATER MAINS" SHALL MEAN MAINS, INCLUDING TREATMENT PLANT PROCESS PIPING, CONVEYING EITHER RAW, PARTIALLY TREATED, OR FINISHED DRINKING WATER; FIRE HYDRANT LEADS; AND SERVICE LINES THAT ARE UNDER THE CONTROL OF A PUBLIC WATER SYSTEM AND THAT HAVE AN INSIDE DIAMETER OF THREE INCHES OR GREATER.

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON–SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

  (a) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THEOUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62–610, F.A.C.
  (b) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM–TYPE SANITARY SEWER.
  (c) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY– OR PRESSURE–TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62–610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY–TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.
  (d) NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON–SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E–6.002, F.A.C.

(2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

  (a) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY– OR VACUUM–TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
  (b) NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE–TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
  (c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM–TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62–610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY– OR PRESSURE–TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62–610, F.A.C.

(3) SEPARATION BETWEEN WATER MAINS AND SANITARY OR STORM SEWER MANHOLES.

  (a) NO WATER MAIN SHALL PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A SANITARY SEWER MANHOLE.
  (b) EFFECTIVE AUGUST 28, 2003, WATER MAINS SHALL NOT BE CONSTRUCTED OR ALTERED TO PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A STORM SEWER MANHOLE OR INLET STRUCTURE.

(4) SEPARATION BETWEEN FIRE HYDRANT DRAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON–SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS. NEW OR RELOCATED FIRE HYDRANTS WITH UNDERGROUND DRAINS SHALL BE LOCATED SO THAT THE DRAINS ARE AT LEAST THREE FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62–610, F.A.C.; AT LEAST THREE FEET, AND PREFERABLY TEN FEET, FROM ANY EXISTING OR PROPOSED VACUUM–TYPE SANITARY SEWER; AT LEAST SIX FEET, AND PREFERABLY TEN FEET, FROM ANY EXISTING OR PROPOSED GRAVITY– OR PRESSURE–TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62–610, F.A.C.; AND AT LEAST TEN FEET FROM ANY EXISTING OR PROPOSED "ON–SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN F.S. SECTION 381.0065(2), AND F.A.C. RULE 64E–6.002.

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REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 02/11/2026	DSS
2	03/03/2026	SJRWMD COMMENTS DATED 02/26/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/06/2026	SKS
4	05/14/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS

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UTILITY NOTES
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/6/2026

SCALE: N.T.S.
PROJECT: PUL-037
SHEET: C5.0

LUKE CLASSON LICENSE No 77066 STATE OF 5/12/26 PROFESSIONAL ENGINEER
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P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\UTILITY NOTES.dwg Modified:3/9/2026 By:afrancis Plotted By:andrew francis

P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\UTILITY PLAN.dwg Modified:5/12/2026 By:afrancis Plotted By:andrew francis

UTILITY NOTES:

1. THE PROJECT'S LANDSCAPE AND IRRIGATION PLANS SHALL BE DESIGNED IN ACCORDANCE WITH CITY OF APOPKA ORDINANCE NO. 2069.
2. ALL WATER MAINS LEADING TO A PROPOSED FIRE HYDRANT SHALL BE A MINIMUM OF 8".
3. FIRE FLOW REQUIREMENTS FOR BUILDINGS SHALL BE IN ACCORDANCE WITH NFPA I, SECTION 18.4.
4. FIRE HYDRANT LOCATIONS AND DISTRIBUTION SHALL FOLLOW NFPA 1, APPENDIX I.
5. FIRE HYDRANT LOCATIONS SHALL BE IDENTIFIED BY A BLUE REFLECTIVE PAVEMENT MARKER. (NFPA 1, CHAPTER 18.5.7)
6. A FIRE FLOW TEST RESULT REPORT FROM THE NEAREST EXISTING HYDRANT THAT HAS BEEN WITNESSED BY A UTILITIES INSPECTOR WILL NEED TO BE PROVIDED. DOCUMENTATION FOR FIRE FLOW TESTING SHALL INCLUDE A FIRE FLOW REPORT AND A HYDRAULIC GRAPH.
7. CONTRACTOR SHALL PROVIDE HORIZONTAL AND VERTICAL SEPARATION PER THE FLORIDA ADMINISTRATIVE CODE (F.A.C.). PLEASE REFER TO SHEET C5.0 FOR HORIZONTAL AND VERTICAL SEPARATION TABLE.
8. ALL ROADWAYS, WATER LINE INFRASTRUCTURE AND FIRE HYDRANTS SHALL BE IN PLACE BEFORE BUILDING CONSTRUCTION MAY BEGIN PER CITY OF APOPKA REQUIREMENTS.
9. POTABLE WATER, RECLAIMED WATER, AND FORCE MAIN LINES TO BE INSTALLED AT 3' MINIMUM COVER UNLESS OTHERWISE NOTED.
10. ALL PROPOSED POTABLE WATER, RECLAIMED WATER, AND WASTEWATER IMPROVEMENTS (I.E. GRAVITY SEWER, SANITARY LATERALS, LIFT STATION, AND FORCE MAIN) SHALL BE PUBLICLY OWNED AND MAINTAINED BY CITY OF APOPKA.
11. CONTRACTOR SHALL ADHERE TO FLORIDA STATUE 633.027 CONCERNING LIGHT FRAME TRUSS CONSTRUCTION.
12. CONTRACTOR SHALL ADHERE TO CURRENT NFPA AND FLORIDA FIRE PREVENTION CODE 7TH EDITION CONCERNING FIRE AND LIFE SAFETY.
13. SANITARY SEWER MANHOLES WITH INVERTS THAT HAVE A VERTICAL DIFFERENCE OF TWO FEET (2') OR GREATER SHALL HAVE INSIDE DROPS. PLEASE REFER TO SHEET C11.2 FOR CITY OF APOPKA DETAIL.
14. CONTRACTOR SHALL USE OPEN CUT IN LIEU OF DIRECTIONAL DRILL FOR UTILITY INSTALLATION PROVIDED APPROVAL FROM ORANGE COUNTY AND THE CITY OF APOPKA IS OBTAINED.
15. EMERGENCY POWER RECEPTACLES SHALL BE INSTALLED FOR THE LIFT STATION AS REQUIRED BY SECTIONS 22.5 AND 48.9 OF THE CITY OF APOPKA UTILITIES DESIGN AND CONSTRUCTION STANDARDS MANUAL.

N
W E
S

GRAPHIC SCALE
200 0 100 200 400
(IN FEET)
1 inch = 200 ft.

REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/30/2026	SJRWMD COMMENTS DATED 05/01/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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OVERALL UTILITY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/1/2026
SCALE: 1" = 200'
PROJECT: PUL-037
SHEET: C5.1

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5.16 AC

SHEET C5.2

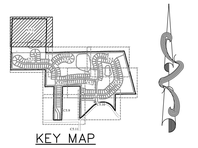
SHEET C5.3

N
W E
S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.



KEY MAP

REV	DATE	DESCRIPTION	BY
1	05/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
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UTILITY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L. CLASSON
DATE: 5/1/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C5.2

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P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\UTILITY PLAN.dwg Modified:5/12/2026 By:alfrancis Plotted By:andrew.francis

SHEET C5.2

SHEET C5.3

SHEET C5.3

SHEET C5.4

N

W E

S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

KEY MAP

NO.	DATE	DESCRIPTION	BY
1	05/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/30/2026	SJRWMD COMMENTS DATED 04/07/2026	DSS
3	05/05/2026	SJRWMD COMMENTS DATED 05/05/2026	SKS

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MAITLAND, FLORIDA 32751
(407) 558-2228

BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

UTILITY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L. CLASSON
DATE: 5/1/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C5.3

LUKE CLASSON
LICENSED
No 77066
STATE OF FLORIDA
PROFESSIONAL ENGINEER
5/12/26

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SAN-50
48" MANHOLE
RIM = 173.03
INV SE = 167.93
INV NW = 168.03

62 LF 8" PVC @ 0.40%

SP#20

(1) 6" TEE
(2) 6" GATE VALVE

(1) 8" TEE
(2) 8" GATE VALVE

SAN-49
48" MANHOLE
RIM = 173.55
INV S = 166.31
INV NW = 167.68

637 LF OF PROPOSED 6" RECLAIMED WATER MAIN

643 LF OF PROPOSED 8" POTABLE WATER MAIN

325 LF 8" PVC @ 0.40%

TRACT 'P'
OPEN SPACE
3.39 AC

TRACT 'Q'
OPEN SPACE
1.61 AC

TRACT 'DD'
TREE PRESERVATION
2.42 AC

SINGLE RECLAIMED WATER SERVICE (TYP)

277 LF OF PROPOSED 8" POTABLE WATER MAIN

(1) 6" TEE
(2) 6" GATE VALVE

SAN-53
48" MANHOLE
RIM = 176.27
INV SE = 168.73
INV N = 168.83

SP#19

3,636 LF OF PROPOSED 6" RECLAIMED WATER MAIN

199 LF 6" PVC @ 0.40%

(1) 12"x8" REDUCER
(1) 8" TEE
(2) 8" GATE VALVE

SAN-52
48" MANHOLE
RIM = 175.16
INV E = 167.84
INV NW = 167.94

SAN-51
48" DROP MANHOLE
RIM = 174.34
INV E = 163.90
INV W = 167.23

UTILITY CROSSING #49
STORM BOTTOM = 168.56
SAN. TOP = 164.49
SEPARATION = 4.07

UTILITY CROSSING #50
STORM BOTTOM = 169.76
SAN. TOP = 168.76
SEPARATION = 1.00

HYDRANT 11

153 LF 8" PVC @ 0.40%

STREET 'A'

378 LF 8" PVC @ 0.40%

SINGLE POTABLE WATER SERVICE (TYP)

2,169 LF OF PROPOSED 12" POTABLE WATER MAIN

SINGLE SANITARY SEWER LATERAL (TYP)

IRRIGATION METER PLEASE REFER TO IRRIGATION PLANS FOR SIZE

UTILITY CROSSING #47
STORM BOTTOM = 166.86
SAN. TOP = 165.86
SEPARATION = 1.00

HYDRANT 12

SINGLE RECLAIMED WATER SERVICE (TYP)

(1) 6" TEE
(2) 6" GATE VALVE

UTILITY CROSSING #46
STORM BOTTOM = 163.92
SAN. TOP = 162.92
SEPARATION = 1.00

UTILITY CROSSING #48
STORM BOTTOM = 167.34
SAN. TOP = 163.60
SEPARATION = 3.75

(1) 12" TEE
(1) 8" GATE VALVE
(1) 12" GATE VALVE

SP#18

SAN-48
48" DROP MANHOLE
RIM = 172.28
INV E = 162.29
INV W = 162.39
INV N = 165.01

UTILITY CROSSING #45
STORM BOTTOM = 167.16
SAN. TOP = 162.60
SEPARATION = 4.56

SINGLE SANITARY SEWER LATERAL (TYP)

372 LF 8" PVC @ 0.40%

UTILITY CROSSING #43
STORM BOTTOM = 168.44
SAN. TOP = 161.63
SEPARATION = 6.81

SAN-47
48" MANHOLE
RIM = 173.54
INV E = 160.71
INV W = 160.81

SAN-46
48" MANHOLE
RIM = 174.47
INV SE = 160.07
INV W = 160.17

135 LF 8" PVC @ 0.40%

(1) 12" TEE
(1) 8" GATE VALVE
(1) 12" GATE VALVE

SAN-40
48" DROP MANHOLE
RIM = 174.58
INV SE = 156.89
INV NW = 159.53
INV NE = 156.99

1,094 LF O

TRACT 'O'
OPEN SPACE
0.91 AC

TRACT 'H'
50' LANDSCAPE BUFFER
4.87 AC

TRACT 'S'
OPEN SPACE
0.07 AC

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N
W E
S

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

KEY MAP

TRACT 'DD'
TREE PRESERVATION
2.42 AC

SHEET C5.3

SHEET C5.4

SAN-42
48" MANHOLE
RIM = 170.43
INV NE = 157.98
INV SW = 157.88

1,094 LF OF PROPOSED 8" POTABLE WATER MAIN

186 LF 8" PVC @ 0.30%

SAN-56
48" MANHOLE
RIM = 167.95
INV SW = 158.54
INV E = 158.64

SAN-43
48" MANHOLE
RIM = 166.65
INV W = 158.96
INV E = 159.06

SINGLE RECLAIMED WATER SERVICE (TYP)

HYDRANT 13

(1) 8" TEE
(2) 8" GATE VALVE

SP#17

UTILITY CROSSING #40
STORM BOTTOM = 163.37
SAN. TOP = 159.05
SEPARATION = 4.32

109 LF 8" PVC @ 0.30%

146 LF 8" PVC @ 0.30%

UTILITY CROSSING #41
STORM BOTTOM = 160.85
SAN. TOP = 159.85
SEPARATION = 1.00

SAN-44
48" MANHOLE
RIM = 164.70
INV W = 159.50
INV SE = 159.60

UTILITY CROSSING #42
SAN. BOTTOM = 161.32
STORM TOP = 158.68
SEPARATION = 2.64

SAN-45
48" MANHOLE
RIM = 163.88
INV NW = 159.78
INV SE = 159.88

(1) 6" TEE
(2) 6" GATE VALVE

61 LF 8" PVC @ 0.30%

SINGLE SANITARY SEWER LATERAL (TYP)

974 LF OF PROPOSED 6" RECLAIMED WATER MAIN

SINGLE POTABLE WATER SERVICE (TYP)

UTILITY CROSSING #39
STORM BOTTOM = 165.91
SAN. TOP = 158.78
SEPARATION = 7.13

295 LF 8" PVC @ 0.30%

SINGLE SANITARY SEWER LATERAL (TYP)

IRRIGATION METER PLEASE REFER TO IRRIGATION PLANS FOR SIZE

135 LF 8" PVC @ 0.40%

(1) 6" TEE
(2) 6" GATE VALVE

(1) 12" TEE
(1) 8" GATE VALVE
(1) 12" GATE VALVE

SAN-40
48" DROP MANHOLE
RIM = 174.58
INV SE = 156.89
INV NW = 159.53
INV NE = 156.99

182 LF 8" PVC @ 0.30%

3,636 LF OF PROPOSED 6" RECLAIMED WATER MAIN

SINGLE RECLAIMED WATER SERVICE (TYP)

SAN-39
48" MANHOLE
RIM = 172.36
INV S = 156.25
INV NW = 156.35

1,892 LF OF PROPOSED 12" POTABLE WATER MAIN

UTILITY CROSSING #38
STORM BOTTOM = 166.16
SAN. TOP = 156.80
SEPARATION = 9.36

182 LF 8" PVC @ 0.30%

HYDRANT 10

1,892 LF OF PROPOSED 12" POTABLE WATER MAIN

SAN-38
48" MANHOLE
RIM = 170.05
INV S = 155.61
INV N = 155.71

UTILITY CROSSING #37
STORM BOTTOM = 163.55
SAN. TOP = 156.10
SEPARATION = 7.45

0.30%

TRACT 'F'
STORMWATER POND 5
8.57 AC

TRACT 'BB'
TREE PRESERVATION
8.75 AC

SHEET C5.4
SHEET C5.5

SHEET C5.4
SHEET C5.6

SHEET C5.4
SHEET C5.7

SHEET C4.7
SHEET C4.6

SINGLE SANITARY SEWER LATERAL

SINGLE RECLAIMED WATER SERVICE (TYP)

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UTILITY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/1/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C5.4

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KEY MAP

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

REV	DATE	DESCRIPTION	BY
1	05/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/30/2026	S.JURMO COMMENTS DATED 04/07/2026	DSS
3	03/03/2026	S.JURMO COMMENTS DATED 02/02/2026	SKS

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UTILITY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/1/2026
SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C5.5

TRACT 'FF'
TREE PRESERVATION
3.59 AC

TRACT 'E'
STORMWATER POND 4
4.70 AC

TRACT 'I'
OPEN SPACE
0.23 AC

TRACT 'V'
AMENITY TRACT
2.29 AC

TRACT 'Z'
TREE PRESERVATION
10.15 AC

SINGLE RECLAIMED WATER SERVICE (TYP)

3,979 LF OF PROPOSED 8" POTABLE WATER MAIN

4,945 LF OF PROPOSED 6" RECLAIMED WATER MAIN

UTILITY CROSSING #14
SAN. BOTTOM = 153.93
STORM TOP = 152.88
SEPARATION = 1.04

95 LF 8" PVC @ 0.40%

SP#10

8" GATE VALVE

HYDRANT 9

SAN-12
48" MANHOLE
RIM = 160.84
INV SW = 153.55
INV NE = 153.65

101 LF 8" PVC @ 0.40%

SAN-11
48" MANHOLE
RIM = 161.50
INV S = 153.04
INV NE = 153.14

UTILITY CROSSING #13
STORM BOTTOM = 155.88
SAN. TOP = 153.91
SEPARATION = 1.97

SAN-14
48" MANHOLE
RIM = 160.39
INV SW = 154.02
INV E = 154.80

204 LF 8" PVC @ 0.40%

SAN-15
48" MANHOLE
RIM = 159.71
INV W = 155.61
INV N = 155.71

IRRIGATION METER PLEASE REFER TO IRRIGATION PLANS FOR SIZE

UTILITY CROSSING #15
SAN. BOTTOM = 155.47
STORM TOP = 154.37
SEPARATION = 1.10

SAN-58
48" MANHOLE
RIM = 160.16
INV E = 156.06
INV S = 156.16

209 LF 8" PVC @ 0.40%

SAN-16
48" MANHOLE
RIM = 159.52
INV SE = 155.13
INV W = 155.23

SINGLE SANITARY SEWER LATERAL (TYP)

UTILITY CROSSING #16
SAN. BOTTOM = 155.31
STORM TOP = 152.78
SEPARATION = 2.53

99 LF 8" PVC @ 0.35%

UTILITY CROSSING #17
SAN. BOTTOM = 154.54
STORM TOP = 153.44
SEPARATION = 1.10

SAN-17
48" MANHOLE
RIM = 158.88
INV S = 154.68
INV NW = 154.78

UTILITY CROSSING #18
SAN. BOTTOM = 154.21
STORM TOP = 153.12
SEPARATION = 1.09

SP#9

8" GATE VALVE

HYDRANT 8

SINGLE POTABLE WATER SERVICE (TYP)

296 LF 8" PVC @ 0.35%

SAN-18
48" MANHOLE
RIM = 158.88
INV S = 153.62
INV N = 153.72

UTILITY CROSSING #19
SAN. BOTTOM = 153.55
STORM TOP = 152.55
SEPARATION = 1.00

SINGLE RECLAIMED WATER SERVICE (TYP)

UTILITY CROSSING #20
SAN. BOTTOM = 153.02
STORM TOP = 152.02
SEPARATION = 1.00

318 LF 8" PVC @ 0.35%

SINGLE RECLAIMED WATER SERVICE (TYP)

SINGLE SANITARY SEWER LATERAL (TYP)

UTILITY CROSSING #12
STORM BOTTOM = 157.57
SAN. TOP = 152.70
SEPARATION = 4.87

SAN-8
48" MANHOLE
RIM = 163.49
INV S = 151.87
INV N = 151.97

206 LF 8" PVC @ 0.40%

284 LF 8" PVC @ 0.40%

IRRIGATION METER PLEASE REFER TO IRRIGATION PLANS FOR SIZE

UTILITY CROSSING #11
STORM BOTTOM = 158.38
SAN. TOP = 151.55
SEPARATION = 6.83

SAN-7
48" MANHOLE
RIM = 163.87
INV S = 150.64
INV N = 150.74

8" PVC @ 0.40%

STREET

SHEET C5.4
SHEET C5.5
SHEET C5.7
SHEET C5.8

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INV NW = 159.53
INV NE = 156.99

SAN–39
48" MANHOLE
RIM = 172.36
INV S = 156.25
INV NW = 156.35

1,892 LF OF PROPOSED 12" POTABLE WATER MAIN

UTILITY CROSSING #38
STORM BOTTOM = 166.16
SAN. TOP = 156.80
SEPARATION = 9.36

182 LF 8" PVC @ 0.30%

SINGLE RECLAIMED WATER SERVICE (TYP)

TRACT 'BB'
TREE PRESERVATION
8.75 AC

SHEET C5.3
SHEET C5.6

SHEET C5.4
SHEET C5.6

SHEET C5.4
SHEET C5.7

HYDRANT 10

1,892 LF OF PROPOSED 12" POTABLE WATER MAIN

SAN–38
48" MANHOLE
RIM = 170.05
INV S = 155.61
INV N = 155.71

UTILITY CROSSING #37
STORM BOTTOM = 163.55
SAN. TOP = 156.10
SEPARATION = 7.45

TRACT 'CC'
TREE PRESERVATION
3.31 AC

SINGLE POTABLE WATER SERVICE (TYP)

243 LF 8" PVC @ 0.30%

UTILITY CROSSING #36
STORM BOTTOM = 161.72
SAN. TOP = 156.66
SEPARATION = 5.06

(1) 12" TEE
(1) 8" GATE VALVE
(1) 12" GATE VALVE
(1) 8"x12" REDUCER

SP#13

UTILITY CROSSING #32
STORM BOTTOM = 159.05
SAN. TOP = 155.43
SEPARATION = 3.62

SINGLE POTABLE WATER SERVICE (TYP)

UTILITY CROSSING #31
STORM BOTTOM = 158.95
SAN. TOP = 155.04
SEPARATION = 3.91

230 LF 8" PVC @ 0.30%

SINGLE SANITARY SEWER LATERAL (TYP)

1,593 LF OF PROPOSED 12" POTABLE WATER MAIN

HYDRANT 3

SP#12

338 LF 8" PVC @ 0.30%

325 LF 8" PVC @ 0.30%

SAN–30
48" MANHOLE
RIM = 166.09
INV E = 152.17
INV W = 152.27

UTILITY CROSSING #29
STORM BOTTOM = 159.84
SAN. TOP = 152.47
SEPARATION = 7.37

SINGLE RECLAIMED WATER SERVICE (TYP)

1,576 LF OF PROPOSED 6" RECLAIMED WATER MAIN

216 LF 8" PVC @ 0.30%

SAN–33
48" MANHOLE
RIM = 166.98
INV E = 154.78
INV N = 154.88
INV S = 155.97

(1) 6" TEE
(2) 6" GATE VALVE

SAN–32
48" MANHOLE
RIM = 164.90
INV E = 154.03
INV W = 154.13

DOUBLE SANITARY
SEWER LATERAL (TYP)

UTILITY CROSSING #30
STORM BOTTOM = 160.09
SAN. TOP = 154.13
SEPARATION = 5.96

SAN–31
48" MANHOLE
RIM = 166.05
INV E = 153.24
INV W = 153.34

SINGLE RECLAIMED WATER SERVICE (TYP)

UTILITY CROSSING #33
STORM BOTTOM = 160.42
SAN. TOP = 157.18
SEPARATION = 3.24

SINGLE SANITARY SEWER LATERAL (TYP)

3,636 LF OF PROPOSED 6" RECLAIMED WATER MAIN

1,570 LF OF PROPOSED 8" POTABLE WATER MAIN

256 LF 8" PVC @ 0.40%

SAN–34
48" MANHOLE
RIM = 167.26
INV N = 156.99
INV S = 157.09

TRACT 'R'
OPEN SPACE
0.44 AC

UTILITY CROSSING #34
STORM BOTTOM = 161.36
SAN. TOP = 158.13
SEPARATION = 3.23

246 LF 8" PVC @ 0.40%

STREET A

SAN–35
48" MANHOLE
RIM = 168.62
INV N = 158.07
INV S = 158.17

HYDRANT 2

219 LF 8" PVC @ 0.40%

SINGLE SANITARY SEWER LATERAL (TYP.)

SHEET C5.6
SHEET C5.9

SHEET C5.7
SHEET C5.9

SAN–27
48" MANHOLE
RIM = 164.92
INV SE = 160.82
INV NW = 160.92

SAN–26

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N
W E
S

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

KEY MAP

BY	DESCRIPTION	DATE
SSS	CITY OF APOPKA COMMENTS DATED 04/14/2026	05/12/2026
SSS	SJRWMD COMMENTS DATED 03/30/2026	04/30/2026
SSS	SJRWMD COMMENTS DATED 02/20/2026	03/30/2026

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BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

UTILITY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L. CLASSON
DATE: 5/1/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C5.6

LUKE CLASSON
LICENSE
No 77066
STATE OF FLORIDA
PROFESSIONAL ENGINEER
5/12/26

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TRACT 'BB'
CE PRESERVATION
8.75 AC

SHEET C5.4
SHEET C5.7

SHEET C5.5
SHEET C5.7

SHEET C5.7
SHEET C5.8

SHEET C5.6
SHEET C5.7

SHEET C5.6
SHEET C5.9

SHEET C5.7
SHEET C5.9

TRACT 'U'
AMENITY TRACT
2.29 AC

TRACT 'X'
TREE PRESERVATION
3.44 AC

STREET 1

STREET 2

STREET

SINGLE SANITARY SEWER LATERAL (TYP)
SINGLE RECLAIMED WATER SERVICE (TYP)
SAN–29
48" MANHOLE
RIM = 164.40
INV E = 151.06
INV W = 151.16
SINGLE SANITARY SEWER LATERAL (TYP)
1,593 LF OF PROPOSED 12" POTABLE WATER MAIN
SP#12
HYDRANT 3
338 LF 8" PVC @ 0.30%
312 LF 8" PVC @ 0.30%
325 LF 8" PVC @ 0.30%
SAN–31
48" MANHOLE
RIM = 166.05
INV E = 153.24
INV W = 153.34
Y CROSSING #30
M BOTTOM = 160.09
TOP = 154.13
RATION = 5.96
SAN–30
48" MANHOLE
RIM = 166.09
INV E = 152.17
INV W = 152.27
SINGLE RECLAIMED WATER SERVICE (TYP)
1,576 LF OF PROPOSED 6" RECLAIMED WATER MAIN
UTILITY CROSSING #29
STORM BOTTOM = 159.84
SAN. TOP = 152.47
SEPARATION = 7.37
UTILITY CROSSING #28
STORM BOTTOM = 158.65
SAN. TOP = 150.70
SEPARATION = 7.95
SINGLE POTABLE WATER SERVICE (TYP)
UTILITY CROSSING #27
STORM BOTTOM = 157.97
SAN. TOP = 151.16
SEPARATION = 6.81
4,280 LF OF PROPOSED 8" POTABLE WATER MAIN
SINGLE POTABLE WATER SERVICE (TYP)
SP#11
(1) 12" TEE
(1) 12"X8" REDUCER
(1) 8" GATE VALVE
(2) 12" GATE VALVE
SINGLE SANITARY SEWER LATERAL (TYP)
HYDRANT 4
151 LF 8" PVC @ 0.30%
SAN–28
48" MANHOLE
RIM = 163.95
INV E = 150.02
INV W = 150.12
IRRIGATION METER PLEASE REFER TO IRRIGATION PLANS FOR SIZE
974 LF OF PROPOSED 12" POTABLE WATER MAIN
384 LF 8" PVC @ 0.40%
141 LF 8" PVC @ 0.40%
102 LF 8" PVC @ 0.40%
237 LF 8" PVC @ 0.30%
302 LF 8" PVC @ 0.30%
IRRIGATION METER PLEASE REFER TO IRRIGATION PLANS FOR SIZE
UTILITY CROSSING #11
STORM BOTTOM = 158.38
SAN. TOP = 151.55
SEPARATION = 6.83
SAN–7
48" MANHOLE
RIM = 163.87
INV S = 150.64
INV N = 150.74
UTILITY CROSSING #10
STORM BOTTOM = 158.91
SAN. TOP = 150.89
SEPARATION = 8.02
SAN–6
48" MANHOLE
RIM = 164.70
INV SW = 149.98
INV N = 150.08
4,945 LF OF PROPOSED 6" RECLAIMED WATER MAIN
SAN–5
48" MANHOLE
RIM = 164.96
INV NE = 149.57
INV S = 149.47
INV W = 149.57
(1) 6" TEE
(2) 6" GATE VALVE
SAN–4
48" MANHOLE
RIM = 163.71
INV S = 148.66
INV N = 148.76
UTILITY CROSSING #09
STORM BOTTOM = 157.88
SAN. TOP = 149.30
SEPARATION = 8.58
SAN–27
48" MANHOLE
RIM = 164.92
INV SE = 160.82
INV NW = 160.92
66 LF 8" PVC @ 0.40%
(1) 6" TEE
(2) 6" GATE VALVE
UTILITY CROSSING #05
SAN. BOTTOM = 159.25
STORM TOP = 157.58
SEPARATION = 1.67
UTILITY CROSSING #06
SAN. BOTTOM = 159.95
STORM TOP = 158.37
SEPARATION = 1.58
UTILITY CROSSING #03
STORM BOTTOM = 152.43
SAN. TOP = 148.90
SEPARATION = 3.53
UTILITY CROSSING #04
SAN. BOTTOM = 158.78
STORM TOP = 156.84
SEPARATION = 1.94
UTILITY CROSSING #08
STORM BOTTOM = 155.57
SAN. TOP = 148.60
SEPARATION = 6.97
UTILITY CROSSING #07
STORM BOTTOM = 152.61
SAN. TOP = 148.51
SEPARATION = 4.10
(1) 6" CROSS
(3) 6" GATE VALVE
UTILITY CROSSING #26
STORM BOTTOM = 155.06
SAN. TOP = 148.55
SEPARATION = 6.51
SINGLE RECLAIMED WATER SERVICE (TYP.)
4,945 LF OF PROPOSED 6" RECLAIMED WATER MAIN
SAN–22
48" MANHOLE
RIM = 161.54
INV SW = 149.73
INV NE = 149.83
SAN–23
48" MANHOLE
RIM = 162.23
INV W = 149.14
INV NE = 149.24
225 LF 8" PVC @ 0.40%
240 LF 8" PVC @ 1.00%
274 LF 8" PVC @ 0.35%
SAN–26
48" MANHOLE
RIM = 164.57
INV E = 160.46
INV NW = 160.56
(1) 8" TEE
(2) 8" GATE VALVE
SP#7
HYDRANT 5
SINGLE RECLAIMED WATER SERVICE (TYP.)
SINGLE SANITARY SEWER LATERAL (TYP.)
SAN–25
48" DROP MANHOLE
RIM = 162.45
INV E = 150.40
INV W = 159.56
SP#6
(1) 12" CROSS
(2) 12"X8" REDUCER
(2) 8" GATE VALVE
(1) 12" GATE VALVE
133 LF 8" PVC @ 0.30%
HYDRANT 6
SAN–3
48" MANHOLE
RIM = 161.28
INV S = 147.55
INV N = 147.76
INV W = 148.00
INV E = 147.65
SINGLE POTABLE WATER SERVICE (TYP.)
UTILITY CROSSING #02
STORM BOTTOM = 155.25
SAN. TOP = 148.02
SEPARATION = 7.23
SAN–24
48" MANHOLE
RIM = 161.64
INV W = 148.61
INV E = 148.71
UTILITY CROSSING #25
STORM BOTTOM = 155.79
SAN. TOP = 149.06
SEPARATION = 6.73

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

KEY MAP

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REV	DATE	DESCRIPTION	BY
1	05/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/30/2026	SJRWMD COMMENTS DATED 03/31/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

UTILITY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L. CLASSON
DATE: 5/1/2026
SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C5.7

LUKE CLASSON
LICENSE
No 77066
STATE OF FLORIDA
5/12/26
PROFESSIONAL ENGINEER

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P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\UTILITY PLAN.dwg Modified:5/12/2026 By:afrancis Plotted By:andrew francis

SHEET C5.7
SHEET C5.8

SHEET C5.5
SHEET C5.8

SHEET C5.8
SHEET C5.10

STREET

TRACT '2'
TREE PRESERVATION
10.15 AC

284 LF 8" PVC @ 0.40%

IRRIGATION METER PLEASE REFER TO IRRIGATION PLANS FOR SIZE

UTILITY CROSSING #11
STORM BOTTOM = 158.38
SAN. TOP = 151.55
SEPARATION = 6.83

SAN-7
48" MANHOLE
RIM = 163.87
INV S = 150.64
INV N = 150.74

141 LF 8" PVC @ 0.40%

ABLE WATER MAIN
CE (TYP.)
TEE
UCER
ALVE
ALVE

UTILITY CROSSING #10
STORM BOTTOM = 158.91
SAN. TOP = 150.89
SEPARATION = 8.02

SAN-6
48" MANHOLE
RIM = 164.70
INV SW = 149.98
INV N = 150.08

102 LF 8" PVC @ 0.40%

4,945 LF OF PROPOSED 6" RECLAIMED WATER MAIN

@ 0.30%

SAN-5
48" MANHOLE
RIM = 164.96
INV NE = 149.57
INV S = 149.47
INV W = 149.57

(1) 6" TEE
(2) 6" GATE VALVE

237 LF 8" PVC @ 0.30%

302 LF 8" PVC @ 0.30%

SAN-4
48" MANHOLE
RIM = 163.71
INV S = 148.66
INV N = 148.76

UTILITY CROSSING #09
STORM BOTTOM = 157.88
SAN. TOP = 149.30
SEPARATION = 8.58

SAN-18
48" MANHOLE
RIM = 158.88
INV S = 153.62
INV N = 153.72

UTILITY CROSSING #19
SAN. BOTTOM = 153.55
STORM TOP = 152.55
SEPARATION = 1.00

SINGLE RECLAIMED WATER SERVICE (TYP)

UTILITY CROSSING #20
SAN. BOTTOM = 153.02
STORM TOP = 152.02
SEPARATION = 1.00

318 LF 8" PVC @ 0.35%

SAN-19
48" MANHOLE
RIM = 160.47
INV S = 152.41
INV N = 152.51

SINGLE RECLAIMED WATER SERVICE (TYP.)

UTILITY CROSSING #21
STORM BOTTOM = 155.13
SAN. TOP = 152.93
SEPARATION = 2.20

137 LF 8" PVC @ 0.35%

SINGLE POTABLE WATER SERVICE (TYP.)

SAN-20
48" MANHOLE
RIM = 161.05
INV SW = 151.83
INV N = 151.93

SINGLE SANITARY SEWER LATERAL (TYP.)

186 LF 8" PVC @ 0.35%

4,280 LF OF PROPOSED 8" POTABLE WATER MAIN

UTILITY CROSSING #22
STORM BOTTOM = 154.55
SAN. TOP = 151.58
SEPARATION = 2.97

SAN-21
48" MANHOLE
RIM = 160.29
INV SW = 151.07
INV NE = 151.17

HYDRANT 7

SP#8

8" GATE VALVE

354 LF 8" PVC @ 0.35%

SAN-22
48" MANHOLE
RIM = 161.54
INV SW = 149.73
INV NE = 149.83

UTILITY CROSSING #23
STORM BOTTOM = 155.81
SAN. TOP = 150.80
SEPARATION = 5.01

UTILITY CROSSING #08
STORM BOTTOM = 155.57
SAN. TOP = 148.60
SEPARATION = 6.97

UTILITY CROSSING #07
STORM BOTTOM = 152.61
SAN. TOP = 148.51
SEPARATION = 4.10

4,945 LF OF PROPOSED 6" RECLAIMED WATER MAIN

141 LF 8" PVC @ 0.35%

(1) 6" CROSS
(3) 6" GATE VALVE

UTILITY CROSSING #26
STORM BOTTOM = 155.06
SAN. TOP = 148.55
SEPARATION = 6.51

SINGLE RECLAIMED WATER SERVICE (TYP.)

274 LF 8" PVC @ 0.35%

SAN-23
48" MANHOLE
RIM = 162.23
INV W = 149.14
INV NE = 149.24

123 LF 8" PVC @ 0.35%

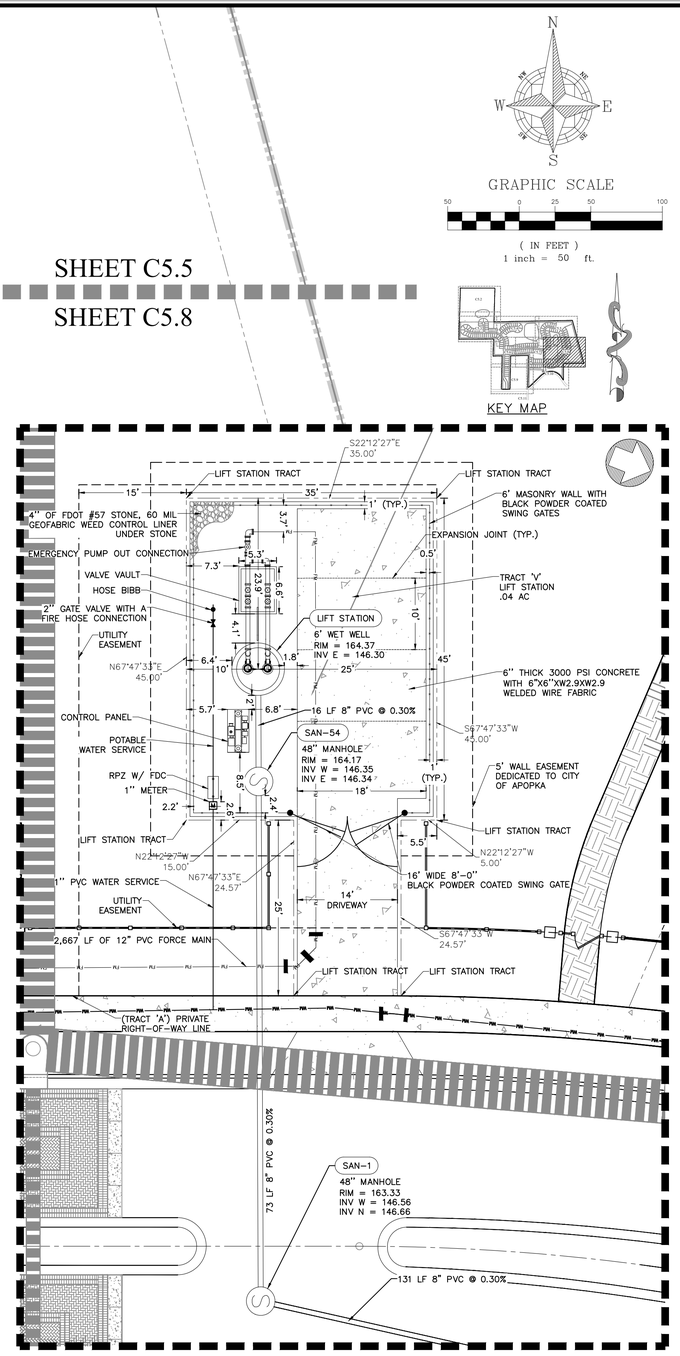
SAN-24
48" MANHOLE
RIM = 161.64
INV W = 148.61
INV E = 148.71

SAN-3
48" MANHOLE
RIM = 161.28
INV S = 147.55
INV N = 147.76
INV W = 148.00
INV E = 147.65

SINGLE POTABLE WATER SERVICE (TYP.)

UTILITY CROSSING #25
STORM BOTTOM = 155.79
SAN. TOP = 149.06
SEPARATION = 6.73

UTILITY CROSSING #02
STORM BOTTOM = 155.25
SAN. TOP = 148.02
SEPARATION = 7.23



KEY MAP

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

LIFT STATION DETAIL

SCALE: 1" = 10'

LIFT STATION NOTES:

1. FOR NON-RESIDENTIAL ROADS, DISTANCE BETWEEN EDGE OF PAVEMENT AND GATE SHALL BE 20' MINIMUM.
2. PUMP STATION TRACT (INCLUDING DRIVEWAY) AND UTILITY EASEMENT SHALL BE DEDICATED TO CITY OF APOPKA.
3. CONTROL PANEL DOOR HINGES TO BE LOCATED ON THE SIDE OF THE PANEL FARTHEST FROM THE WELL.
4. DRIVEWAY SUBGRADE TO BE 8" THICK. SUBGRADE TO BE COMPACTED TO A MINIMUM DENSITY 98% OF THE MAX DENSITY AS DETERMINED BY ASTM DI557.

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3	03/02/2026	SJRWMD COMMENTS DATED 02/20/2026	SKS

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(407) 558-2228

UTILITY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/1/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C5.8

LAKE CLASSON
No 77066
STATE OF FLORIDA
5/12/26
PROFESSIONAL ENGINEER

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N
W E
S

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

KEY MAP

SHEET C5.6
SHEET C5.9
SHEET C5.7
SHEET C5.9
SHEET C5.9
SHEET C5.10
SHEET C5.9
SHEET C5.11

HYDRANT 2
219 LF 8" PVC @ 0.40%
228 LF 8" PVC @ 0.40%
SINGLE SANITARY SEWER LATERAL (TYP.)
UTILITY CROSSING #35
STORM BOTTOM = 160.71
SAN. TOP = 159.71
SEPARATION = 1.00
SAN-36
48" MANHOLE
RIM = 167.54
INV N = 159.04
INV S = 160.17
SINGLE RECLAIMED WATER SERVICE (TYP.)
SP#14
3,636 LF OF PROPOSED 6" RECLAIMED WATER MAIN
SINGLE POTABLE WATER SERVICE (TYP.)
1,570 LF OF PROPOSED 12" POTABLE WATER MAIN
SAN-37
48" MANHOLE
RIM = 166.41
INV N = 161.08
INV E = 161.18
TRACT 'I'
50' LANDSCAPE BUFFER
3.71 AC
TRACT 'C'
STORMWATER POND 2
0.81 AC
TRACT 'A'
PRIVATE RIGHT-OF-WAY
13.68 AC
TRACT 'B'
STORMWATER POND 1
0.83 AC
IRRIGATION METER PLEASE REFER
TO IRRIGATION PLANS FOR SIZE
HYDRANT 1
TRACT 'L'
25' LANDSCAPE BUFFER
0.05 AC
TRACT 'K'
25' LANDSCAPE BUFFER
0.10 AC
64 LF OF 6" PVC RECLAIMED WATER MAIN
CONTRACTOR TO CONNECT TO 8" POTABLE WATER MAIN STUB OUT
FROM ONDICH SOUTH THROUGH 2" BLOW-OFF
(1) 2" BLOW-OFF
SP#15
8" PVC WATER MAIN PER APPROVED
CITY OF APOPKA CSP-25-15
6" PVC RECLAIMED WATER MAIN PER
APPROVED CITY OF APOPKA CSP-25-15
CONTRACTOR TO CONNECT TO 6" RECLAIMED MAIN STUB OUTS
FROM ONDICH SOUTH THROUGH 2" BLOWOFFS
1855 LF OF 12" PVC RECLAIMED WATER MAIN
714 LF OF 16" PVC WATER MAIN
HYDRANT 15
CONTRACTOR TO CONNECT TO 8" POTABLE WATER MAIN STUB OUT
FROM ONDICH SOUTH THROUGH 2" BLOW-OFF
SP#16
SAN-26
48" MANHOLE
RIM = 164.57
INV E = 160.46
INV NW = 160.56
(1) 8" TEE
(2) 8" GATE VALVE
(1) 12" TEE
(2) 12" GATE VALVES
(1) 12"X16" REDUCER
(1) 16" GATE VALVE
SP#3
PROPOSED HYDRANT
(1) 16" TEE
(1) 12" GATE VALVE
(1) 16" GATE VALVE
(1) 12"X16" REDUCER
HYDRANT 16
16" GATE VALVE
1855 LF
ONDICH SOUTH
(CITY OF APOPKA PROJECT CSP-25-15)
(ORANGE COUNTY E-PERMIT 25-E-058)

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REV	DATE	DESCRIPTION	BY
1	05/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	SSS
2	04/30/2026	JURMAD COMMENTS DATED 04/30/2026	SSS
3	05/05/2026	JURMAD COMMENTS DATED 05/05/2026	SSS

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BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

UTILITY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/1/2026
SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C5.9

LUKE CLASSON LICENSE No 77066 STATE OF 5/12/26 PROFESSIONAL ENGINEER

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SHEET C5.8

SHEET C5.10

SHEET C5.9

SHEET C5.10

SAN-27
48" MANHOLE
RIM = 164.92
INV SE = 160.82
INV NW = 160.92

66 LF 8" PVC @ 0.40%

(1) 6" TEE
(2) 6" GATE VALVE

UTILITY CROSSING #05
SAN. BOTTOM = 159.25
STORM TOP = 157.58
SEPARATION = 1.67

UTILITY CROSSING #06
SAN. BOTTOM = 159.95
STORM TOP = 158.37
SEPARATION = 1.58

UTILITY CROSSING #03
STORM BOTTOM = 152.43
SAN. TOP = 148.90
SEPARATION = 3.53

UTILITY CROSSING #04
SAN. BOTTOM = 158.78
STORM TOP = 156.84
SEPARATION = 1.94

302 LF 8" PVC @ 0.40%

UTILITY CROSSING #08
STORM BOTTOM = 155.57
SAN. TOP = 148.60
SEPARATION = 6.97

UTILITY CROSSING #07
STORM BOTTOM = 152.61
SAN. TOP = 148.51
SEPARATION = 4.10

4,945 LF OF PROPOSED 6" RECLAIMED WATER MAIN

SAN-22
48" MANHOLE
RIM = 161.54
INV SW = 149.73
INV NE = 149.83

UTILITY CROSSING #23
STORM BOTTOM = 155.81
SAN. TOP = 150.80
SEPARATION = 5.01

141 LF 8" PVC @ 0.35%

(1) 6" CROSS
(3) 6" GATE VALVE

UTILITY CROSSING #26
STORM BOTTOM = 155.06
SAN. TOP = 148.55
SEPARATION = 6.51

SINGLE RECLAIMED
WATER SERVICE (TYP.)

STREET

225 LF 8" PVC @ 0.40%

240 LF 8" PVC @ 1.00%

274 LF 8" PVC @ 0.35%

SAN-23
48" MANHOLE
RIM = 162.23
INV W = 149.14
INV NE = 149.24

SAN-26
48" MANHOLE
RIM = 164.57
INV E = 160.46
INV NW = 160.56

(1) 8" TEE
(2) 8" GATE VALVE

SP#7

HYDRANT 5

SINGLE RECLAIMED WATER SERVICE (TYP.)

SINGLE SANITARY SEWER LATERAL (TYP.)

SAN-25
48" DROP MANHOLE
RIM = 162.45
INV E = 150.40
INV W = 159.56

SP#6

(1) 12" CROSS
(2) 12"x8" REDUCER
(2) 8" GATE VALVE
(1) 12" GATE VALVE

SAN-3
48" MANHOLE
RIM = 161.28
INV S = 147.55
INV N = 147.76
INV W = 148.00
INV E = 147.65

SAN-24
48" MANHOLE
RIM = 161.64
INV W = 148.61
INV E = 148.71

123 LF 8" PVC @ 0.35%

SINGLE POTABLE
WATER SERVICE (TYP.)

UTILITY CROSSING #25
STORM BOTTOM = 155.79
SAN. TOP = 149.06
SEPARATION = 6.73

133 LF 8" PVC @ 0.30%

UTILITY CROSSING #02
STORM BOTTOM = 155.25
SAN. TOP = 148.02
SEPARATION = 7.23

HYDRANT 6

SAN-2
48" MANHOLE
RIM = 162.17
INV S = 147.05
INV N = 147.15

982 LF OF PROPOSED 12" POTABLE WATER MAIN

4,945 LF OF PROPOSED 6" RECLAIMED WATER MAIN

TRACT 'W'
TREE PRESERVATION
1.04 AC

SAN-1
48" MANHOLE
RIM = 163.33
INV W = 146.56
INV N = 146.66

131 LF 8" PVC @ 0.30%

UTILITY CROSSING #01
STORM BOTTOM = 151.95
SAN. TOP = 147.27
SEPARATION = 4.68

IRRIGATION METER PLEASE REFER
TO IRRIGATION PLANS FOR SIZE

TRACT 'Y'
TREE PRESERVATION
3.23 AC

SAN-54
48" MANHOLE
RIM = 164.17
INV W = 146.35
INV E = 146.34

(1) 6" TEE
(3) 6" GATE VALVE
(1) 12" CAP
(1) 12" PLUG VALVE

TRACT 'X'
LIFT STATION
0.04 AC

LIFT STATION
6' WET WELL
RIM = 164.37
INV E = 146.30
REFER TO DETAIL
ON SHEET C5.8

73 LF 8" PVC @ 0.30%

16 LF 8" PVC @ 0.30%

(1) 2" BLOW-OFF
(1) 6" GATE VALVE

SP#5

(1) 12"x6" WYE
(1) 6" PLUG VALVE
(2) 12" PLUG VALVE

SP#4

(1) 2" BLOW-OFF
(1) 12" GATE VALVE

(1) 12" TEE
(3) 12" GATE VALVE

TRACT 'D'
STORMWATER POND 3
4.62 AC

TRACT 'N'
25' LANDSCAPE BUFFER
0.45 AC

2,667 LF OF 12" PVC FORCE MAIN

1855 LF OF 12" PVC RECLAIMED WATER MAIN

1,055 LF OF 12" PVC WATER MAIN

TRACT 'M'
25' LANDSCAPE BUFFER
0.49 AC

HYDRANT 14

12" GATE VALVE

ZONE A

N
NE
E
SE
S
SW
W
NW

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

KEY MAP

BY	DESCRIPTION	DATE	REV
SSS	CITY OF APOPKA COMMENTS DATED 04/14/2026	05/12/2026	2
SSS	SJRWMD COMMENTS DATED 05/07/2026	04/30/2026	1
SSS	SJRWMD COMMENTS DATED 03/30/2026	03/02/2026	0

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MAITLAND, FLORIDA 32751
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UTILITY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L. CLASSON
DATE: 5/1/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C5.10

LUKE CLASSON
LICENSED
No 77066
STATE OF FLORIDA
5/12/26
PROFESSIONAL ENGINEER

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WATER MAIN

PROPOSED HYDRANT

(1) 16" TEE
(1) 12" GATE VALVE
(1) 16" GATE VALVE
(1) 12"X16" REDUCER

HYDRANT 16
16" GATE VALVE

SHEET C5.9

SHEET C5.11

MATCHLINE A–A

2,667 LF OF 12" PVC FORCE MAIN

1,559 LF OF 16" PVC WATER MAIN

1,611 LF OF 16" PVC RECLAIMED WATER MAIN

HYDRANT 17
16" GATE VALVE

SP#2

MATCHLINE A–A

HYDRANT 18
16" GATE VALVE

16" GATE VALVE

12" PLUG VALVE

2,667 LF OF 12" PVC FORCE MAIN

1,559 LF OF 16" PVC WATER MAIN

1,611 LF OF 16" PVC RECLAIMED WATER MAIN

CONTRACTOR TO CONNECT TO 16" PVC WATER MAIN THROUGH (2" BLOW-OFF) INSTALLED AT ONDICH SOUTH SUBDIVISION (1)

CONTRACTOR TO CONNECT TO 12" PVC FORCE MAIN THROUGH (12" CAP) INSTALLED AT ONDICH SOUTH SUBDIVISION (1)

CONTRACTOR TO CONNECT TO 16" PVC RECLAIMED WATER MAIN THROUGH (2" BLOW-OFF) INSTALLED AT ONDICH SOUTH SUBDIVISION (1)

SP#1

ONDICH SOUTH
(CITY OF APOPKA PROJECT CSP-25-15)
(ORANGE COUNTY E-PERMIT 25-E-058)

12" PVC FORCE MAIN PER APPROVED CITY OF APOPKA CSP-25-15

16" PVC WATER WATER MAIN PER APPROVED CITY OF APOPKA CSP-25-15

16" PVC RECLAIMED WATER MAIN PER APPROVED CITY OF APOPKA CSP-25-15

PAULETTE STREET

EFFIE DRIVE
60.00' RIGHT OF WAY WIDTH
ORB. 1448, PG. 221, &
ORB. 1437, PG. 42 &
NOT PLATTED

N
W E
S

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.

KEY MAP

REV	DATE	DESCRIPTION	BY
1	05/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/30/2026	SJRWMD COMMENTS DATED 04/07/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SCS

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2400 MAITLAND CENTER PKWY, SUITE 107
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(407) 558-2228
BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

UTILITY PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 5/1/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C5.11

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Sunshine State One Call of Florida, Inc.

LUKE CLASSON LICENSE No 77066 STATE OF 5/12/26 PROFESSIONAL ENGINEER

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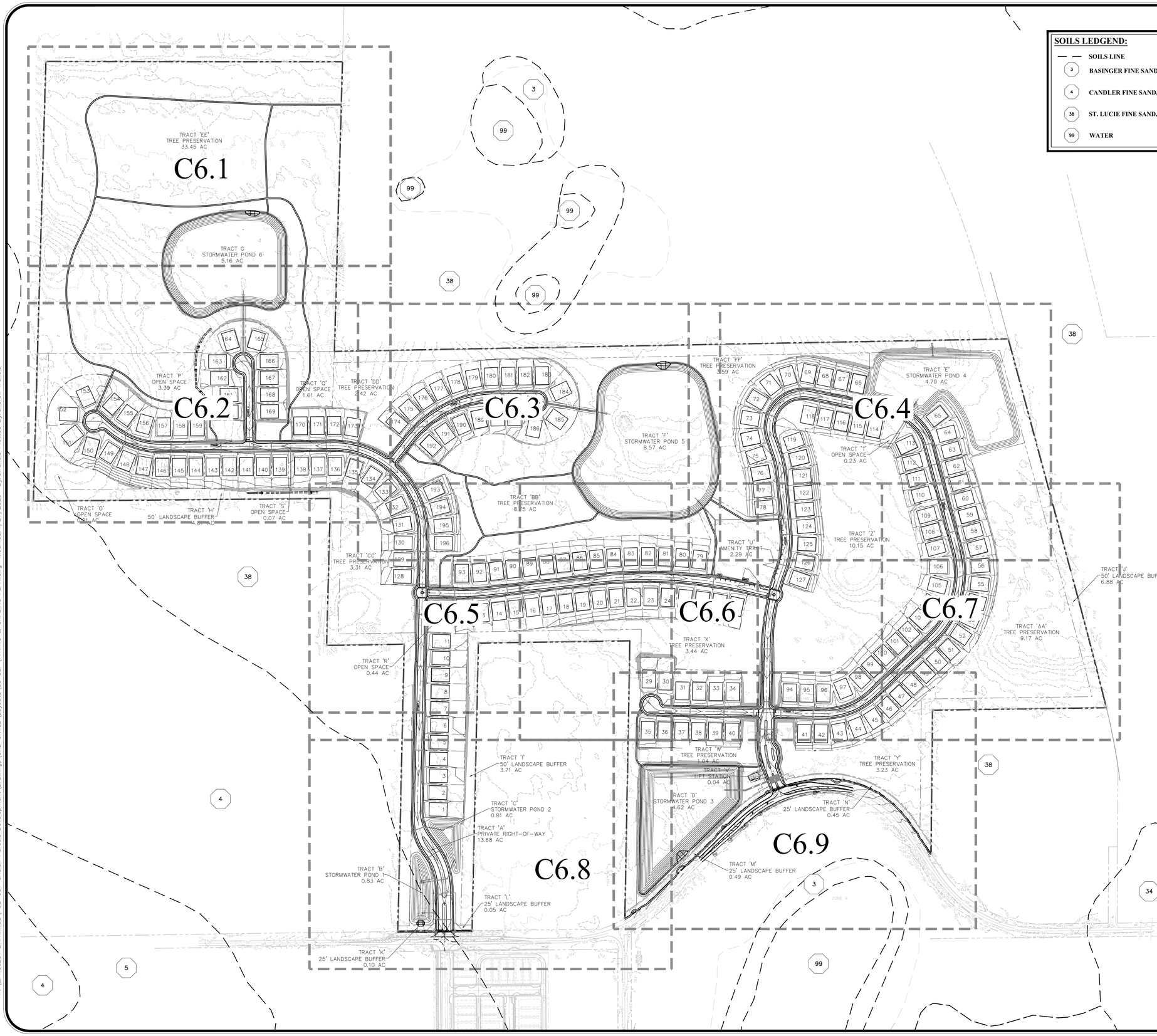


SOILS LEDGEND:

- SOILS LINE
- 3 — BASINGER FINE SAND, DEPRESSIONAL (HYD: A/D)
- 4 — CANDLER FINE SAND, 0 TO 5% SLOPES (HYD: A)
- 38 — ST. LUCIE FINE SAND, 0 TO 5% SLOPES (HYD: A)
- 99 — WATER

N

W E

S

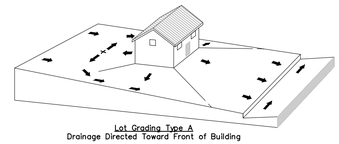
GRAPHIC SCALE

200 0 100 200 400

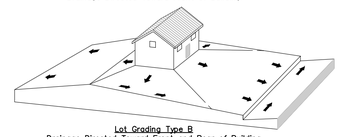
(IN FEET)
1 inch = 200 ft.

GRADING NOTES:

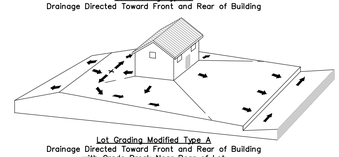
1. ALL GRADED LOTS SHALL PROVIDE A MINIMUM OF 2.0% SLOPE AWAY FROM THE HOUSE FOR A MINIMUM OF 5 FEET ON ALL SIDES.
2. FINISH FLOOR TO BE SET 1' ABOVE THE DESIGN HIGH WATER ELEVATION OF ADJACENT STORMWATER RETENTION / DETENTION PONDS.
3. FINISHED FLOORS HAVE A SEPARATION OF 8-INCHES FROM THE DIRT GRADE ADJACENT TO THE BUILDING PAD.
4. THE PROPOSED GRADES SHALL MATCH EXISTING GRADES AT THE PROPERTY LINE.
5. ALL SPOT ELEVATIONS WITHIN THE ROADWAYS ARE AT THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
6. PER CITY OF APOPKA DESIGN GUIDELINES, NO LOTS SHALL BE ALLOWED TO DRAIN ACROSS ADJACENT LOTS.
7. ALL AREAS DISTURBED DURING CONSTRUCTION, INCLUDING THE SIDE SLOPES OF THE PROPOSED DRY PONDS BUT EXCLUDING THE POND BOTTOM, SHALL BE GRASSED AND MULCHED UNLESS OTHERWISE SHOWN ON THE PLANS OR DETAILS.
8. POND TOP OF BANK AND SIDE SLOPES TO BE PLANTED WITH SAND BASED (NOT MUCH BASED) BAHIA SOD. POND BOTTOM TO BE SEEDED AND MULCHED.
9. PER THE GEOTECHNICAL EXPLORATION ANALYSIS REPORT PROVIDED BY UES DATED SEPTEMBER 9, 2025, IMPORTED FILL MATERIAL SHALL MEET GROUP A AND GROUP B QUALIFICATIONS. GROUP A ARE CONSIDERED TO BE CLEAN SANDY SOILS WITH LESS THAN 5% SOIL FINES. GROUP B ARE SANDS WITH SILT AND CLAY WITH CONTENTS OF 6 TO 12% SOIL FINES THAT MAY REQUIRE AERATION AND DRYING DURING PLACEMENT AND COMPACTION.
10. CONTRACTOR TO FOLLOW RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL EXPLORATION ANALYSIS REPORTS PROVIDED BY UES DATED SEPTEMBER 9, 2025, AS WELL AS ANY SUPPLEMENTAL REPORTS ISSUED FOR THE ONDICH NORTH PROJECT SUCH AS THE ONE DATED NOVEMBER 3, 2025.
11. ALL DITCH-BOTTOM INLETS OUTSIDE OF PAVEMENT SHALL HAVE A CONCRETE COLLAR.



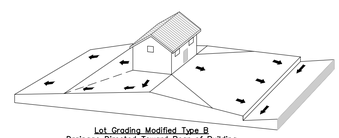
Lot Grading Type A
Drainage Directed Toward Front of Building



Lot Grading Type B
Drainage Directed Toward Front and Rear of Building



Lot Grading Modified Type A
Drainage Directed Toward Front and Rear of Building with Grade Break Near Rear of Lot



Lot Grading Modified Type B
Drainage Directed Toward Rear of Building with Grade Break at Front Setback

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REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	SSS
2	04/30/2026	SJRWMD COMMENTS DATED 04/30/2026	SSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SSS

1828 ENGINEERING
BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060
2400 MAITLAND CENTER PKWY, SUITE 107
MAITLAND, FLORIDA 32751
(407) 558-2228

OVERALL PAVING & GRADING PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/27/2026

SCALE: 1" = 200'
PROJECT: PUL-037
SHEET: C6.0

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\PAVING & GRADING PLAN.dwg Modified:4/27/2026 By:afrancis Plotted By:andrew francis

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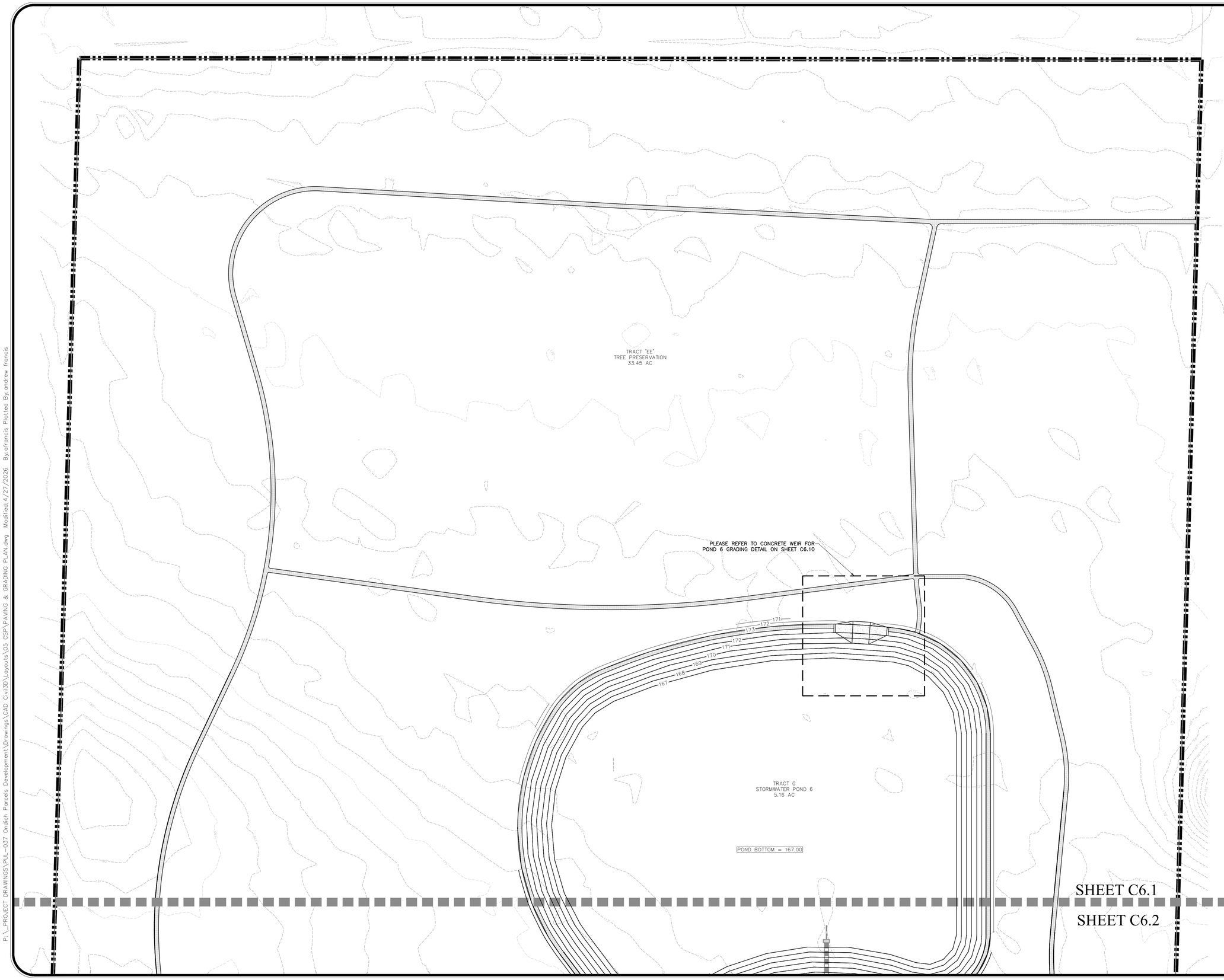
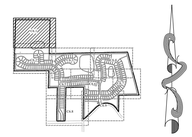


N
W E
S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.



REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/07/2026	SJRWMD COMMENTS DATED 04/07/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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(407) 558-2228
BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

PAVING & GRADING PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/27/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C6.1

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LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER
5/12/26

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4/27/2026 By:afrancis Plotted By:andrew.francis

POND BOTTOM = 167.00

SHEET C6.1

SHEET C6.2

SHEET C6.2

SHEET C6.3

TRACT 'P'
OPEN SPACE
3.39 AC

TRACT 'Q'
OPEN SPACE
1.61 AC

TRACT 'DD'
TREE PRESERV.
2.42 AC

STREET A

STREET D

TRACT 'O'
OPEN SPACE
0.91 AC

TRACT 'H'
50' LANDSCAPE BUFFER
4.87 AC

TRACT 'S'
OPEN SPACE
0.07 AC

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

BY	DESCRIPTION	DATE	REV
SSS	CITY OF APOPKA COMMENTS DATED 04/14/2026	05/12/2026	1
SSS	S.JIRMO COMMENTS DATED 04/30/2026	04/30/2026	2
SSS	S.JIRMO COMMENTS DATED 05/07/2026	05/07/2026	3

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PAVING & GRADING PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/27/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C6.2

LUKE CLASSON
LICENSE
No 77066
STATE OF FLORIDA
5/12/26
PROFESSIONAL ENGINEER

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N
W E
S

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

PLEASE REFER TO CONCRETE WEIR FOR POND 5 GRADING DETAIL ON SHEET C6.10

SHEET C6.2
SHEET C6.3

TRACT 'DD'
TREE PRESERV.
2.42 AC

STREET E

LOT TYPE 'A' FFE=175.03
LOT TYPE 'A' FFE=174.14
LOT TYPE 'A' FFE=173.23
LOT TYPE 'A' FFE=172.32
LOT TYPE 'A' FFE=171.41
LOT TYPE 'A' FFE=170.50
LOT TYPE 'A' FFE=169.58
LOT TYPE 'A' FFE=168.54
LOT TYPE 'A' FFE=167.53
LOT TYPE 'A' FFE=166.77
LOT TYPE 'A' MOD FFE=166.40
LOT TYPE 'A' MOD FFE=166.51
LOT TYPE 'A' MOD FFE=166.61
LOT TYPE 'A' MOD FFE=168.23
LOT TYPE 'A' MOD FFE=169.37
LOT TYPE 'A' MOD FFE=170.73
LOT TYPE 'A' MOD FFE=172.08
LOT TYPE 'A' MOD FFE=173.44
LOT TYPE 'A' MOD FFE=174.78
LOT TYPE 'A' FFE=176.93
LOT TYPE 'A' FFE=176.57
LOT TYPE 'A' FFE=175.19
LOT TYPE 'A' FFE=173.78
LOT TYPE 'A' FFE=172.38
LOT TYPE 'B' MOD FFE=174.04
LOT TYPE 'B' MOD FFE=173.20
LOT TYPE 'B' MOD FFE=172.36
LOT TYPE 'B' MOD FFE=171.51

LP 163.59
HP 174.83

TRACT 'BB'
TREE PRESERVATION
8.75 AC

TRACT 'F'
STORMWATER POND 5
8.57 AC

POND BOTTOM = 158.00

SHEET C6.3
SHEET C6.4

SHEET C6.3
SHEET C6.5

SHEET C6.3
SHEET C6.6

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REV.	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/30/2026	S.JUNIO COMMENTS DATED 05/01/2026	SSS
3	05/07/2026	S.JUNIO COMMENTS DATED 05/07/2026	SSS

1828 ENGINEERING
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2400 MAITLAND CENTER PKWY, SUITE 107
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PAVING & GRADING PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/27/2026
SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C6.3

LAKE CLASSON
LICENSED
No 77066
STATE OF FLORIDA
PROFESSIONAL ENGINEER
5/12/26

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N

W E

S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/30/2026	S.JHMD COMMENTS DATED 05/30/2026	SCS
3	05/07/2026	S.JHMD COMMENTS DATED 05/07/2026	SCS

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BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

PAVING & GRADING PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/27/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C6.4

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER
5/12/26

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TRACT 'FF'
TREE PRESERVATION
3.59 AC

TRACT 'E'
STORMWATER POND 4
4.70 AC

POND BOTTOM = 153.00

TRACT 'I'
OPEN SPACE
0.23 AC

TRACT 'J'
TREE PRESERVATION
10.15 AC

TRACT 'V'
AMENITY TRACT
2.29 AC

STREET

SHEET C6.3
SHEET C6.4
SHEET C6.4
SHEET C6.6
SHEET C6.4
SHEET C6.7
SHEET C6.6
SHEET C6.7

SHEET C6.2
SHEET C6.5

SHEET C6.3
SHEET C6.5

SHEET C6.3
SHEET C6.6

SHEET C6.5
SHEET C6.6

SHEET C6.5
SHEET C6.8

SHEET C6.6
SHEET C6.8

TRACT 'BB'
TREE PRESERVATION
8.75 AC

TRACT 'CC'
TREE PRESERVATION
3.31 AC

TRACT 'R'
OPEN SPACE
0.44 AC

STREET A

STREET B

LOT TYPE 'A' FFE=176.57
LOT TYPE 'A' FFE=175.19
LOT TYPE 'A' FFE=173.78
LOT TYPE 'A' FFE=172.38
LOT TYPE 'A' FFE=171.36
LOT TYPE 'A' FFE=170.41
LOT TYPE 'B' MOD FFE=174.04
LOT TYPE 'B' MOD FFE=173.20
LOT TYPE 'B' MOD FFE=172.36
LOT TYPE 'B' MOD FFE=171.51
LOT TYPE 'A' FFE=167.10
LOT TYPE 'A' FFE=167.52
LOT TYPE 'A' FFE=167.90
LOT TYPE 'A' MOD FFE=168.65
LOT TYPE 'A' MOD FFE=168.87
LOT TYPE 'A' MOD FFE=168.87
LOT TYPE 'A' MOD FFE=168.72
LOT TYPE 'A' MOD FFE=168.37
LOT TYPE 'A' MOD FFE=168.01
LOT TYPE 'A' MOD FFE=167.65
LOT TYPE 'A' MOD FFE=167.28
LOT TYPE 'A' MOD FFE=166.91
LOT TYPE 'A' FFE=167.18
LOT TYPE 'A' FFE=167.54
LOT TYPE 'A' FFE=167.85
LOT TYPE 'A' FFE=168.23
LOT TYPE 'A' FFE=168.60
LOT TYPE 'A' MOD FFE=168.86
LOT TYPE 'A' MOD FFE=168.86
LOT TYPE 'A' MOD FFE=168.76
LOT TYPE 'A' MOD FFE=168.40
LOT TYPE 'A' MOD FFE=168.19
LOT TYPE 'A' MOD FFE=166.91
LOT TYPE 'A' MOD FFE=167.20
LOT TYPE 'A' MOD FFE=166.80
LOT TYPE 'A' FFE=169.51
LOT TYPE 'A' FFE=170.21
LOT TYPE 'A' FFE=170.78
LOT TYPE 'A' FFE=170.85
LOT TYPE 'A' FFE=170.85
LOT TYPE 'A' FFE=170.50
LOT TYPE 'A' FFE=167.64
LOT TYPE 'A' FFE=167.30

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 02/12/2026	DSS
2	04/10/2026	SJRWMD COMMENTS DATED 04/10/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SGS

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MAITLAND, FLORIDA 32751
(407) 558-2228
BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

PAVING & GRADING PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/27/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C6.5

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER
5/12/26
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TRACT 'BB'
TREE PRESERVATION
8.75 AC

SHEET C6.3
SHEET C6.5
SHEET C6.3
SHEET C6.6
SHEET C6.4
SHEET C6.6
SHEET C6.6
SHEET C6.7
SHEET C6.5
SHEET C6.6
SHEET C6.6
SHEET C6.9
SHEET C6.5
SHEET C6.8
SHEET C6.6
SHEET C6.8

STREET 'D'
STREET 'C'

TRACT 'U'
AMENITY TRACT
2.29 AC

TRACT 'X'
TREE PRESERVATION
3.44 AC

PLEASE REFER TO SHEET C6.10 FOR ACCESSIBLE PARKING GRADING DETAIL

LOT TYPE 'A' MOD FFE=168.65 — 89
LOT TYPE 'A' MOD FFE=168.87 — 88
LOT TYPE 'A' MOD FFE=168.87 — 87
LOT TYPE 'A' MOD FFE=168.72 — 86
LOT TYPE 'A' MOD FFE=168.37 — 85
LOT TYPE 'A' MOD FFE=168.01 — 84
LOT TYPE 'A' MOD FFE=167.65 — 83
LOT TYPE 'A' MOD FFE=167.28 — 82
LOT TYPE 'A' MOD FFE=166.91 — 81
LOT TYPE 'A' MOD FFE=166.55 — 80
LOT TYPE 'A' MOD FFE=166.18 — 79
LOT TYPE 'A' MOD FFE=168.60 — 16
LOT TYPE 'A' MOD FFE=168.86 — 17
LOT TYPE 'A' MOD FFE=168.86 — 18
LOT TYPE 'A' MOD FFE=168.76 — 19
LOT TYPE 'A' MOD FFE=168.40 — 20
LOT TYPE 'A' MOD FFE=168.19 — 21
LOT TYPE 'A' MOD FFE=166.91 — 22
LOT TYPE 'A' MOD FFE=167.20 — 23
LOT TYPE 'A' MOD FFE=166.80 — 24
LOT TYPE 'A' MOD FFE=166.40 — 25
LOT TYPE 'A' FFE=166.00 — 26
LOT TYPE 'A' FFE=166.01 — 27
LOT TYPE 'A' FFE=166.75 — 28
LOT TYPE 'A' FFE=167.64 — 29
LOT TYPE 'A' FFE=167.30 — 30
LOT TYPE 'A' FFE=166.35 — 31
LOT TYPE 'A' FFE=165.64 — 32
LOT TYPE 'A' FFE=164.92 — 33
LOT TYPE 'A' FFE=164.20 — 34
LOT TYPE 'A' MOD FFE=167.52 — 35
LOT TYPE 'A' MOD FFE=166.96 — 36
LOT TYPE 'A' FFE=166.35 — 37
LOT TYPE 'A' FFE=165.64 — 38
LOT TYPE 'A' FFE=164.92 — 39
LOT TYPE 'A' FFE=164.20 — 40
LOT TYPE 'A' FFE=163.60 — 41
LOT TYPE 'A' FFE=164.11 — 42
LOT TYPE 'A' FFE=164.44 — 43
LOT TYPE 'A' FFE=164.65 — 45
LOT TYPE 'A' FFE=163.81 — 99
LOT TYPE 'A' FFE=164.29 — 98
LOT TYPE 'A' FFE=164.31 — 97
LOT TYPE 'A' FFE=164.14 — 96
LOT TYPE 'A' FFE=163.63 — 95
LOT TYPE 'A' FFE=163.26 — 94
LOT TYPE 'A' MOD FFE=166.28 — 77
LOT TYPE 'A' MOD FFE=166.46 — 78
LOT TYPE 'B' MOD FFE=165.74 — 122
LOT TYPE 'B' MOD FFE=165.74 — 123
LOT TYPE 'B' MOD FFE=165.69 — 124
LOT TYPE 'B' MOD FFE=165.74 — 125
LOT TYPE 'B' MOD FFE=166.07 — 126
LOT TYPE 'B' MOD FFE=167.25 — 127

HP 166.69
HP 165.08
LP 163.58
LP 163.46
LP 161.18
LP 160.75
P 160.70
HP 165.43

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 02/12/2026	DSS
2	04/30/2026	S.JWMD COMMENTS DATED 04/30/2026	DSS
3	05/07/2026	S.JWMD COMMENTS DATED 05/07/2026	SCS

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MAITLAND, FLORIDA 32751
(407) 558-2228

PAVING & GRADING PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/27/2026
SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C6.6

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Sunshine State One Call of Florida, Inc.

LUKE CLASSON LICENSE No 77066 STATE OF 5/12/26 FLORIDA PROFESSIONAL ENGINEER

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SHEET C6.4

SHEET C6.7

SHEET C6.6

SHEET C6.7

TRACT "2"
TREE PRESERVATION
10.15 AC

STREET "B"

STREET C

SHEET C6.6

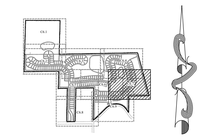
SHEET C6.7

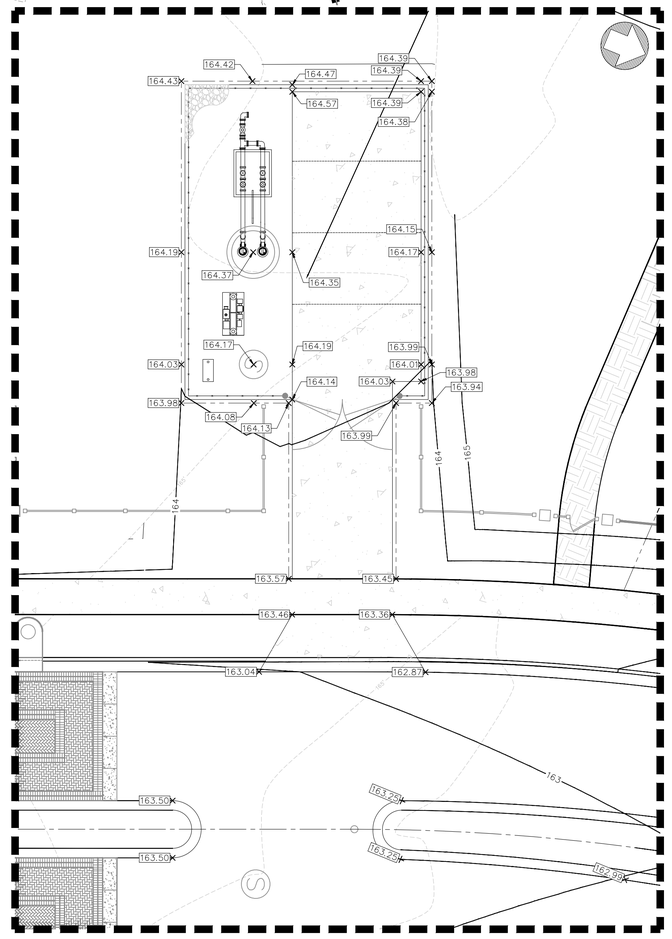
SHEET C6.7

SHEET C6.9

N
W E
S

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.





LIFT STATION GRADING DETAIL

SCALE: 1" = 10'

REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 02/12/2026	DSS
2	04/30/2026	S.JIMMO COMMENTS DATED 04/30/2026	DSS
3	05/07/2026	S.JIMMO COMMENTS DATED 05/07/2026	SCS

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PAVING & GRADING PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/27/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C6.7

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5/12/26

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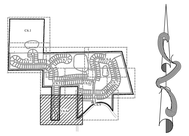
N
W
E
S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.



SHEET C6.5
SHEET C6.8

SHEET C6.6
SHEET C6.8

SHEET C6.8
SHEET C6.9

LOT TYPE 'A' FFE=170.50 — 6
LOT TYPE 'A' FFE=170.13 — 5
LOT TYPE 'A' FFE=169.76 — 4
LOT TYPE 'A' FFE=169.38 — 3
LOT TYPE 'A' FFE=169.01 — 2
LOT TYPE 'A' FFE=168.66 — 1
LOT TYPE 'A' MOD FFE=167.52 — 35
LOT TYPE 'A' MOD FFE=166.96 — 36

TRACT 'I'
50' LANDSCAPE BUFFER
3.71 AC

TRACT 'C'
STORMWATER POND 2
0.81 AC

TRACT 'A'
PRIVATE RIGHT-OF-WAY
13.68 AC

TRACT 'B'
STORMWATER POND 1
0.83 AC

PLEASE REFER TO CONCRETE WEIR FOR
POND 1 GRADING DETAIL ON SHEET C6.10

POND BOTTOM = 158.50
POND BOTTOM = 157.00

TRACT 'L'
25' LANDSCAPE BUFFER
0.05 AC

TRACT 'K'
25' LANDSCAPE BUFFER
0.10 AC

IMPROVEMENTS TO ONDICH ROAD TO BE
PERMITTED THROUGH ORANGE COUNTY

M.E.G.

ALLEY 'F'

EFFIE DRIVE
60.00 RIGHT OF WAY WIDTH
ORB 1446, PG 724 &
ORB 1446, PG 727

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Sunshine State One Call of Florida, Inc.

REV.	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	SSS
2	04/10/2026	SJRWMD COMMENTS DATED 03/30/2026	SSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SSS

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PAVING & GRADING PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/27/2026
SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C6.8

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5/12/26

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N
W E
S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

SHEET C6.6
SHEET C6.7
SHEET C6.9
SHEET C6.8
SHEET C6.9

LOT TYPE 'A' FFE=166.35 — 31
LOT TYPE 'A' FFE=165.64 — 32
LOT TYPE 'A' FFE=164.92 — 33
LOT TYPE 'A' FFE=164.20 — 34
LOT TYPE 'A' MOD FFE=166.35 — 37
LOT TYPE 'A' FFE=165.64 — 38
LOT TYPE 'A' FFE=164.92 — 39
LOT TYPE 'A' FFE=164.20 — 40
LOT TYPE 'A' FFE=163.60 — 41
LOT TYPE 'A' FFE=164.11 — 42
LOT TYPE 'A' FFE=164.44 — 43
LOT TYPE 'A' FFE=164.65 — 44
LOT TYPE 'A' FFE=164.65 — 45
LOT TYPE 'A' FFE=164.30 — 46
LOT TYPE 'A' FFE=163.80 — 47
LOT TYPE 'A' FFE=163.43 — 48
LOT TYPE 'A' FFE=164.29 — 98
LOT TYPE 'A' FFE=164.31 — 97
LOT TYPE 'A' FFE=164.14 — 96
LOT TYPE 'A' FFE=163.63 — 95
LOT TYPE 'A' FFE=163.26 — 94

STREET C
LP 160.75
LP 160.70
LP 163.46

TRACT 'W'
TREE PRESERVATION
1.04 AC

TRACT 'Y'
TREE PRESERVATION
3.23 AC

TRACT 'V'
LIFT STATION
0.04 AC

TRACT 'D'
STORMWATER POND 3
4.62 AC

TRACT 'N'
25' LANDSCAPE BUFFER
0.45 AC

TRACT 'M'
25' LANDSCAPE BUFFER
0.49 AC

POND BOTTOM = 151.50

PLEASE REFER TO SHEET C6.7 FOR LIFT STATION GRADING DETAIL

PLEASE REFER TO SHEET C6.10 FOR VISITOR ENTRANCE GRADING DETAIL

PLEASE REFER TO CONCRETE WEIR FOR POND 3 GRADING DETAIL ON SHEET C6.10

IMPROVEMENTS TO ONDICH ROAD TO BE PERMITTED THROUGH ORANGE COUNTY

ZONE A

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3	05/07/2026	S.JHMD COMMENTS DATED 05/07/2026	SCS

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PAVING & GRADING PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/27/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C6.9

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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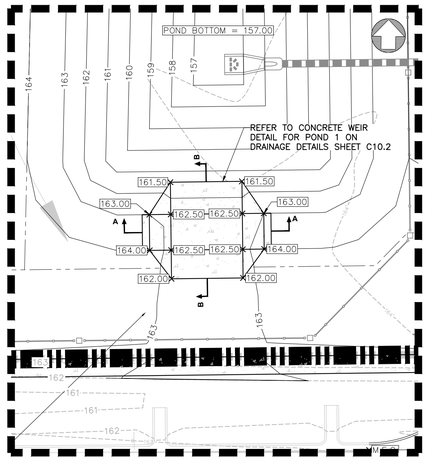
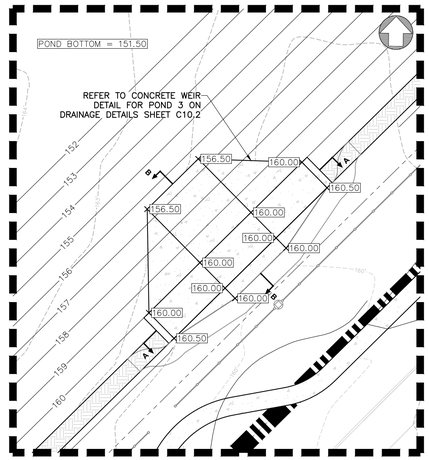


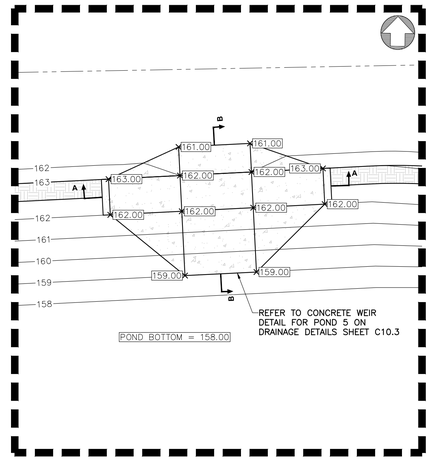
CONCRETE WEIR FOR POND 1 GRADING DETAIL

SCALE: 1" = 20'



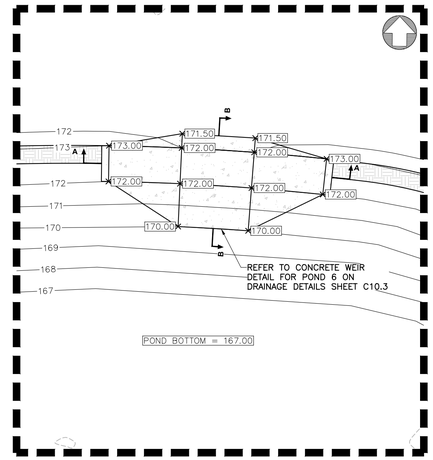
CONCRETE WEIR FOR POND 3 GRADING DETAIL

SCALE: 1" = 20'



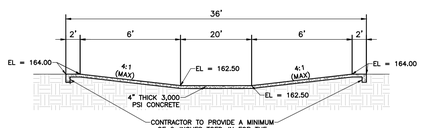
CONCRETE WEIR FOR POND 5 GRADING DETAIL

SCALE: 1" = 20'



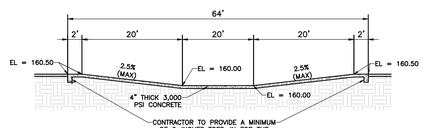
CONCRETE WEIR FOR POND 6 GRADING DETAIL

SCALE: 1" = 20'



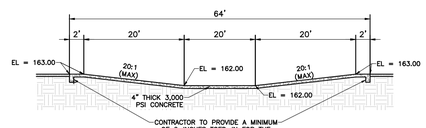
POND 1 WEIR SECTION A-A

N.T.S.



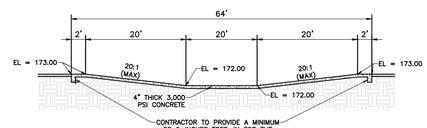
POND 3 WEIR SECTION A-A

N.T.S.



POND 5 WEIR SECTION A-A

N.T.S.



POND 6 WEIR SECTION A-A

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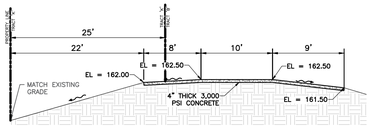
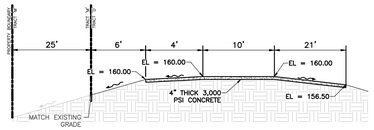


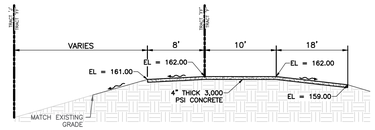
POND 1 WEIR SECTION B-B

N.T.S.



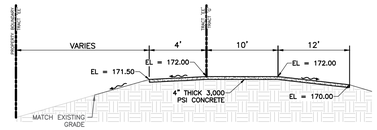
POND 3 WEIR SECTION B-B

N.T.S.



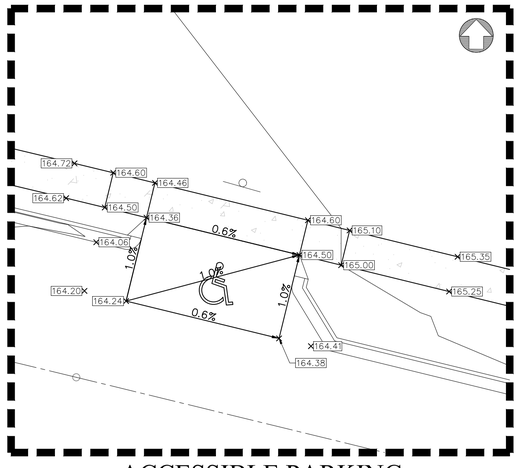
POND 5 WEIR SECTION B-B

N.T.S.



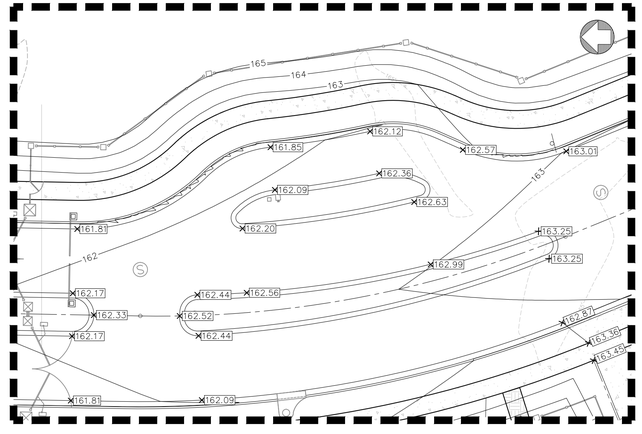
POND 6 WEIR SECTION B-B

N.T.S.



ACCESSIBLE PARKING GRADING DETAIL

SCALE: 1" = 10'



VISITOR ENTRANCE GRADING DETAIL

SCALE: 1" = 20'

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REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 01/14/2026	DSS
2	04/30/2026	SJRWMD COMMENTS DATED 04/30/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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MAITLAND, FLORIDA 32751
(407) 558-2228
BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

GRADING DETAILS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/27/2026

SCALE: ########
PROJECT: PUL-037
SHEET: C6.10

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LICENSE
No 77066
STATE OF 5/12/26
FLORIDA
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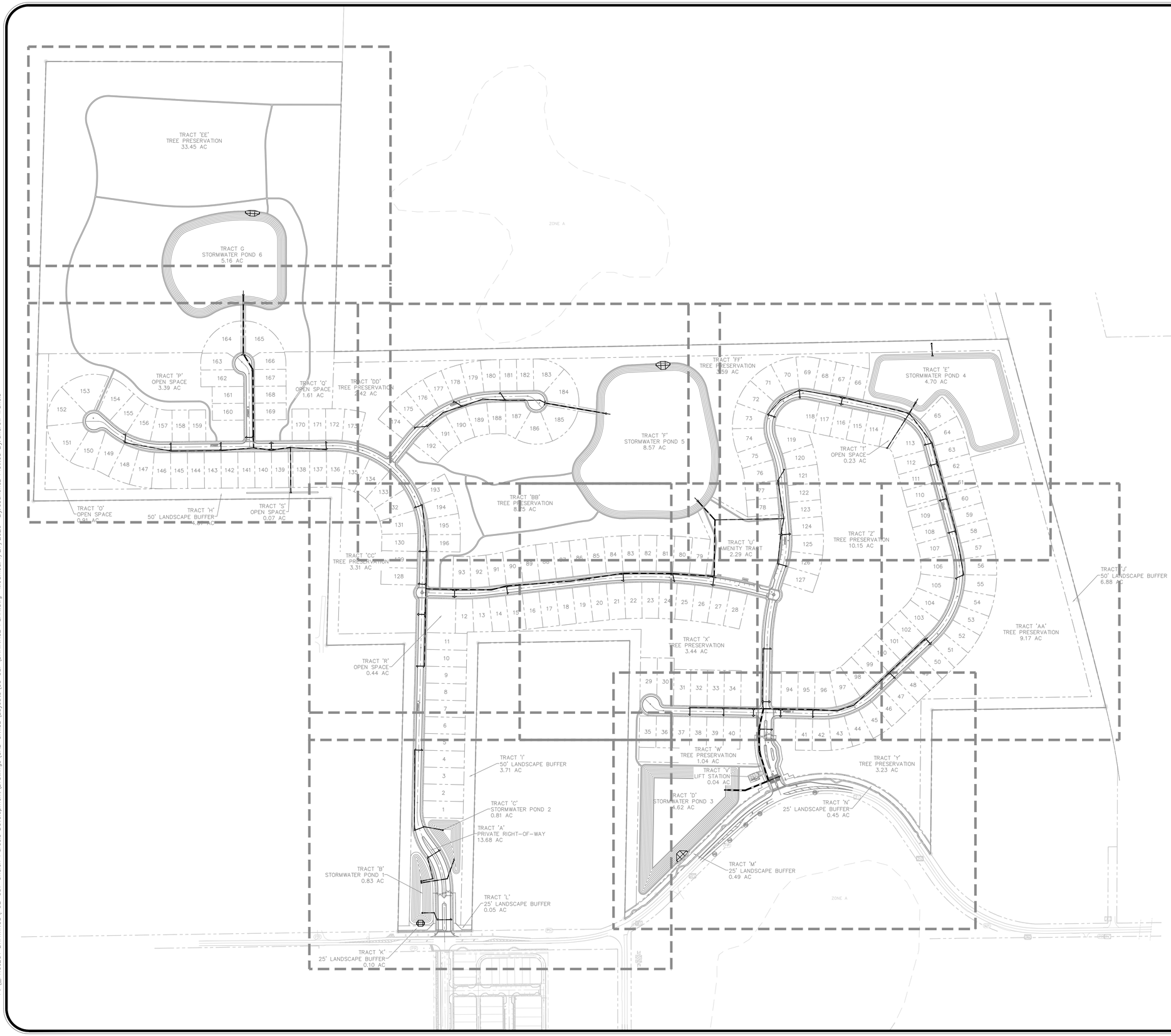

N

W E

S

GRAPHIC SCALE

200 0 100 200 400

(IN FEET)
1 inch = 200 ft.

DRAINAGE NOTES:

1. ALL STORM PIPE TO BE ADS HP STORM OR RCP CLASS III. ADS HP STORM PROFILE WALL POLYPROPYLENE SHALL MEET OR EXCEED AASHTO M330, ASTM F2736 (12"–30") AND ASTM F2881 (36"–60"). PIPE SHALL BE JOINED BY WATERTIGHT, DUAL GASKETED INTEGRAL BELL, REINFORCED BY A POLYMER COMPOSITE BAND AND SPIGOT. INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D2321. MANUFACTURER OF POLYPROPYLENE PIPE MUST MEET THE REQUIREMENTS OF FDOT SECTION 948–7.2 (CLASS II 100YR DSL) AND LISTED ON THE FDOT APPROVED PRODUCERS LIST FOR CLASS II CORRUGATED POLYPROPYLENE PIPE 12"–60".
2. ALL REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS III UNLESS OTHERWISE SPECIFIED.
3. ALL REINFORCED CONCRETE PIPE (RCP) JOINTS SHALL BE WRAPPED PER FDOT 2025–2026 STANDARD INDEX 430–001.
4. ALL DRAINAGE STRUCTURE INVERTS ARE TO BE POURED PER FDOT 2025–2026 STANDARD INDEX 425–020.
5. ALL INLET GRATES ARE REQUIRED TO BE CHAINED.
6. POND TOP OF BANK AND SIDE SLOPES TO BE PLANTED WITH SAND BASED (NOT MUCK BASED) BAHIA SOD.
7. GEOTECHNICAL ENGINEER IS REQUIRED TO BE PRESENT TO INSPECT ALL EARTHWORK PROCEDURES IN ORDER TO PROVIDE PROPER DOCUMENTATION OF THE EARTHWORK ACTIVITIES.
8. MITERED END SECTIONS ARE TO BE INSTALLED AND CONSTRUCTED PER ALL APPLICABLE DETAILS LOCATED WITHIN THESE SITE CONSTRUCTION PLANS.
9. ALL DETENTION AND RETENTION PONDS SHALL BE DESIGNED AS DRY BOTTOM PONDS.
10. ALL PIPES ARE REQUIRED TO BE LASER PROFILED AT PROJECT CLOSEOUT. ⚠

REV	DATE	DESCRIPTION	BY
⚠	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
⚠	04/30/2026	SJRWMD COMMENTS DATED 04/30/2026	DSS
⚠	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060
2400 MAITLAND CENTER PKWY, SUITE 107
MAITLAND, FLORIDA 32751
(407) 558-2228

OVERALL DRAINAGE PLAN
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 200'
PROJECT: PUL-037
SHEET: C7.0

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TRACT "EE"
TREE PRESERVATION
33.45 AC

TRACT G
STORMWATER POND 6
5.16 AC

21 C10.3 CONCRETE WEIR FOR POND 6

20 LF 12" PERFORATED HDPE @ 0.00%

14 C10.2 PLEASE REFER TO MODIFIED TYPE-H INLET BU-5.6 DETAIL ON SHEET 10.2

BU-6
MODIFIED TYPE H INLET
RIM = 167.00
INV S = 159.50
INV N = 162.00

SHEET C7.1

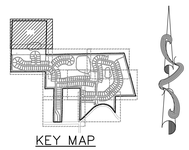
SHEET C7.2

N
W E
S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.



KEY MAP

REV.	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/07/2026	SJRWMD COMMENTS DATED 04/07/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

DRAINAGE PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C7.1

LAKE CLASSON
LICENSED
No 77066
STATE OF FLORIDA
PROFESSIONAL ENGINEER
5/12/26

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P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\DRAINAGE PLAN.dwg Modified:4/27/2026 By:osanchez Plotted By:andrew.francis

SHEET C7.1
SHEET C7.2

20 LF 12" PERFORATED HDPE @ 0.00%

14 / C10.2 PLEASE REFER TO MODIFIED TYPE-H INLET BU-5.6 DETAIL ON SHEET 10.2

BU-6
MODIFIED TYPE H INLET
RIM = 167.00
INV S = 159.50
INV N = 162.00

264 LF 48" ADS HP @ 0.93%

D-4
TYPE 2 INLET
RIM = 173.19
INV SE = 161.94
INV N = 161.94

83 LF 48" ADS HP @ 0.20%

D-3
TYPE 3R INLET
RIM = 173.61
INV NW = 161.77
INV S = 161.77

S31°21'24"E
5.07'

2.6'

303 LF 48" ADS HP @ 0.20%

S0°30'28"E
315.43'

STREET D

DRAINAGE EASEMENT

36 LF 18" ADS HP @ 0.50%

D-2
TYPE 3L INLET
RIM = 172.67
INV N = 161.17
INV S = 164.17
INV W = 166.99

D-1
TYPE 3R INLET
RIM = 172.67
INV E = 167.17

A-23
TYPE 2 INLET
RIM = 172.09
INV S = 166.60

A-21
TYPE 3R INLET
RIM = 173.49
INV S = 167.99

A-30
TYPE 1L INLET
RIM = 175.54
INV S = 170.04

38 LF 18" ADS HP @ 0.50%

A-29
TYPE 1R INLET
RIM = 175.47
INV N = 169.85
INV E = 169.35

210 LF 18" ADS HP @ 0.47%

A-28
TYPE 3L INLET
RIM = 174.36
INV S = 168.86

36 LF 18" ADS HP @ 0.50%

A-26
TYPE 3L INLET
RIM = 173.14
INV S = 167.64

36 LF 18" ADS HP @ 0.50%

STREET A

47 LF 36" ADS HP @ 0.20%

146 LF 24" ADS HP @ 0.74%

86 LF 36" ADS HP @ 0.20%

161 LF 18" ADS HP @ 0.24%

224 LF 18" ADS HP @ 0.55%

A-27
TYPE 3R INLET
RIM = 174.36
INV E = 167.86
INV N = 168.68
INV W = 168.36

S79°38'00"E
13.77'

DRAINAGE EASEMENT

N89°29'05"E
224.46'

2.6'

A-25
TYPE 3R INLET
RIM = 173.14
INV W = 166.64
INV E = 166.64
INV N = 167.46

5' DRAINAGE EASEMENT (TYP.)

N85°02'19"E
33.53'

A-24
72" DIA MANHOLE
RIM = 172.06
INV N = 164.26
INV W = 165.56
INV E = 164.26

A-22
TYPE 2 INLET
RIM = 172.09
INV W = 164.42
INV E = 164.43
INV N = 166.42

81 LF 36" ADS HP @ 0.20%

202 LF 24" ADS HP @ 0.20%

A-31
72" DIA MANHOLE
RIM = 172.11
INV W = 164.60
INV E = 166.92
INV S = 164.60

20' DRAINAGE EASEMENT

A-20
TYPE 3L INLET
RIM = 173.50
INV W = 167.31
INV N = 167.81

S-1
TYPE H INLET
RIM = 171.00
INV N = 165.00

TRACT 'P'
OPEN SPACE
3.39 AC

TRACT 'Q'
OPEN SPACE
1.61 AC

TRACT 'DD'
TREE PRESERVATION
2.42 AC

TRACT 'O'
OPEN SPACE
0.91 AC

TRACT 'H'
50' LANDSCAPE BUFFER
4.87 AC

TRACT 'S'
OPEN SPACE
0.07 AC

SHEET C7.2
SHEET C7.3

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N
W E
S

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

KEY MAP

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DRAINAGE PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C7.2

LUKE CLASSON LICENSE No 77066 STATE OF 5/12/26 PROFESSIONAL ENGINEER

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N
W E
S

GRAPHIC SCALE

50 0 25 50 100

(IN FEET)
1 inch = 50 ft.

KEY MAP

TRACT 'DD'
TREE PRESERVATION
2.42 AC

SHEET C7.2
SHEET C7.3

E-1
TYPE 3L INLET
RIM = 171.99
INV E = 166.50

57 LF 18" ADS HP @ 1.04%

E-2
TYPE 3R INLET
RIM = 171.40
INV NE = 164.41
INV W = 165.91

S41°32'31"E
2.63'

95 LF 18" ADS HP @ 0.64%

E-3
48" DIA MANHOLE
RIM = 169.80
INV E = 163.80
INV SW = 163.80

N48°52'40"E
53.51'

DRAINAGE EASEMENT

89 LF 18" ADS HP @ 1.01%

E-4
TYPE 3L INLET
RIM = 169.26
INV SE = 163.77

45 LF 18" ADS HP @ 0.82%

98 LF 18" ADS HP @ 1.66%

STREET E

S72°43'40"W
38.32'

E-5
TYPE 3R INLET
RIM = 168.89
INV NW = 163.40
INV E = 162.40
INV W = 162.90

S70°10'49"W
42.30'

DRAINAGE EASEMENT

101 LF 18" ADS HP @ 1.05%

E-6
48" DIA MANHOLE
RIM = 167.27
INV E = 160.78
INV W = 160.78

N86°21'03"W
31.61'

5' DRAINAGE EASEMENT (TYP.)

E-7
TYPE 3L INLET
RIM = 166.51
INV SE = 161.17

42 LF 18" ADS HP @ 0.50%

155 LF 18" ADS HP @ 0.20%

E-8
TYPE 3R INLET
RIM = 166.21
INV E = 155.61
INV W = 159.72
INV NW = 160.96

S89°30'47"W
86.39'

DRAINAGE EASEMENT

E-9
48" DIA MANHOLE
RIM = 163.87
INV SE = 155.30
INV W = 155.30

30 LF 18" ADS HP @ 0.20%

E-10
TYPE 2 INLET
RIM = 163.99
INV NW = 155.25
INV E = 155.24

273 LF 30" ADS HP @ 1.56%

BU-5.2
MODIFIED TYPE H INLET
RIM = 158.00
INV W = 151.00
INV E = 153.10

20 LF 12" PERFORATED HDPE @ 0.00%

PLEASE REFER TO MODIFIED TYPE-H INLET BU-5.2 DETAIL ON SHEET 10.2 (13 / C10.2)

20 (C10.1) CONCRETE WEIR FOR POND 5

TRACT 'F'
STORMWATER POND 5
8.57 AC

SHEET C7.3
SHEET C7.4

BU-5.1
MODIFIED TYPE H INLET
RIM = 158.00
INV SE = 147.90
INV NW = 155.10

20 LF 12" PERFORATED HDPE @ 0.00%

12 (C10.2) PLEASE REFER TO MODIFIED TYPE-H INLET BU-5.1 DETAIL ON SHEET 10.2

20' DRAINAGE EASEMENT

252 LF 42" ADS HP @ 0.51%

20' DRAINAGE EASEMENT

TRACT 'BB'
TREE PRESERVATION
8.75 AC

A-18
TYPE 3R INLET
RIM = 171.92
INV E = 166.42

36 LF 18" ADS HP @ 0.50%

A-19
TYPE 3L INLET
RIM = 171.94
INV W = 166.24
INV S = 166.24

210 LF 18" ADS HP @ 1.23%

A-16
TYPE 3R INLET
RIM = 169.35
INV E = 163.85

36 LF 18" ADS HP @ 0.50%

N5°49'58"W
21.03'

A-17
TYPE 3L INLET
RIM = 169.35
INV S = 163.07
INV W = 163.67
INV N = 163.67

SHEET C7.3
SHEET C7.5

SHEET C7.3
SHEET C7.6

SHEET C7.5
SHEET C7.6

B-10

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DRAINAGE PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C7.3

LAKE CLASSON
LICENSE
No 77066
STATE OF FLORIDA
5/12/26
PROFESSIONAL ENGINEER

P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\DRAINAGE PLAN.dwg Modified:4/27/2026 By:osanchez Plotted By:andrew.francis

P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\DRAINAGE PLAN.dwg Modified: 4/27/2026 By: osanchez Plotted By: andrew francis

KEY MAP

GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.

REV	DATE	DESCRIPTION	BY
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DRAINAGE PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026
SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C7.4

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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TRACT "FF"
TREE PRESERVATION
3.59 AC

TRACT "E"
STORMWATER POND 4
4.70 AC

TRACT "I"
OPEN SPACE
0.23 AC

TRACT "U"
AMENITY TRACT
2.29 AC

TRACT "Z"
TREE PRESERVATION
10.15 AC

22 / C10.3 ENERGY DISSIPATOR (TYP.)

MES-6
24" MES
INV S = 149.00

42 LF 24" ADS HP @ 2.42%

DS-4
TYPE H INLET
RIM = 155.00
INV N = 150.00

C-24
TYPE 3L INLET
RIM = 160.70
INV SW = 155.14
INV E = 151.07
INV S = 151.07

196 LF 18" ADS HP @ 0.50%

S80°35'57"E
68.30'

DRAINAGE EASEMENT

S76°20'59"E
73.11'

97 LF 18" ADS HP @ 0.20%

85 LF 18" ADS HP @ 0.80%

C-22
48" DIA MANHOLE
RIM = 160.83
INV SW = 155.33
INV NE = 155.33

C-21
TYPE 3L INLET
RIM = 161.69
INV E = 156.00
INV NE = 156.00

36 LF 18" ADS HP @ 0.50%

C-20
TYPE 3R INLET
RIM = 161.68
INV W = 156.18

C-23
TYPE 3R INLET
RIM = 160.70
INV N = 151.25

36 LF 18" ADS HP @ 0.50%

C-26
TYPE 2 INLET
RIM = 159.74
INV S = 152.57
INV W = 150.10
INV E = 150.10

C-25
TYPE 2 INLET
RIM = 159.74
INV N = 152.75

307 LF 24" ADS HP @ 0.50%

20 LF 12" PERFORATED HDPE @ 0.00%

11 / C10.2 PLEASE REFER TO MODIFIED TYPE-H INLET BU-4 DETAIL ON SHEET 10.2

57 LF 36" ADS HP @ 1.43%

BU-4
MODIFIED TYPE H INLET
RIM = 153.00
INV SW = 144.50
INV NE = 149.00

C-28
TYPE 3L INLET
RIM = 159.86
INV SE = 145.81
INV NE = 145.31
INV SW = 150.94
INV W = 148.57

36 LF 18" ADS HP @ 0.50%

C-27
TYPE 3R INLET
RIM = 159.87
INV NE = 151.12
INV SW = 151.12

167 LF 24" ADS HP @ 0.50%

20' DRAINAGE EASEMENT

5' DRAINAGE EASEMENT (TYP.)

149 LF 18" ADS HP @ 0.50%

C-53
TYPE H INLET
RIM = 157.36
INV NE = 151.86

S37°35'57"E
7.22'

100 LF 24" ADS HP @ 0.50%

C-30
TYPE 3L INLET
RIM = 158.84
INV W = 151.47
INV S = 147.14
INV NW = 146.64

36 LF 18" ADS HP @ 0.50%

C-32
TYPE 2 INLET
RIM = 158.41
INV S = 148.12
INV N = 147.62
INV W = 151.32

C-31
TYPE 4 INLET
RIM = 158.41
INV E = 151.50

262 LF 24" ADS HP @ 0.50%

S15°03'38"E
408.14'

36 LF 18" ADS HP @ 0.50%

DRAINAGE EASEMENT

C-34
TYPE 3R INLET
RIM = 159.11
INV W = 150.75
INV N = 148.92
INV S = 149.42

C-33
TYPE 3L INLET
RIM = 159.11
INV E = 150.92

150 LF 18" ADS HP @ 0.50%

C-36
TYPE 3R INLET
RIM = 155.86
INV W = 150.21
INV N = 150.17
INV S = 154.23

36 LF 18" ADS HP @ 0.50%

S10°14'01"E
30.90'

C-35
TYPE 3L INLET
RIM = 159.86
INV E = 150.39

120 LF 18" ADS HP @ 0.50%

59 LF 18" ADS HP @ 0.50%

C-18
TYPE 3R INLET
RIM = 163.43
INV SW = 157.93

C-19
TYPE 3L INLET
RIM = 163.75
INV NE = 157.64
INV S = 157.14

172 LF 18" ADS HP @ 0.50%

BU-5.1
MODIFIED TYPE H INLET
RIM = 158.00
INV SE = 147.90
INV NW = 155.10

116 LF 42" ADS HP @ 0.52%

B-13
72" DIA MANHOLE
RIM = 163.82
INV S = 148.50
INV NW = 148.50
INV E = 154.25

20' DRAINAGE EASEMENT

308 LF 18" ADS HP @ 0.50%

C-17
60" DIA MANHOLE
RIM = 164.11
INV N = 156.28
INV S = 157.50
INV W = 155.78

73 LF 18" ADS HP @ 0.50%

20' DRAINAGE EASEMENT

252 LF 42" ADS HP @ 0.51%

20' DRAINAGE EASEMENT

N10°35'37"E
20.24'

43 LF 18" ADS HP @ 0.50%

C-15
TYPE 4 INLET
RIM = 164.15
INV W = 158.65

C-16
TYPE 4 INLET
RIM = 164.21
INV N = 157.86
INV E = 158.44
INV S = 158.36

130 LF 18" ADS HP @ 0.50%

N6°10'13"E
140.06'

SHEET C7.3
SHEET C7.4
SHEET C7.4
SHEET C7.6
SHEET C7.4
SHEET C7.7
SHEET C7.6
SHEET C7.7

SHEET C7.2
SHEET C7.5

SHEET C7.3
SHEET C7.5

SHEET C7.3
SHEET C7.6

SHEET C7.5

SHEET C7.6

TRACT 'BB'
TREE PRESERVATION
8.75 AC

TRACT 'CC'
TREE PRESERVATION
3.31 AC

TRACT 'R'
OPEN SPACE
0.44 AC

36 LF 18" ADS HP @ 0.50%

A-18
TYPE 3R INLET
RIM = 171.92
INV E = 166.42

A-19
TYPE 3L INLET
RIM = 171.94
INV W = 166.24
INV S = 166.24

210 LF 18" ADS HP @ 1.43%

A-16
TYPE 3R INLET
RIM = 169.35
INV E = 163.85

36 LF 18" ADS HP @ 0.50%

N5°49'58"W
21.03'

A-17
TYPE 3L INLET
RIM = 169.35
INV S = 163.07
INV W = 163.67
INV N = 163.67

DRAINAGE EASEMENT

148 LF 18" ADS HP @ 1.63%

147.98'

A-15
TYPE 3L INLET
RIM = 167.50
INV N = 160.68
INV W = 161.84
INV S = 160.84

2.6'

N5°07'40"E
6.55'

S88°43'50"E
115.30'

DRAINAGE EASEMENT

B-2
TYPE 2 INLET
RIM = 164.77
INV W = 158.50
INV E = 157.50
INV S = 159.09

S89°16'25"E
96.92'

36 LF 18" ADS HP @ 0.50%

A-14
TYPE 3R INLET
RIM = 167.52
INV E = 162.02

20 LF 18" ADS HP @ 4.03%

129 LF 24" ADS HP @ 0.20%

164 LF 36" ADS HP @ 0.20%

DRAINAGE EASEMENT

N75°28'01"E
19.16'

B-5
TYPE 3R INLET
RIM = 165.89
INV W = 157.03
INV S = 160.21
INV E = 157.03

N85°40'05"E
64.38'

287 LF 36" ADS HP @ 0.20%

237 LF 36" ADS HP @ 0.20%

DRAINAGE EASEMENT

N81°36'05"E
29.56'

S89°45'04"E
70.12'

DRAINAGE EASEMENT

S89°45'04"E
69.68'

221 LF 42" ADS HP @ 0.20%

36 LF 18" ADS HP @ 0.50%

B-8
TYPE 1L INLET
RIM = 165.60
INV E = 155.48
INV S = 159.92
INV W = 155.98

B-6
60" DIA MANHOLE
RIM = 166.47
INV W = 156.46
INV E = 156.46

B-7
TYPE 1R INLET
RIM = 165.60
INV N = 160.10

A-13
60" DIA MANHOLE
RIM = 166.56
INV N = 160.06
INV E = 158.75
INV S = 159.25

115 LF 24" ADS HP @ 0.60%

S0°38'55"W
66.31'

36 LF 18" ADS HP @ 0.50%

B-1
TYPE 2 INLET
RIM = 164.77
INV N = 159.27

B-3
60" DIA MANHOLE
RIM = 165.21
INV W = 157.17
INV E = 157.17

B-4
TYPE 3L INLET
RIM = 165.89
INV N = 160.39

71 LF 36" ADS HP @ 0.20%

5' DRAINAGE EASEMENT (TYP.)

A-11
TYPE 4 INLET
RIM = 166.35
INV E = 160.72

36 LF 18" ADS HP @ 0.50%

A-12
TYPE 2 INLET
RIM = 166.35
INV W = 160.54
INV S = 159.94
INV N = 159.94

231 LF 24" ADS HP @ 0.48%

DRAINAGE EASEMENT

S1°16'10"W
240.59'

36 LF 18" ADS HP @ 0.50%

A-10
TYPE 3R INLET
RIM = 168.19
INV W = 161.48
INV N = 160.98

N88°43'50"W
2.60'

A-9
TYPE 3L INLET
RIM = 168.19
INV E = 161.66

STREET A

SHEET C7.5
SHEET C7.8

SHEET C7.6
SHEET C7.8

N
W E
S

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

KEY MAP

REV	DATE	DESCRIPTION	BY
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2	04/03/2026	SJRWMD COMMENTS DATED 03/31/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/01/2026	SCS

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BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060
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DRAINAGE PLAN
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C7.5

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5/12/26

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P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\DRAINAGE PLAN.dwg Modified:4/27/2026 By:osanchez Plotted By:andrew.francis

P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\DRAINAGE PLAN.dwg Modified: 4/27/2026 By:osanchez Plotted By:andrew francis

TRACT 'BB'
CE PRESERVATION
8.75 AC

BU-5.1
MODIFIED TYPE H INLET
RIM = 158.00
INV SE = 147.90
INV NW = 155.10

20 LF 12" PERFORATED HDPE @ 0.00%

116 LF 42" ADS HP @ 0.52%

B-13
72" DIA MANHOLE
RIM = 163.82
INV S = 148.50
INV NW = 148.50
INV E = 154.25

12 C10.2 PLEASE REFER TO MODIFIED TYPE-H INLET BU-5.1 DETAIL ON SHEET 10.2

20' DRAINAGE EASEMENT

308 LF 18" ADS HP @ 0.50%

252 LF 42" ADS HP @ 0.51%

20' DRAINAGE EASEMENT

C-19
TYPE 3L INLET
RIM = 163.75
INV NE = 157.64
INV S = 157.14

172 LF 18" ADS HP @ 0.50%

C-17
60" DIA MANHOLE
RIM = 164.11
INV N = 156.28
INV S = 157.50
INV W = 155.78

73 LF 18" ADS HP @ 0.50%

N10°35'37"E
20.24'

43 LF 18" ADS HP @ 0.50%

C-15
TYPE 4 INLET
RIM = 164.15
INV W = 158.65

C-16
TYPE 4 INLET
RIM = 164.21
INV N = 157.86
INV E = 158.44
INV S = 158.36

130 LF 18" ADS HP @ 0.50%

N6°10'13"E
140.06'

43 LF 18" ADS HP @ 0.50%

C-13
TYPE 3R INLET
RIM = 164.72
INV W = 159.22

C-14
TYPE 3L INLET
RIM = 164.78
INV N = 159.01
INV E = 159.01

N72°04'42"W
3.54'

DRAINAGE EASEMENT

TRACT 'U'
AMENITY TRACT
2.29 AC

SHEET C7.3
SHEET C7.5
SHEET C7.3
SHEET C7.6
SHEET C7.4
SHEET C7.6
SHEET C7.4
SHEET C7.7
SHEET C7.5
SHEET C7.6
SHEET C7.6
SHEET C7.7

DRAINAGE EASEMENT
N81°36'05"E
29.56'
S89°45'04"E
70.12'
S89°45'04"E
69.68'
S86°08'55"E
175.75'

B-10
TYPE 3L INLET
RIM = 164.50
INV W = 155.04
INV E = 155.04
INV S = 158.77

B-12
TYPE 2 INLET
RIM = 163.81
INV W = 154.67
INV N = 149.79
INV S = 158.04

237 LF 36" ADS HP @ 0.20%
221 LF 42" ADS HP @ 0.20%
186 LF 42" ADS HP @ 0.20%
287 LF 36" ADS HP @ 0.20%
36 LF 18" ADS HP @ 0.50%

B-8
TYPE 1L INLET
RIM = 165.60
INV E = 155.48
INV S = 159.92
INV W = 155.98

B-6
60" DIA MANHOLE
RIM = 166.47
INV W = 156.46
INV E = 156.46

B-7
TYPE 1R INLET
RIM = 165.60
INV N = 160.10

B-9
TYPE 3R INLET
RIM = 164.45
INV N = 158.95

37 LF 18" ADS HP @ 0.50%
43 LF 18" ADS HP @ 0.50%

B-11
TYPE 2 INLET
RIM = 163.75
INV N = 158.25

18" ADS HP @ 0.50%
5' DRAINAGE EASEMENT (TYP.)
6" ADS HP @ 0.20%

TRACT 'X'
TREE PRESERVATION
3.44 AC

S88°57'23"E
2.60'

C-12
TYPE 3R INLET
RIM = 163.68
INV S = 157.50
INV E = 158.00

36 LF 18" ADS HP @ 0.50%

C-11
TYPE 3L INLET
RIM = 163.68
INV W = 158.18

DRAINAGE EASEMENT

N1°02'37"E
246.63'

236 LF 18" ADS HP @ 0.92%

C-8
TYPE 4 INLET
RIM = 161.35
INV N = 155.34
INV S = 155.34
INV E = 155.66

SHEET C7.6
SHEET C7.9
SHEET C7.6
SHEET C7.7

DRAINAGE EASEMENT

C-49
TYPE 3L INLET
RIM = 162.19
INV S = 155.75
INV E = 155.75
INV W = 155.82

C-10
TYPE 4 INLET
RIM = 160.92
INV W = 154.92
INV E = 154.42
INV S = 155.04

33 LF 18" ADS HP @ 0.93%

36 LF 18" ADS HP @ 0.50%

C-7
TYPE 4 INLET
RIM = 161.35
INV W = 155.84

77 LF 42" ADS HP @ 0.20%

DRAINAGE EASEMENT

N89°21'28"W
35.71'
143.95'
N88°55'33"W
N86°55'45"W
56.53'

215 LF 24" ADS HP @ 0.20%

C-44
60" DIA MANHOLE
RIM = 161.84
INV E = 153.62
INV W = 153.62

C-43
60" DIA MANHOLE
RIM = 162.23
INV NE = 153.78
INV W = 153.78

N27°25'5"E
158.09'

S1°02'37"W
2.60'
160.91'
N88°57'23"W
N88°50'40"W
158.09'
N10°24'39"W
12.50'

151 LF 18" ADS HP @ 0.50%
133 LF 18" ADS HP @ 0.63%

C-51
TYPE 3L INLET
RIM = 163.63
INV S = 156.57
INV E = 156.57

36 LF 18" ADS HP @ 0.50%
36 LF 18" ADS HP @ 0.70%
36 LF 18" ADS HP @ 0.50%

C-52
TYPE 3R INLET
RIM = 163.63
INV N = 156.75

C-50
TYPE 3R INLET
RIM = 162.18
INV N = 156.00

C-6
96" DIA MANHOLE
RIM = 161.05
INV W = 154.20
INV S = 152.96
INV E = 152.96
INV N = 155.04

144 LF 36" ADS HP @ 0.20%

C-47
TYPE 2 INLET
RIM = 160.86
INV E = 153.11
INV W = 153.11
INV S = 155.18

C-45
TYPE 3R INLET
RIM = 161.58
INV S = 155.90
INV W = 153.40
INV E = 153.40

79 LF 30" ADS HP @ 0.20%

93 LF 60" ADS HP @ 0.20%
60 LF 18" ADS HP @ 0.50%

C-9
TYPE 4 INLET
RIM = 160.92
INV N = 155.22

S12°26'59"W
13.31'

36 LF 18" ADS HP @ 0.50%

C-46
TYPE 3L INLET
RIM = 161.58
INV N = 156.08

109 LF 30" ADS HP @ 0.20%

5' DRAINAGE EASEMENT (TYP.)

C-5
TYPE 3L INLET
RIM = 161.90
INV N = 152.77
INV S = 152.77
INV E = 155.27

C-4
TYPE 3R INLET
RIM = 161.90
INV W = 155.56

C-48
TYPE 4 INLET
RIM = 160.86
INV N = 155.36

SHEET C7.5
SHEET C7.8
SHEET C7.6
SHEET C7.8

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N
W E
S

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

KEY MAP

BY	DESCRIPTION	DATE
DSS	CITY OF APOPKA COMMENTS DATED 04/14/2026	05/12/2026
SCS	SJRWMD COMMENTS DATED 03/30/2026	04/30/2026
SCS	SJRWMD COMMENTS DATED 02/20/2026	03/30/2026

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BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060
2400 MAITLAND CENTER PKWY, SUITE 107
MAITLAND, FLORIDA 32751
(407) 558-2228

DRAINAGE PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L. CLASSON
DATE: 4/22/2026
SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C7.6

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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C-19
TYPE 3L INLET
RIM = 163.75
INV NE = 157.64
INV S = 157.14

172 LF 18" ADS HP @ 0.50%

C-17
60" DIA MANHOLE
RIM = 164.11
INV N = 156.28
INV S = 157.50
INV W = 155.78

73 LF 18" ADS HP @ 0.50%

ADS HP @ 0.50%

N10°35'37"E
20.24'

5.4'

43 LF 18" ADS HP @ 0.50%

C-15
TYPE 4 INLET
RIM = 164.15
INV W = 158.65

STUB-OUT

C-16
TYPE 4 INLET
RIM = 164.21
INV N = 157.86
INV E = 158.44
INV S = 158.36

11.4'

130 LF 18" ADS HP @ 0.50%

N6°10'13"E
140.06'

DRAINAGE EASEMENT

43 LF 18" ADS HP @ 0.50%

N72°04'42"W
3.54'

C-13
TYPE 3R INLET
RIM = 164.72
INV W = 159.22

C-14
TYPE 3L INLET
RIM = 164.78
INV N = 159.01
INV E = 159.01

SHEET C7.6
SHEET C7.7

SHEET C7.4
SHEET C7.7

TRACT "2"
TREE PRESERVATION
10.15 AC

S15°03'38"E
408.14'

36 LF 18" ADS HP @ 0.50%

C-33
TYPE 3L INLET
RIM = 159.11
INV E = 150.92

16" x 24" ADS HP @ 2.6%

DRAINAGE EASEMENT

C-34
TYPE 3R INLET
RIM = 159.11
INV W = 150.75
INV N = 148.92
INV S = 149.42

150 LF 18" ADS HP @ 0.50%

C-36
TYPE 3R INLET
RIM = 159.86
INV W = 150.21
INV N = 150.17
INV S = 154.23

36 LF 18" ADS HP @ 0.50%

S10°14'01"E
30.90'

C-35
TYPE 3L INLET
RIM = 159.86
INV E = 150.39

200 LF 18" ADS HP @ 0.50%

C-38
TYPE 3R INLET
RIM = 160.83
INV SW = 155.22
INV N = 155.22

40 LF 18" ADS HP @ 0.50%

C-37
TYPE 3L INLET
RIM = 160.92
INV NE = 155.42

TRACT "J"
50' LANDSCAPE BUFFER
6.88 AC

5' DRAINAGE EASEMENT (TYP.)

TRACT "AA"
TREE PRESERVATION
9.17 AC

S43°28'15"E
2.53'

C-39
TYPE 2 INLET
RIM = 0.00
INV SE = 154.64
INV SW = 154.64

36 LF 24" ADS HP @ 0.50%

C-40
TYPE 2 INLET
RIM = 0.00
INV NW = 154.82

DRAINAGE EASEMENT

N46°32'51"E
230.30'

224 LF 24" ADS HP @ 0.40%

2.6'

36 LF 18" ADS HP @ 0.50%

C-42
TYPE 3R INLET
RIM = 161.41
INV NW = 155.91

C-41
TYPE 3L INLET
RIM = 161.42
INV SE = 155.73
INV SW = 154.20
INV NE = 154.20

215 LF 24" ADS HP @ 0.20%

N47°29'51"E
214.61'

C-44
60" DIA MANHOLE
RIM = 161.84
INV E = 153.62
INV W = 153.62

36 LF 18" ADS HP @ 0.50%

C-7
TYPE 4 INLET
RIM = 161.35
INV W = 155.84

77 LF 42" ADS HP @ 0.20%

DRAINAGE EASEMENT

N86°55'45"W
56.53'

N89°21'28"W
35.71'

N88°50'33"W
143.95'

C-43
60" DIA MANHOLE
RIM = 162.23
INV NE = 153.78
INV W = 153.78

79 LF 30" ADS HP @ 0.20%

C-6
96" DIA MANHOLE
RIM = 161.05
INV W = 154.20
INV S = 152.96
INV E = 152.96
INV N = 155.04

144 LF 36" ADS HP @ 0.20%

C-47
TYPE 2 INLET
RIM = 160.86
INV E = 153.11
INV W = 153.11
INV S = 155.18

C-45
TYPE 3R INLET
RIM = 161.58
INV S = 155.90
INV W = 153.40
INV E = 153.40

109 LF 30" ADS HP @ 0.20%

93 LF 60" ADS HP @ 0.20%

60 LF 18" ADS HP @ 0.50%

36 LF 18" ADS HP @ 0.50%

C-48
TYPE 4 INLET
RIM = 160.86
INV N = 155.36

36 LF 18" ADS HP @ 0.50%

C-46
TYPE 3L INLET
RIM = 161.58
INV N = 156.08

C-4
TYPE 3R INLET
RIM = 161.90
INV W = 155.56

C-12
TYPE 3R INLET
RIM = 163.68
INV S = 157.50
INV E = 158.00

36 LF 18" ADS HP @ 0.50%

C-11
TYPE 3L INLET
RIM = 163.68
INV W = 158.18

SHEET C7.6
SHEET C7.7

SHEET C7.7
SHEET C7.9

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N
W E
S

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

KEY MAP

REV	DATE	DESCRIPTION	BY
1	03/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/30/2026	SJRWMD COMMENTS DATED 04/30/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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DRAINAGE PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C7.7

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5/12/26

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SHEET C7.5
SHEET C7.8

SHEET C7.6
SHEET C7.8

SHEET C7.8
SHEET C7.9

N
W E
S

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

KEY MAP

A-7
TYPE 3R INLET
RIM = 167.74
INV S = 161.56
INV E = 162.06

36 LF 18" ADS HP @ 0.50%

5' DRAINAGE EASEMENT (TYP.)

A-8
TYPE 3L INLET
RIM = 167.74
INV W = 162.24

359 LF 18" ADS HP @ 0.50%

TRACT 'I'
50' LANDSCAPE BUFFER
3.71 AC

TRACT 'C'
STORMWATER POND 2
0.81 AC

A-6
TYPE 3L INLET
RIM = 165.87
INV E = 159.53
INV W = 159.53

70 LF 18" ADS HP @ 1.03%

ENERGY DISSIPATOR (TYP.) 22/210.3

A-5
TYPE 3R INLET
RIM = 165.88
INV N = 159.77
INV E = 159.77

48 LF 18" ADS HP @ 0.50%

MES-4
18" MES
INV W = 158.81

TRACT 'A'
PRIVATE RIGHT-OF-WAY
13.68 AC

A-4
TYPE 3L INLET
RIM = 165.05
INV SW = 158.31

66 LF 18" ADS HP @ 0.50%

A-3
TYPE 3R INLET
RIM = 165.05
INV S = 157.98
INV NE = 157.98

A-32
48" DIA MANHOLE
RIM = 164.35
INV N = 157.64
INV W = 157.64

DS-2
TYPE H INLET
RIM = 163.50
INV S = 158.00

96 LF 18" ADS HP @ 0.36%

91 LF 24" ADS HP @ 0.27%

TRACT 'B'
STORMWATER POND 1
0.83 AC

40 LF 18" ADS HP @ 0.34%

A-33
48" DIA MANHOLE
RIM = 164.22
INV N = 157.76
INV W = 157.76

MES-2
18" MES
INV E = 157.50

MES-3
24" MES
INV E = 157.50

104 LF 24" ADS HP @ 0.25%

22/210.3 ENERGY DISSIPATOR (TYP.)

41 LF 18" ADS HP @ 0.39%

A-34
48" DIA MANHOLE
RIM = 163.95
INV S = 157.66
INV W = 157.66

TRACT 'L'
25' LANDSCAPE BUFFER
0.05 AC

35 LF 18" ADS HP @ 0.20%

66 LF 18" ADS HP @ 0.50%

MES-1
18" MES
INV E = 157.50

A-2
TYPE 3L INLET
RIM = 163.55
INV W = 158.05

1 18/210.3 CONCRETE WEIR FOR POND 1

A-1
TYPE 3R INLET
RIM = 163.55
INV E = 157.72
INV N = 157.72

TRACT 'K'
25' LANDSCAPE BUFFER
0.10 AC

ALLEY 'H'

ETTE DRIVE
60.00 RIGHT OF WAY WIDTH
ORB 5146, PG 2216, & 2219
PUBLIC RECORDS

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REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/07/2026	S.JURKO COMMENTS DATED 04/07/2026	DSS
3	05/07/2026	S.JURKO COMMENTS DATED 05/07/2026	SKS

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BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

DRAINAGE PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C7.8

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5/12/26

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SHEET C7.6
SHEET C7.9
SHEET C7.6
SHEET C7.7
SHEET C7.7
SHEET C7.9
SHEET C7.8
SHEET C7.9

N1°02'37"E 246.63'
236 LF 18" ADS HP @ 0.92%
C-8 TYPE 4 INLET RIM = 161.35 INV N = 155.34 INV S = 155.34 INV E = 155.66
DRAINAGE EASEMENT
C-49 TYPE 3L INLET RIM = 162.19 INV S = 155.75 INV E = 155.75 INV W = 155.82
33 LF 18" ADS HP @ 0.93%
C-10 TYPE 4 INLET RIM = 160.92 INV W = 154.92 INV E = 154.42 INV S = 155.04
36 LF 18" ADS HP @ 0.50%
C-7 TYPE 4 INLET RIM = 161.35 INV W = 155.84
77 LF 42" ADS HP @ 0.20%
215 LF 24" ADS HP @ 0.20%
C-41 TYPE 3L INLET RIM = 161.42 INV SE = 155.73 INV SW = 154.20 INV NE = 154.20
36 LF 18" ADS HP @ 0.50%
C-42 TYPE 3R INLET RIM = 161.41 INV NW = 155.91
C-44 60" DIA MANHOLE RIM = 161.84 INV E = 153.62 INV W = 153.62
DRAINAGE EASEMENT
C-43 60" DIA MANHOLE RIM = 162.23 INV NE = 153.78 INV W = 153.78
79 LF 30" ADS HP @ 0.20%
109 LF 30" ADS HP @ 0.20%
C-45 TYPE 3R INLET RIM = 161.58 INV S = 155.90 INV W = 153.40 INV E = 153.40
36 LF 18" ADS HP @ 0.50%
C-46 TYPE 3L INLET RIM = 161.58 INV N = 156.08
144 LF 36" ADS HP @ 0.20%
C-47 TYPE 2 INLET RIM = 160.86 INV E = 153.11 INV W = 153.11 INV S = 155.18
C-48 TYPE 4 INLET RIM = 160.86 INV N = 155.36
C-6 96" DIA MANHOLE RIM = 161.05 INV W = 154.20 INV S = 152.96 INV E = 152.96 INV N = 155.04
93 LF 60" ADS HP @ 0.20%
60 LF 18" ADS HP @ 0.50%
C-4 TYPE 3R INLET RIM = 161.90 INV W = 155.56
C-51 TYPE 3L INLET RIM = 163.63 INV S = 156.57 INV E = 156.57
151 LF 18" ADS HP @ 0.50%
36 LF 18" ADS HP @ 0.70%
36 LF 18" ADS HP @ 0.50%
C-52 TYPE 3R INLET RIM = 163.63 INV N = 156.75
C-50 TYPE 3R INLET RIM = 162.18 INV N = 156.00
5' DRAINAGE EASEMENT (TYP.)
C-9 TYPE 4 INLET RIM = 160.92 INV N = 155.22
C-5 TYPE 3L INLET RIM = 161.90 INV N = 152.77 INV S = 152.77 INV E = 155.27
DRAINAGE EASEMENT
101 LF 60" ADS HP @ 0.20%
C-3 TYPE 3L INLET RIM = 162.67 INV N = 152.57 INV S = 152.57
TRACT 'W' TREE PRESERVATION 1.04 AC
TRACT 'Y' TREE PRESERVATION 3.23 AC
TRACT 'V' LIFT STATION 0.04 AC
112 LF 60" ADS HP @ 0.20%
78 LF 60" ADS HP @ 0.20%
C-1 TYPE 3R INLET RIM = 163.70 INV W = 158.11
56 LF 18" ADS HP @ 0.50%
22 C16.3 ENERGY DISSIPATOR (TYP.)
MES-5 60" MES INV E = 151.91
C-2 TYPE 3L INLET RIM = 163.70 INV N = 152.29 INV W = 152.29 INV E = 157.83
C-54 96" DIA MANHOLE RIM = 164.68 INV E = 152.06 INV W = 152.06
TRACT 'D' STORMWATER POND 3 4.62 AC
CONCRETE WEIR FOR POND 3 19 C16.3
TRACT 'M' 25' LANDSCAPE BUFFER 0.49 AC
TRACT 'N' 25' LANDSCAPE BUFFER 0.45 AC
ZONE A

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)
1 inch = 50 ft.

KEY MAP

REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 02/11/2026	DSS
2	04/03/2026	SJRWMD COMMENTS DATED 03/30/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/06/2026	SSG

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DRAINAGE PLAN
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 50'
PROJECT: PUL-037
SHEET: C7.9

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER
5/12/26

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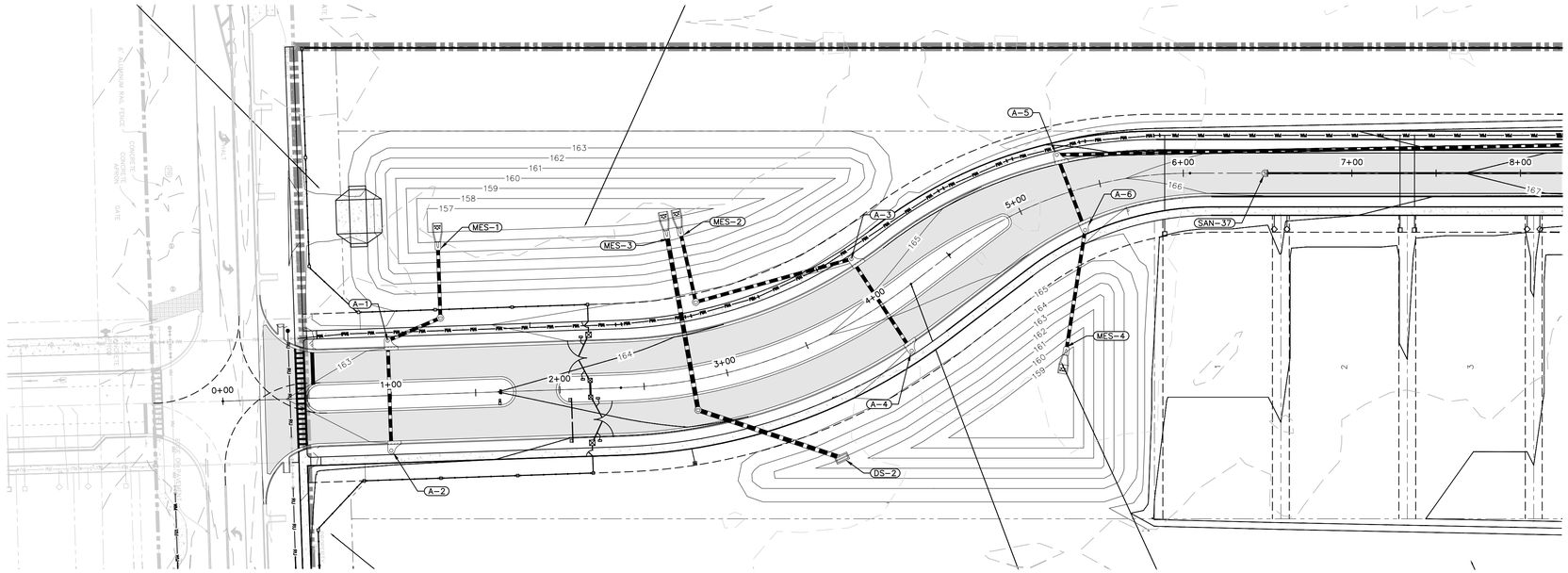
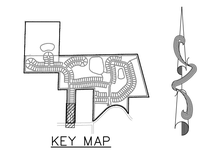
P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\DRAINAGE PLAN.dwg Modified:4/27/2026 By:osanchez Plotted By:andrew.francis



GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.



KEY MAP

PRESSURE PIPE NOTES PER F.A.C. RULE 62-55.314

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

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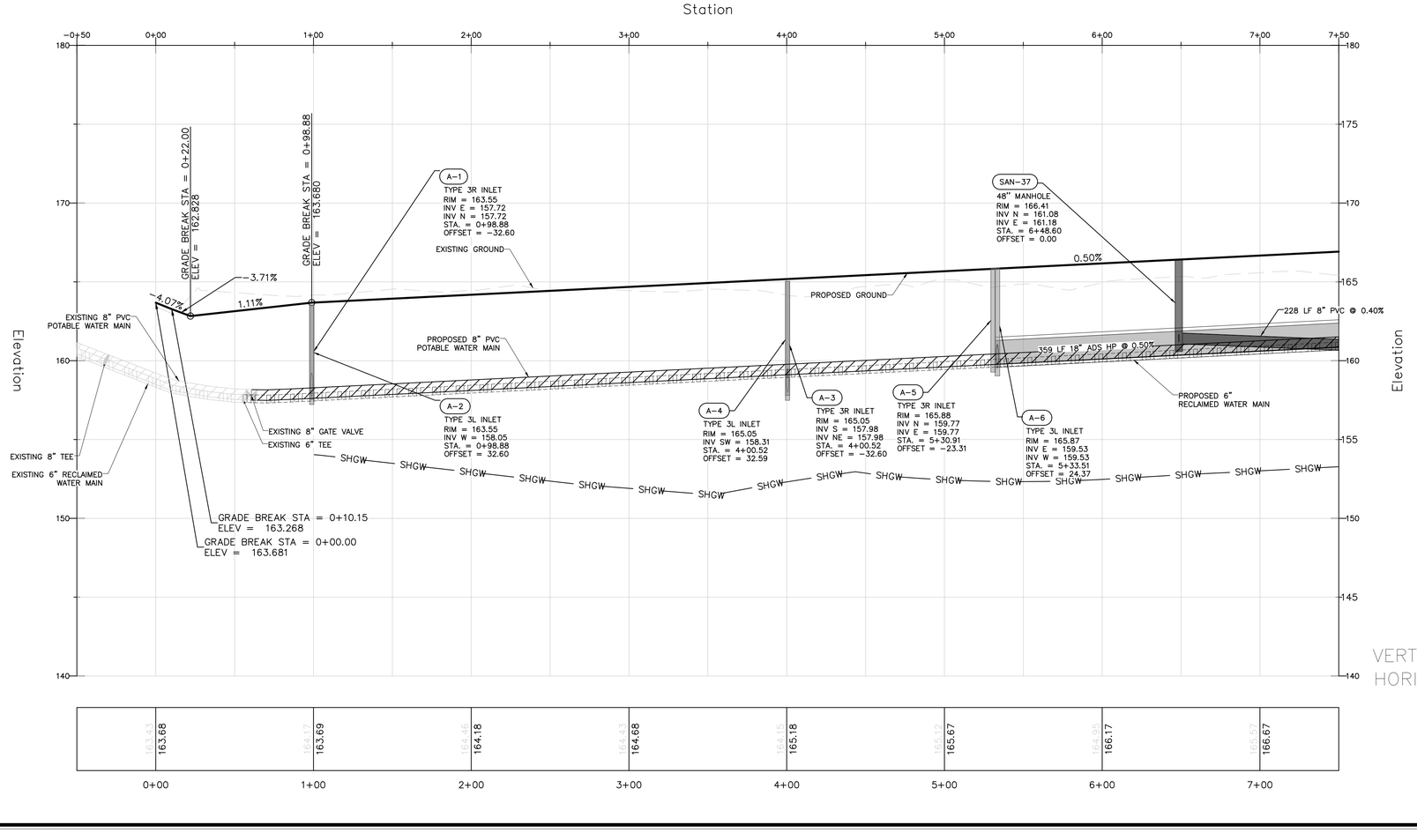

VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'

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BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

PLAN & PROFILE - STREET A - STA 0+00 TO 7+00
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C8.0

LUKE CLASSON LICENSE PROFESSIONAL ENGINEER No 77066 STATE OF 5/12/26

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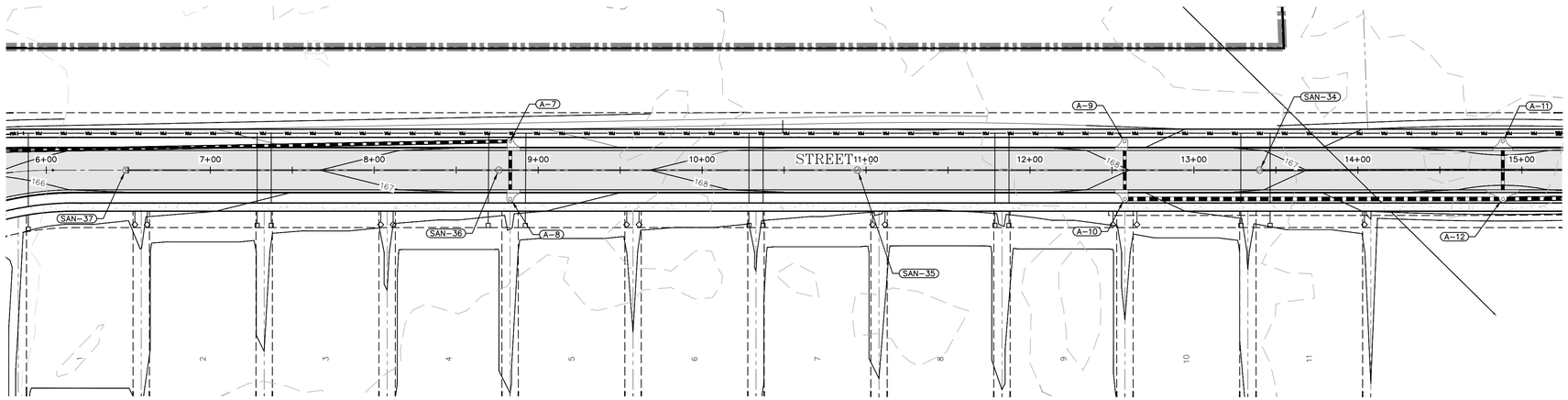

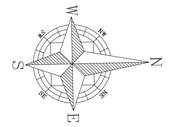

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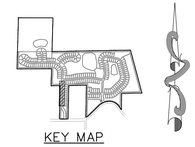

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PLAN & PROFILE - STREET A -
STA 7+00 TO 14+00
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C8.1

LUKE CLASSON
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No 77066
STATE OF FLORIDA
5/12/26
PROFESSIONAL ENGINEER

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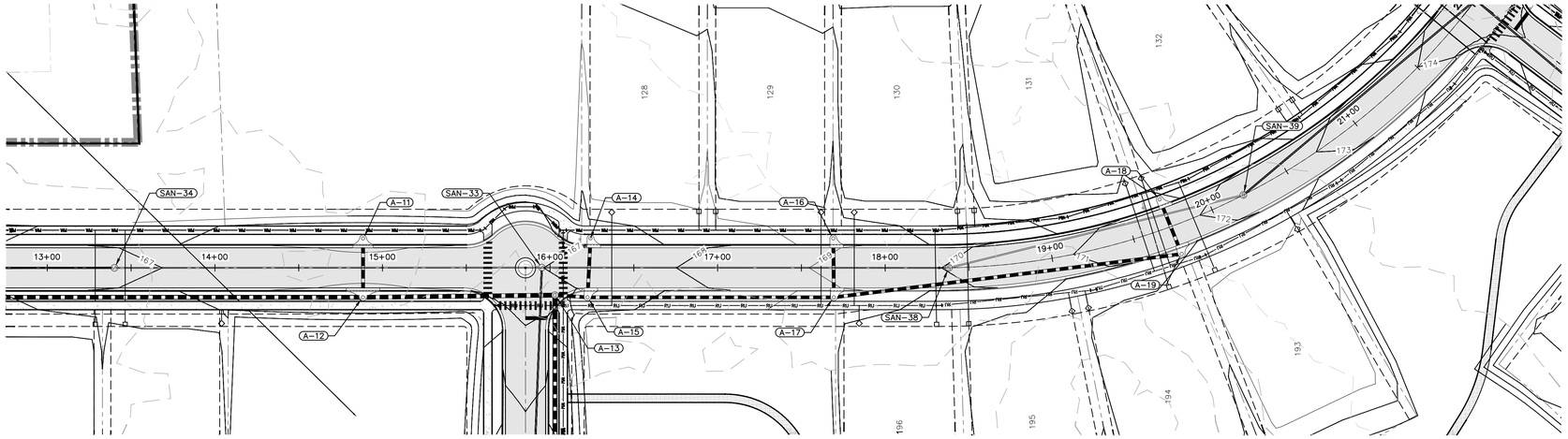

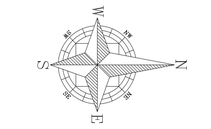

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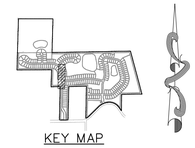
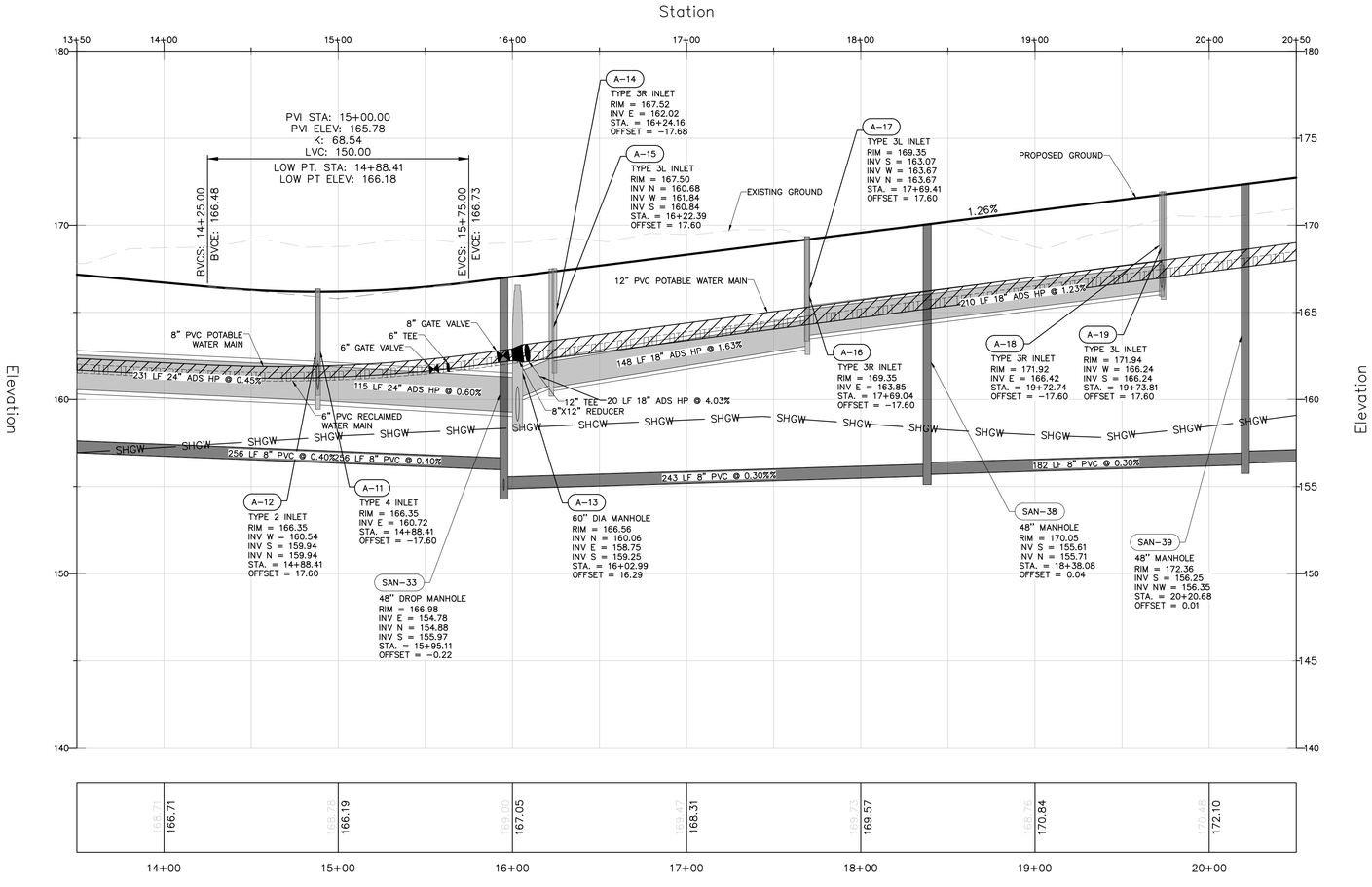


KEY MAP



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PLAN & PROFILE - STREET A - STA 14+00 TO 20+00
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C8.2

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER
5/12/26

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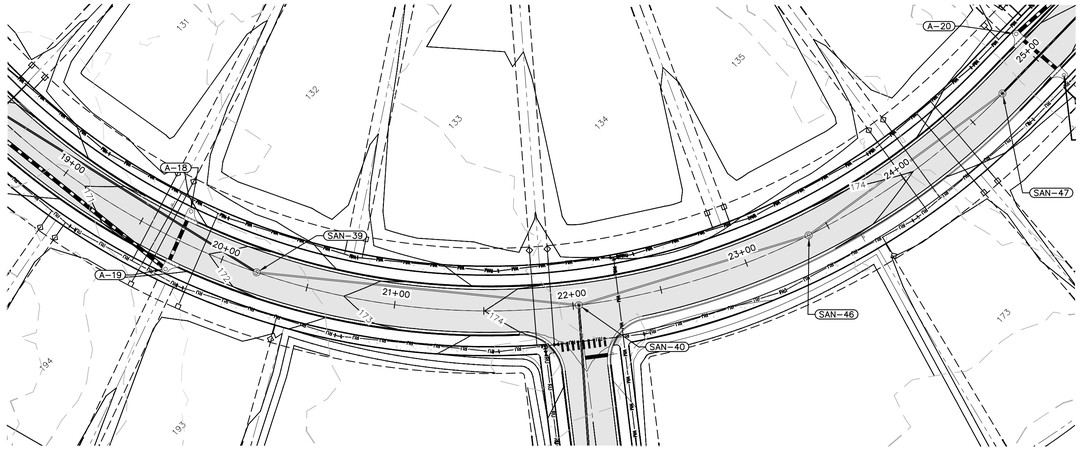

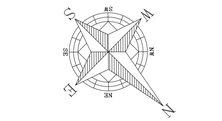

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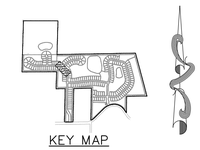
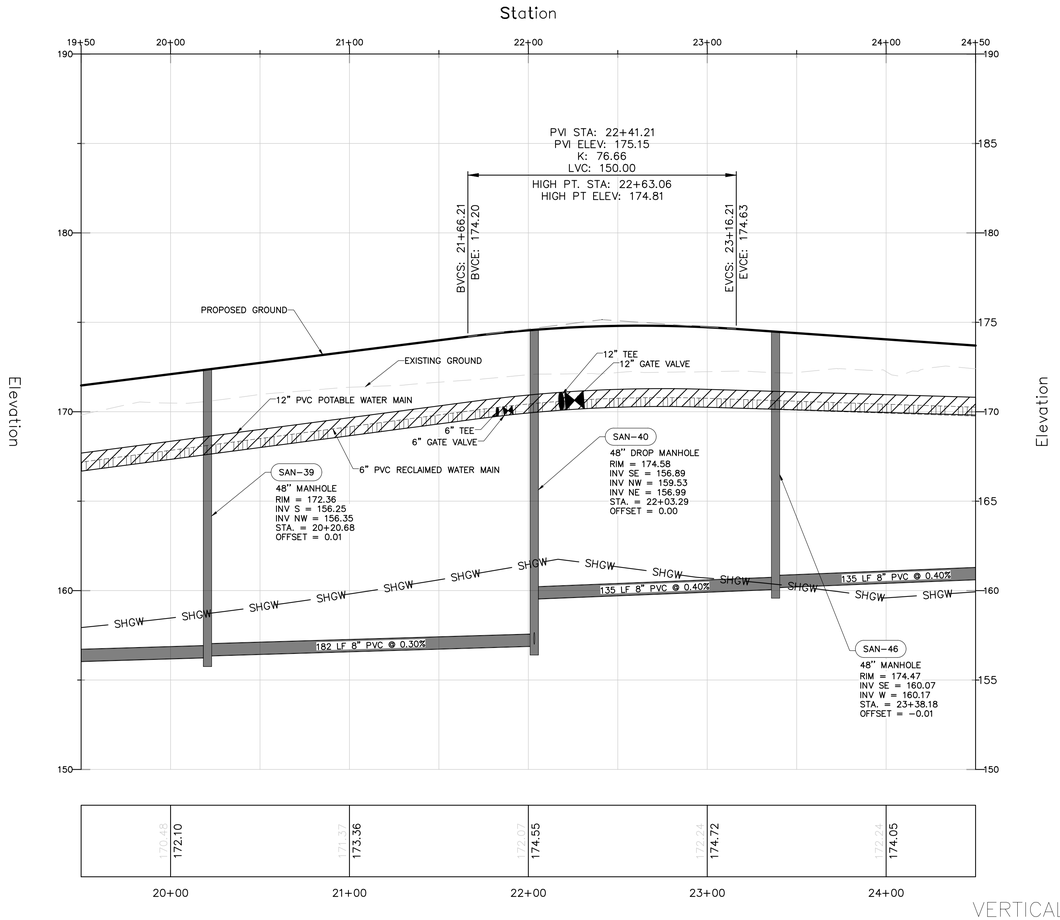


KEY MAP



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1	05/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	SSS
2	04/30/2026	SJRWMD COMMENTS DATED 04/30/2026	SSS
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PLAN & PROFILE – STREET A –
STA 20+00 TO 24+00
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C8.3

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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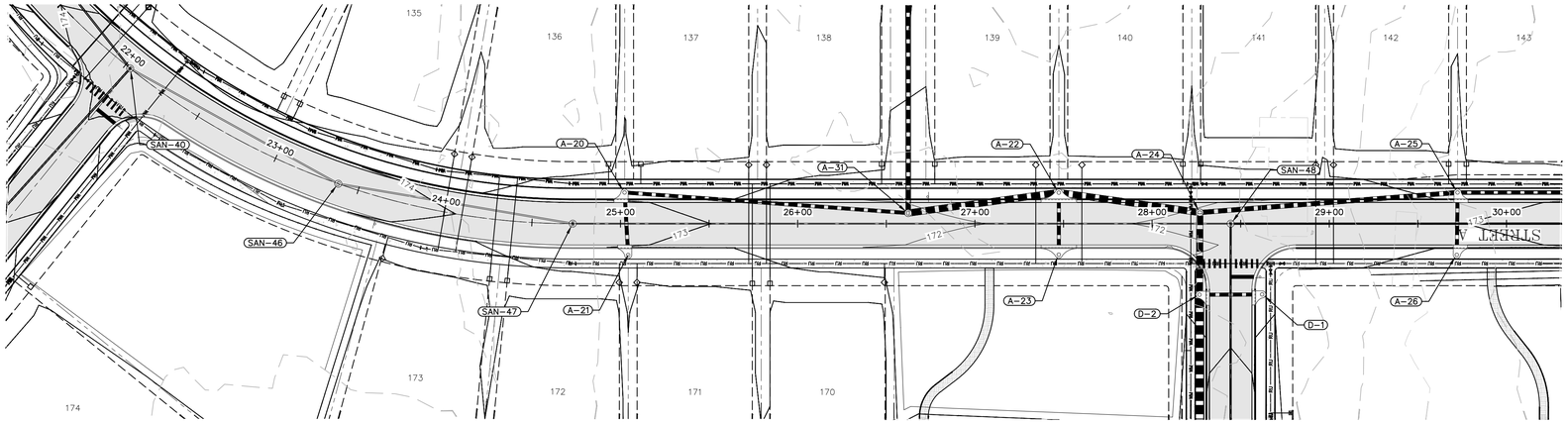
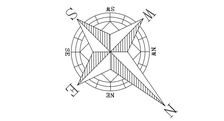
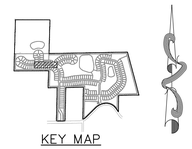
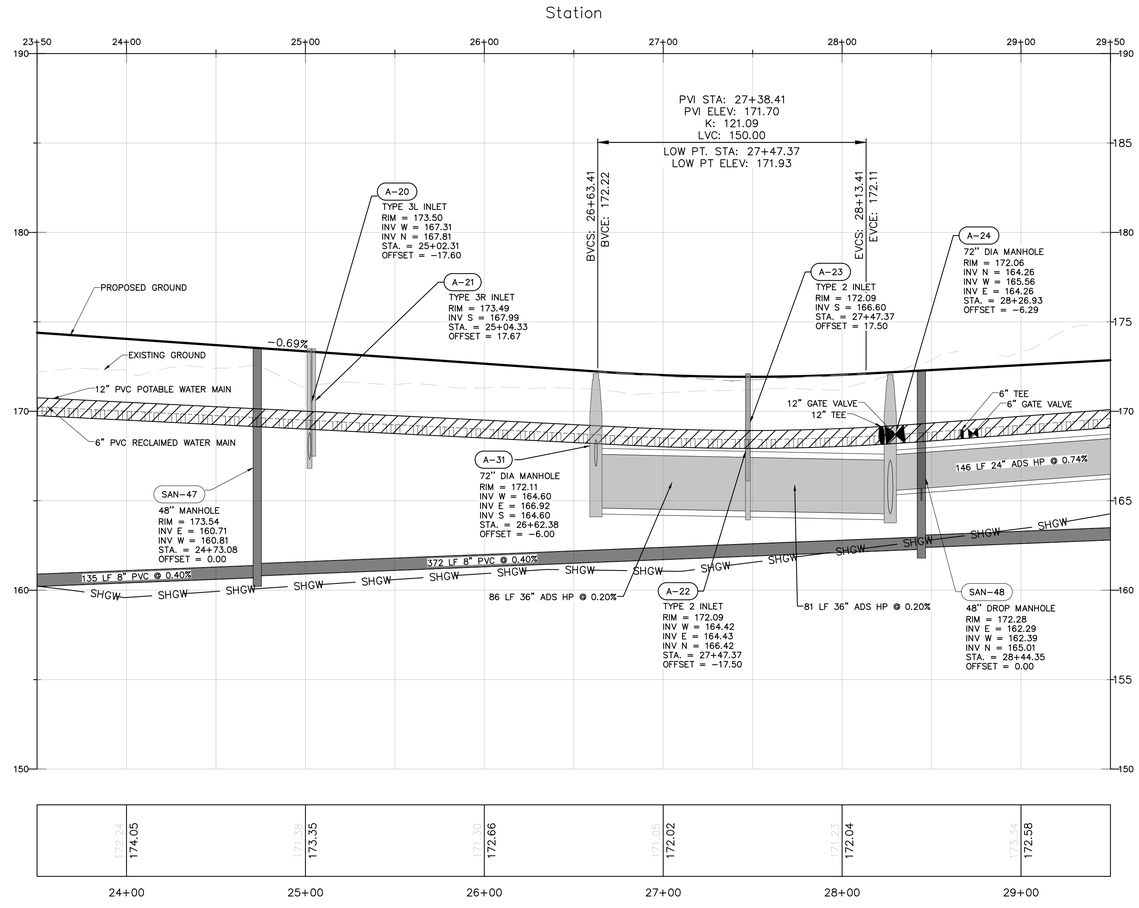
P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\PLAN & PROFILE – STREET A.dwg Modified:4/22/2026 By:afrancis Plotted By:andrew francis







KEY MAP



VERTICAL SCALE: 1" = 4'
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3	05/07/2026	SJRWMD COMMENTS DATED 05/01/2026	SGS

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PLAN & PROFILE - STREET A - STA 24+00 TO 29+00
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C8.4

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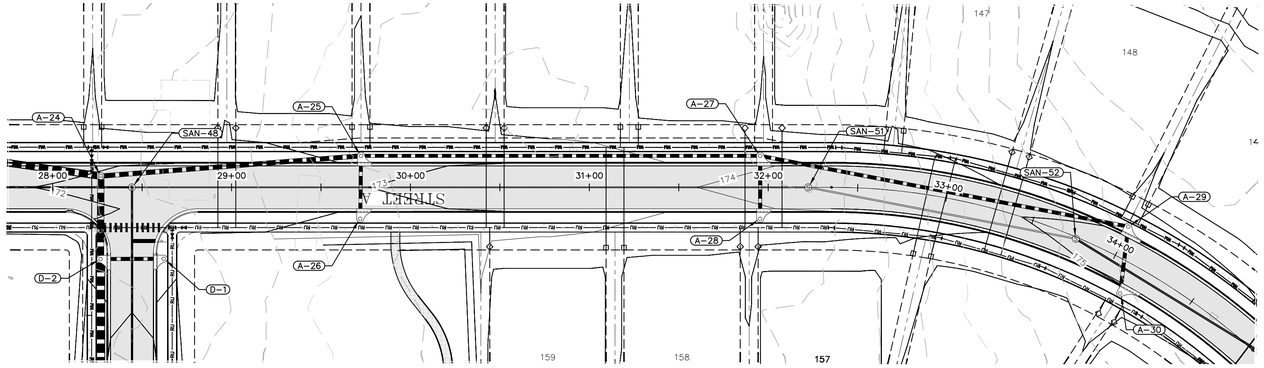
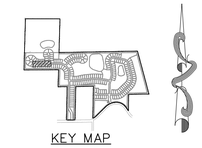
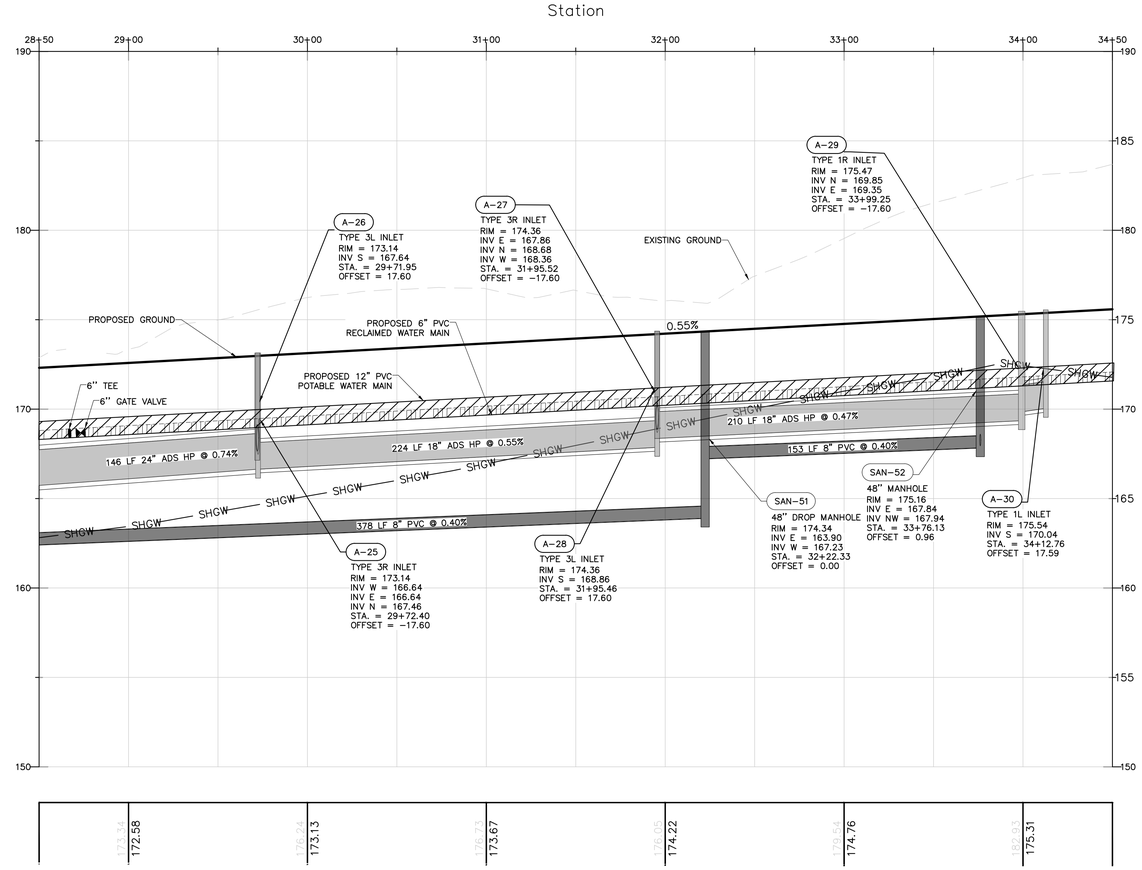



KEY MAP



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3	05/07/2026	SJRWMD COMMENTS DATED 02/20/2026	SKS

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PLAN & PROFILE - STREET A -
STA 29+00 TO 34+00
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C8.5

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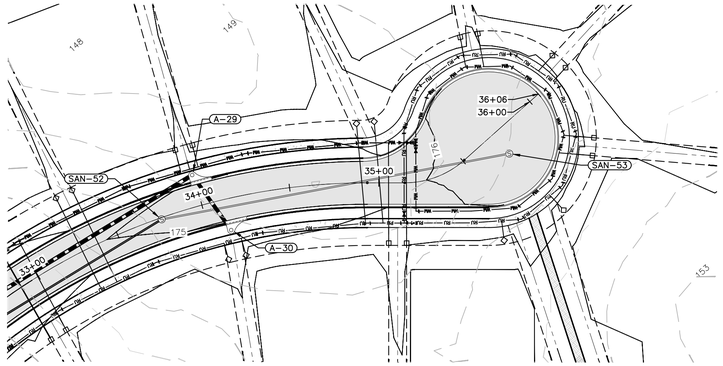
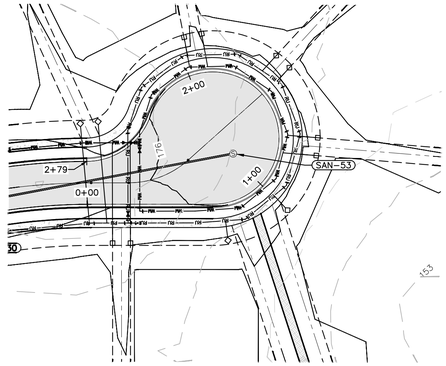
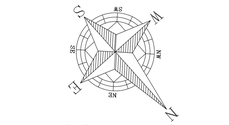


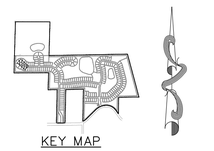




GRAPHIC SCALE

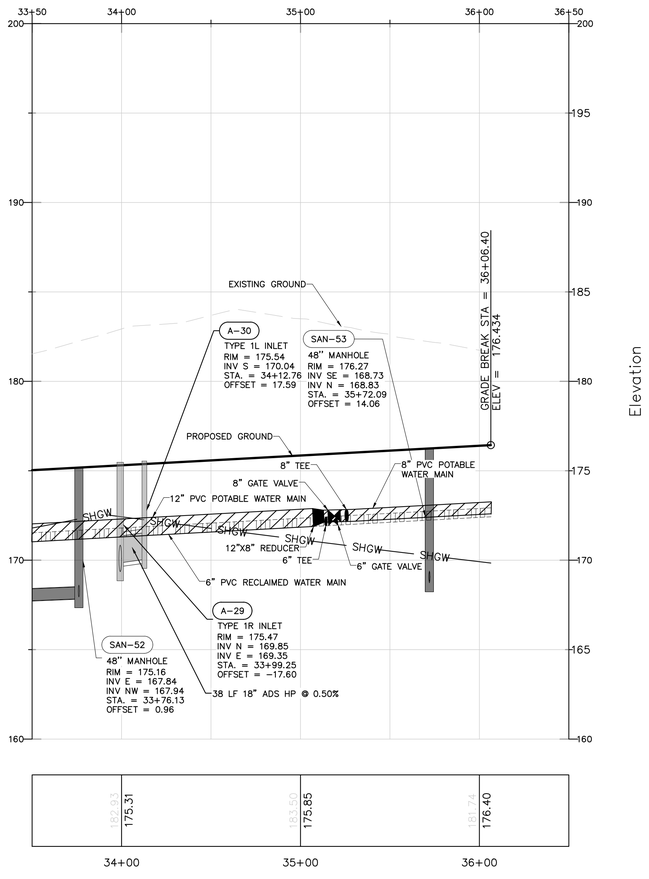
40 0 20 40 80

(IN FEET)
1 inch = 40 ft.



KEY MAP

Station



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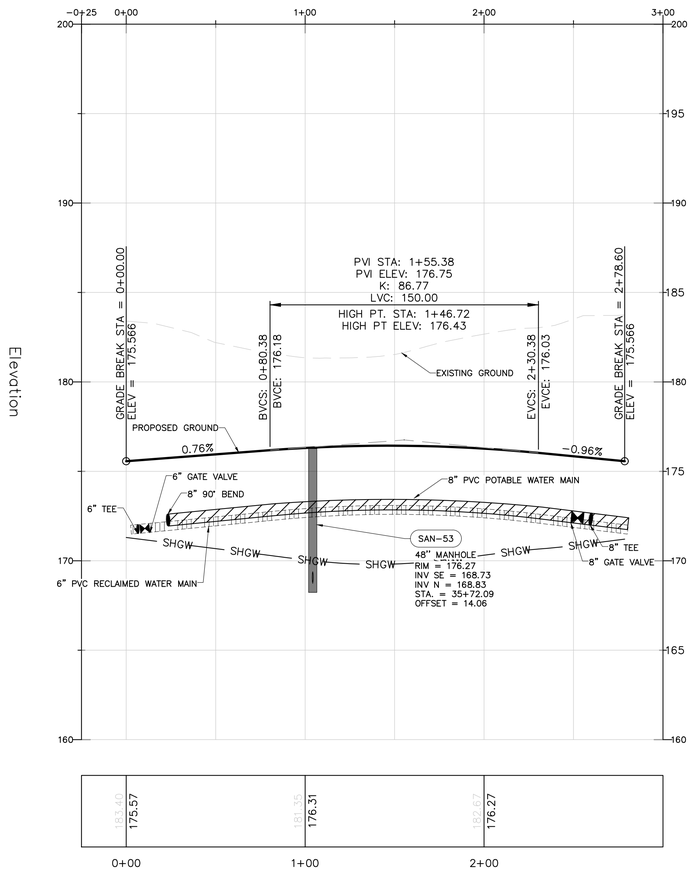

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HORIZONTAL SCALE: 1" = 40'

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REV	DATE	DESCRIPTION	BY
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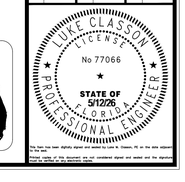
PLAN & PROFILE - STREET A - STA 34+00 TO 36+06
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C8.6



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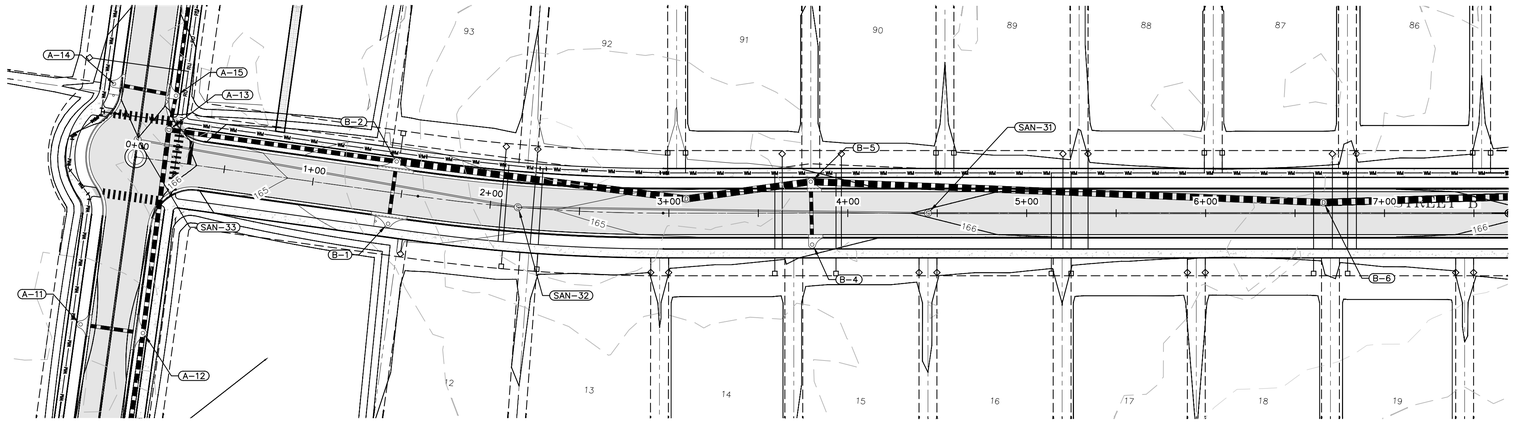
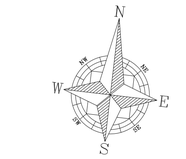
P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\PLAN & PROFILE - STREET A.dwg Modified:4/22/2026 By:afrancis Plotted By:andrew francis

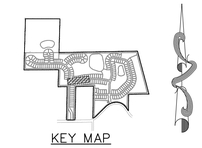




GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
1 inch = 40 ft.



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PLAN & PROFILE – STREET B –
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CONSTRUCTION SITE PLAN

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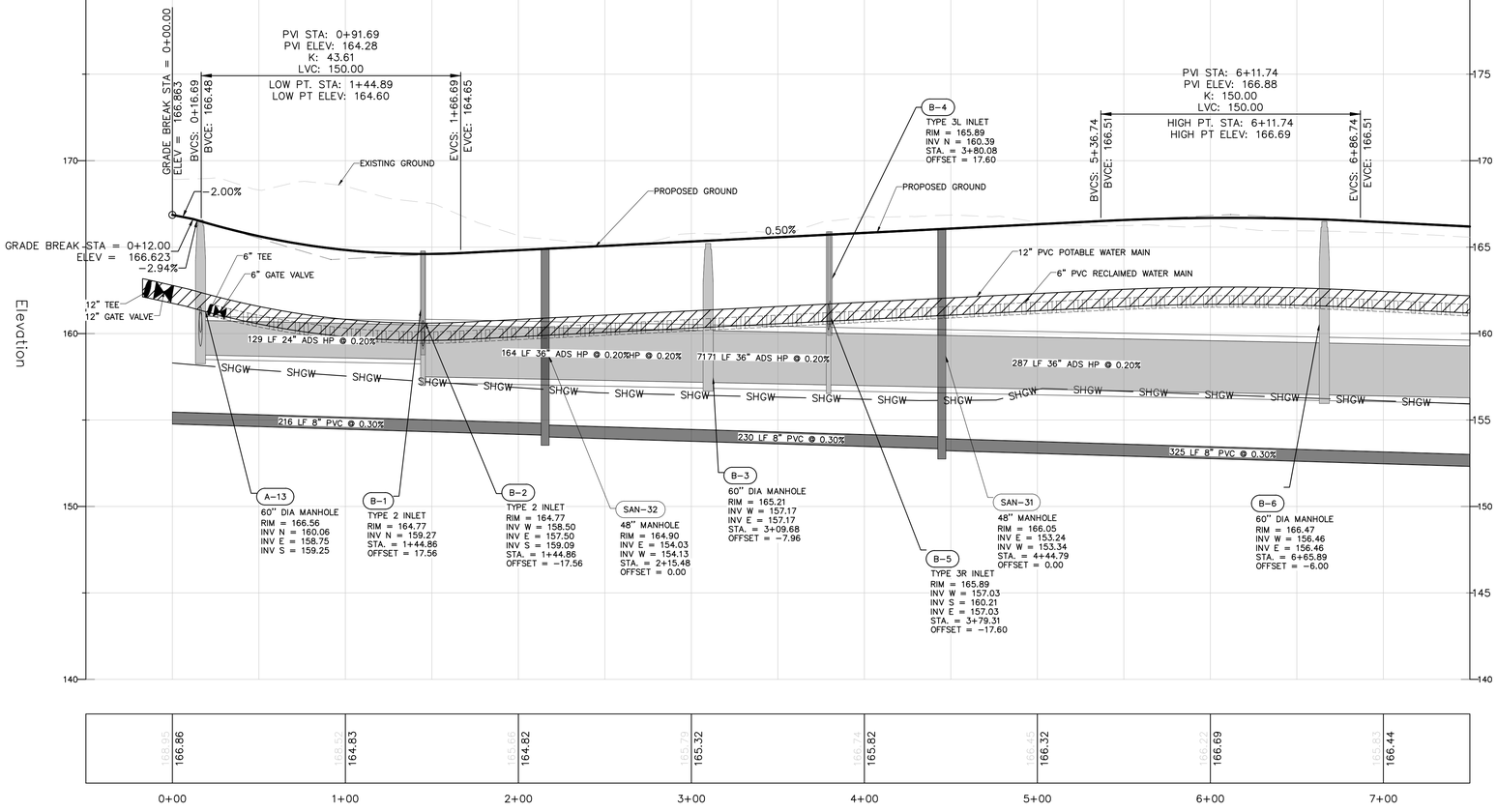
CITY OF APOPKA, FLORIDA



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VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'

DRAWN:	DESIGNED:	CHECKED:	DATE:
L. GRAHAM	S. SIERRA-GIL	L.CLASSON	4/22/2026

SCALE:	PROJECT	SHEET
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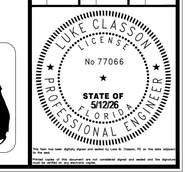

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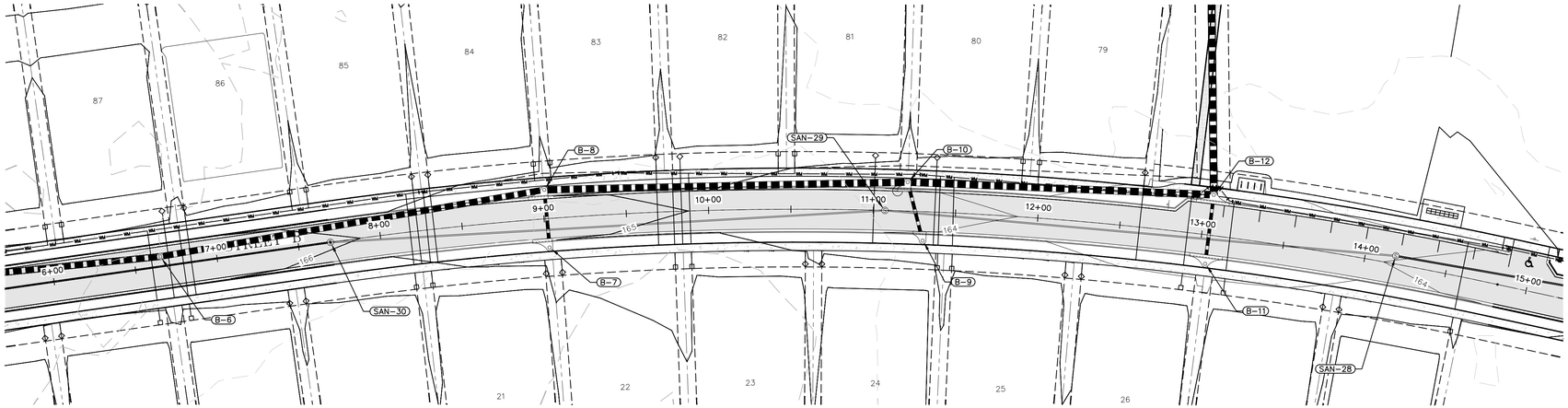

GRAPHIC SCALE

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(IN FEET)
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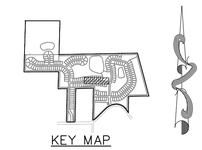
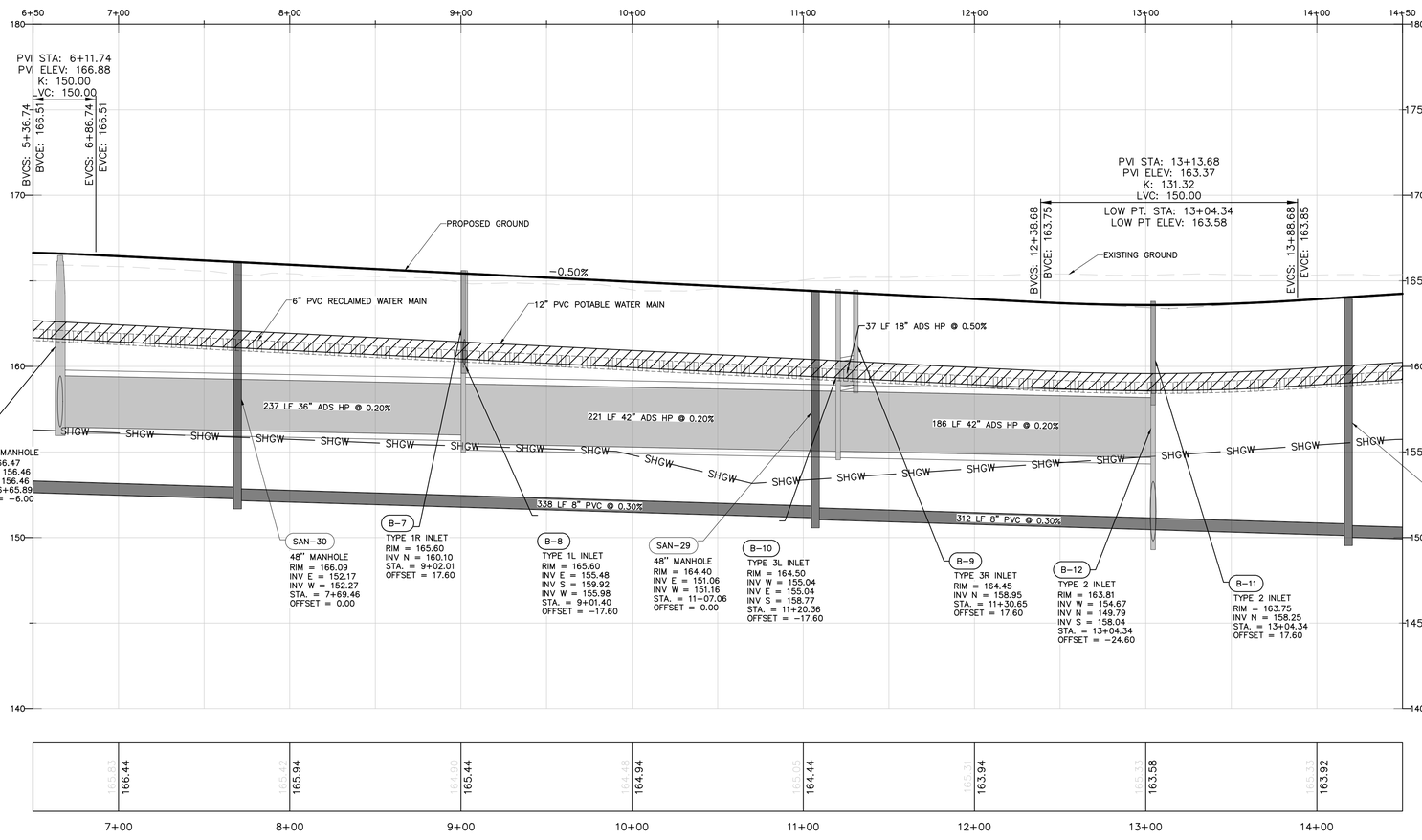


KEY MAP

Station



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PLAN & PROFILE - STREET B - STA 7+00 TO 14+00
CONSTRUCTION SITE PLAN

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CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/22/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C8.8

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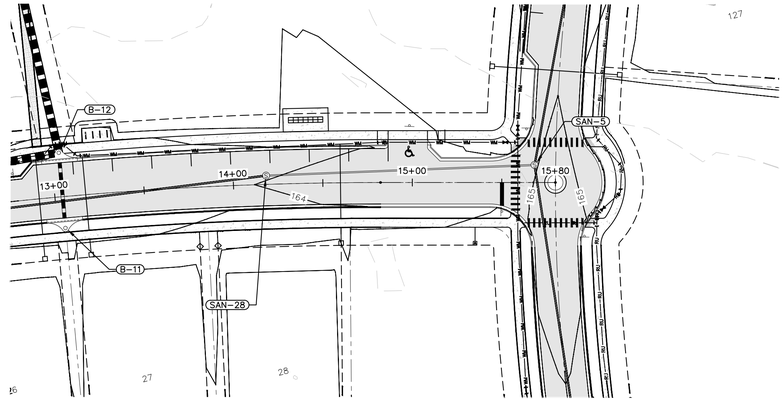

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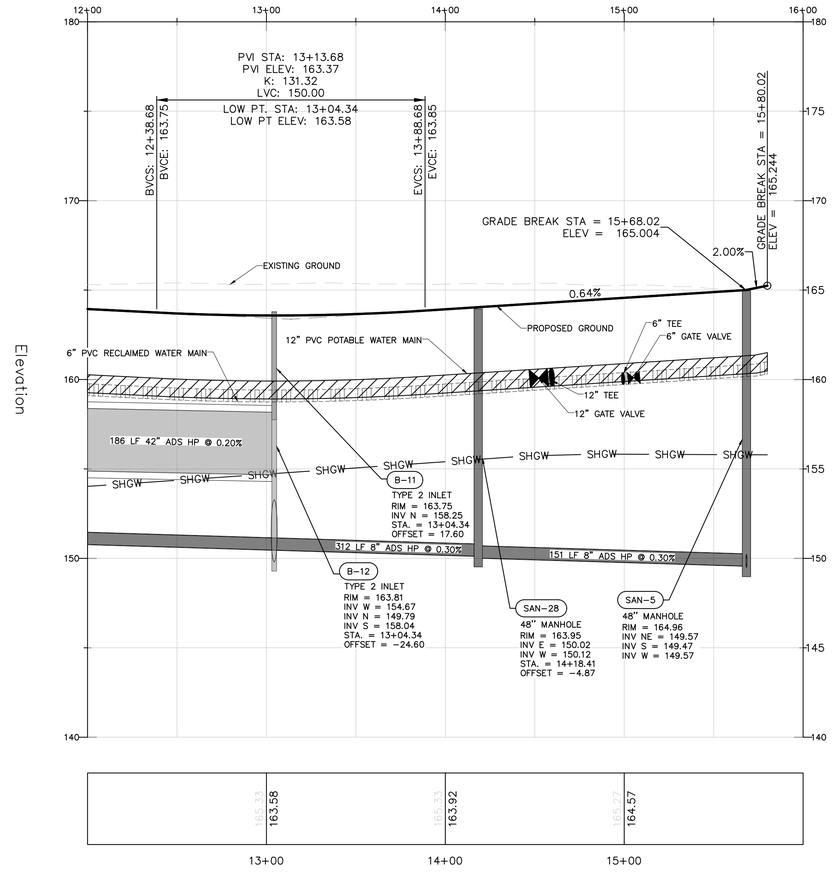

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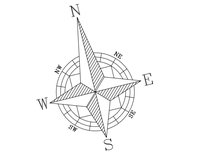

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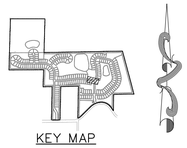

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SCALE: 1" = 40'
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SHEET: C8.9

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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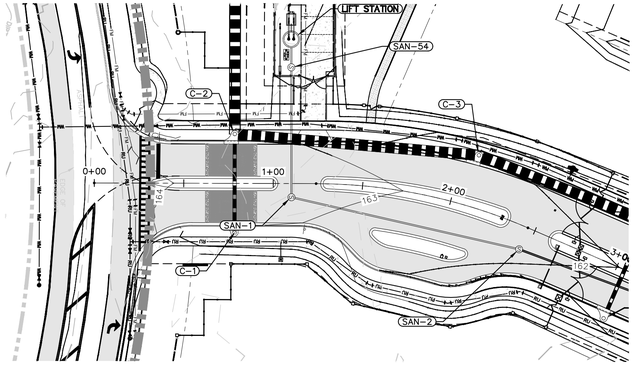

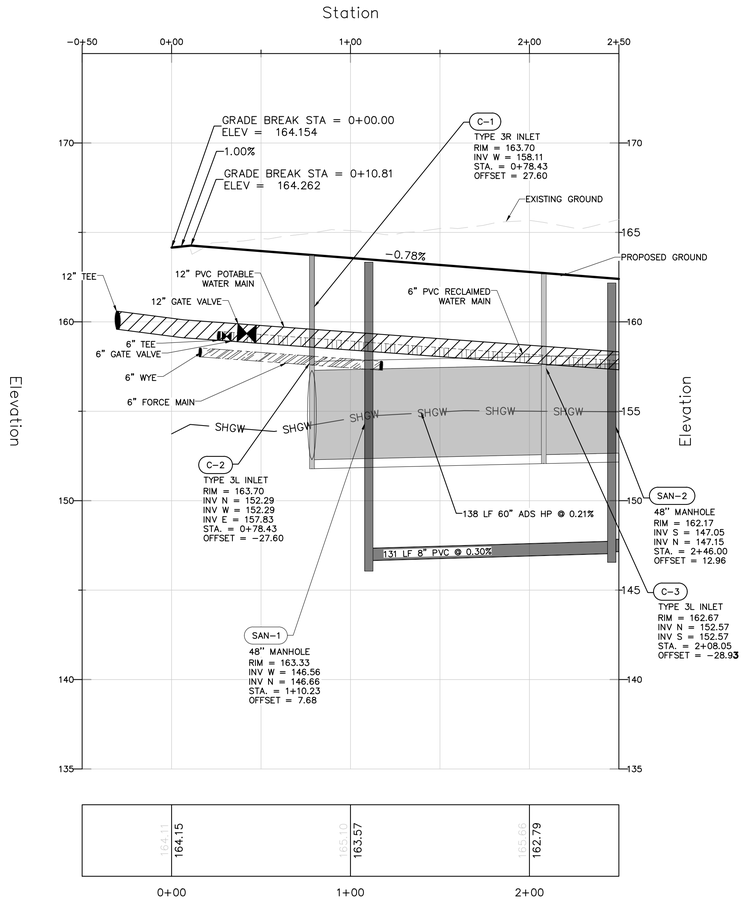

GRAPHIC SCALE

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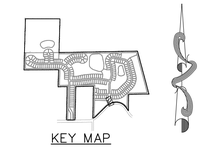

KEY MAP

PRESSURE PIPE NOTES PER F.A.C. RULE 62−55.314

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON−SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

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3	03/03/2026	SJRWMD COMMENTS DATED 02/20/2026	SKS

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PLAN & PROFILE − STREET C − STA 0+00 TO 2+00
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/18/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C8.10

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER
5/12/26

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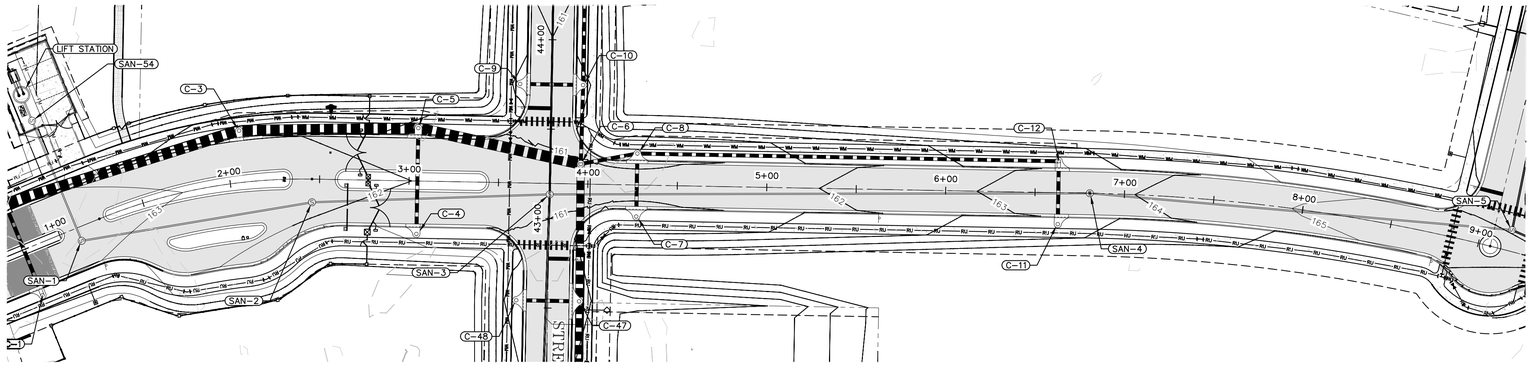

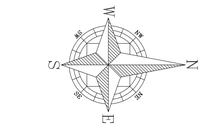

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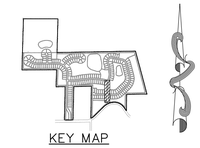

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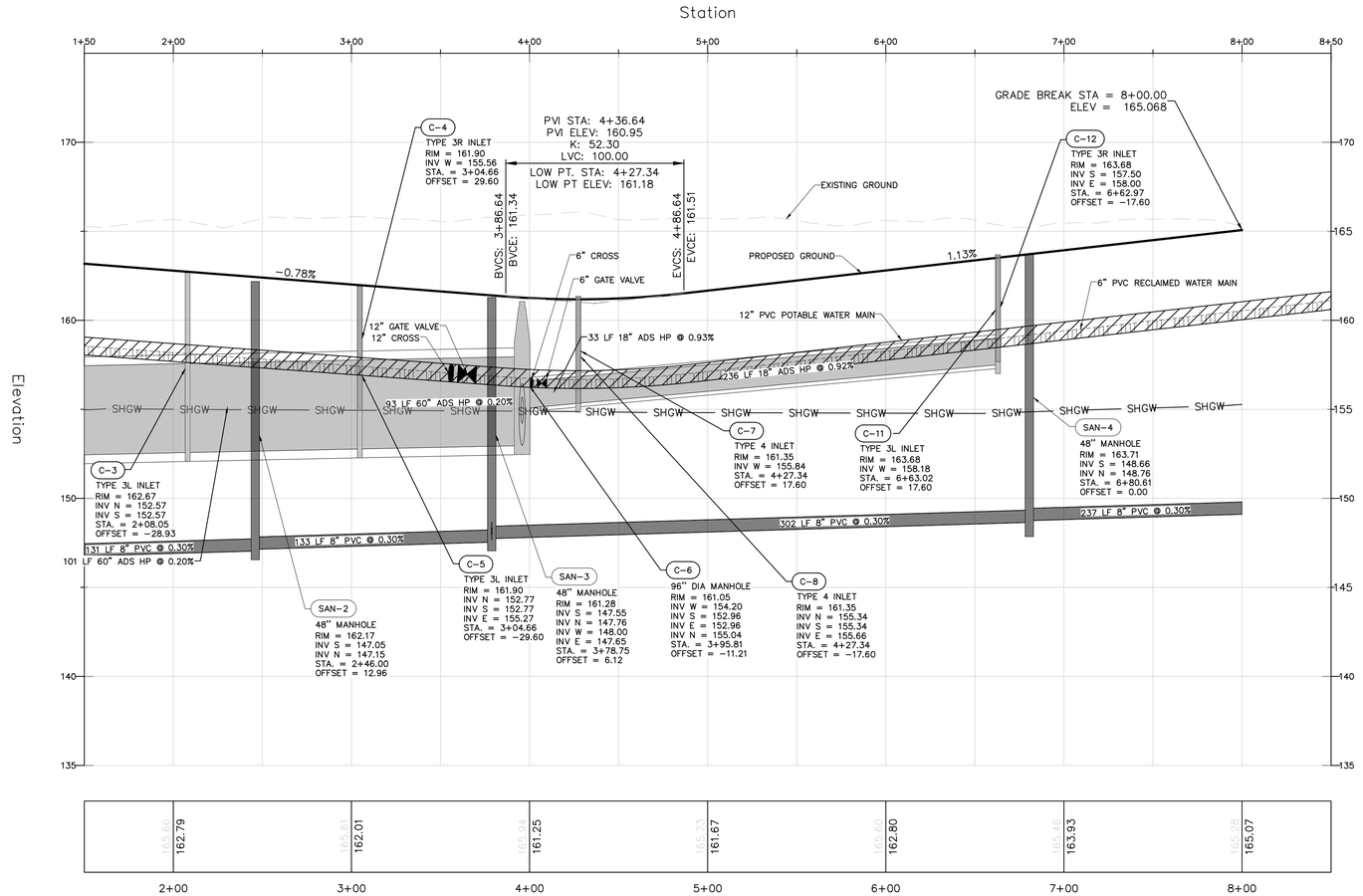

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PLAN & PROFILE - STREET C - STA 2+00 TO 8+00
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/18/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C8.11

LUKE CLASSON LICENSED No 77066 STATE OF 5/12/26 PROFESSIONAL ENGINEER

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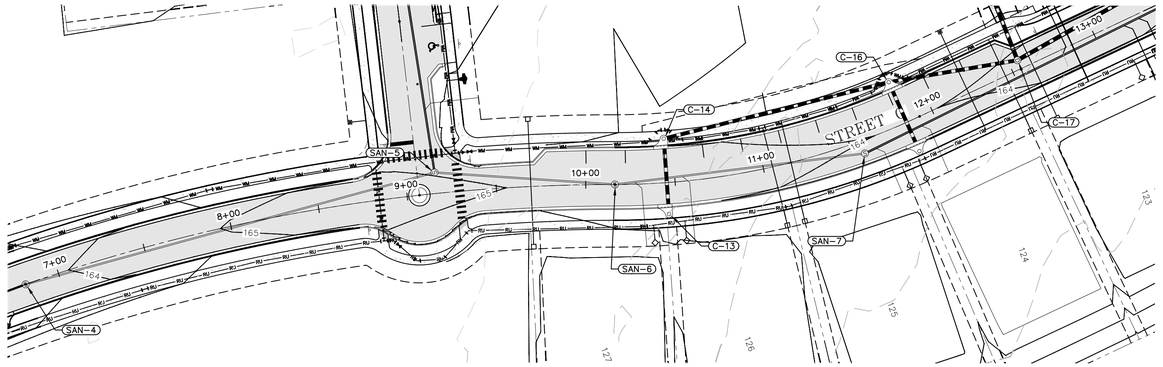

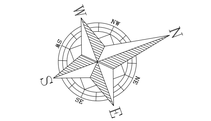

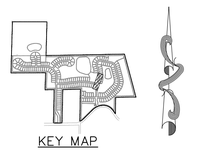

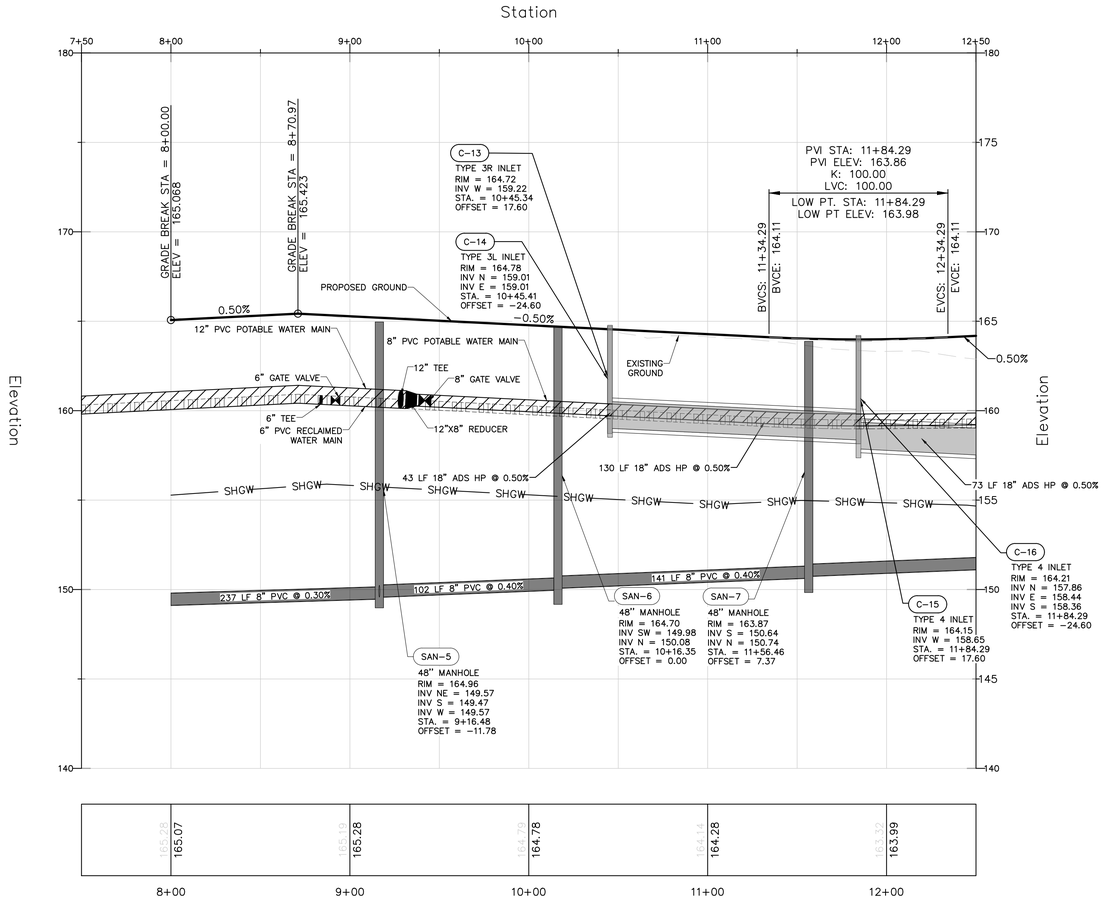

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OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN:	DESIGNED:	CHECKED:	DATE:
L. GRAHAM	S. SIERRA-GIL	L.CLASSON	3/18/2026

SCALE:	PROJECT	SHEET
1" = 40'	PUL-037	C8.12

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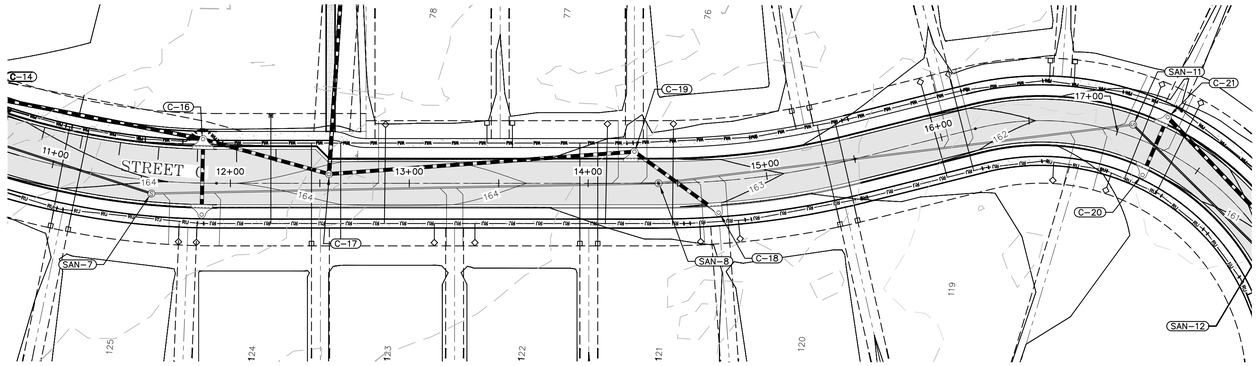

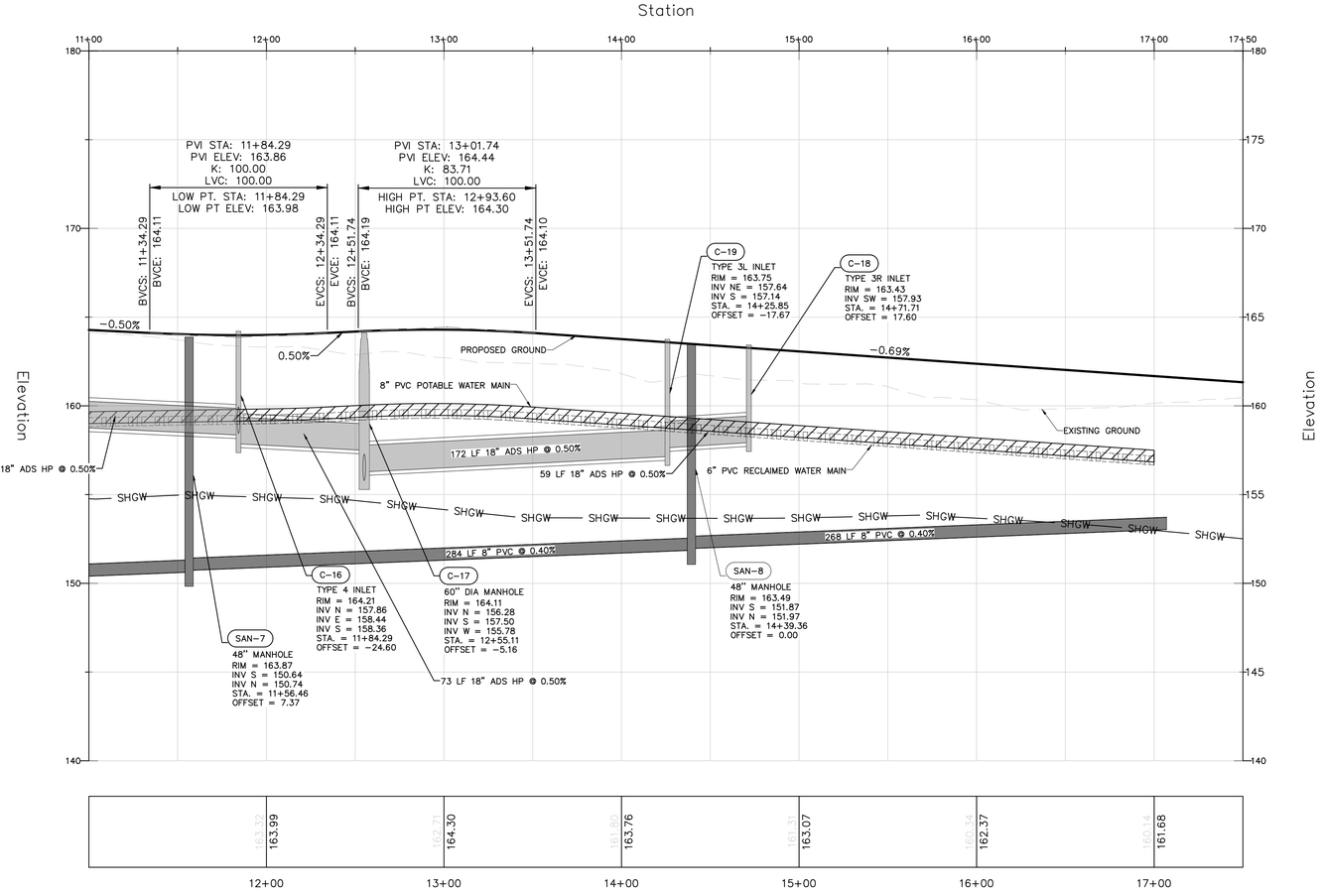

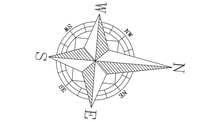

GRAPHIC SCALE

40 0 20 40 80

(IN FEET)
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CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN:	DESIGNED:	CHECKED:	DATE:
L. GRAHAM	S. SIERRA-GIL	L.CLASSON	3/18/2026

SCALE	PROJECT	SHEET
1" = 40'	PUL-037	C8.13

LUKE CLASSON
LICENSE
No 77066
STATE OF FLORIDA
5/12/26
PROFESSIONAL ENGINEER

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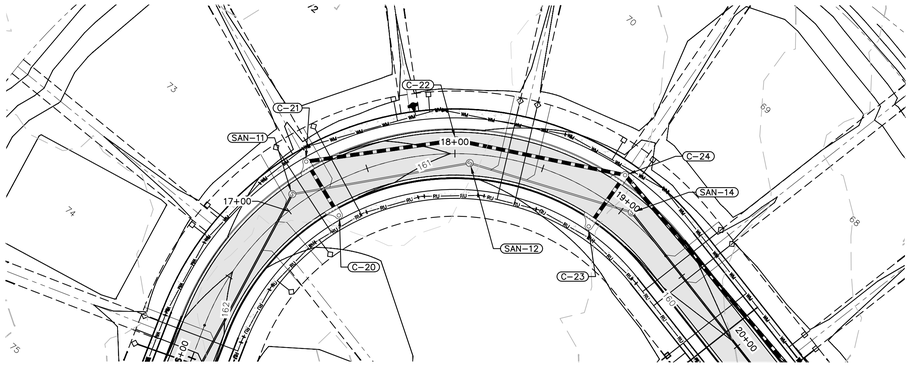

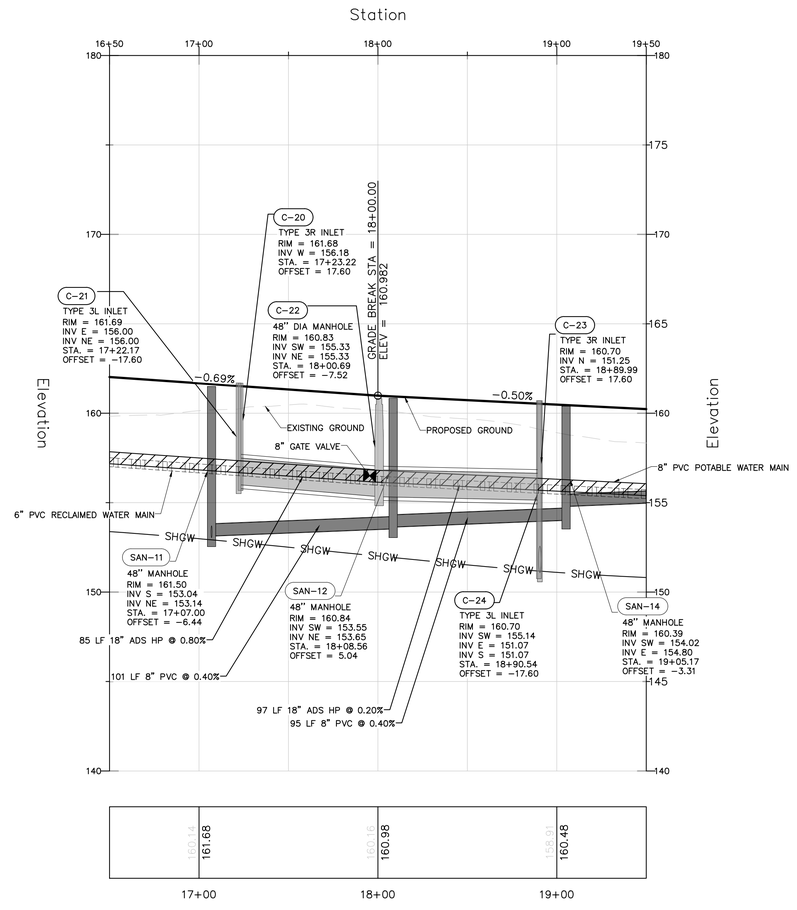

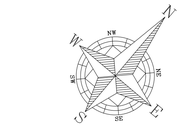

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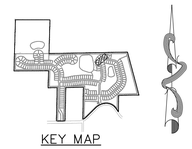

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DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/18/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C8.14

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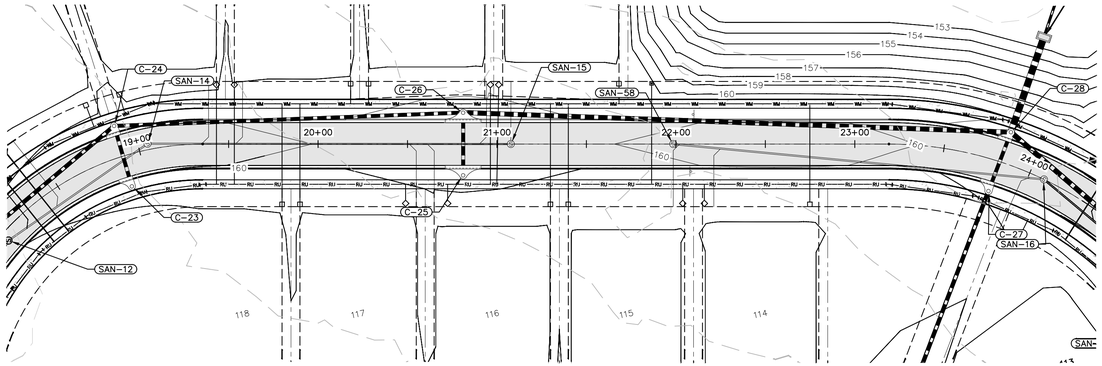

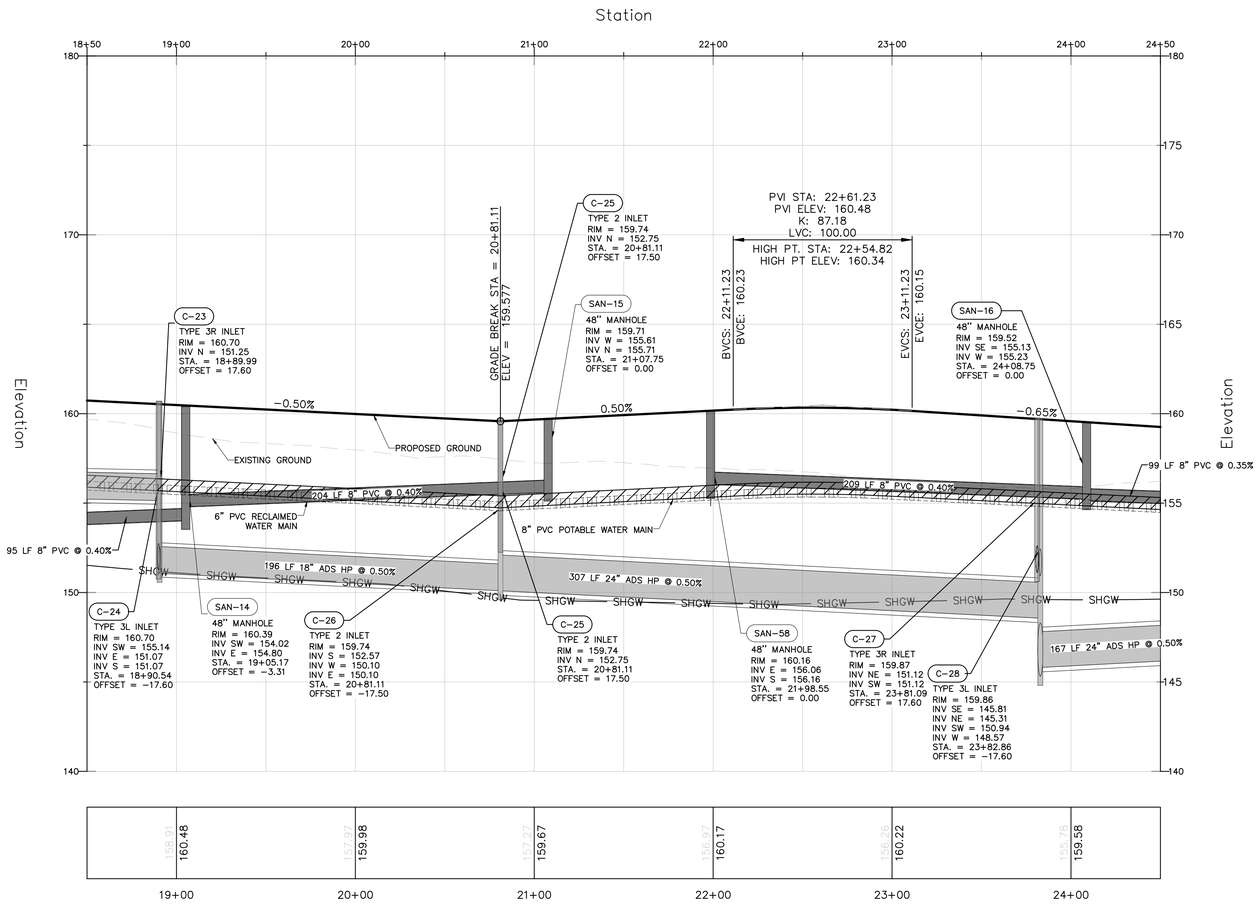

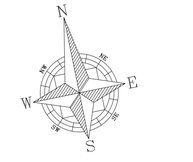

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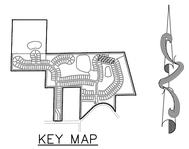

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DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/18/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C8.15

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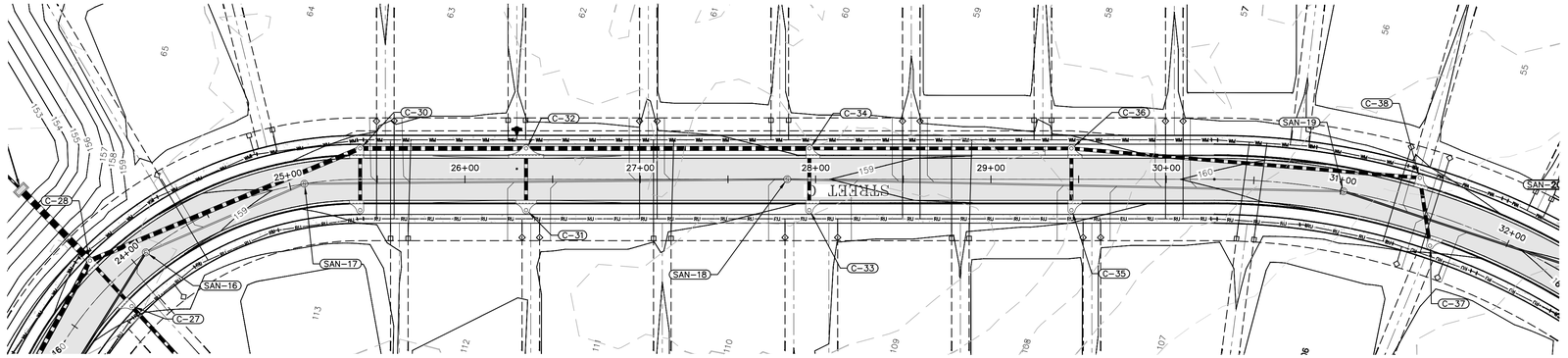

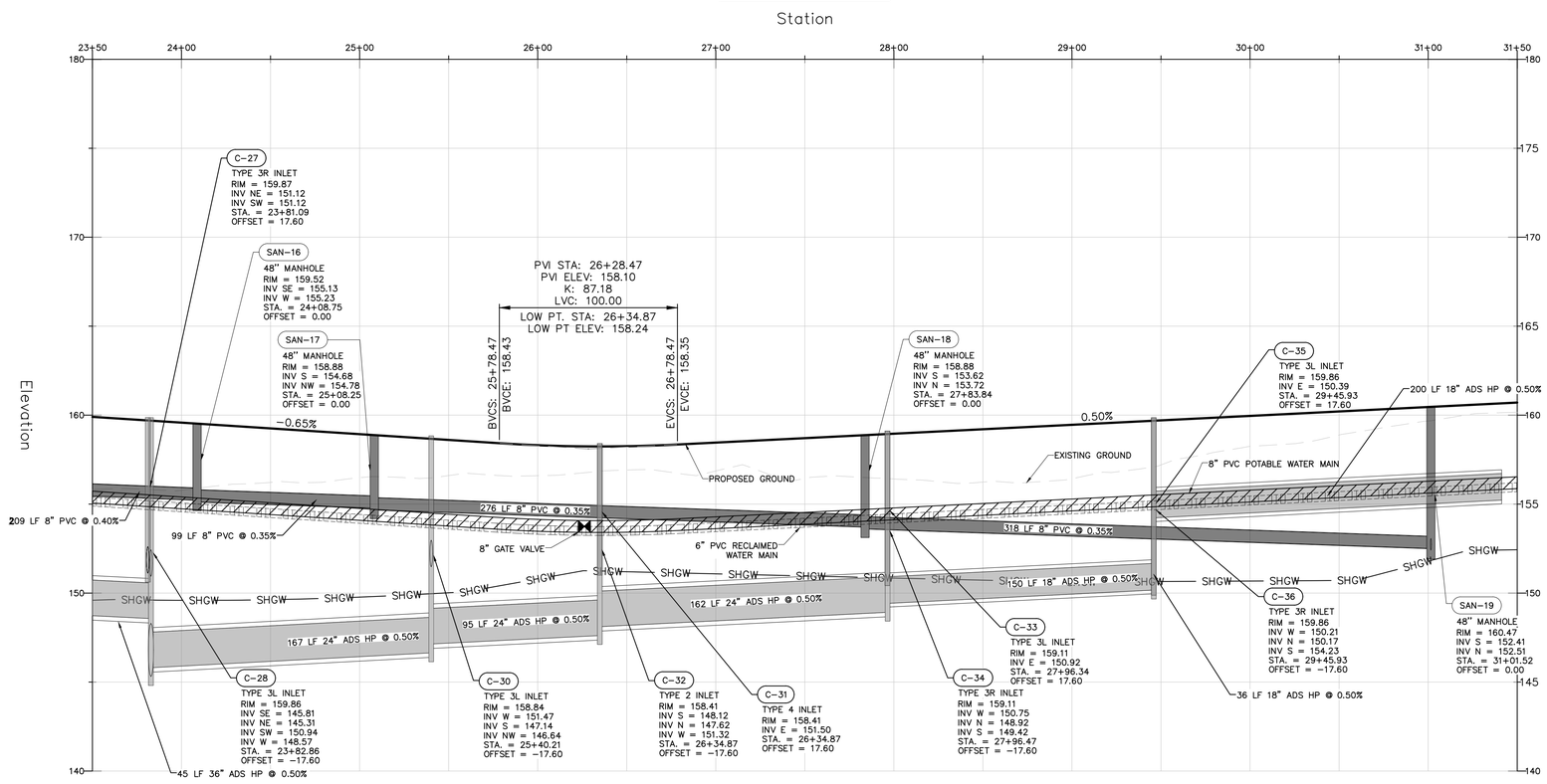

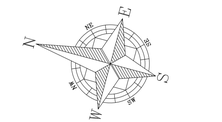

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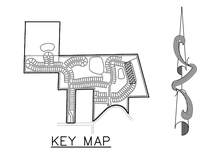

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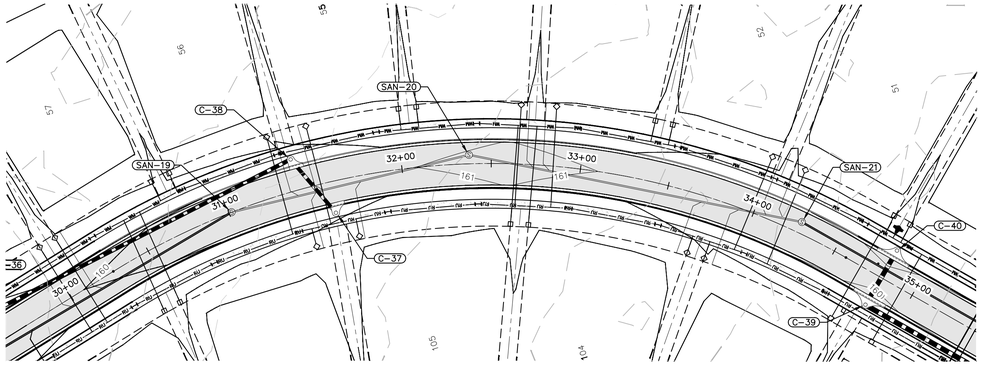

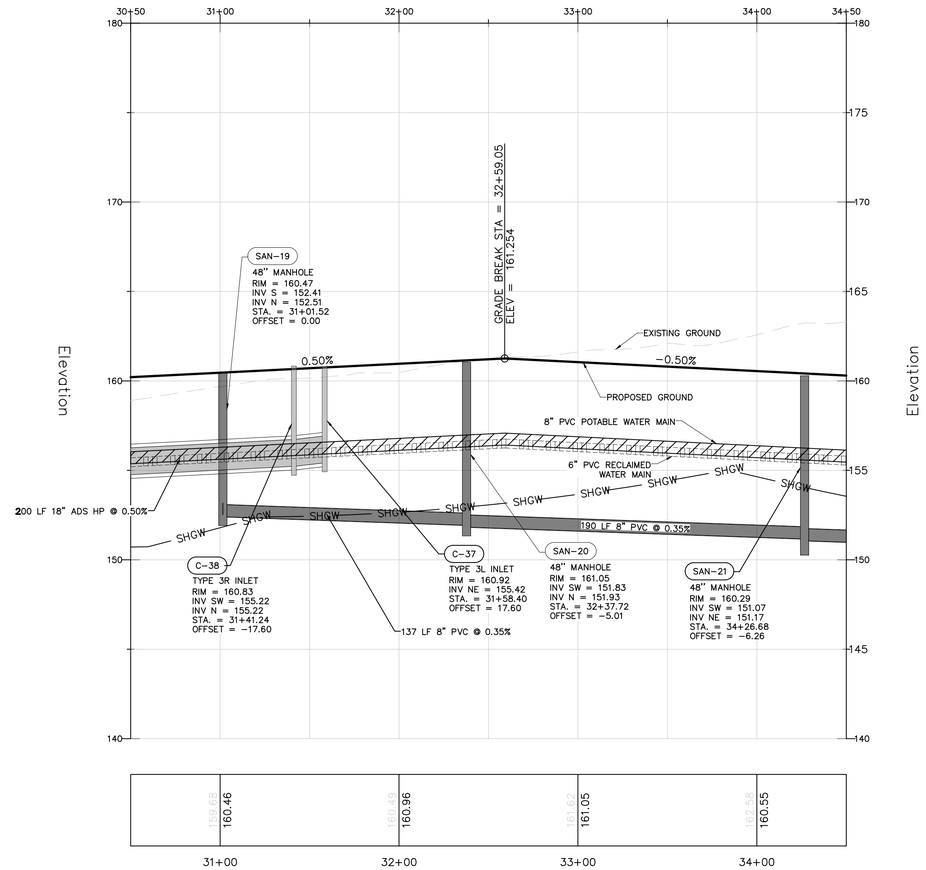

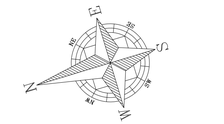

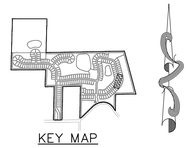
KEY MAP

PRESSURE PIPE NOTES PER F.A.C. RULE 62-55.314

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

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PLAN & PROFILE - STREET C - STA 31+00 TO 34+00
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L. CLASSON
DATE: 3/18/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C8.17

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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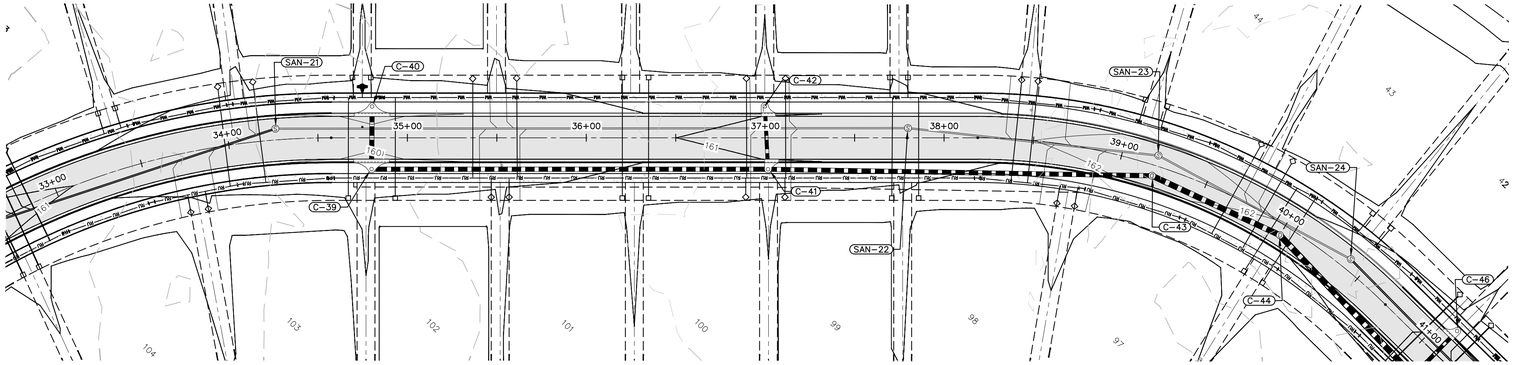
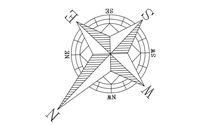
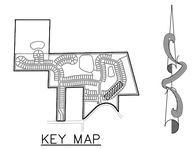
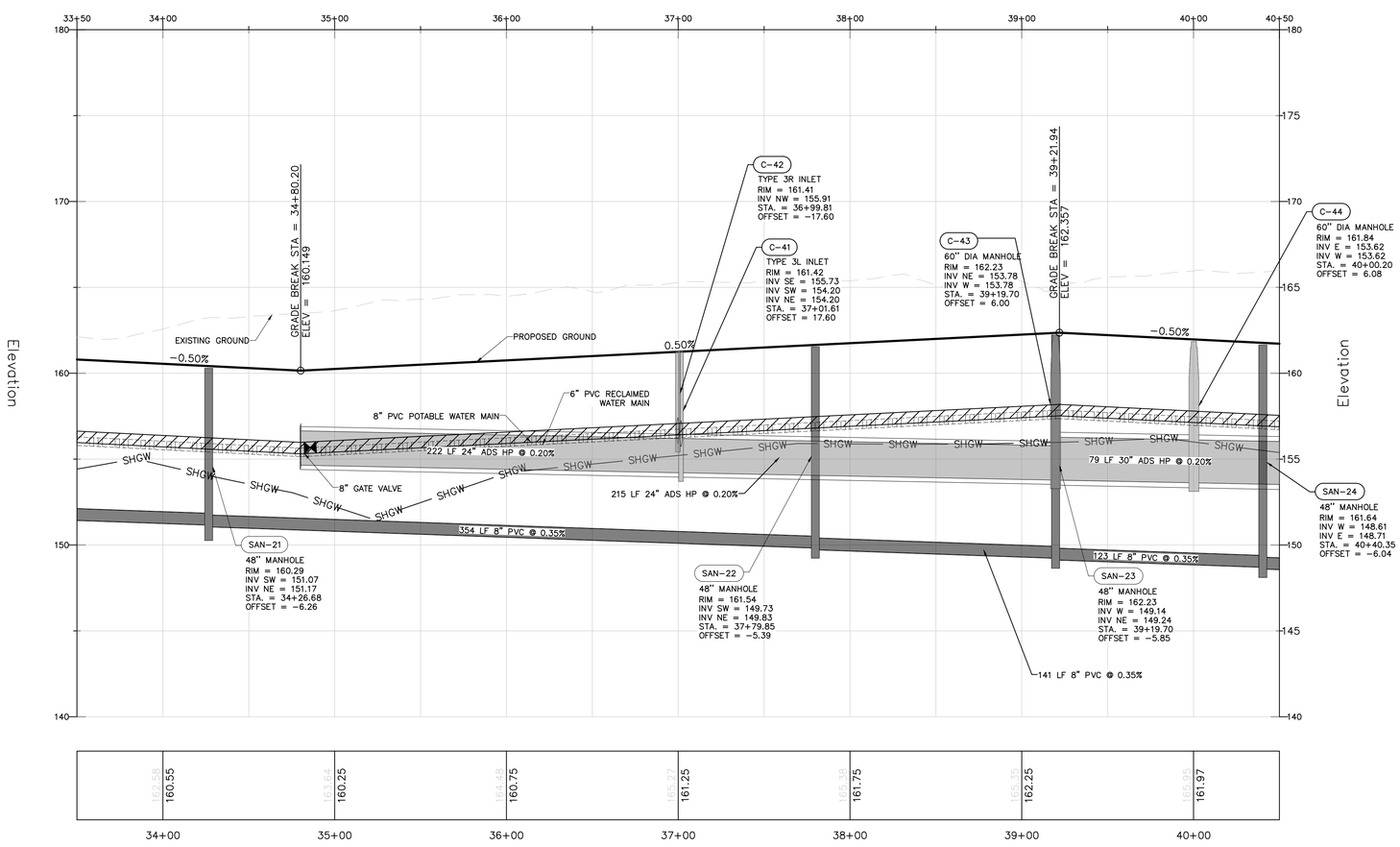





KEY MAP

Station



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PLAN & PROFILE − STREET C − STA 34+00 TO 40+00 CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/18/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C8.18

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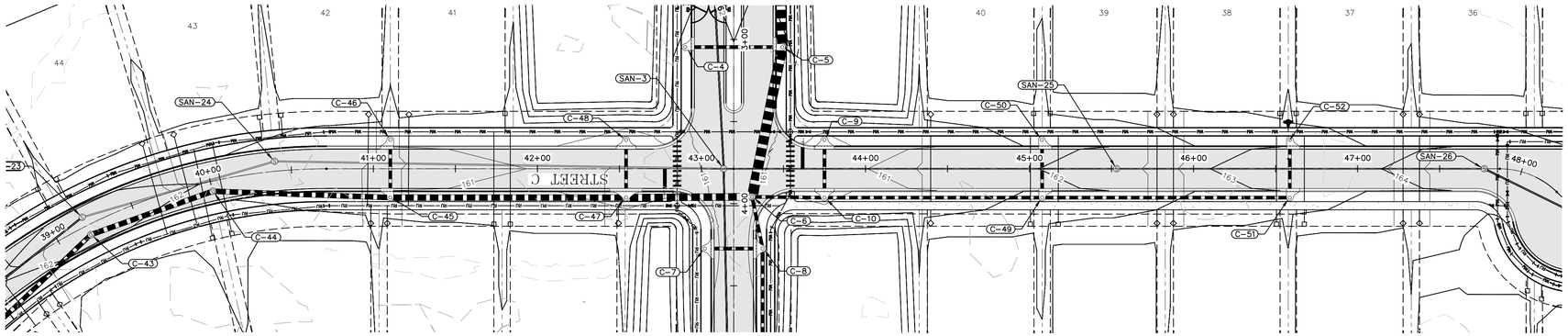
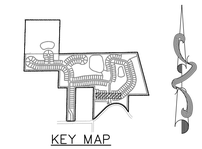
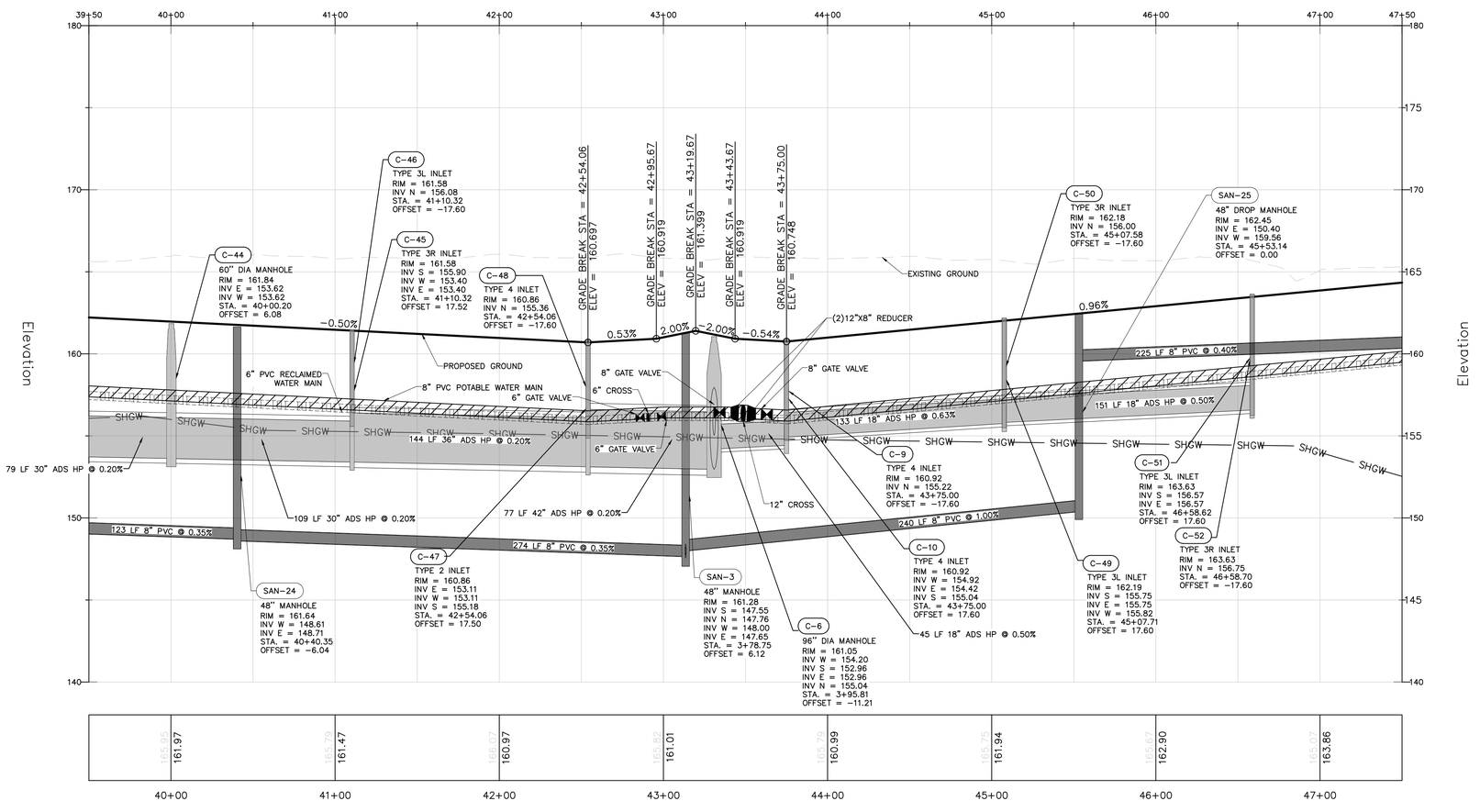




KEY MAP

Station



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PLAN & PROFILE - STREET C - STA 40+00 TO 47+00
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/18/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C8.19

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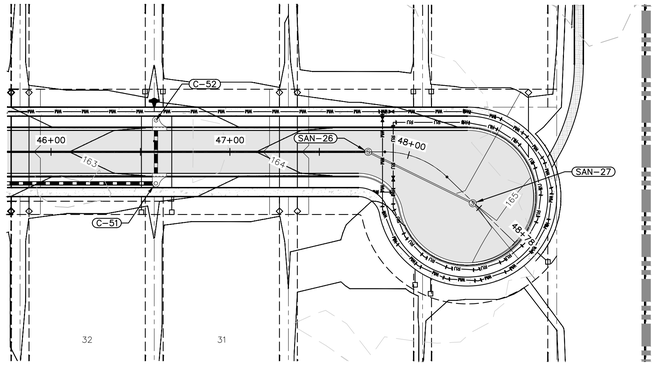
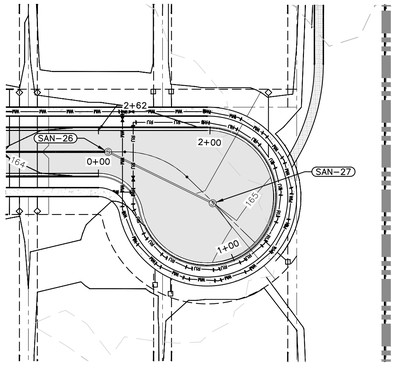
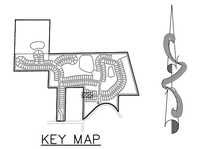
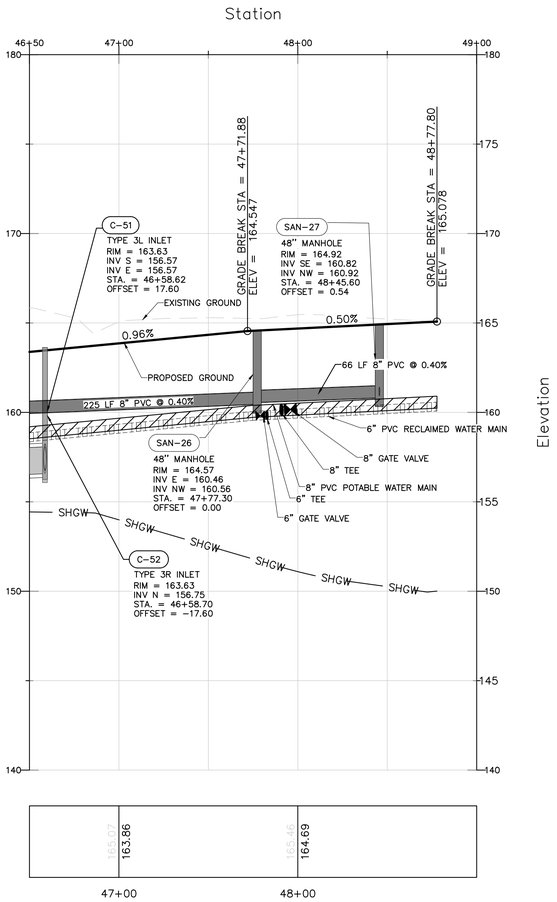


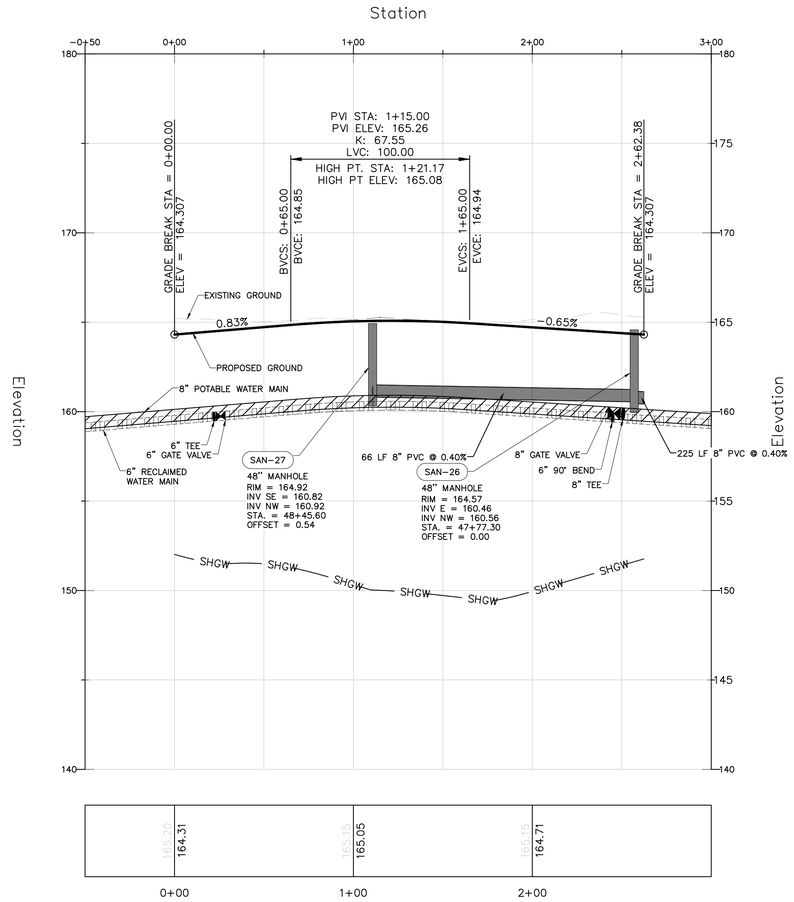




KEY MAP

STREET C CUL-DE-SAC PROFILE





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1	02/12/2026	CITY OF APOPKA COMMENTS DATED 01/14/2026	DSS
2	04/30/2026	S.JURKO COMMENTS DATED 03/30/2026	DSS
3	05/07/2026	S.JURKO COMMENTS DATED 05/07/2026	SKS

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PLAN & PROFILE - STREET C - STA 47+00 TO 48+78 CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/18/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C8.20

LUKE CLASSON LICENSE No 77066 STATE OF 5/12/26 PROFESSIONAL ENGINEER

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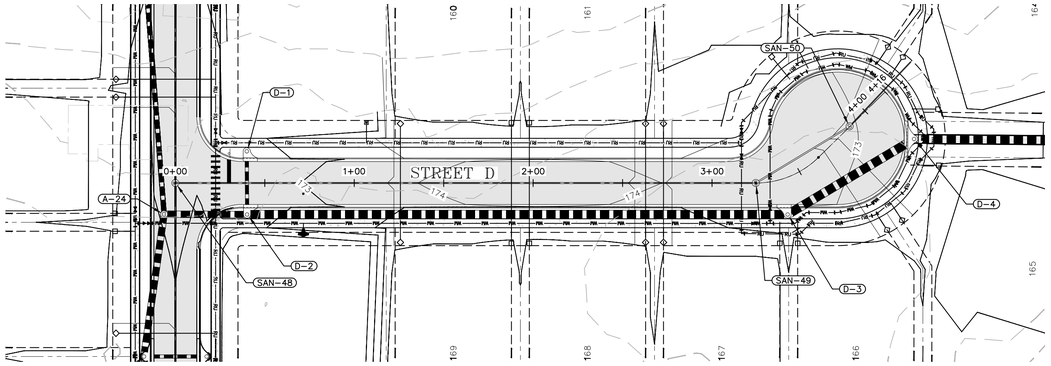
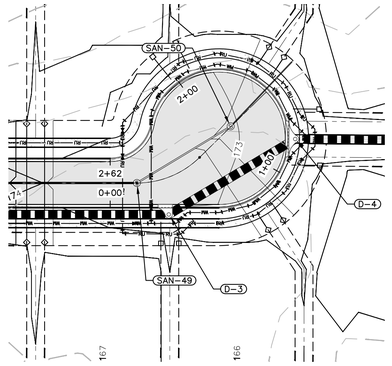
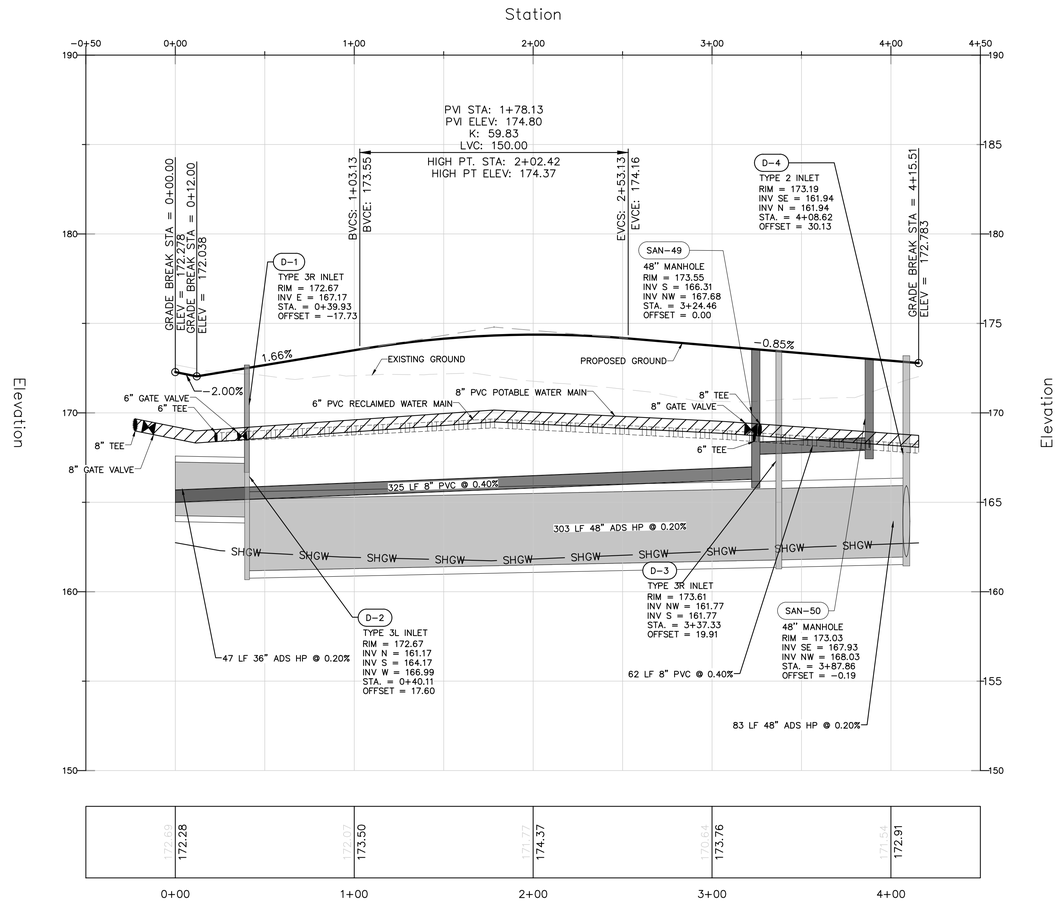
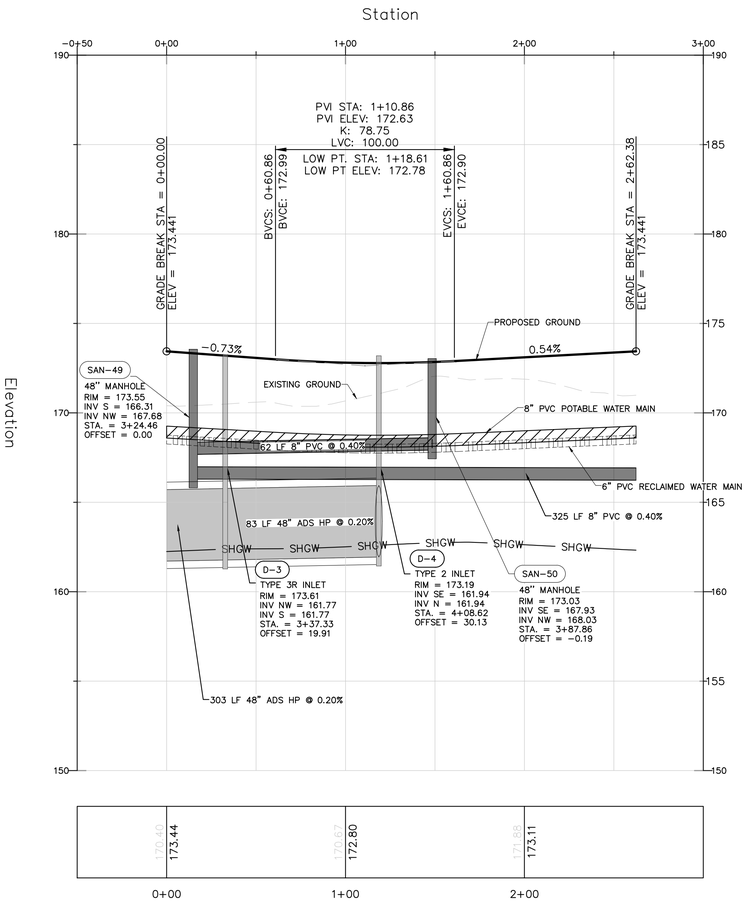
P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\PLAN & PROFILE - STREET C.dwg Modified:4/22/2026 By:afrancis Plotted By:andrew francis

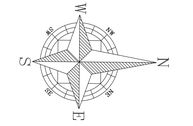








VERTICAL SCALE: 1" = 4'
HORIZONTAL SCALE: 1" = 40'



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07	05/07/2026	SJRWMD COMMENTS DATED 05/01/2026	SSS

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PLAN & PROFILE - STREET D
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/17/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C8.21

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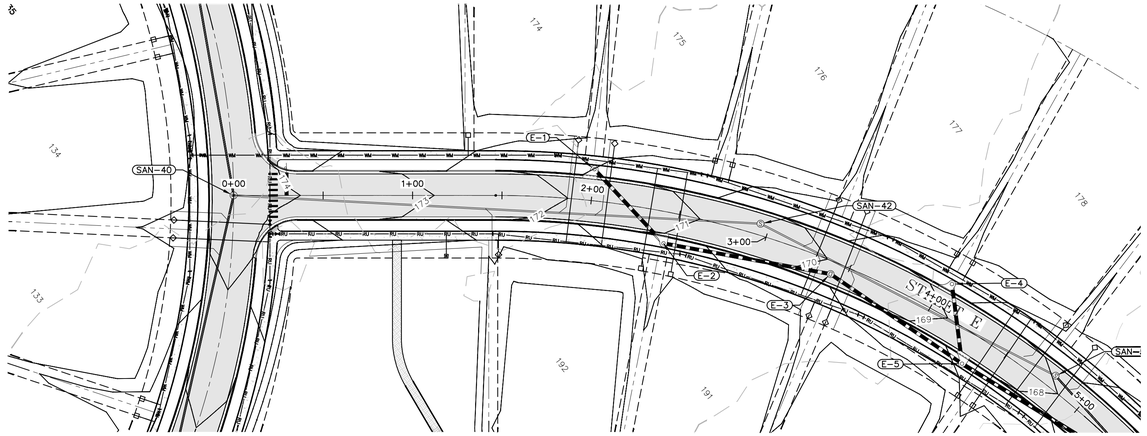
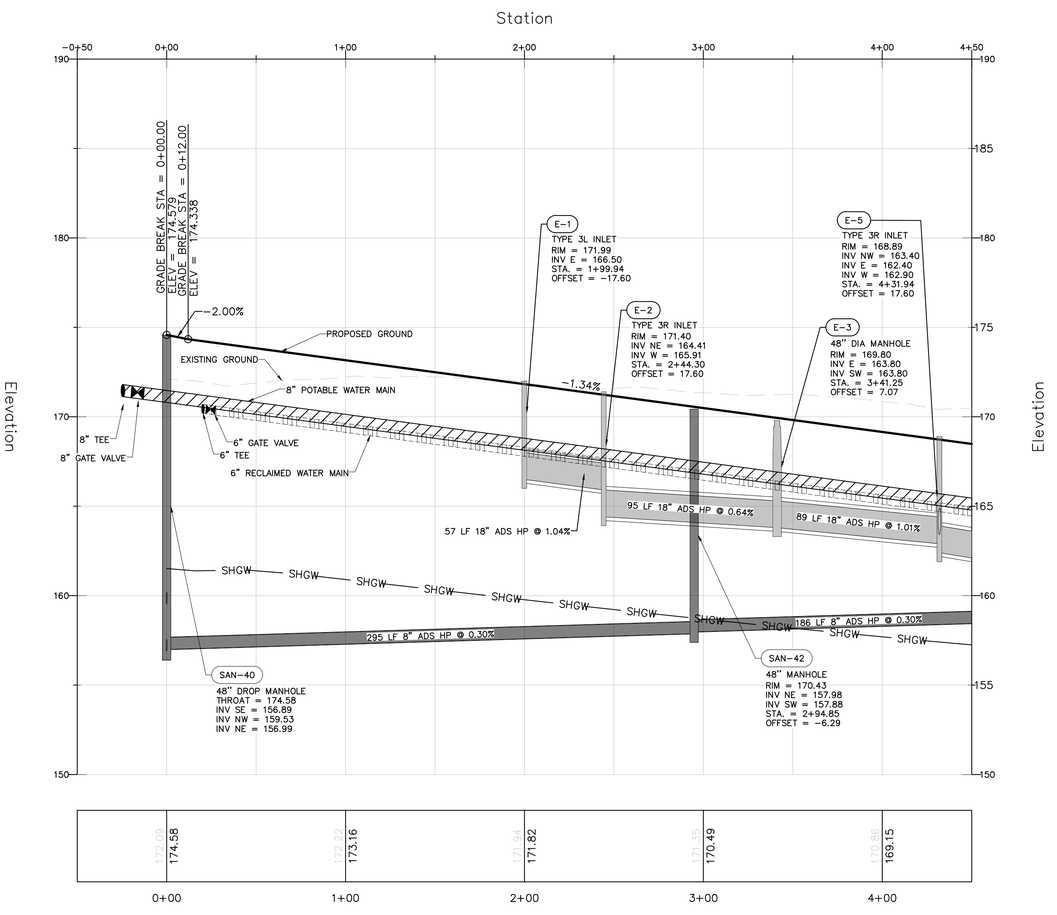
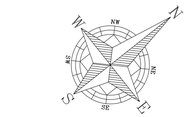
Page 182 of 194

P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\PLAN & PROFILE - STREET D.dwg Modified:4/22/2026 By:asanchez Plotted By:andrew.francis







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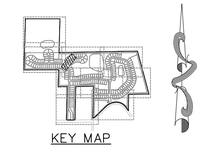

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PLAN & PROFILE − STREET E − STA 0+00 TO 4+00
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA−GIL
CHECKED: L.CLASSON
DATE: 4/8/2026

SCALE: 1" = 40'
PROJECT: PUL−037
SHEET: C8.22

LUKE CLASSON LICENSE PROFESSIONAL ENGINEER No 77066 STATE OF FLORIDA 5/12/26

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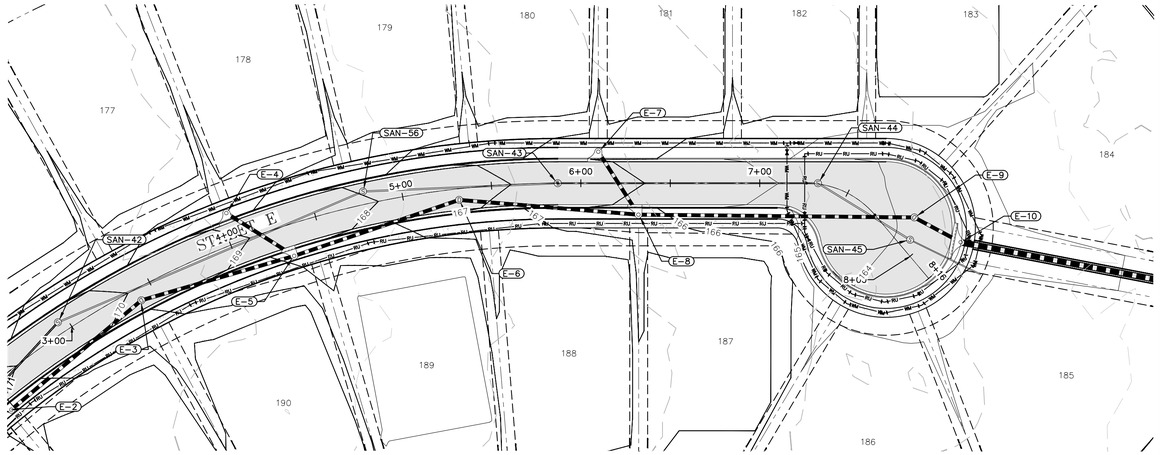

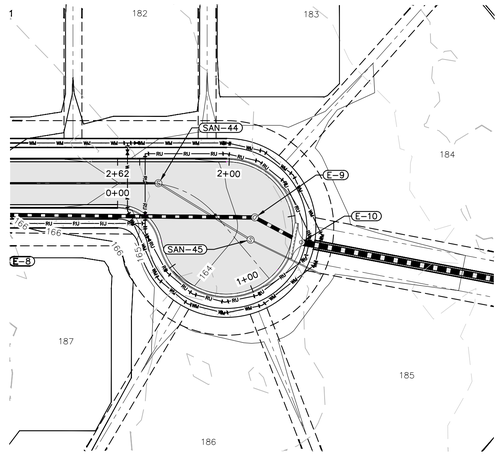

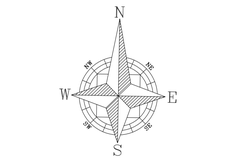

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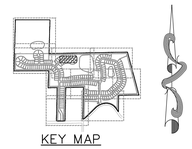
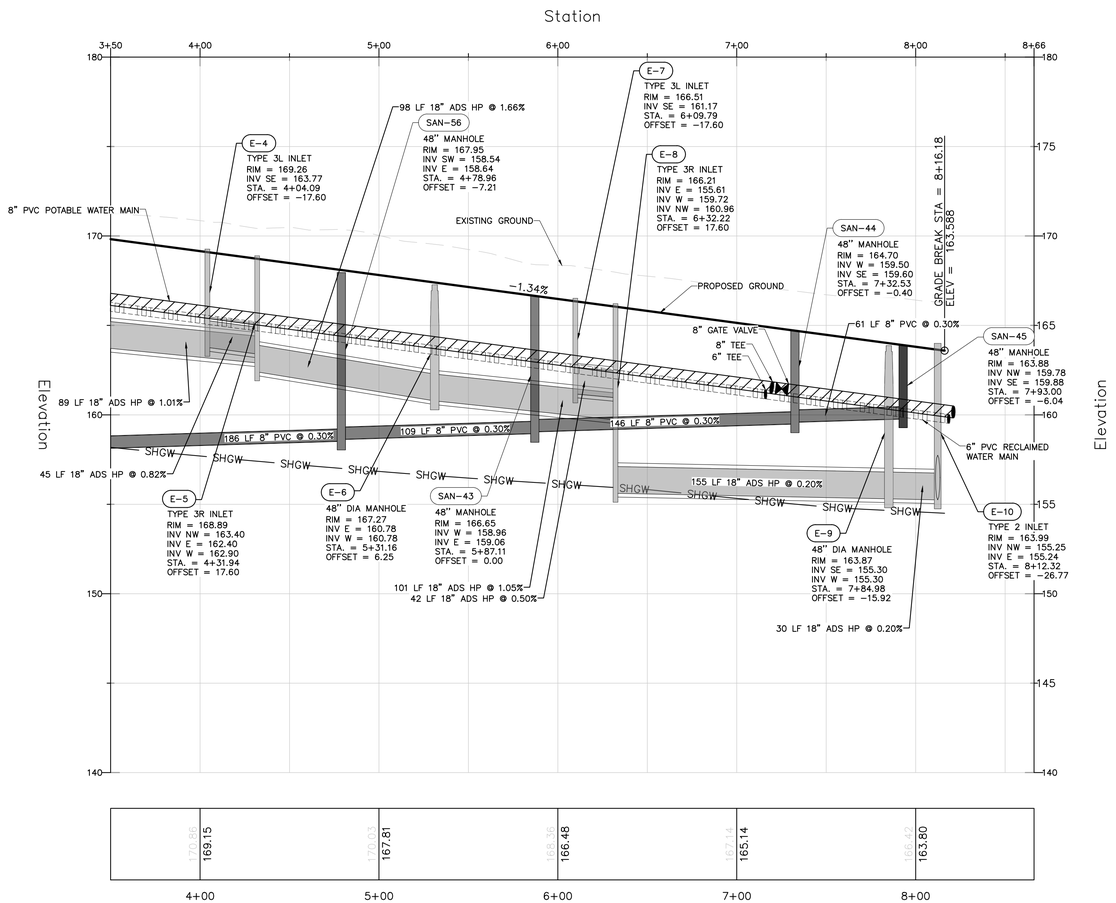
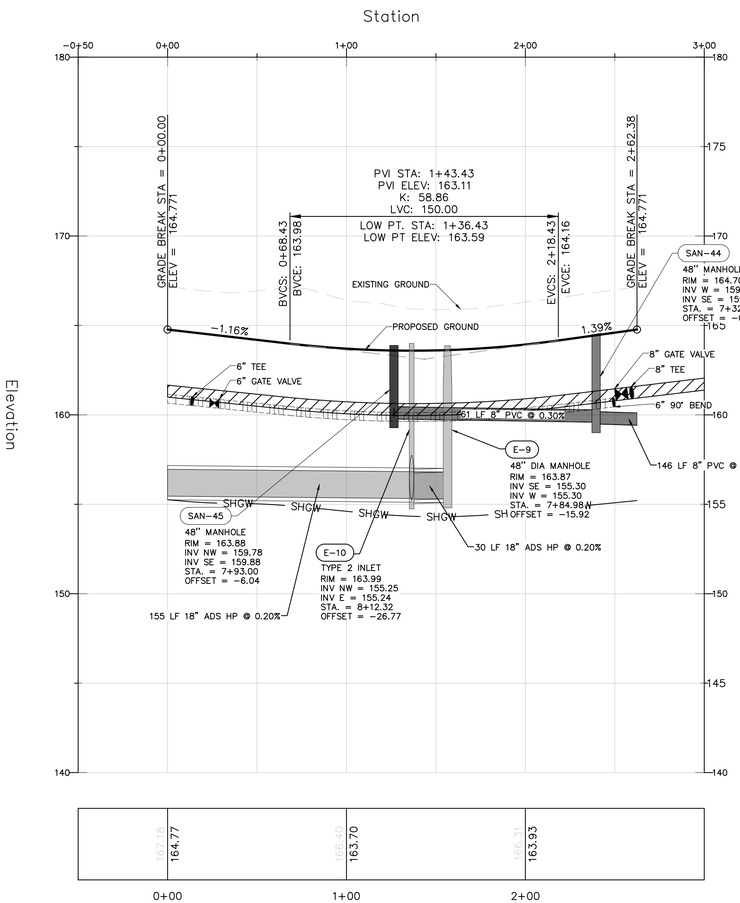


KEY MAP





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(c) AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE, ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

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REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 01/14/2026	DSS
2	04/30/2026	SJRWMD COMMENTS DATED 03/30/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/01/2026	SKS

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MAITLAND, FLORIDA 32751
(407) 558-2228

PLAN & PROFILE - STREET E - STA 4+00 TO 8+16
CONSTRUCTION SITE PLAN

OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

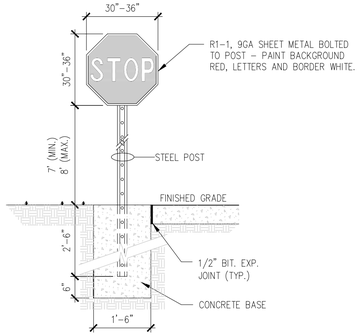
DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/8/2026

SCALE: 1" = 40'
PROJECT: PUL-037
SHEET: C8.23

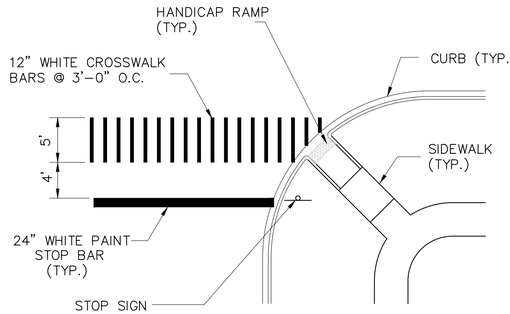
LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

This item has been digitally signed and sealed by Luke A. Classon, PE on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

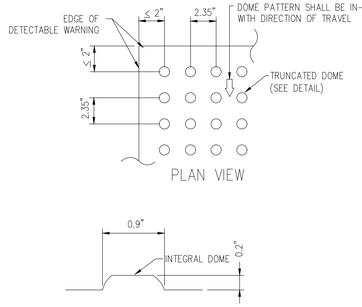
P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\PLAN & PROFILE - STREET E.dwg Modified:4/22/2026 By:asanchez Plotted By:andrew.francis



1 STOP SIGN
N.T.S.



2 INTERSECTION CROSSWALK/ STOP BAR DETAIL
N.T.S.



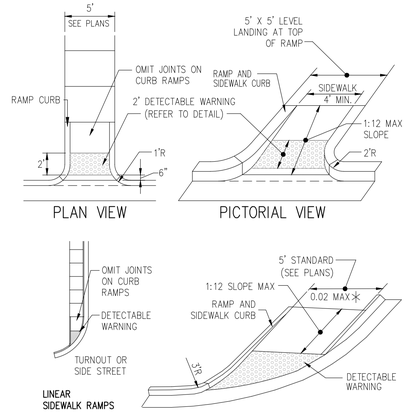
3 DETECTABLE WARNING
N.T.S.

NOTE:

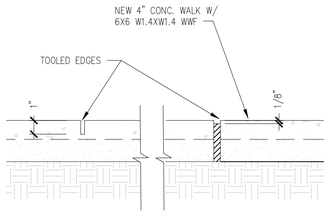
1. CURB RAMP RUNNING SLOPES SHALL NOT BE STEEPER THAN 1:12 AND CROSS SLOPE SHALL BE 0.02 OR FLATTER.
2. DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED BY TEXTURING OR APPLYING A TRUNCATED DOME MATERIAL IN CONFORMANCE WITH THE U.S. DEPARTMENT OF JUSTICE A.D.A. STANDARDS FOR ACCESSIBLE DESIGN, A.D.A. ACCESSIBILITY GUIDELINES, SECTION 4.29.2. TRANSITION SLOPES ARE NOT TO HAVE DETECTABLE WARNINGS.
3. WHERE A CURB RAMP IS CONSTRUCTED WITHIN AN EXISTING CURB, CURB AND GUTTER AND/OR SIDEWALK, THE EXISTING CURB OR CURB AND GUTTER SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE CURB TRANSITIONS OR TO THE EXTENT THAT NO REMAINING SECTION OF CURB OR CURB AND GUTTER IS LESS THAN 5' LONG. THE EXISTING SIDEWALK SHALL BE REMOVED TO THE NEAREST JOINT BEYOND THE TRANSITION SLOPE WALK AROUND OR TO THE EXTENT THAT NO REMAINING SECTION OF SIDEWALK IS LESS THAN 5'.
4. WHERE ADJACENT WALKING SURFACES ARE COLORED OR ARE CONSTRUCTED WITH MATERIALS OTHER THAN STANDARD CLASS I PORTLAND CEMENT CONCRETE IN ACCORDANCE WITH SECTION 522 OF THE SPECIFICATIONS, THE PLAN MUST PROVIDE FOR DETECTABLE WARNING SURFACE COLORS OR MATERIALS THAT PROVIDE THE NECESSARY CONTRAST, EITHER DARK-ON-LIGHT OR LIGHT-ON-DARK. (SAFETY YELLOW OR BRICK RED)
5. RECOMMENDED MANUFACTURER: ENGINEERED PLASTICS, INC. (ARMOR TILE) OLYMPIC TOWERS, 300 PEARL STREET, SUITE 200, BUFFALO, NY 14202. PHONE: (800) 682-2525

NOTE 1:
REFERENCE FDOT INDEX 304, PAGE 1, GENERAL AND DESIGN NOTES FOR RAMPS IN R.O.W.

NOTE 2:
CONSTRUCT RAMP TO LEAST POSSIBLE SLOPE (MAX = 1:12). CROSS SLOPE OF RAMP AND LANDING SHALL NOT EXCEED 1:50.



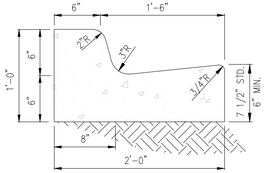
4 HANDICAP END RAMP
3000 PSI (MIN.) CONCRETE N.T.S.



NOTE:
EXPANSION JOINTS SHALL BE LOCATED AT ALL CONCRETE WALK INTERSECTIONS, AT ALL DOOR OPENINGS AND AT 12' O.C. MAXIMUM.

EXPANSION JOINT (1/4" PREMOLDED ASPHALT STRIP) SHALL BE SET 1/8" BELOW TOP OF WALK. SCORE MARK (1" DEPTH) SHALL BE 4' (MAX.) O.C.

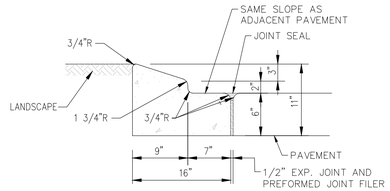
5 CONCRETE WALK
N.T.S.



PLAN SYMBOL

NOTE:
WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT AND THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.

6 TYPE "F" CURB AND GUTTER
N.T.S.

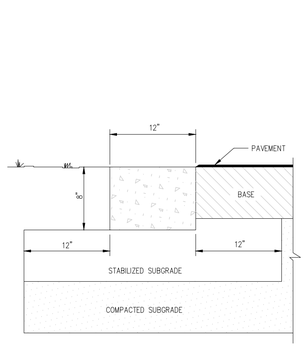


PLAN SYMBOL

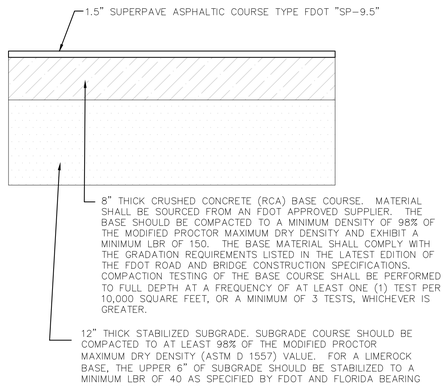
NOTES

1. CONSTRUCTION JOINTS SHALL BE PLACED AT EQUAL SPACES (10' MAX.) BETWEEN NORMAL EXPANSION JOINTS. CONSTRUCTION JOINTS SHALL BE SAW CUT WITHIN 24 HRS. OF PLACEMENT.
2. FOR CURB & GUTTER CONSTRUCTED ADJCENT TO CONCRETE PAVEMENT, 1/2" EXPANSION JOINT MATERIALS SHALL BE PLACED BETWEEN THE EDGE OF GUTTER AND EDGE OF PAVEMENT.

7 TYPE 'A' CURB
(3,500 PSI (MIN.)) N.T.S.

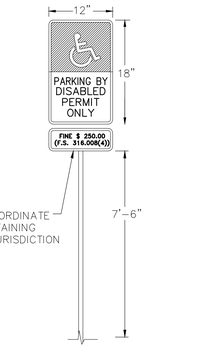


8 RIBBON CURB
3500 PSI (MIN.) N.T.S.



NOTE: LIMEROCK BASE COURSE PER THE SPECIFICATIONS ON THE GEOTECHNICAL REPORT BY UES DATED SEPTEMBER 9, 2025, IS AN ACCEPTABLE ALTERNATIVE.

9 TYPICAL PAVEMENT SECTION
N.T.S.

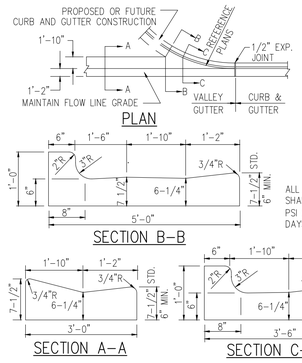


CONTRACTOR SHALL COORDINATE SIGN INFORMATION PERTAINING TO FINES PER LOCAL JURISDICTION

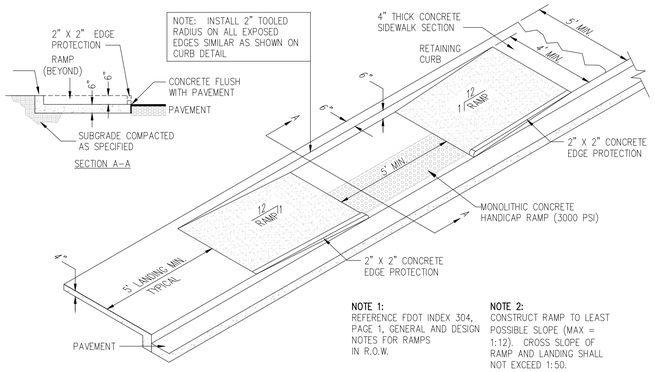
NOTES:

1. ALL LETTERS ARE 1" SERIES "C", PER MUTCD.
2. TOP PORTION OF SIGN SHALL HAVE REFLECTORIZED (ENGINEERING GRADE) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.
3. BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
4. ONE (1) SIGN IS REQUIRED FOR EACH PARKING SPACE.
5. HEIGHT OF SIGN SHALL 7'–6" FROM FINISHED GROUND TO BOTTOM OF SIGN.

10 HANDICAP SIGN
N.T.S.



11 VALLEY GUTTER N.T.S.
(REFER TO F.D.O.T. INDEX 300)



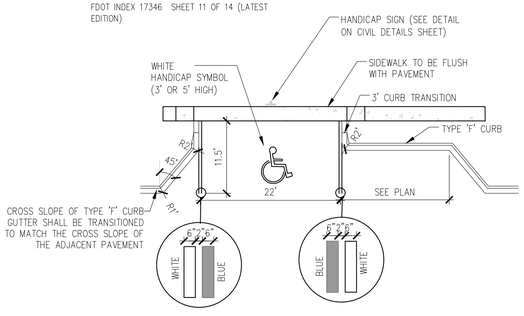
NOTE 1:
REFERENCE FDOT INDEX 304, PAGE 1, GENERAL AND DESIGN NOTES FOR RAMPS IN R.O.W.

NOTE 2:
CONSTRUCT RAMP TO LEAST POSSIBLE SLOPE (MAX = 1:12). CROSS SLOPE OF RAMP AND LANDING SHALL NOT EXCEED 1:50.

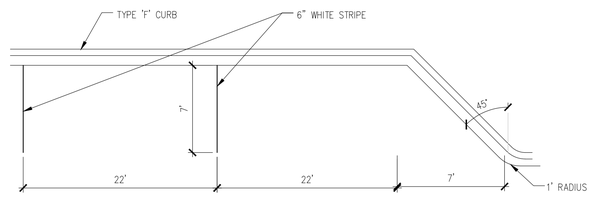
12 SIDEWALK HANDICAP RAMP
3000 PSI (MIN.) CONCRETE N.T.S.

NOTE: FINISHED GRADES OF PAVEMENT IN HC PARKING AND ACCESSIBILITY AISLE SHALL NOT EXCEED 1:50 SLOPE IN ANY DIRECTION. SEE PLAN FOR STYLE OF HANDICAP RAMP

HANDICAP STRIPING SHALL CONFORM TO FDOT INDEX 17346 SHEET 11 OF 14 (LATEST EDITION)



13 HANDICAP PARALLEL PARKING STRIPING
* ALL STRIPING TO BE THERMOPLASTIC N.T.S.



14 STANDARD PARALLEL PARKING STRIPING
* ALL STRIPING TO BE THERMOPLASTIC N.T.S.

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REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 01/14/2026	DSS
2	04/03/2026	SJRWMD COMMENTS DATED 03/31/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/01/2026	SKS

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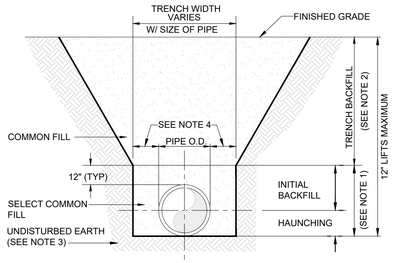
MAITLAND, FLORIDA 32751
(407) 558-2228
BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

CIVIL DETAILS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

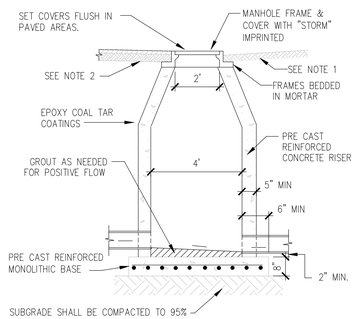
DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/7/2026
SCALE: N.T.S.
PROJECT: PUL-037
SHEET: C9.0

P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\CIVIL DETAILS.dwg Modified:4/7/2026 By:asanchez Plotted By:andrew francis



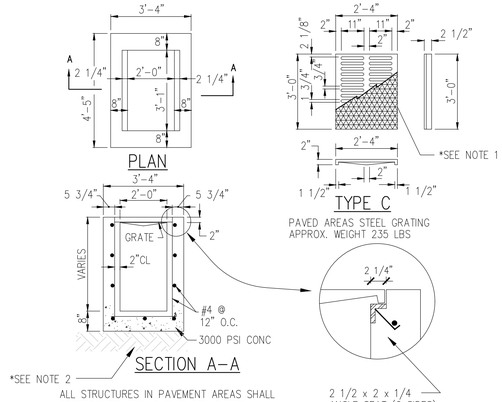
NOTES:
1. INITIAL BACKFILL AND HAUNCHING: SELECT COMMON FILL COMPACTED TO 95% (98% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% (98% UNDER PAVEMENT) OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
3. PIPE BEDDING SHALL BE COMPACTED TO 95% (MIN) OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY. BEDDING ROCK CAN BE USED FOR BEDDING IF SUBGRADE SOILS ARE TOO WET TO COMPACT, OR AS DIRECTED BY THE ENGINEER.
4. 15" MAX. (12" MIN.) FOR PIPE DIAMETER LESS THAN 24" AND 24" MAX (12" MIN) FOR PIPE DIAMETER 24" AND LARGER.
5. WATER SHALL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION.
6. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE FLOW.
7. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF GOVERNING AGENCIES.

1 TRENCH DETAIL
N.T.S.



NOTE:
1. IN UNPAVED AREAS TOP OF FRAME SHALL BE 2" ABOVE FINISHED GRADE
2. ALL INPAVEMENT STRUCTURES MUST CONFORM TO H20 LOADING STANDARDS
3. 12 INCHES OF STONE BEDDING (FDOT #57 STONE, NON-CALCAREOUS) CAN BE USED FOR BEDDING IF SUBGRADE SOILS ARE TOO WET TO COMPACT.

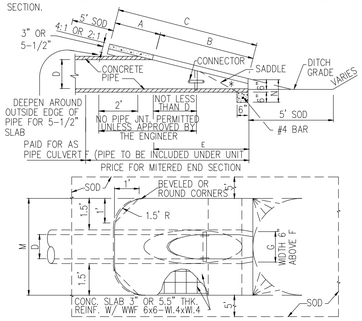
2 MANHOLE
N.T.S.



*NOTES:
1. FOR ALL USES, USE STEEL GRATE.
2. SUBGRADE SHALL BE COMPACTED TO 95% (98% UNDER PAVEMENT) OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY.

3 TYPE "C" INLET
N.T.S.

STORM SEWER PIPE LENGTHS NOTED IN THE DRAWINGS REFLECT ONLY THE PIPE ITSELF. WHERE A MITERED END SECTION IS INSTALLED ON SAID PIPE, ITS ADDITIONAL PIPE LENGTH SHALL BE INCLUDED IN THE COST OF THE MITERED END SECTION.



DIMENSIONS AND QUANTITIES											
								M			
	D	A	B	C	E	F	G	SINGLE PIPE	DOUBLE PIPE	TRIPLE PIPE	QUAD. PIPE
2:1 SLOPE	15"	1.92'	2.18'	4.10'	2.06'	5'	1.22'	4.63'	7.21'	9.79'	12.37'
	18"	1.97'	2.74'	4.71'	2.56'	6'	1.41'	4.92'	7.75'	10.58'	13.42'
	24"	2.06'	3.85'	5.91'	3.56'	7'	1.73'	5.50'	8.92'	12.33'	15.75'
	30"	2.15'	4.95'	7.10'	4.56'	8'	2.00'	6.08'	10.33'	14.58'	18.83'
	36"	2.25'	6.08'	8.33'	5.56'	9'	2.24'	6.67'	11.75'	16.83'	21.92'
	42"	2.34'	7.21'	9.55'	6.56'	10'	2.45'	7.25'	13.25'	19.25'	25.25'
	48"	2.43'	8.33'	10.76'	7.56'	11'	2.65'	7.83'	14.58'	21.33'	28.08'
	54"	2.52'	9.44'	11.96'	8.56'	12'	2.83'	8.42'	16.08'	23.75'	31.42'
	60"	2.62'	10.56'	13.18'	9.56'	14'	3.00'	9.00'	17.50'	26.00'	34.50'
	66"	2.71'	11.68'	14.39'	10.56'	15'	3.18'	9.58'	18.75'	27.92'	37.08'
	72"	2.80'	12.80'	15.60'	11.56'	16'	3.30'	10.16'	20.16'	30.16'	40.16'
4:1 SLOPE	15"	2.27'	4.09'	6.36'	4.03'	8'	1.22'	4.63'	7.21'	9.79'	12.37'
	18"	2.36'	5.12'	7.48'	5.03'	9'	1.41'	4.92'	7.75'	10.58'	13.42'
	24"	2.53'	7.18'	9.71'	7.03'	11'	1.73'	5.50'	8.92'	12.33'	15.75'
	30"	2.70'	9.25'	11.95'	9.03'	13'	2.00'	6.08'	10.33'	14.58'	18.83'
	36"	2.87'	11.31'	14.18'	11.03'	15'	2.24'	6.67'	11.75'	16.83'	21.92'
	42"	3.05'	13.37'	16.42'	13.03'	17'	2.45'	7.25'	13.25'	19.25'	25.25'
	48"	3.22'	15.43'	18.65'	15.03'	19'	2.65'	7.83'	14.58'	21.33'	28.08'
	54"	3.39'	17.49'	20.88'	17.03'	21'	2.83'	8.42'	16.08'	23.75'	31.42'
	60"	3.56'	19.55'	23.11'	19.03'	23'	3.00'	9.00'	17.50'	26.00'	34.50'
	66"	3.73'	21.62'	25.35'	21.03'	25'	3.18'	9.58'	18.75'	27.92'	37.08'
	72"	3.91'	22.68'	26.59'	23.03'	27'	3.30'	10.16'	20.16'	30.16'	40.16'

* SLOPE- 4:1 MITER - TO C PIPE FOR PIPES 18" AND SMALLER
2:1 FOR PIPES 24" AND LARGER
2:1 MITER - TO C PIPE FOR PIPES 18" AND SMALLER
1:1 FOR PIPES 24" AND LARGER

4 MITERED END SECTION (RCP)
FDOT STD. INDEX 430-021 N.T.S.

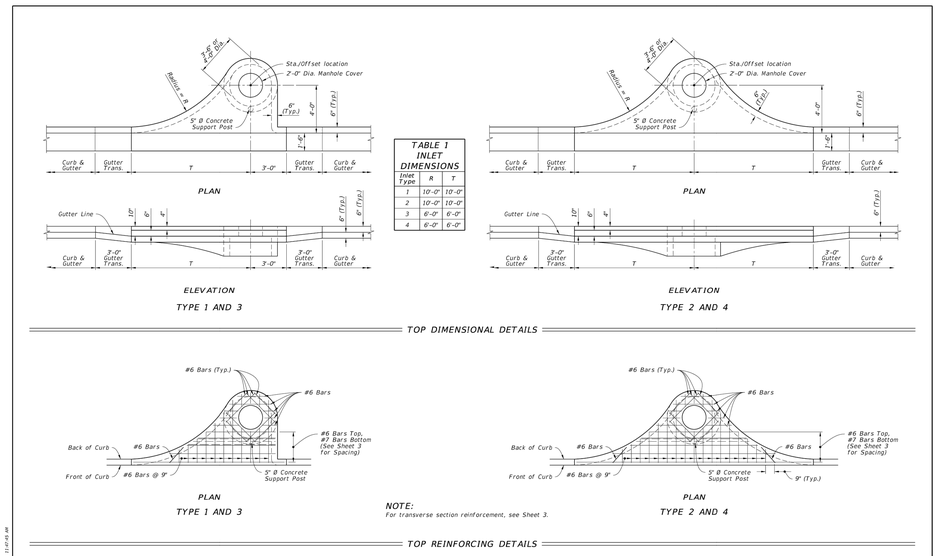


TABLE 1 INLET DIMENSIONS

Inlet Type	R	T
1	10'-0"	10'-0"
2	10'-0"	10'-0"
3	6'-0"	6'-0"
4	6'-0"	6'-0"

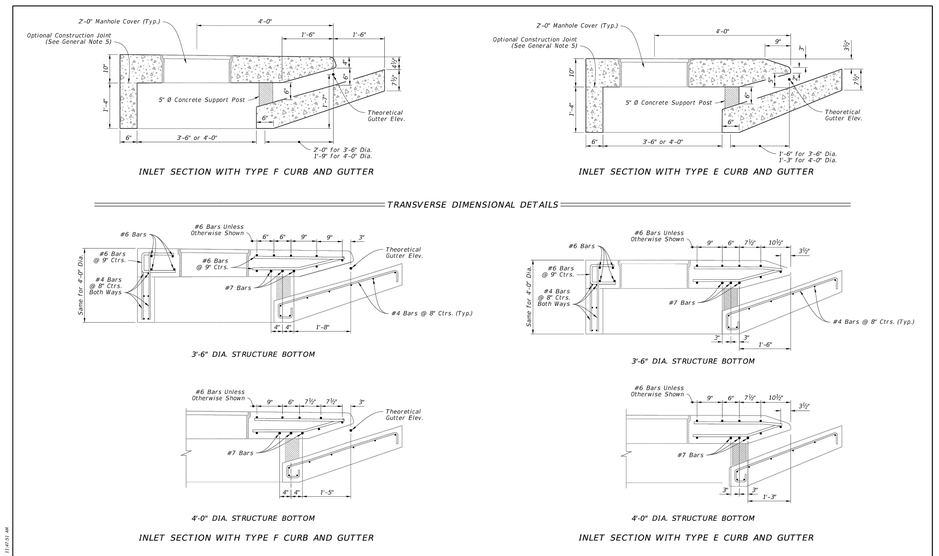
TOP DIMENSIONAL DETAILS

NOTE:
For transverse section reinforcement, see Sheet 3.

TOP REINFORCING DETAILS

TOP DIMENSIONAL AND TOP REINFORCING DETAILS

LAST REVISION	DESCRIPTION:	FDOT			
11/01/20		FY 2026-27 STANDARD PLANS	CURB INLET TOP TYPES 1, 2, 3, AND 4	INDEX 425-020	SHEET 2 of 3



TRANSVERSE DIMENSIONAL DETAILS

TRANSVERSE REINFORCING DETAILS

TRANSVERSE DIMENSIONAL AND REINFORCING DETAILS

LAST REVISION	DESCRIPTION:	FDOT			
11/01/20		FY 2026-27 STANDARD PLANS	CURB INLET TOP TYPES 1, 2, 3, AND 4	INDEX 425-020	SHEET 3 of 3

5 TYPE 1, 2, 3, AND 4 INLETS
N.T.S.

REV.	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 01/14/2026	DSS
2	04/03/2026	SJRWMD COMMENTS DATED 03/04/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

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2400 MAITLAND CENTER PKWY, SUITE 107
MAITLAND, FLORIDA 32751
(407) 558-2228
BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

DRAINAGE DETAILS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/21/2026

SCALE: N.T.S.
PROJECT: PUL-037
SHEET: C10.0

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\DRAINAGE DETAILS.dwg Modified: 4/21/2026 By: osanchez Plotted By: andrew francis

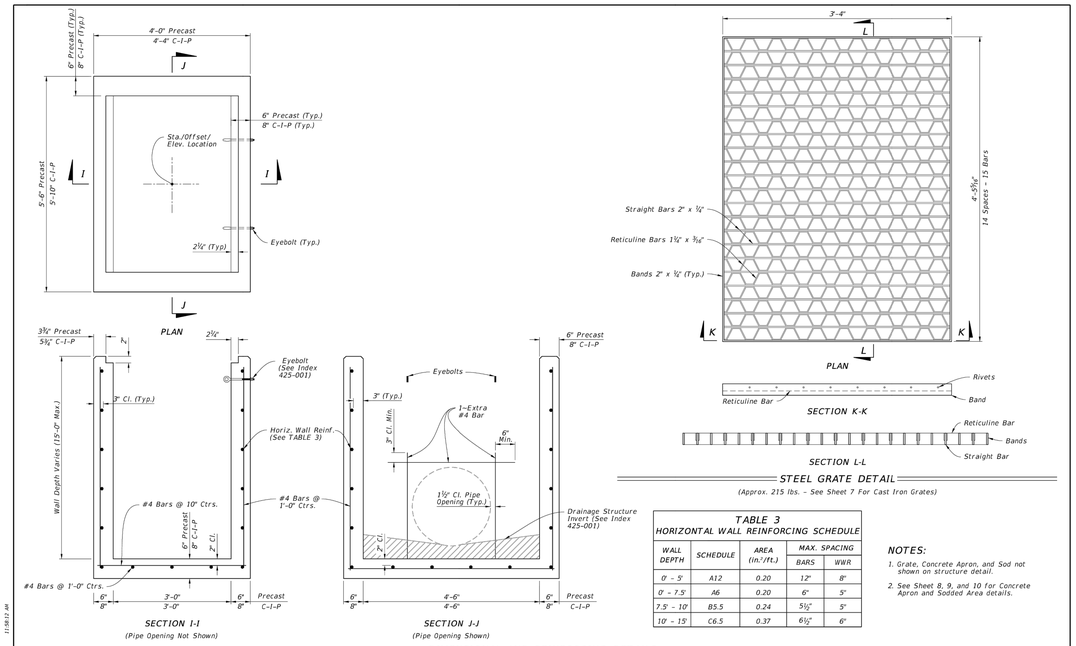

TABLE 3 HORIZONTAL WALL REINFORCING SCHEDULE				
WALL DEPTH	SCHEDULE	AREA (in.²/ft.)	MAX. SPACING	
			BARS	WWR
0' - 5'	A12	0.20	12"	8"
0' - 7.5'	A6	0.20	6"	5"
7.5' - 10'	B5.5	0.24	5½"	5"
10' - 15'	C6.5	0.37	6½"	6"

NOTES:
1. Grate, Concrete Apron, and Sod not shown on structure detail.
2. See Sheet 8, 9, and 10 for Concrete Apron and Sodded Area details.

DIMENSIONAL AND REINFORCING DETAILS

TYPE E - DIMENSIONAL, REINFORCING, AND STEEL GRATE DETAILS

LAST REVISION 11/01/20	REVISION	DESCRIPTION:	FDOT FY 2026-27 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E, AND H	INDEX 425-052	SHEET 4 of 14

6 TYPE E INLET
N.T.S.

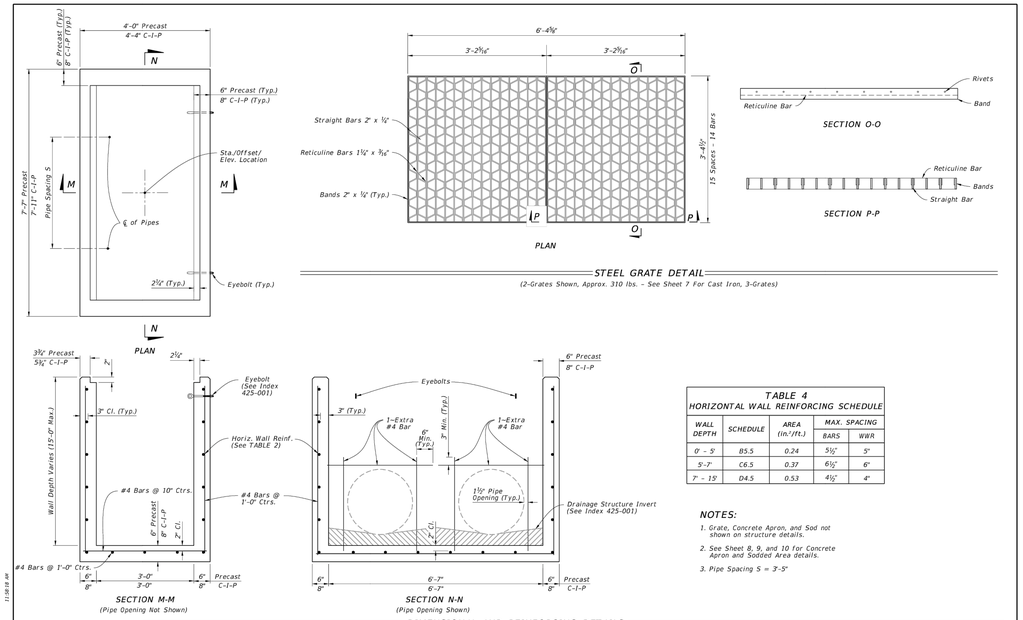

TABLE 4 HORIZONTAL WALL REINFORCING SCHEDULE				
WALL DEPTH	SCHEDULE	AREA (in.²/ft.)	MAX. SPACING	
			BARS	WWR
0' - 5'	B5.5	0.24	5½"	5"
5'-7'	C6.5	0.37	6½"	6"
7' - 15'	D4.5	0.53	4½"	4"

NOTES:
1. Grate, Concrete Apron, and Sod not shown on structure details.
2. See Sheet 8, 9, and 10 for Concrete Apron and Sodded Area details.
3. Pipe Spacing S = 3'-5"

DIMENSIONAL AND REINFORCING DETAILS

TYPE H (2 & 3 GRATE) - DIMENSIONAL, REINFORCING, AND STEEL GRATE DETAILS

LAST REVISION 11/01/20	REVISION	DESCRIPTION:	FDOT FY 2026-27 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E, AND H	INDEX 425-052	SHEET 5 of 14

7 TYPE H INLET
N.T.S.

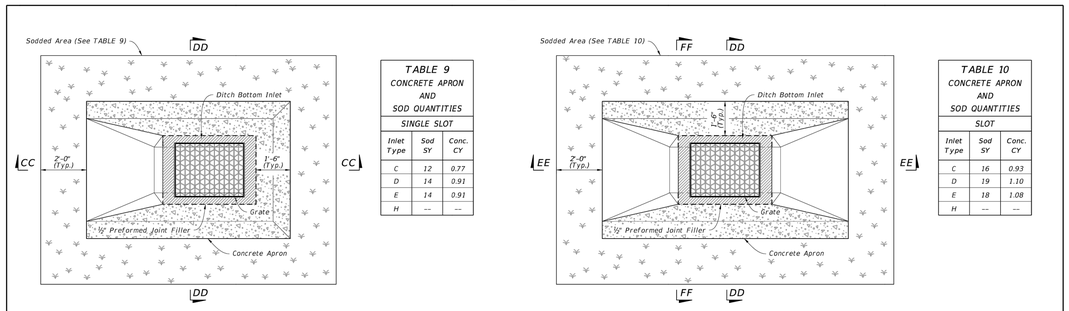

TABLE 9 CONCRETE APRON AND SOD QUANTITIES		
SINGLE SLOT		
Inlet Type	Sod SY	Conc. CY
C	12	0.77
D	14	0.91
E	14	0.91
H	--	--

TABLE 10 CONCRETE APRON AND SOD QUANTITIES		
SLOT		
Inlet Type	Sod SY	Conc. CY
C	16	0.93
D	19	1.10
E	18	1.08
H	--	--

TRAVERSABLE INLET WITH SLOT DETAILS

LAST REVISION 11/01/20	REVISION	DESCRIPTION:	FDOT FY 2026-27 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E, AND H	INDEX 425-052	SHEET 10 of 14

8 CONCRETE APRON FOR BUBBLE UP STRUCTURES
N.T.S.

9 NOT USED

10 NOT USED

REV.	DATE	DESCRIPTION	BY
7	05/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
6	04/30/2026	S.JURADO COMMENTS DATED 04/07/2026	DSS
5	03/02/2026	S.JURADO COMMENTS DATED 02/20/2026	SKS

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DRAINAGE DETAILS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/21/2026

SCALE: N.T.S.
PROJECT: PUL-037
SHEET: C10.1

LAKE CLASSON LICENSED PROFESSIONAL ENGINEER No 77066 STATE OF FLORIDA 5/12/26

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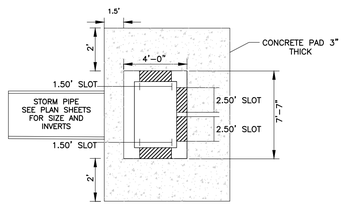

11 MODIFIED TYPE–H INLET BU–4
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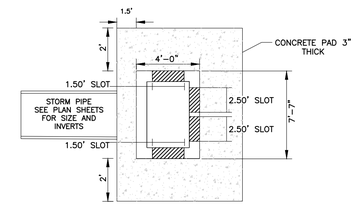

12 MODIFIED TYPE–H INLET BU–5.1
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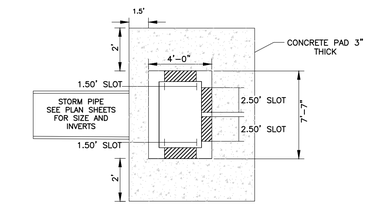

13 MODIFIED TYPE–H INLET BU–5.2
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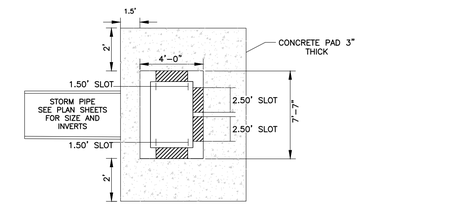

14 MODIFIED TYPE–H INLET BU–6
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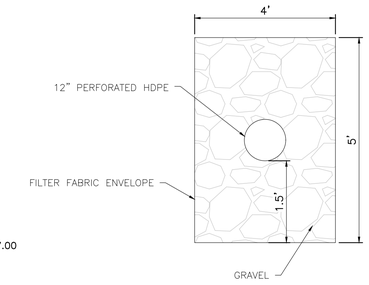
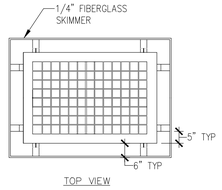
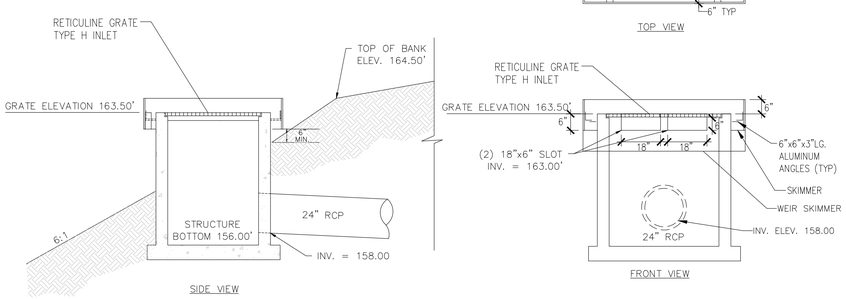


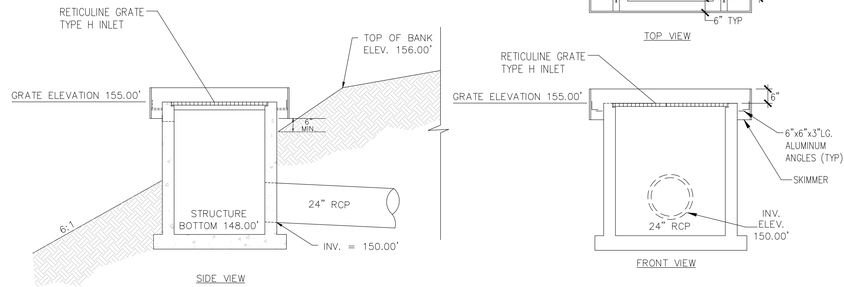
NOTES:
1. GRAVEL SHALL BE GRADES 56 OR 57 AND SHALL MEET THE REQUIREMENTS OF FDOT SECTIONS 01–2 OR 901–3.
2. FILTER FABRIC SHALL BE TYPE D–3 (SEE FDOT INDEX NO. 199).
3. EXFLITRATION PIPE SHALL BE 12" DIAMETER TUBING MEETING AASHTO M252 AND ASTM F405.62A WITH POLYESTER KNITTED FILTER SOCK MEETING ASTM D3887 AND ASTM D1682.

15 EXILTRATION PIPE
N.T.S.





16 DS–2 CONTROL STRUCTURE
N.T.S.



17 DS–4 CONTROL STRUCTURE
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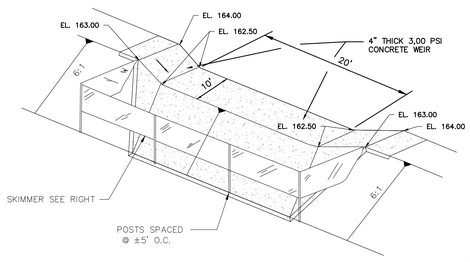
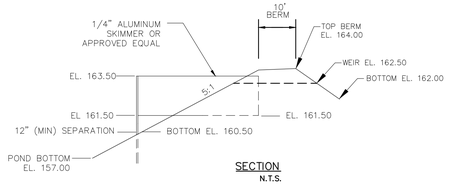
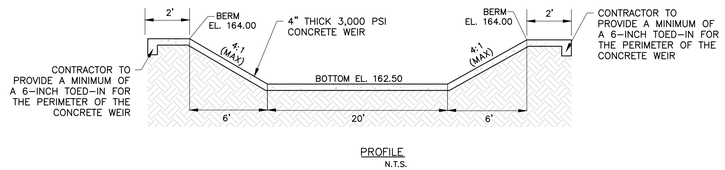


WEIR & SKIMMER
N.T.S.

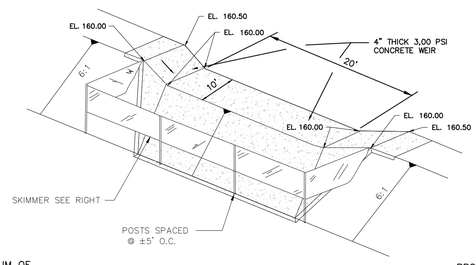


SECTION
N.T.S.



PROFILE
N.T.S.

18 SKIMMER FOR CONCRETE WEIR FOR POND 1
N.T.S.



WEIR & SKIMMER
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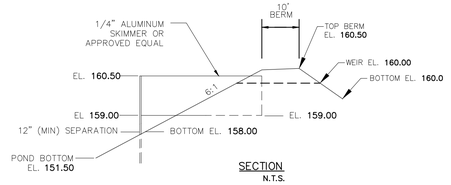

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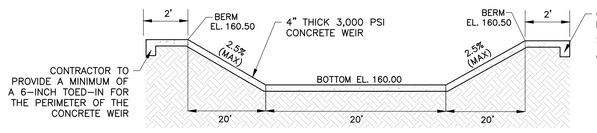

PROFILE
N.T.S.

19 SKIMMER FOR CONCRETE WEIR FOR POND 3
N.T.S.

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BY	REV.	DATE	DESCRIPTION
SSS	1	02/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026
SSS	2	04/30/2026	SJRWMD COMMENTS DATED 05/07/2026
SSS	3	05/05/2026	SJRWMD COMMENTS DATED 05/07/2026

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DRAINAGE DETAILS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/21/2026
SCALE: N.T.S.
PROJECT: PUL-037
SHEET: C10.2

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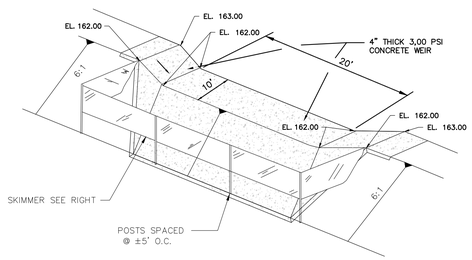
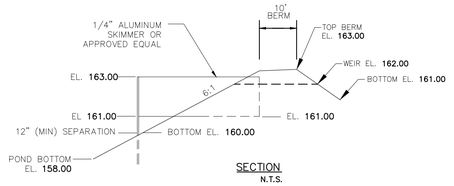


WEIR & SKIMMER
N.T.S.



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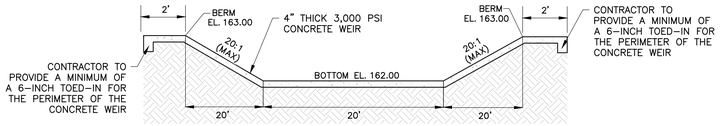

PROFILE
N.T.S.

20 SKIMMER FOR CONCRETE WEIR FOR POND 5
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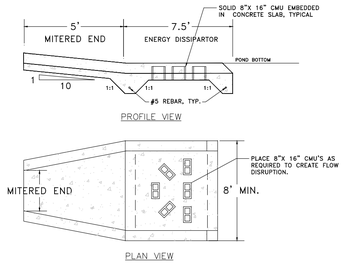

22 ENERGY DISSIPATOR DETAIL
N.T.S.

WEIR & SKIMMER
N.T.S.

SECTION
N.T.S.

PROFILE
N.T.S.

21 SKIMMER FOR CONCRETE WEIR FOR POND 6
N.T.S.

REV	DATE	DESCRIPTION	BY
1	05/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	DSS
2	04/30/2026	SJRWMD COMMENTS DATED 04/30/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SCS

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SHEET: C10.3

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GENERAL NOTES

1. Governing standards and specifications on this project are considered the Florida Department of Transportation (FDOT) Design Standards (2013 Edition), FDOT Standard Specifications for Road and Bridge Construction (2013 Edition), and City of Apopka Utilities Design and Construction Standards Manual (2014 Edition).
2. All personal property, except mail boxes located within the public right-of-way (not relocated by the property owner), shall be removed by the Contractor as necessary to construct the project in accordance with the Construction Plans. Mail boxes shall be relocated by the Contractor in accordance with FDOT Index No. 532.
3. The disposal of excess earthwork materials shall be the responsibility of the Contractor. Approval of disposal sites shall be obtained from the City of Apopka prior to disposal.
4. All existing trees and stumps within the right-of-way and limit of the project are to be removed as clearing and grubbing unless otherwise directed.
5. Seed and mulch all disturbed areas not covered by sod unless otherwise directed.
6. All pavement offsets shown are to the proposed centerline of construction, as where radius dimensions are to the edge of pavement, unless otherwise noted.
7. Turnout locations and widths shown in the Construction Plans are approximate and may be adjusted as necessary or as directed by the Engineer. All turnouts shall be constructed in accordance with FDOT Index No. 515.
8. The various permits included in the bid specifications payment are included in the bid price for Section 104. The Contractor shall perform his work in accordance with the requirements of _____ Control, and Abatement of Erosion and Water _____ excluding items specified elsewhere. Environmental controls shall be used at locations designated in the plans and/or designated by the Engineer.
9. The information shown on these drawings concerning type and location of underground and other utilities are based on available records and surveys, but is not guaranteed to be accurate or all inclusive. The Contractor shall make his own determination as to the type and location of utilities as may be necessary to avoid damage there to, and is responsible for coordinating utility relocation.
10. Prior to ordering drainage structures, the Contractor shall determine if drainage utility conflicts exist. Information about possible conflicts shall be submitted to the Engineer as soon as possible after discovery of such for resolution.
11. The Contractor shall notify all gas utility companies a minimum of two working days prior to excavation as required by Chapter 77-153 of the Florida Statutes.
12. All inlet/manhole - pipe joints shall be filled with non-shrink grout, covered with an asphaltic mastic coating, and wrapped with a filter fabric material per Section 13.03.03 of the Orange County Road Construction Specifications.
13. All curb inlets, ditch bottom inlets, and manholes shall have traffic bearing frames and covers or grates meeting AASHTO-20 loading requirements.
14. Changes of pipe inverts not exceeding plus or minus one foot will not be considered as a basis for additional compensation for the pertinent pipe bid item or for modification of precast structures.
15. All benchmarks (irons and monuments) shown in the Construction Plans, or found, shall be preserved. Those shown in proposed pavement shall be protected with a cast iron valve box.
16. Public land corners within the limits of construction shall be protected. If a corner monument is in danger of being destroyed or disturbed, the Contractor shall notify the Engineer, without delay, by telephone. The Contractor shall provide written follow up confirmation within 48-hours of telephone notification.
17. Prior to beginning of any construction, the Contractor shall submit to the Engineer a set of field notes verifying the benchmark elevations and the reference point connections on the plan and profile view sheets, and/or a set of field notes for all additional benchmark and reference point connections proposed to be used in constructing the project with their location, description and elevation, based on North American Vertical Datum (NAVD88). All submittals shall be signed and sealed by a Professional Land Surveyor registered in the State of Florida.
18. Within 21 calendar days after notice to proceed, the Contractor shall stake the public right-of-way at 50 foot intervals and the right-of-way breaks with corresponding stations shown on the stakes. No invoice for payment for mobilization (Pay Item No. 101-1) will be processed until the right-of-way has been staked to the satisfaction of the Engineer.
19. Any United States Code (USC) and National Geodetic Survey (NGS) monuments within the limits of construction shall be protected. If in danger of damage, the Contractor shall notify the Engineer, and both shall notify:
    State Geodetic Advisor, NOAA
    3900 Commonwealth Blvd. - MS105
    Tallahassee, FL Phone (850) 245-2606
20. It shall be the responsibility of the Contractor to acquire all necessary right-of-way and maintenance of traffic permits. The City will waive all permits required for construction activities within the limits of public right-of-way owned and maintained by the City of Apopka. For construction activity within the limits of public right-of-way maintained by the City but owned by Orange County or the State of Florida, the Contractor shall acquire the required permits from the agencies. It shall be the responsibility of the Contractor to insure that all required permits are obtained and in-hand before beginning any construction.
21. The location of all existing utilities, storm drainage systems, and topographic features shown on the plans have been determined from the best available information and are provided for the convenience of the Contractor. The Engineer assumes no responsibility for their inaccuracy. Should a discrepancy arise between these plans and actual field conditions, which would appreciably affect the execution of these plans, the Contractor shall halt construction and notify the Engineer immediately.
22. The Contractor shall be responsible for notifying the City within 48 hours before any inspections. Also, the Contractor shall be responsible for meeting all inspection criteria, schedules and signing said inspections.
23. The Contractor shall not excavate, remove or otherwise disturb any material, structure or part of a structure which is located outside the lines, grades or grading section, established for this project, except where such excavations or removal is provided or in the Contract Construction Plans or Technical Specifications.
24. All work and all materials furnished shall be in conformity with the lines, grades, grading sections, cross sections, dimensions, material requirements, and testing requirements that are specified in the Contract Construction Plans or Technical Specifications.
25. All work shall be accomplished in strict accordance with all applicable federal, state and local codes, ordinances and regulations.
26. Apparent errors, discrepancies or omissions in the Construction Plans shall be brought to the Engineer's attention before bidding.
27. After completion of construction, the Contractor shall provide to the City a completed as-built plan one week prior to the final inspection. Before the final acceptance it shall be the Contractor's responsibility to perform a site cleanup for the removal of trash, debris, excess materials, and equipment to present the project site clean and in good order.
28. No extra payments shall be allowed for any work required due to misunderstanding of job or site conditions affecting the work as described in the Technical Specifications or shown on the Construction Plans. The Contractor shall not take advantage of any apparent error or omission in the Construction Plans or Technical Specifications and the Engineer shall be permitted to make corrections and interpretation as may be deemed necessary for the fulfillment of the intent of the Contract Documents. By entering the bidding process the bidders acknowledge acceptance of these conditions.
29. The Contractor shall submit four (4) sets of detailed shop drawings of all major items proposed for this project to the Engineer prior to ordering any of the equipment or material. Two (2) copies of the shop drawings will be returned to the Contractor. Upon the Contractor's receipt of approved shop drawings from the Engineer, the Contractor may proceed with the work.
30. The Contractor shall comply with the legal load restrictions in hauling of materials in public roads beyond the limits of construction work. A special permit will not relieve the Contractor of liability for damage which may result from the moving of material and equipment.
31. During construction, no direct discharge of water to downstream receiving waters will be allowed. The Contractor is responsible for maintaining water quality and route discharge water in such a manner as to adequately remove silt prior to runoff from the site.
32. Connection to existing lines to which utility pipe of the Contract must connect, the following work shall be performed:
    A. Expose buried lines to confirm or determine end connection, pipe material and diameter.
    B. Furnishing and installing piping and making proper connections.

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. GN

PROPOSED UTILITY	HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS									
	POTABLE WATER		RECLAIMED WATER*		SANITARY SEWER FORCE MAIN		SANITARY SEWER GRAVITY MAIN		STORM SEWER	
	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.
POTABLE WATER	–	–	3'	12"	6'	12"	6'	6"ABOVE 12"BELOW	3'	6"
RECLAIMED* WATER	3'	12"	–	–	3'	12"	3'	12"	–	–
SANITARY SEWER FORCE MAIN	6'	12"	3'	12"	–	–	–	–	–	–
SANITARY SEWER GRAVITY MAIN	6'	6"ABOVE 12"BELOW	3'	12"	–	–	–	–	–	–

GENERAL NOTES:

1. THE TABLE REPRESENTS THE MINIMUM SEPARATION REQUIREMENTS AS DESCRIBED IN F.D.E.P. RULES OF THE FLORIDA ADMINISTRATION CODE (F.A.C.). THESE SEPARATION REQIREMENTS SHALL APPLY BETWEEN NEWLY PROPOSED UTILITY LINES AND EXISTING OR PROPOSED UTILITY LINES.
2. * FOR THE PURPOSE OF THIS TABLE, RECLAIMED WATER SHALL MEAN UNRESTRICTED PUBLIC ACCESS REUSE WATER AS DEFINED BY F.A.C. 17-610. OTHER TYPES OF RECLAIMED WATER ARE CONSIDERED RAW SEWAGE AND SEPARATIONS LISTED FOR SANITARY SEWER SHALL APPLY.
3. ALL SEPARATION DISTANCES ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE UNLESS OTHERWISE SPECIFIED. CRITERION PRODUCING GREATER CLEARANCE SHALL BE USED.

   C/C – DENOTES CENTER OF PIPE TO CENTER OF PIPE.

   O/O – DENOTES OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
4. ACCEPTABLE VARIANCES:
   A. WHERE HORIZONTAL SEPARATION IS NOT ATTAINABLE, PVC-C-900 SDR-14 OR CONCRETE ENCASEMENT MUST BE USED FOR THE SANITARY SEWER LINE FOR AT LEAST ONE OF THE PIPES. PVC-C-900 SDR 14 OR CONCRETE ENCASEMENT MUST BE USED UNTIL MINIMUM CLEARANCE IS REGAINED.
   B. WHERE 18 INCH VERTICAL SEPARATION IS NOT ATTAINABLE AT CROSSINGS, USE ONE FULL LENGTH OF PVC-C-900 SDR-14 FOR SANITARY SEWERS OR ENCASED PIPE CENTERED AT THE POINT OF CROSSING SPECIAL SUPPORT MAY BE REQUIRED.
5. NO WATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF A SANITARY OR STORM WATER MANHOLE OR STRUCTURE.
6. CONCRETE ENCASEMENT SHALL NOT BE USED UNLESS APPROVED BY PUBLIC SERVICES DIRECTOR OR HIS DESIGNEE.

HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 104

MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S). *

	PIPE SIZE										
	6"	8"	10"	12"	16"	18"	20"	24"	30"	36"	48"
90° BEND	33	43	51	60							
45° BEND	14	18	22	25							
22-1/2° BEND	7	9	11	12							
11-1/4° BEND	4	5	6	6							
TEE**	1	7	24	44							
REDUCER (ONE SIZE SMALLER)		41	39	40							
DEAD END	74	96	115	136							

* ONLY RESTRAIN BRANCH PIPE FOR TEES. ONLY RESTRAIN LARGER PIPE FOR REDUCERS
** LENGTH ALONG RUN ASSUMED TO BE 18'

NOTES:

1. FITTINGS SHALL BE DUCTILE IRON RESTRAINED JOINT TYPE. FM FITTINGS TO BE LINED WITH PROTECTO 401.
2. INSTALL FULL LENGTHS OF PIPE WITH TOTAL LENGTH CONTAINING ONLY RESTRAINED JOINTS EQUAL TO OR GREATER THAN LENGTH SHOWN IN TABLE.
3. WHERE TWO OR MORE FITTINGS ARE TOGETHER, USE FITTING WHICH YIELDS GREATEST LENGTH OF RESTRAINED PIPE.
4. IN LINE VALVES AND THROUGH RUN OF TEES OUTSIDE LIMITS OF RESTRAINED JOINTS FROM OTHER FITTINGS NEED NOT BE RESTRAINED UNLESS OTHERWISE INDICATED.
5. LENGTHS SHOWN IN THE TABLE HAVE BEEN CALCULATED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AS PUBLISHED BY DIPRA, FOR PVC WITH THE FOLLOWING ASSUMPTIONS:

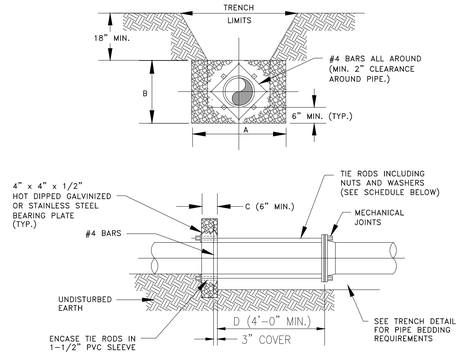
   TYPE OF PIPE:_____PVC_____
   WORKING PRESSURE:__150____P.S.I.** ** FM = 100 P.S.I. /
   SOIL DESIGNATION:_SM(SAND, SILT)_ WM OR RWM = 150 P.S.I.
   LAYING CONDITIONS:__5_____
6. FOR PIPE ENCASED IN POLYETHYLENE INCREASE THE GIVEN VALUE BY A FACTOR OF 1.5.
7. VALUES NOT LISTED IN THE TABLE TO BE COMPLETED BY THE ENGINEER.

RESTRAINED PIPE TABLE (PVC)

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 105



NOTES:

1. ADDITIONAL REINFORCEMENTS SHALL BE AS SPECIFIED BY THE ENGINEER.
2. MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE SHALL BE 2500 P.S.I.
3. BEDDING, BACKFILL, AND COMPACTION SHALL BE AS SPECIFIED ELSEWHERE IN THE STANDARD DRAWINGS.
4. ALL FORM BOARDS SHALL BE REMOVED PRIOR TO BACKFILL.
5. NO ALLOWANCE SHALL BE MADE FOR FRICTION BETWEEN THE PIPE WALL AND THE THRUST COLLAR.
6. DESIGN PRESSURE: 150 P.S.I.

SCHEDULE OF DIMENSIONS AND MATERIALS *

PIPE SIZE (INCHES)	DIMENSIONS (FT.)				TIE RODS REQ'D	
	A	B	C	D	DIA.	NO.
6	2.0	2.0	1.0		3/4	2
8	2.5	2.5	1.0		3/4	2
10	3.5	3.0	1.0		3/4	4
12	5.0	3.0	1.0		3/4	4
16	6.0	4.0	1.5		3/4	4
20	8.0	5.0	1.5		3/4	6
24	9.0	6.0	1.5		3/4	8

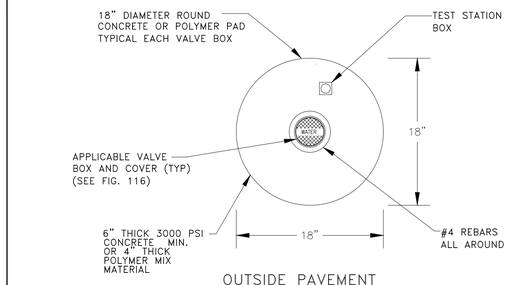
NOTE: THRUST BLOCK AREAS TO BE COMPUTED ON BASIS OF 2,000 LBS. PER SQ. FT. SOIL RESTRAINT (1,500 MIN) BEARING. SEE NOTE 5
* TO BE COMPLETED BY ENGINEER.

WATER MAIN THRUST COLLAR DETAIL

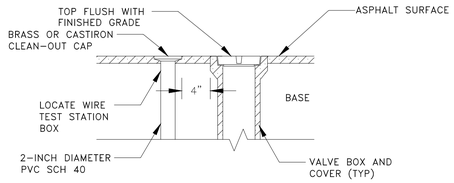
CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 107



OUTSIDE PAVEMENT



INSIDE PAVEMENT

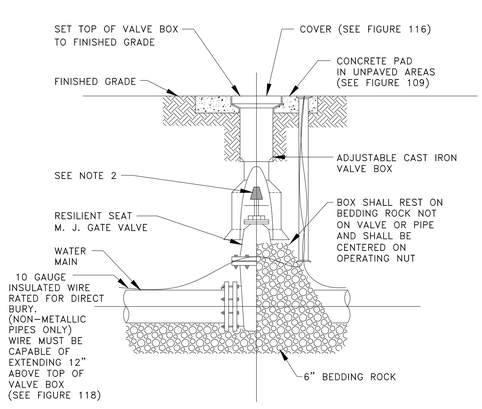
VALVE IDENTIFICATION TAG
TO BE INSTALLED BY CITY
& PAID FOR BY DEVELOPER

VALVE BOX

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 109



NOTES:

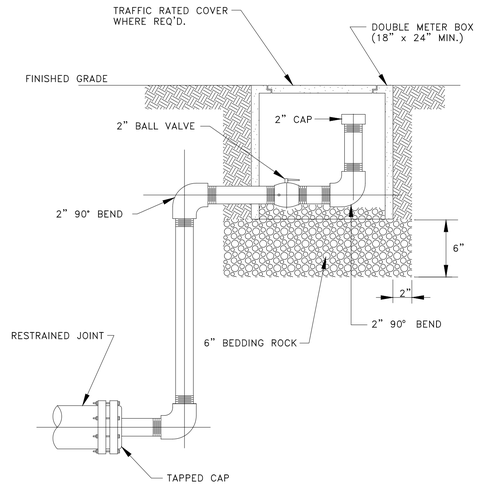
1. PVC EXTENSIONS MAY BE USED ON VALVE BOX INSTALLATION.
2. THE ACTUATING NUT FOR DEEPER VALVES SHALL BE EXTENDED TO WITHIN A 3 FEET BELOW FINISHED GRADE.

GATE VALVE AND BOX DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 400



NOTES:

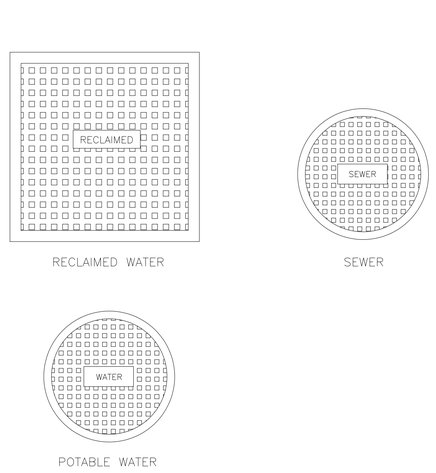
1. ALL 2 INCH PIPE AND FITTINGS SHALL BE SCHEDULE 40 GALVANIZED STEEL OR BRASS WITH THREADED (NPT) JOINTS. USE TEFLON TAPE ON JOINTS.
2. COLOR SHALL BE APPROPRIATE FOR USE.

BLOWOFF VALVE DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 403



TYPICAL VALVE BOX COVER DETAILS

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 116

NO	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 01/14/2026	DSS
2	04/30/2026	SJR/MD COMMENTS DATED 04/20/2026	DSS
3	05/07/2026	SJR/MD COMMENTS DATED 05/01/2026	SCS

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BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

UTILITY DETAILS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/18/2026

SCALE: N.T.S.
PROJECT: PUL-037
SHEET: C11.0

LUKE CLASSON LICENSE No 77066 STATE OF 5/12/26 FLORIDA PROFESSIONAL ENGINEER

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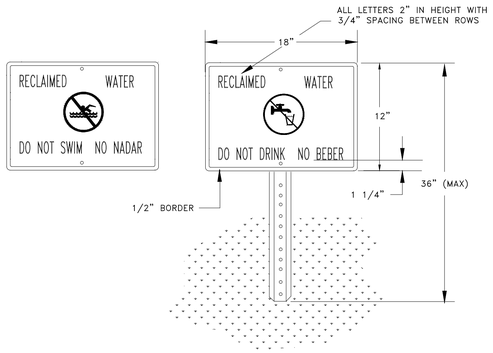
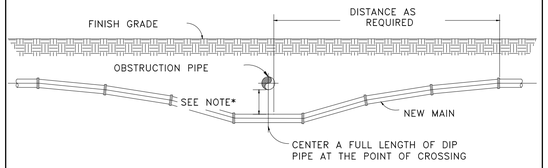


NOTES:

1. HEIGHT OF SIGN WILL DEPEND ON LOCATION AND SURROUNDING LANDSCAPE PLANT TYPES. IN ALL CASES, THE SIGN SHALL BE VISIBLE TO THE PUBLIC.
2. BACKGROUND SHALL BE WHITE, LETTERS AND FIGURES SHALL BE BLACK. PROHIBITIVE SYMBOL SHALL BE RED.
3. ENGINEERING GRADE REFLECTIVE MATERIALS SHALL BE USED.
4. POST SHALL BE U CHANNEL 12 FT. 2 LB. HOT ROLLED HIGH TENSILE RAIL OR BILLET STEEL, HOT DIP GALVANIZED PER ASTM A-123.
5. MOUNTING HARDWARE SHALL BE STAINLESS STEEL.
6. SIGNS SHALL BE PLACED BY THE CONTRACTOR IN ACCORDANCE WITH THE CITY APPROVED ENGINEERING PLANS AND/OR AS APPROVED BY PUBLIC SERVICES DEPARTMENT.

RECLAIMED WATER ADVISORY SIGN

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 115



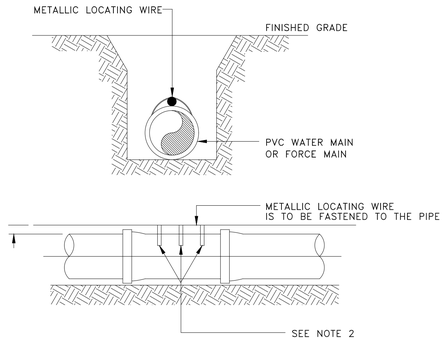
NOTES:

1. 18" MINIMUM CLEARANCE FOR WATER, SEWER AND RECLAIMED WATER MAIN CROSSINGS
2. 12" MINIMUM CLEARANCE REQUIRED FOR OTHER TYPE UTILITY CROSSINGS.
3. SEE ENCASEMENT DETAIL IF MINIMUM CLEARANCE CANNOT BE OBTAINED.

* CONSTRUCT UNIFORM PIPE DEFLECTION NOT TO EXCEED 75% OF MANUFACTURER RECOMMENDED MAXIMUM DEFLECTION PER PIPE JOINT

UTILITY CROSSING PIPE DEFLECTION DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 117

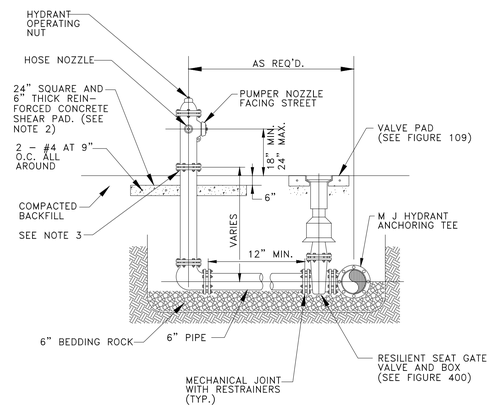


NOTES:

1. PVC PIPE SHALL REQUIRE INSULATED METALLIC LOCATING WIRE (10 AWG-SOLID CCS REINFORCED TRACER WIRE-INSULATED 30 MIL HDPE - 30 VOLT MFG. BY COPPERHEAD INDUSTRIES, LLC OR EQUAL) CAPABLE OF DETECTION BY A CABLE LOCATOR.
2. SHALL BE BURIED DIRECTLY ABOVE THE CENTERLINE OF THE PIPE AND ATTACHED WITH DUCT TAPE OR NYLON STRAPS AT 3 LOCATIONS PER JOINT. LOCATING WIRE SHALL TERMINATE AT THE TEST STATION BOX AS SHOWN IN FIG. 109.
3. BE CAPABLE OF EXTENDING 12" ABOVE TOP OF TEST STATION BOX IN SUCH A MANNER SO AS NOT TO INTERFERE WITH VALVE OPERATION.
4. SPLICES SHOULD BE MADE USING STANDARDS AND PRODUCTS DESIGNED FOR DIRECT BURIAL CONDUCTORS.
5. WIRE INSULATION SHALL BE COLOR CODED FOR THE TYPE OF PIPE BEING INSTALLED.

PVC PIPE LOCATING WIRE DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 118

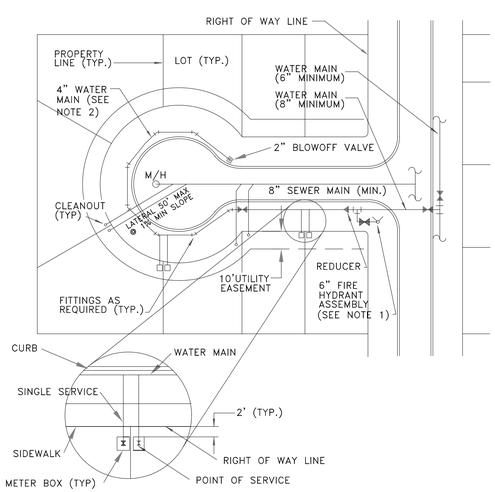


NOTES:

1. FIRE HYDRANT SHALL BE SUPPLIED WITHOUT A WEEP HOLE, OR WITH A PERMANENTLY PLUGGED WEEP HOLE.
2. THE SHEAR PAD SHALL BE RECESSED SIX (6) INCHES BELOW THE FINISHED GRADE AND THE RECESSED SECTION SODDED.
3. CLEARANCE BETWEEN BOTTOM OF BOLTS AND TOP OF SHEAR PAD SHALL BE A TWELVE (12) INCH MINIMUM.
4. FIRE HYDRANTS SHALL BE IDENTIFIED IN ACCORDANCE WITH THE CITY OF APOPKA UTILITIES DESIGN CONSTRUCTION STANDARDS MANUAL.

FIRE HYDRANT ASSEMBLY DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 402

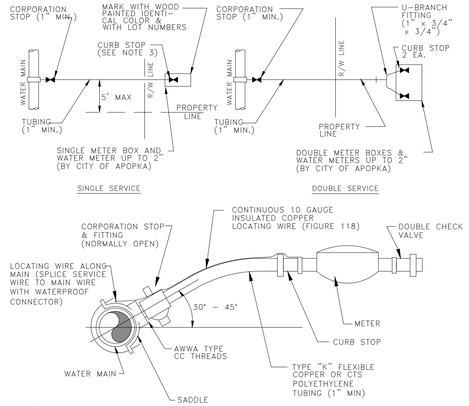


NOTES:

1. ANCHORING TYPE 90° BEND SHALL ONLY BE USED WHERE RIGHT-OF-WAY CONSTRUCTION WILL NOT ALLOW INSTALLATION OF A STRAIGHT ASSEMBLY.
2. POTABLE WATER MAINS SHALL BE MINIMUM 4" FOR THE LAST 500' OF A CUL-DE SAC NOT SERVING A HYDRANT.

TYPICAL SERVICE LOCATION DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	MAY 2022	FIG. 404

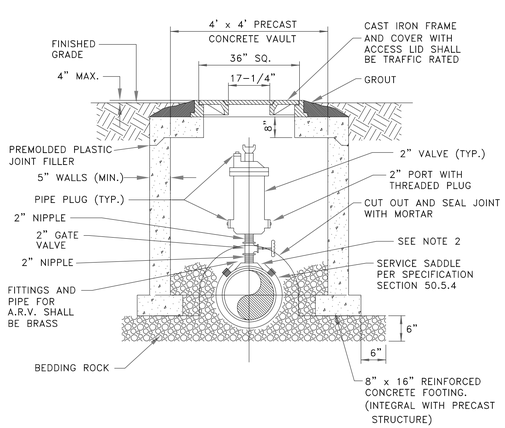


NOTES:

1. ALL FITTINGS SHALL BE BRASS WITH COMPRESSION/PACK JOINT TYPE CONNECTIONS.
2. NO SERVICE LINE SHALL TERMINATE UNDER A DRIVEWAY.
3. EACH SERVICE SHALL TERMINATE AT A CURB STOP(S) WHICH SHALL BE BURIED APPROXIMATELY 3" BELOW FINAL GRADE AND SHALL BE CLEARLY MARKED WITH A 2" x 2" x 18" STAKE WITH THE TOP PAINTED BLUE FOR POTABLE WATER AND PURPLE FOR RECLAIMED WATER, AND MARKED WITH THE NUMBER OF THE LOT(S) TO BE SERVED.
4. RECLAIMED WATER SERVICES SHALL USE PURPLE COLORED CTS POLYETHYLENE TUBING.
5. POTABLE WATER SERVICES SHALL USE BLUE COLORED CTS POLYETHYLENE TUBING.
6. ALL SERVICE UNDER EXISTING OR PROPOSED PAVEMENT SHALL BE INSTALLED IN A MINIMUM 2" PVC SLEEVE.

WATER SERVICE CONNECTION DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 405

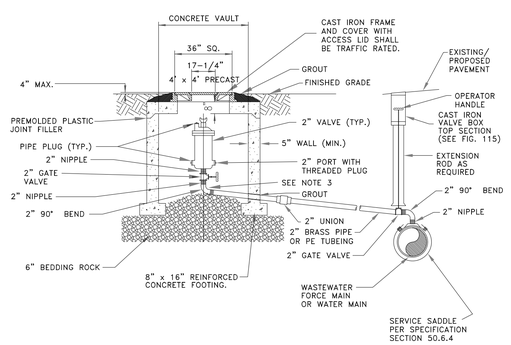


NOTES:

1. ABOVE DETAIL IS BASED ON 2 INCH COMBINATION AIR/VACUUM RELEASE VALVE. CHANGE PIPE AND FITTINGS ACCORDINGLY FOR OTHER VALVE SIZES AND TYPES. VALVE SIZES TO BE DETERMINED BY THE ENGINEER AND APPROVED BY THE CITY PRIOR TO INSTALLATION.
2. THE MINIMUM DIMENSION FROM TOP OF PIPE TO FINISHED GRADE SHALL BE 4.0 FEET.
3. ALL STRUCTURES TO BE TRAFFIC BEARING RATED.

AIR OR COMBINATION AIR/VACUUM RELEASE VALVE DETAIL - UNDERGROUND

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 119



NOTES:

1. ABOVE DETAIL IS BASED ON 2 INCH COMBINATION AIR/VACUUM RELEASE VALVE. CHANGE PIPE AND FITTINGS ACCORDINGLY FOR OTHER VALVE SIZES AND TYPES. VALVE SIZES TO BE DETERMINED BY THE ENGINEER AND APPROVED BY THE CITY PRIOR TO INSTALLATION.
2. THE MINIMUM DIMENSION FROM ELBOW INVERT TO FINISHED GRADE SHALL BE 4.0 FEET.
3. THE AIR RELEASE VALVE SHALL BE ADEQUATELY SUPPORTED.
4. ALL FITTINGS ARE TO BE BRASS.

OFFSET AIR OR COMBINATION AIR/VACUUM RELEASE VALVE DETAIL - UNDERGROUND

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 120

REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 01/14/2026	SSS
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3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SSS

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UTILITY DETAILS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/18/2026

SCALE: N.T.S.
PROJECT: PUL-037
SHEET: C11.1

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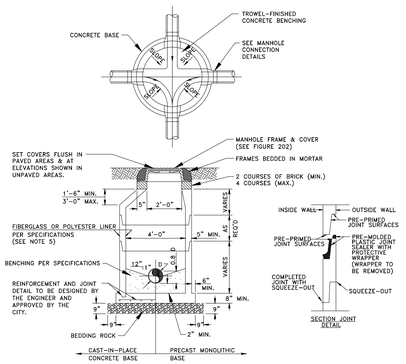


FORCE MAIN MANHOLE LINER*

THICKNESS (INCHES)					
DIAMETER (INCHES)	HEIGHT (FEET) 3-6	7-12	13-17	MATERIAL	MANUFACTURER
48					
60					
72					

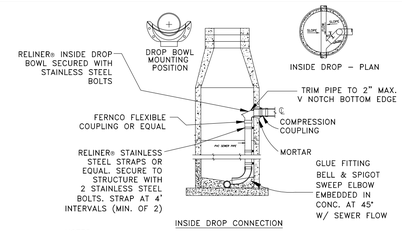
* TO BE COMPLETED BY THE ENGINEER

NOTES:

1. MANHOLE SHOWN IS FOR SEWER SIZE 8" THRU 24". SEE SECTION 20.4 OF THE MANUAL FOR MANHOLE DIAMETER FOR SEWERS LARGER THAN 24".
2. DROP CONNECTIONS ARE REQUIRED WHENEVER INVERT OF INFLUENT SEWER IS 24" OR MORE ABOVE THE INVERT OF THE MANHOLE. SEE MANHOLE CONNECTION DETAILS.
3. THE THICKNESS OF THE LINER SHALL BE 3/8" MINIMUM.
4. EACH BENCH WALL SHALL BE A MINIMUM OF 18 INCHES LONG FROM THE WALL OF THE MANHOLE TOWARD THE CENTER.
5. SANITARY SEWER MANHOLES MAY BE REQUIRED TO BE LINED IN ACCORDANCE WITH THE CITY OF APOPKA LIST OF APPROVED MATERIALS AND PRODUCTS AS DIRECTED BY THE CITY.

TYPICAL MANHOLE

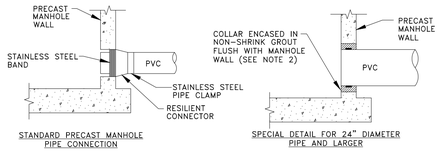
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2015	FIG. 200



INSIDE DROP CONNECTION

NOTES:

1. ALL INSIDE DROP CONNECTIONS FOR SERVICES AND COLLECTOR SEWERS SHALL USE THE DROP BOWL AS PRODUCED BY:
   RELINER-DURAN, INC.
   53 MT. ARCHER RD,
   LYME, CT 06371
   (860)434-0277 FAX: (860)434-3195 OR EQUAL.
2. SECURE DROP PIPE TO MANHOLE WALL WITH RELINER-DURAN, INC STAINLESS STEEL ADJUSTABLE CLAMPING BRACKETS.
3. FORCE MAIN RECEIVING MANHOLES MAY BE REQUIRED TO BE LINED IN ACCORDANCE WITH THE CITY OF APOPKA LIST OF APPROVED MATERIALS AND PRODUCTS AS DIRECTED BY THE CITY.



STANDARD PRECAST MANHOLE PIPE CONNECTION

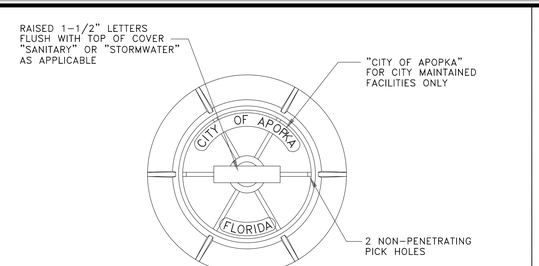
SPECIAL DETAIL FOR 24" DIAMETER PIPE AND LARGER

NOTES:

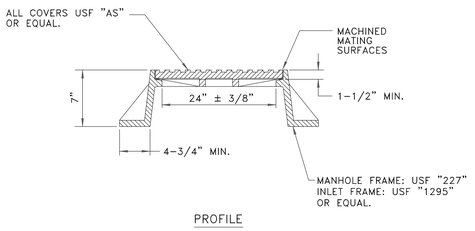
1. DROP PIPE AND FITTINGS SHALL BE OF EQUAL SIZE AND MATERIAL AS THE INFLUENT SEWER.
2. THE CITY MAY APPROVE ALTERNATE WATERTIGHT CONNECTION DETAILS FOR CONNECTION OF 24" DIAMETER PIPES AND LARGER.
3. AN INSIDE DROP CONNECTION SHALL BE REQUIRED FOR ALL INFLUENT WHICH HAVE AN INVERT 24" OR MORE ABOVE THE OUTFLOW PIPE INVERT.
4. CONCRETE TO BE MINIMUM OF 3000 PSI.

MANHOLE CONNECTION DETAILS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2015	FIG. 201



PLAN



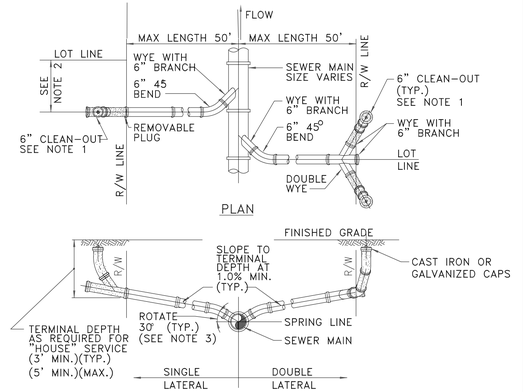
PROFILE

NOTES:

1. MANHOLE FRAME AND COVER ARE TO BE TRAFIC BEARING RATED H-20, CLASS 30 MEETING ASTM A 48.

STANDARD MANHOLE FRAME AND COVER

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 202



PLAN

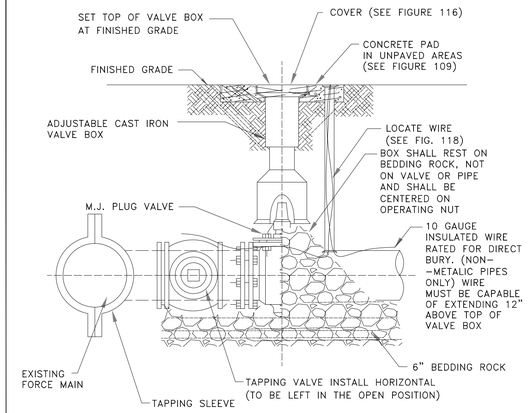
PROFILE

NOTES:

1. CLEAN-OUT (SHOWN SHADED) SHALL BE INSTALLED BY THE BUILDER IN ACCORDANCE WITH STANDARD PLUMBING CODE.
2. LOCATE SINGLE LATERAL AS CLOSE TO LOT LINE AS POSSIBLE.
3. INVERT OF SERVICE LATERAL SHALL NOT ENTER SEWER MAIN BELOW SPRING LINE.
4. RESIDENTIAL SERVICES SHALL BE 4 INCHES & NON-RESIDENTIAL SERVICES SHALL BE 6 INCHES IN DIAMETER AS A MINIMUM.
5. GALVANIZED, OR CAST IRON CLEAN-OUT CAP SHALL BE USED ON THE STUBOUT FOR EACH SERVICE.
6. LATERAL SHALL BE MARKED WITH AN "S" STAMPED OR CUT IN THE CURB.

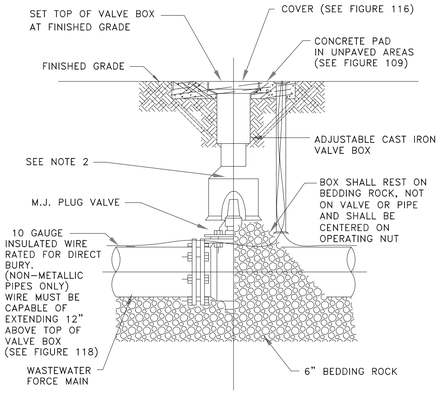
SERVICE LATERAL DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 204



FORCE MAIN WET TAP TIE-IN DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 206

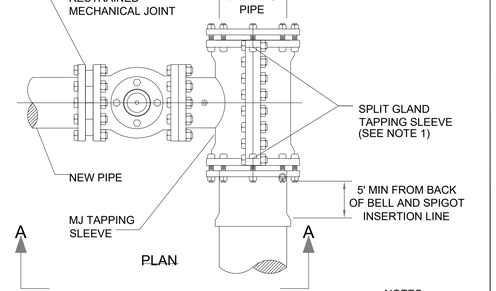


NOTES:

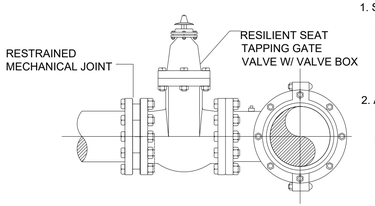
1. PVC EXTENSIONS MAY BE USED ON VALVE BOX INSTALLATION.
2. THE ACTUATING NUT FOR DEEPER VALVES SHALL BE EXTENDED TO WITHIN 3 FEET BELOW FINISHED GRADE.

PLUG VALVE AND BOX DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 400 A



PLAN



SECTION A - A

NOTES

1. SIZE ON SIZE WET TAPS WILL CALL FOR FULL ENCIRCLEMENT STAINLESS STEEL MJ TAPPING SLEEVE; MUELLER H-304, OR EQUAL.
2. ALL NEWLY INSTALLED TAPPING SLEEVES & TAPPING VALVES SHALL BE PNEUMATICALLY TESTED AT A TEST PRESSURE OF 150PSI FOR A PERIOD OF THIRTY MINUTES.

WATER AND RECLAIMED WATER MAINS WET TAP TIE-IN DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 406

REV	DATE	DESCRIPTION	BY
1	02/12/2026	CITY OF APOPKA COMMENTS DATED 01/14/2026	DSS
2	04/30/2026	SJRWMD COMMENTS DATED 03/30/2026	DSS
3	05/07/2026	SJRWMD COMMENTS DATED 05/07/2026	SKS

1828 ENGINEERING
2400 MAITLAND CENTER PKWY, SUITE 107
MAITLAND, FLORIDA 32751
(407) 558-2228
BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

UTILITY DETAILS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 3/18/2026
SCALE: N.T.S.
PROJECT: PUL-037
SHEET: C11.2

LUKE CLASSON LICENSED No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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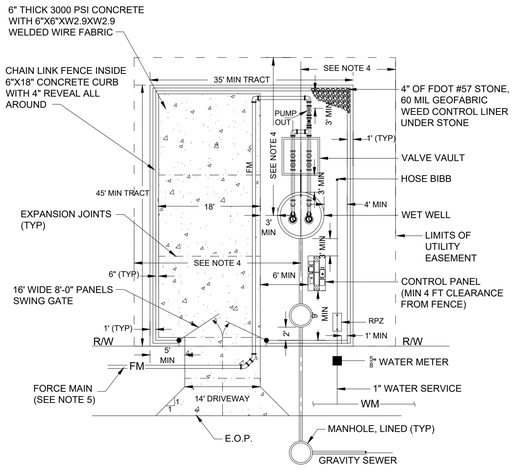
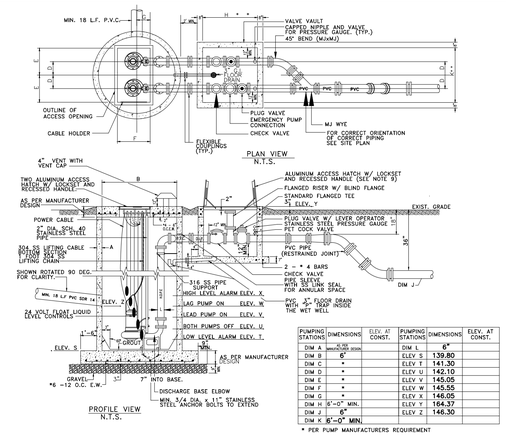
P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\UTILITY DETAILS.dwg Modified:3/18/2026 By:lgraham Plotted By:andrew.francis



NOTES:
1. THIS DRAWING IS PROVIDED AS REFERENCE ONLY. DESIGN ENGINEER SHALL PROVIDE A SITE SPECIFIC DRAWING TO A SCALE OF 1"=10'.
2. FOR NON-RESIDENTIAL ROADS, DISTANCE BETWEEN EDGE OF PAVEMENT AND GATE SHALL BE 20' MINIMUM.
3. PUMP STATION TRACT (INCLUDING DRIVEWAY) AND UTILITY EASEMENT SHALL BE DEDICATED TO ORANGE COUNTY UTILITIES.
4. THIS DIMENSION, AS MEASURED FROM THE CENTER OF THE WET WELL TO THE PUBLIC UTILITY EASEMENT LIMIT, SHALL BE EQUAL TO OR GREATER THAN THE DEPTH OF THE WET WELL.
5. CONTROL PANEL DOOR HINGES TO BE LOCATED ON THE SIDE OF THE PANEL FARTHEST FROM THE WELL.
6. DRIVEWAY SUBGRADE TO BE 8" THICK. SUBGRADE TO BE COMPACTED TO A MINIMUM DENSITY 98% OF THE MAX DENSITY AS DETERMINED BY ASTM D1557.
7. THE BOUNDARY OF ALL NEW PUMP STATION TRACTS SHALL BE LOCATED A MINIMUM OF 50 FEET AWAY FROM ANY SINGLE FAMILY RESIDENTIAL LOT INCLUDING TOWNHOMES.

CITY OF APOPKA | DESIGN ENGINEERING DIVISION | JANUARY 2014 | FIG. 300



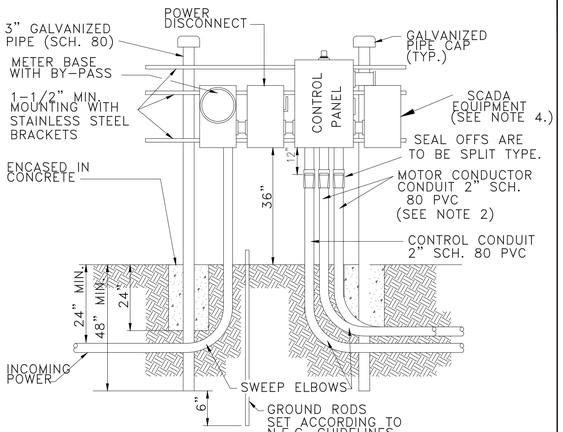
PUMPING STATIONS	DIMENSIONS	ELEV. AT CONST.	PUMPING STATIONS	DIMENSIONS	ELEV. AT CONST.
DIM A	PLUS MANUFACTURER DESIGN		DIM L	6"	
DIM B	6"		ELEV. S		139.80
DIM C	*		ELEV. T		141.30
DIM D	*		ELEV. U		142.10
DIM E	*		ELEV. V		145.05
DIM F	*		ELEV. W		145.55
DIM G	*		ELEV. X		146.05
DIM H	6'-0" MIN.		ELEV. Y		164.37
DIM J	6"		ELEV. Z		146.30
DIM K	6'-0" MIN.				

* PER PUMP MANUFACTURERS REQUIREMENT

GENERAL NOTES:
1. VALVE VAULT AND WET WELL LIDS SHALL BE COATED WITH 1 COAT OF TNEMEC SERIES 66, COLOR ENO3, (2-3 MILS), FOLLOWED BY TOP COAT OF TNEMEC SERIES 73, COLOR ENOS, (2-3 MILS) OR EQUAL.
2.A THE WET WELL SHALL BE CONSTRUCTED OF FIBERGLASS REINFORCED POLYESTER (RPP) AND MANUFACTURED FROM COMMERCIAL GRADE POLYESTER RESIN OR VINYL ESTER RESIN, WITH FIBERGLASS REINFORCEMENTS. THE WET WELL SHALL BE A ONE PIECE UNIT AND MANUFACTURED BY L.F. MANUFACTURE, INC. OR EQUAL.
2.B IN LIEU OF RFP THE WET WELL MAY BE CONSTRUCTED OF PRECAST CONCRETE HAVING A MINIMUM WALL THICKNESS OF 8 INCHES. THE INTERIOR WALLS SHALL BE LINED USING A HIGH DENSITY POLYETHYLENE PRODUCT AS MANUFACTURED BY AGRU SURE GRIP, OR EQUAL.
3. PIPING IN THE WET WELL TO BE HOPE WITH FUSED 45 DEGREES FITTINGS FROM WET WELL TO VALVE VAULT.
4. INTERIOR OF THE VALVE VAULT AND PIPING IN THE VALVE VAULT WITH CorrSeal CS-55 (OR EQUAL), TWO COATS, 4 MILS EACH. PIPING SHALL BE COATED AFTER INSTALLATION.
5. VALVE VAULT SHALL BE SIZED TO PERMIT EASY REMOVAL OF CHECK VALVE SPINDLES WITH MINIMUM CLEARANCES AS SHOWN FOR 6" DIAMETER PIPE AND SMALLER. CLEARANCES SHALL INCREASE AS REQUIRED FOR LARGER PIPE SIZES.
6. VALVE VAULT SHALL HAVE SEALED FLOOR AND DRAIN.
7. ALL LOCATIONS WHERE PIPES ENTER OR LEAVE THE WET WELL OR VALVE VAULT SHALL BE MADE WATERTIGHT WITH WALL SLEEVE AND STAINLESS STEEL LINK SEAL.
8. THERE SHALL BE NO VALVES OR ELECTRICAL JUNCTION BOXES IN WET WELL.
9. WET WELL AND VALVE VAULT COVERS SHALL BE ALUMINUM WITH 316 S.S. HARDWARE LOCK BRACKET, SIZE AS REQUIRED BY PUMP MANUFACTURER AND APPROVED BY THE CITY.
10. FLEXIBLE COUPLING SHALL BE SLEEVE TYPE, EPOXY COATED.
11. PUMPS SHALL BE: NP 3153
MANUFACTURER: XYLEM ; MODEL: HT 3~ 462 ; DIA: 276 mm ; SPEED: 1760 RPM ; DISCHARGE SIZE: 4.00 IN.;
VOLTAGE: 460 ; PHASE: 3 ; H.P.: 20 ; MIN. SOLID SIZE: 1/4 IN.
12. OPERATING CONDITIONS SHALL BE 260 GPM AT 135 FEET TDH.
13. ALL PIPING IN WET WELL AND VALVE BOX TO BE 316 STAINLESS STEEL.
14. SNAP RAIL TO BE INSTALLED IN WET WELL.
15. ALL PUBLIC LIFT STATIONS SHALL BE EQUIPPED WITH SCADA SYSTEM.THE DEVELOPER SHALL PAY THE CITY COST OF THE UNIT.THE CITY WILL BE RESPONSIBLE FOR INSTALLATION.
16. ALL LIFT STATIONS SHALL BE FENCED WITH DECORATIVE STONE OR BRICK OR AS DIRECTED BY THE CITY.
17. ALL LIFT STATIONS SHALL HAVE A 10 FEET WIDE CONCRETE ACCESS DRIVEWAY, 35' LONG FROM EDGE OF WET WELL TO BACK OF CURB.
18. ENGINEER SHALL PROVIDE A SCALED (1" = 20' MIN.) SITE SPECIFIC DETAIL.

PUMP STATION DETAIL

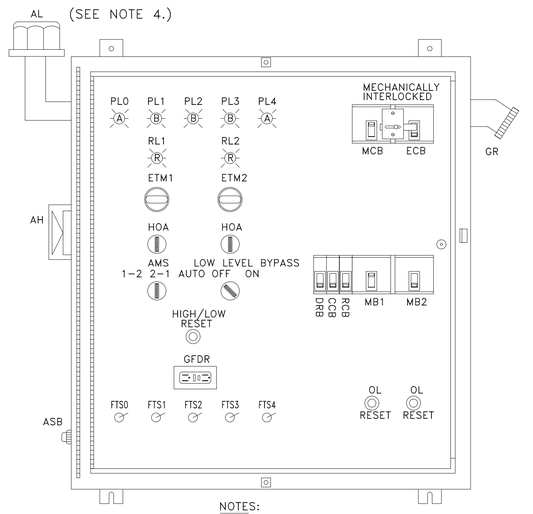
CITY OF APOPKA | DESIGN ENGINEERING DIVISION | JANUARY 2014 | FIG. 301



NOTES:
1. DRAWING IS SHOWN FOR 230 VOLT POWER SUPPLY. THE LOCATION OF METER AND MAIN POWER DISCONNECT SHALL BE REVERSED FOR 480 VOLT SUPPLY.
2. WHEN TWO (2) SEPARATE CONDUCTOR-TYPE MOTORS ARE USED, CONDUIT SHALL BE INCREASED TO THREE (3) INCH.
3. POWER SUPPLY SHALL BE UNDERGROUND TO THE PUMP STATION AND SHALL BE THREE (3) PHASE FROM A THREE (3) PHASE SOURCE ONLY.
4. STUB OUT UNISTRUT LONG ENOUGH TO ACCOMODATE A 24"x24" SCADA EQUIPMENT CABINET. CITY TO INSTALL SCADA EQUIPMENT CABINET.

DUPLEX PUMP STATION CONTROL PANEL INSTALLATION DETAIL

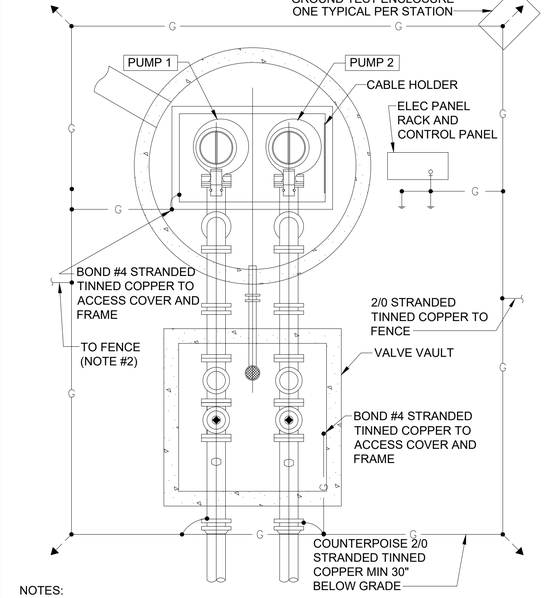
CITY OF APOPKA | DESIGN ENGINEERING DIVISION | JANUARY 2014 | FIG. 302



NOTES:
1. OUTER DOOR REMOVED TO SHOW DEADFRONT LAYOUT NEMA TYPE 3R 304 S.S. ENCL. WITH CONTINUOUS HINGE ALL HARDWARE STAINLESS STEEL TYPICAL, ACTUAL LAYOUT MAY VARY WITH HORSEPOWER
2. SERIES 3 (Q-FRAME) CIRCUIT BREAKERS
3. GENERATOR OUTLET FOR 230V - PYLE NATIONAL MODEL JRE4100/460V - CROUSE HINDS MODEL AR 2042.
4. THE HEIGHT OF THE ALARM LIGHT WILL NEED TO BE MADE VISIBLE FROM OUTSIDE THE LIFT STATION.

DUPLEX PUMP STATION CONTROL PANEL FRONT LAYOUT

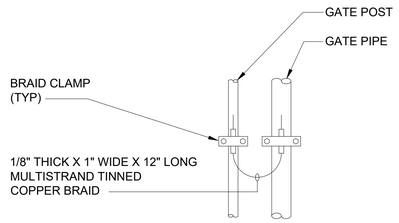
CITY OF APOPKA | DESIGN ENGINEERING DIVISION | JANUARY 2014 | FIG. 303

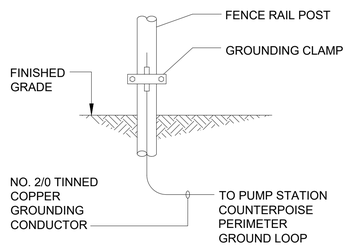


NOTES:
1. DETAIL IS GENERIC. SPECIFIC LOCATIONS OF EQUIPMENT MAY VARY.
2. TIE TO FENCE, MINIMUM 2 LOCATIONS. NOT REQUIRED WHERE PVC COATED OR BLOCK FENCE IS INSTALLED.
3. PROVIDE EXOTHERMIC WELDS UNLESS NOTED OTHERWISE.

PUMP STATION GROUNDING (TYPICAL)

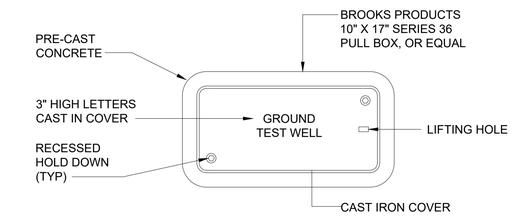
CITY OF APOPKA | DESIGN ENGINEERING DIVISION | JANUARY 2014 | FIG. 307

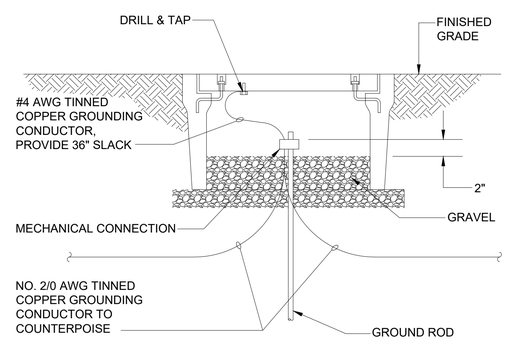




FENCE POST GROUNDING (TYPICAL)

CITY OF APOPKA | DESIGN ENGINEERING DIVISION | JANUARY 2014 | FIG. 307 A





GROUND TEST WELL

CITY OF APOPKA | DESIGN ENGINEERING DIVISION | JANUARY 2014 | FIG. 307 B

LIFT STATION MANUFACTURER IS REQUIRED TO PROVIDE SIGNED AND SEALED DRAWINGS FROM AN ELECTRICAL ENGINEER FOR CONTROL PANEL AND ELECTRICAL SPECIFICATIONS. PRIVATE LIFT STATION DESIGNED BY MESSINA & ASSOCIATES. THE ENGINEER OF RECORD'S SIGNATURE AND SEAL ON THIS SHEET IS ONLY FOR THE CIVIL ENGINEERING PORTION.

NOTES:
1. CONTRACTOR TO GRADE LIFT STATION SITE SUCH THAT WET WELL AND VALVE VAULT ARE A MIN OF 3" ABOVE SURROUNDING GRADE ELEVATION. ALSO, DRAINAGE IS SLOPED AWAY FROM THESE STRUCTURES.
2. THE ELECTRICAL DETAILS ARE SHOWN FOR CONCEPTUAL PURPOSES ONLY AND THE SUPPLIER SHALL PROVIDE FINAL SIGNED & SEALED DRAWINGS FOR ALL ELECTRICAL WORK.
3. CONTRACTOR TO VERIFY ELECTRICAL SERVICE PHASE, CURRENT AND VOLTAGE AVAILABILITY AND INCLUDE VERIFICATION OF SUCH IN SHOP DRAWING SUBMITTAL PRIOR TO PURCHASE AND/OR INSTALLATION OF PUMP AND CORRELATED ELECTRICAL LIFT STATION COMPONENTS.

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REV	DATE	DESCRIPTION	BY
A	02/12/2026	CITY OF APOPKA COMMENTS DATED 1/9/2026	SSS
B	04/10/2026	S.R.WND COMMENTS DATED 3/9/2026	SSS
C	05/07/2026	S.R.WND COMMENTS DATED 5/2/2026	SSS

1828 ENGINEERING
2400 MAITLAND CENTER PKWY, SUITE 107
MAITLAND, FLORIDA 32751
(407) 558-2228
BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

LIFT STATION DETAILS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/21/2026
SCALE: N.T.S.
PROJECT: PUL-037
SHEET: C11.3

LUKE CLASSON LICENSE No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER 5/12/26

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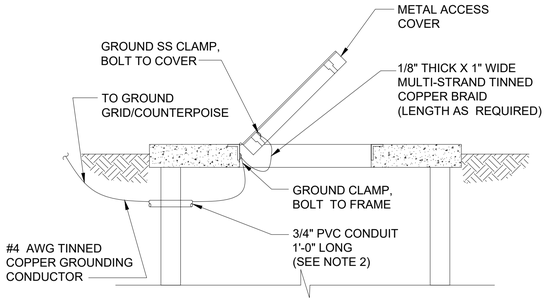
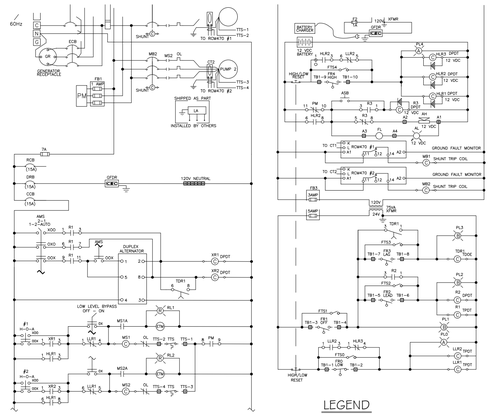
P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\LIFT STATION DETAILS.dwg Modified: 4/21/2026 By:andrei.florea@messinaengineering.com



NOTES:
1. ON COVERS WITH MULTIPLE DOORS, PROVIDE BRAID FROM FRAME TO DOOR ON EACH DOOR. PROVIDE WATERPROOF CAULKING WHERE GROUND CABLE AND CONDUIT PENETRATES WETWELL TO PREVENT INTRUSION OF GROUNDWATER AND ESCAPE OF VAPORS FROM WETWELL.
2. INSTALL GROUND WIRE SO THAT IT WILL NOT CROSS CLEAR OPENING OR PREVENT OR IMPEDE NORMAL METHOD OF REMOVING FLOATS OR PUMPS.

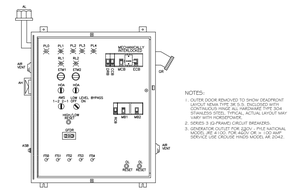
COVER AND DOOR GROUNDING

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 307 C



LEGEND

AB – ALARM BELL
ACFL – AIR COMPRESSOR FAIL LIGHT
ACR – AIR COMPRESSOR RESET
ACTS – AIR COMPRESSOR TERMINAL STRIP
AH – ALARM HORN
AL – ALARM LIGHT
ALT – ALTERNATOR
AMS – ALTERNATOR MODE SWITCH
ASB – ALARM SILENCE BUTTON
ATS – ALTERNATOR TEST SWITCH
AV – AIR VENT
CCB – CONTROL CIRCUIT BREAKER
CT – CURRENT TRANSFORMER
CVLS – CHECK VALVE LIMIT SWITCH
DPDT – DOUBLE-POLE, DOUBLE-THROW
DR – DISABLE RELAY
DRB – DUPLEX RECEPTACLE BREAKER
DS – DOOR SWITCH
ECB – EMERGENCY CIRCUIT BREAKER
ETM – ELAPSED TIME METER
F – FUSE
FB – FUSE BLOCK
FL – FLASHER
FR – FLOAT REGULATOR
FS – FLOW SWITCH
FTS – FLOAT TEST SWITCH
GFDR – GROUND FAULT DUPLEX RECEPTACLE
GND – EARTH GROUND
GR – GENERATOR RECEPTACLE
HLA – HIGH LEVEL ALARM
HLR – HIGH LEVEL RESET
HOA – HAND-OFF-AUTO SELECTOR SWITCH
ISR – INTRINSICALLY SAFE RELAY
LA – LIGHTNING ARRESTOR
LLR – LOW LEVEL RESET
LTB – LAMP TEST BUTTON
MB – MOTOR BREAKER
MCB – MAIN CIRCUIT BREAKER
MD – MOISTURE DETECTOR
MS – MOTOR STARTER
NC – NORMALLY CLOSED
NO – NORMALLY OPEN
OL – OVERLOAD
PB – POWER BLOCK
PCU – PUMP CONTROL UNIT
PFL – PUMP FAIL LIGHT
PFT – PUMP FAIL TIMER
PL – PILOT LIGHT
POL – POWER ON LIGHT
PM – PHASE MONITOR
PS – PRESSURE SWITCH
R – RELAY
RCB – RTU CIRCUIT BREAKER
RL – RUNNING LIGHT
RTU – REMOTE TELEMETRY UNIT
SC – SURGE CAPACITOR
SDR – STATION DISABLE RELAY
SMC – SMART MOTOR CONTROLLER
SPM – SINGLE PHASE MODULE
SS – SAFETY SWITCH
SSOL – SOLID-STATE OVERLOAD
T – TERMINAL
TB – TERMINAL BLOCK
TD – TIME DELAY
TDODE – TIME DELAY ON DE-ENERGIZE
TDOE – TIME DELAY ON ENERGIZE
TDR – TIME DELAY RELAY
TL – TROUBLE LIGHT
TLS – TROUBLE LIGHT SWITCH
TPDT – TRIPLE-POLE, DOUBLE-THROW
TTS – THERMAL TERMINAL STRIP
XFMR – TRANSFORMER



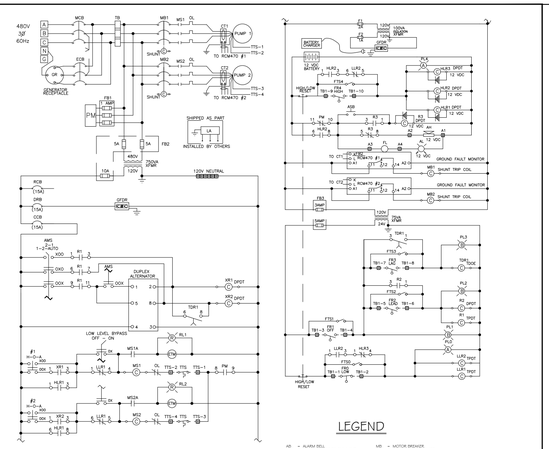
NOTES:
1. OUTER DOOR REMOVED TO SHOW DEADFRONT CONTROLS INNER DOOR. ENTIRE ENCLOSURE CONTAINING ALL HARDWARE TYPE 304 STAINLESS STEEL. TYPICAL. ACTUAL LAYOUT MAY VARY WITH MANUFACTURER.
2. SERIES 3 Q-PRIMED CIRCUIT BREAKERS.
3. GENERATOR OUTLET FOR 230V., 1PHI, NATIONAL EMA 5-15R TYPE, 15 A., ENCLOSED WITH CONTINUOUS HINGE ALL HARDWARE TYPE 304 STAINLESS STEEL. TYPICAL. ACTUAL LAYOUT MAY VARY WITH MANUFACTURER.

DUPLEX PUMP CONTROL PANEL GENERAL LAYOUT & SCHEMATIC

(230V–3PH)

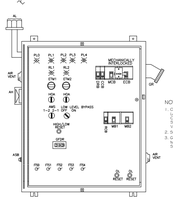
WITH GENERATOR RECEPTACLE

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 305 A



LEGEND

AB – ALARM BELL
ACFL – AIR COMPRESSOR FAIL LIGHT
ACR – AIR COMPRESSOR RESET
ACTS – AIR COMPRESSOR TERMINAL STRIP
AH – ALARM HORN
AL – ALARM LIGHT
ALT – ALTERNATOR
AMS – ALTERNATOR MODE SWITCH
ASB – ALARM SILENCE BUTTON
ATS – ALTERNATOR TEST SWITCH
AV – AIR VENT
CCB – CONTROL CIRCUIT BREAKER
CT – CURRENT TRANSFORMER
CVLS – CHECK VALVE LIMIT SWITCH
DPDT – DOUBLE-POLE, DOUBLE-THROW
DR – DISABLE RELAY
DRB – DUPLEX RECEPTACLE BREAKER
DS – DOOR SWITCH
ECB – EMERGENCY CIRCUIT BREAKER
ETM – ELAPSED TIME METER
F – FUSE
FB – FUSE BLOCK
FL – FLASHER
FR – FLOAT REGULATOR
FS – FLOW SWITCH
FTS – FLOAT TEST SWITCH
GFDR – GROUND FAULT DUPLEX RECEPTACLE
GND – EARTH GROUND
GR – GENERATOR RECEPTACLE
HLA – HIGH LEVEL ALARM
HLR – HIGH LEVEL RESET
HOA – HAND-OFF-AUTO SELECTOR SWITCH
ISR – INTRINSICALLY SAFE RELAY
LA – LIGHTNING ARRESTOR
LLR – LOW LEVEL RESET
LTB – LAMP TEST BUTTON
MB – MOTOR BREAKER
MCB – MAIN CIRCUIT BREAKER
MD – MOISTURE DETECTOR
MS – MOTOR STARTER
NC – NORMALLY CLOSED
NO – NORMALLY OPEN
OL – OVERLOAD
PB – POWER BLOCK
PCU – PUMP CONTROL UNIT
PFL – PUMP FAIL LIGHT
PFT – PUMP FAIL TIMER
PL – PILOT LIGHT
POL – POWER ON LIGHT
PM – PHASE MONITOR
PS – PRESSURE SWITCH
R – RELAY
RCB – RTU CIRCUIT BREAKER
RL – RUNNING LIGHT
RTU – REMOTE TELEMETRY UNIT
SC – SURGE CAPACITOR
SDR – STATION DISABLE RELAY
SMC – SMART MOTOR CONTROLLER
SPM – SINGLE PHASE MODULE
SS – SAFETY SWITCH
SSOL – SOLID-STATE OVERLOAD
T – TERMINAL
TB – TERMINAL BLOCK
TD – TIME DELAY
TDODE – TIME DELAY ON DE-ENERGIZE
TDOE – TIME DELAY ON ENERGIZE
TDR – TIME DELAY RELAY
TL – TROUBLE LIGHT
TLS – TROUBLE LIGHT SWITCH
TPDT – TRIPLE-POLE, DOUBLE-THROW
TTS – THERMAL TERMINAL STRIP
XFMR – TRANSFORMER



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DUPLEX PUMP CONTROL PANEL GENERAL LAYOUT & SCHEMATIC

(480V–3PH)

WITH GENERATOR RECEPTACLE

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 305 C

AB – ALARM BELL
ACFL – AIR COMPRESSOR FAIL LIGHT
ACR – AIR COMPRESSOR RESET
ACTS – AIR COMPRESSOR TERMINAL STRIP
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TL – TROUBLE LIGHT
TLS – TROUBLE LIGHT SWITCH
TPDT – TRIPLE-POLE, DOUBLE-THROW
TTS – THERMAL TERMINAL STRIP
XFMR – TRANSFORMER

COMPONENT LEGEND

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 306

CONTROL PANEL AND ELECTRICAL INFORMATION IS FOR CONCEPTUAL PURPOSES. LIFT STATION MANUFACTURER IS REQUIRED TO PROVIDE SIGNED AND SEALED DRAWINGS FROM AND ELECTRICAL ENGINEER FOR CONTROL PANEL AND ELECTRICAL SPECIFICATIONS. THE ENGINEER OF RECORD'S SIGNATURE AND SEAL ON THIS SHEET IS ONLY FOR THE CIVIL ENGINEERING PORTION.

NOTES:
1. CONTRACTOR TO GRADE LIFT STATION SITE SUCH THAT WET WELL AND VALVE VAULT ARE A MIN OF 3" ABOVE SURROUNDING GRADE ELEVATION. ALSO, DRAINAGE IS SLOPED AWAY FROM THESE STRUCTURES.
2. THE ELECTRICAL DETAILS ARE SHOWN FOR CONCEPTUAL PURPOSES ONLY AND THE SUPPLIER SHALL PROVIDE FINAL SIGNED & SEALED DRAWINGS FOR ALL ELECTRICAL WORK.
3. CONTRACTOR TO VERIFY ELECTRICAL SERVICE PHASE, CURRENT AND VOLTAGE AVAILABILITY AND INCLUDE VERIFICATION OF SUCH IN SHOP DRAWING SUBMITTAL PRIOR TO PURCHASE AND/OR INSTALLATION OF PUMP AND CORRELATED ELECTRICAL LIFT STATION COMPONENTS.

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REV	DATE	DESCRIPTION	BY
5	05/12/2026	CITY OF APOPKA COMMENTS DATED 04/14/2026	SSS
4	04/30/2026	SJR/MD COMMENTS DATED 04/30/2026	SSS
3	03/02/2026	SJR/MD COMMENTS DATED 02/26/2026	SSS

1828 ENGINEERING
2400 MAITLAND CENTER PKWY, SUITE 107
MAITLAND, FLORIDA 32751
(407) 558-2228
BOARD OF PROFESSIONAL ENGINEERING REGISTRY NO. 39060

LIFT STATION DETAILS
CONSTRUCTION SITE PLAN
OAKMOOR (F.K.A. ONDICH NORTH)
CITY OF APOPKA, FLORIDA

DRAWN: L. GRAHAM
DESIGNED: S. SIERRA-GIL
CHECKED: L.CLASSON
DATE: 4/21/2026

SCALE: N.T.S.
PROJECT: PUL-037
SHEET: C11.4

LUKE CLASSON LICENSE No 77066 STATE OF 5/12/26 FLORIDA PROFESSIONAL ENGINEER

Electronic copies of this document are considered signed and sealed and the signature must be verified on any electronic copies.

P:_PROJECT DRAWINGS\PUL-037 Ondich Parcels Development\Drawings\CAD Civil3D\Layouts\05 CSP\LIFT STATION DETAILS.dwg Modified:4/21/2026 By:afrancis Plotted By:andrew francis