



APOPKA DEVELOPMENT REVIEW COMMITTEE AGENDA

March 27, 2024 9:00 AM

Apopka City Hall Council Chambers

SPECIAL EVENTS

1. Top Select Volleyball Booster - End of Season Tailgate - Apopka Amphitheater - 3710 Jason Dwelley Parkway, May 5, 2024, 8:30 AM - 4:00 PM
2. Reyes Fitness Professionals - Murph - 3710 Jason Dwelley Parkway - Northwest Recreation Complex - May 25, 2024, 7:00 AM - 10:00 AM
3. RL3 Foundation - Motivation Weekend (three events in one) - 3710 Jason Dwelley Parkway - Field of Fame Football Fields, June 1, 2024, 8:00 AM - 2:30 PM, Apopka Amphitheater June 1, 2024, 5:00 PM - 9:00 PM
4. Deuterman Productions - Country Concert - 3710 Jason Dwelley Parkway - Apopka Amphitheater, June 22, 2024, 5:30 PM-10:00 PM
5. Ignite Your Light Ministries, Inc. - Ignite! Latin/Christian Music Crusade - 3710 Jason Dwelley Parkway - Apopka Amphitheater, November 8, 2024, 7:00 PM-9:30 PM
6. WLF Ventures LLLP - Water Lantern Festival - 3710 Jason Dwelley Parkway - Apopka Amphitheater - May 11, 2024, 5:30 PM-10:00 PM

FUTURE LAND USE AMENDMENT

1. FLU-24-2, 951 Highland Avenue - Future Land Use (FLU), 1st Submittal

SITE PLAN:

CONSTRUCTION SITE PLAN

1. 229 East 5th Street - Construction Site Plan (CSP), 3rd Submittal
2. SP-24-12, 529 Johns Road - Construction Site Plan (CSP), 2nd Submittal
3. SP-24-3, Mid-Florida South Logistics Park- Construction Site Plan Revision (CSP Revision), 2nd Submittal
4. SP-24-22, Crossroads at Kelly Park, Effie Drive Offsite Watermain - Construction Site Plan (CSP), 1st Submittal
5. Farm Credit Apopka - Construction Site Plan (CSP), 3rd Submittal
6. SP-24-24, Lux Carwash - Construction Site Plan (CSP), 4th Submittal
7. SP-23-5, Hawthorne Business Center - Construction Site Plan (CSP), 3rd Submittal

8. SP-23-6, Marshall Lake Business Center - Construction Site Plan (CSP), 2nd Submittal
9. SP-24-25, Crossroads at Kelly Park - Ondich Road Improvements - Construction Site Plan (CSP), 1st Submittal

DISCUSSION

1. Crossroads at Kelly Park Phase 1A - Lots 31 and 49 Fit Issue (Administrative Adjustments Request)
Owner(s): DFC Kelly Park, LLC
Applicant(s): Poulos and Bennett, LLC
Location: 4338 Ondich Road
Proposed Use: Single Family Residential
Project Manager: James Hitt
Presented by: James Hitt, Community Development Director

ADJOURNMENT

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

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

Top Select
Volleyball

5/5/24



Special Event Permit Application

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 to 90 days prior to the event.

Incomplete applications will not be reviewed. After approval, an estimation of fees forms for your event based on the application and the approval is applicable.

Lexi Lahendro – Events Coordinator
events@apopka.net
407-703-1812

You must submit all required documents with your application.

Special Event Permit Application Checklist

Remember, we suggest that all applications submitted at least 60-90 days prior to the event.

Please review this checklist and make sure you have the items requested below available during this application process.

- Completed Special Event Permit Application
- Event Description
- A non-refundable application fee of \$50.00 or completed application for waiver of permit fee is due when application is submitted. *Staff will contact you about this step.*
- A certificate of general liability insurance listing the "City of Apopka" as 'Additional Insured' must be submitted. Copy of the declaration sheet and endorsement page must be included. Additional insurance may be required, please see the event insurance requirements.
- A site plan (Map) or Parade/Race Route **MUST** be submitted with your application. Map must identify location of staging, tents, parking, barricades, vendors, and restrooms and must be to scale.
- Letter from the property owner granting permission for use of their property. (if on private property)
- If alcohol will be served at your event you must include the alcohol permit and insurance with the completed permit
- Copies of flyers and advertisements.
- Policies and protocols in regards to CDC Guidelines/COVID-19 & social distancing
- All renters and vendors must have a listing with the Florida Department of State Division of Corporations. Visit www.sunbiz.org for more information about the process of registering a business.
- All businesses must also must submit a copy of your Business Tax Receipt for the municipality/county that your business/organization is registered in.

Applicant must be present for duration of event.

Organization Name	Top Select Volleyball Booster
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Name of Applicant	Michelle Santoni
Mailing Address	1101 N KELLER RD
City	ORLANDO
State	FL
Zip Code	32810
Cell Phone	4072423498
Email	michelle@topselectvolleyball.com
Is your organization a Non – Profit (501C3) OR Tax Exempt Organization?	Yes
State of Florida Tax ID Number	85-8018480918C-6

A copy of your 501C3 non-profit certificate is required for non-profit status. Otherwise taxes will be charged.

Please attach a copy of your 501C3 non-profit certificate

 TSVA Booster Tax Exemption Certificate.pdf

Please attach a copy of your Business Tax Receipt for the municipality/county that your business/organization is registered in.

 Tax Exemption Certificate.pdf

Name of the Event	End of Season Tailgate
Date(s) of the Event	Sunday, May 5 2024
Hours of the Event	8:30am - 4:00pm
Location of the Event	Apopka Amphitheater

Does the location of the event take place on Public or Private Property?

Yes

Anticipated attendance: 500

Briefly describe the event and all activities that will occur during the event:

This is an event to celebrate the end of season of a volleyball club. We have celebrated it for the past 3 years at the Amphitheatre. It is a family fun day, were we celebrate the season and give out awards to teams and players. Teams set up tents around the lawn and play games like cornholes, and other field day games.

Event Category

- Festival/Celebration

Are there flyers or advertisements for this event?

No

Additional Event Information It is a private event for Top Select Volleyball Academy families only.

Will there be admission fees to your event?	No
Will you be serving alcohol?	No
Is your event open to the public?	No
Does your event include food concession?	No
Do you intend to have food trucks at your event?	No
Will there be merchandising vending at your event?	No
Will they need electric?	No
Will you be hiring a private security company for the event?	No
Do you require overnight security?	No
Are there musical entertainment features related to your event?	No
Will amplified sound be used during the event?	Yes
Will any streets be closed or will the flow of traffic be affected by the event?	No
Does your event include the use of tents?	Yes

Please indicate tent location & size on layout. Permits and ground locates may be required.

What size of tents? 10 X10 placed around the lawn area of the amphitheater.

Will inflatables be used at your event?	Yes
Will your event include any fireworks or pyrotechnics?	No

Date/Time (on site load in and load out)

For events that are held on City Property, set up days and load out days may require additional fees.

Setup/Load In	
Date	05/05/2024
Start Time	8:00 AM (EST)
End Time	4:00 PM (EST)

Event Dates

Date	05/05/2024
Start Time	8:30 AM (EST)
End Time	4:00 PM (EST)

Take Down/Load Out

Date	05/05/2024
Start Time	4:00 PM (EST)
End Time	4:30 PM (EST)

I, Being the Applicant/Event Organizer, have read and understand the guidelines contained within the City of Apopka's Special Event Permit Application and agree to conduct my event in accordance. I further understand that failure to abide by these guidelines may result in the denial or forfeiture of my Special Event Permit.

The City of Apopka is not responsible for lost, stolen or damaged items.

I acknowledge that the information contained in this application is true, correct, and complete to the best of my knowledge.

Applicant Signature



Name of Applicant	Michelle Santoni
Title of Applicant	Director Of Operations, Top Select Volleyball Academy
Date Submitted	02/14/2024

The Applicant/Event Organizer shall maintain at all times throughout the duration of the event, a current insurance policy naming the City of Apopka as an additional insured providing coverage for all approved event activities and must be active on the date(s) of the event, including the set-up and break-down period. Failure to provide proof of adequate coverage will result in the denial of the special event permit or cancellation of the event. The City may require subcontractors acting on behalf of the Applicant/Event Organizer to provide proof of insurance or other related documents depending on the scope or location of the event.

- Comprehensive listing of all subcontractors, including but not limited to concessionaires, vendors, exhibitors, and entertainers must be submitted no later than forty-five (45) business days prior to the event.
- All certificates of insurance, required extensions to said insurance certificates, copies of insurance policies and insurance agreements must be submitted no later than thirty (30) business days prior to the event.

If insurance requirements are not met at least twenty (20) business days prior to the date of the event, your event will be cancelled!

The City of Apopka defines an Applicant/Event Organizer as any individual or organization that is responsible for all aspects of an event to include advertising, marketing, talent costs, insurance, hold harmless agreement contracts, along with all the revenues and expenses for the event. The Applicant/Event Organizer agrees to conduct this event in accordance with the City of Apopka Code of Ordinances (Chapters 46 and 62).

REQUIREMENTS

- Applicant/Event Organizer recognizes the City's authority to halt the operation of the above listed event due to inclement weather or any other safety concern that may arise.
- The City is not responsible or liable for any damage, loss or theft to any vendor or event participant.
- Applicant/Event Organizer agrees that the City may use photographic images and video taken at the event in promotions and publications. These images may be used online or provided to media outlets and/or used in social media applications.

INSURANCE

Before activity setup, or any other site activity begins, Applicant/Event Organizer must have a Certificate of Liability Insurance **(including all extensions to the insurance certificate—to also include a copy of the complete insurance policy)** on file with the City's Risk Management Division. The cost of such insurance shall be the responsibility of the Applicant/Event Organizer and must meet ALL requirements as directed by the City of Apopka. The City reserves the right to increase coverage as determined for higher risk events or activities. This insurance policy must remain in effect throughout the entire duration of the property use beginning with load-in and ending at the conclusion of load-out.

- Applicant/Event Organizer shall, at its sole cost and expense, procure and maintain throughout the term of this agreement, Commercial General Liability and Workers' Compensation insurance, including Employer Liability insurance, with minimum policy limits of \$1,000,000 Combined Single Limits, or to the extent and in such amounts as required and authorized by Florida Law. If such GL insurance contains a general aggregate limit, it shall apply separately to this event in the amount of \$2,000,000. Products and completed operations aggregate shall be \$1,000,000. Damage to rented premises shall be included at \$100,000. The event Applicant/Event Organizer and their representatives who wish to drive on City property to set up or tear down for events, and/or Food Trucks and/or any vehicle that functions as the workplace or is used to perform

contracted work must provide an Automobile Liability insurance policy in the minimum amount of \$300,000 Combined Single Limit. If alcohol is being served, the Applicant/Event Organizer shall provide evidence of coverage for liquor liability in the minimum amount of \$1,000,000. The insurance policy must not exclude Personal Injury/Advertising Injury, Medical, volunteer coverage or spectator liability.

- All insurance policies shall: 1) provide that the insurance carrier shall not cancel, terminate or otherwise modify the terms and conditions of said policies except upon thirty days written notice to the City's contract administrator; 2) be evidenced by an endorsed Certificate of Insurance generated and executed by a licensed insurance broker, brokerage, or similar licensed insurance professional evidencing such coverage, and naming the City of Apopka as a named additional insured, as well as furnishing the City with a certified copy, or copies, of said insurance policies; and 3) be approved as to form and sufficiency by the City's contract administrator. The original insurance certificate(s) and all extensions to the insurance certificate(s) should be sent to: City of Apopka, Risk Management, 120 East Main Street, Apopka, FL 32703 or e-mailed to riskmanagement@apopka.net. All insurance coverage shall be written with a company having an A.M. Best Rating of at least the "A" category and size category of VIII.
- Applicant/Event Organizer is solely responsible for all applicable policy premiums, deductibles, and/or self-insured retention attached to any required coverages. Said insurance coverages procured by the Applicant/Event Organizer as required herein, including but not limited to any excess and/or umbrella coverages, shall be considered, and the Applicant/Event Organizer 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 the Applicant/Event Organizer as required herein.
- Applicant/Event Organizer shall require and verify that all subcontractors, including but not limited to concessionaires, vendors, exhibitors, and entertainers, maintain insurance meeting all of the requirements stated herein. Furthermore, the insurance policy held by the Applicant/Event Organizer shall have no endorsement(s) restricting, limiting or excluding the subcontractors or work on behalf of the Applicant/Event Organizer by a subcontractor. The Certificate of Insurance submitted by the Applicant/Event Organizer must clearly state that all such subcontractors are "Named Insureds".

Nothing herein shall be construed to extend the City of Apopka's liability beyond that provided in section 768.28, Florida Statutes.

By signing below, I acknowledge that I have read and understand the insurance requirements contained herein. I further understand that my permit application may be declined if I fail to provide the appropriate insurance coverage.

Signature of Applicant



Name of Applicant

Michelle Santoni

Title of Applicant

Director Of Operations Top Select Volleyball Academy

Sponsoring Organization Name

Top Select Volleyball Booster





CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

03/13/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Foresite Sports, Inc. DBA: Eventsured 3553 West Chester Pike #418 Newtown Square, PA 19073	CONTACT NAME: Eventsured Customer Service PHONE (A/C, No, Ext): 888-882-5902 E-MAIL ADDRESS: info@eventsured.com FAX (A/C, No): INSURER(S) AFFORDING COVERAGE INSURER A: Houston Casualty Company INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	NAIC # 42374
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COVERAGES **CERTIFICATE NUMBER:** TM336527 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY ☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR ☒ GEN'L AGGREGATE LIMIT APPLIES PER: ☒ POLICY ☐ PROJECT ☐ LOC	Y		H23SE00155/TM336527	05/05/2024 12:01AM	05/06/2024 2:01AM	EACH OCCURRENCE \$ 1,000,000
	DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000						
	MED EXP (Any one person) \$ 1,000						
	PERSONAL & ADV INJURY \$ 1,000,000						
							GENERAL AGGREGATE \$ 2,000,000
							PRODUCTS - COMP/OP AGG \$ 1,000,000
							DEDUCTIBLE \$ 0
	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ ALL OWNED AUTOS ☐ HIRED AUTOS ☐ SCHEDULED AUTOS ☐ NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$
							BODILY INJURY (Per person) \$
							BODILY INJURY (Per accident) \$
							PROPERTY DAMAGE (Per accident) \$
							\$
	UMBRELLA LIAB EXCESS LIAB ☐ DED ☐ RETENTION \$						EACH OCCURRENCE \$
							AGGREGATE \$
							\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N ☐	N/A				WC STATUTORY LIMITS OTHER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Additional Insureds must be venue managers or municipalities and are added with respect to our insured's operations only. Waiver of Subrogation (WOS) and Primary & Non-Contributory (PNC) wording applies only when coverage is purchased by the insured required by written contract and as indicated below. This coverage is with respect to the Award Presentation to be held on 05/05/2024 - 05/05/2024 with 600 attendees at City of Apopka (Apopka Amphitheater) 120 E Main Street Apopka, FL 32703. Additional Insureds include: City of Apopka (Apopka Amphitheater) ~ 20 E Main Street Apopka, FL 32703; City of Apopka.

CERTIFICATE HOLDER City of Apopka (Apopka Amphitheater) 120 E Main Street Apopka FL, 32703	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
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Consumer's Certificate of Exemption

Issued Pursuant to Chapter 212, Florida Statutes

DR-14
R. 01/18

85-8018480918C-6	08/04/2021	08/31/2026	501(C)(3) ORGANIZATION
Certificate Number	Effective Date	Expiration Date	Exemption Category

This certifies that

TOP SELECT VOLLEYBALL BOOSTER
1101 N KELLER RD STE D
ORLANDO FL 32810-5944

is exempt from the payment of Florida sales and use tax on real property rented, transient rental property rented, tangible personal property purchased or rented, or services purchased.



Important Information for Exempt Organizations

DR-14
R. 01/18

1. You must provide all vendors and suppliers with an exemption certificate before making tax-exempt purchases. See Rule 12A-1.038, Florida Administrative Code (F.A.C.).
2. Your *Consumer's Certificate of Exemption* is to be used solely by your organization for your organization's customary nonprofit activities.
3. Purchases made by an individual on behalf of the organization are taxable, even if the individual will be reimbursed by the organization.
4. This exemption applies only to purchases your organization makes. The sale or lease to others of tangible personal property, sleeping accommodations, or other real property is taxable. Your organization must register, and collect and remit sales and use tax on such taxable transactions. Note: Churches are exempt from this requirement except when they are the lessor of real property (Rule 12A-1.070, F.A.C.).
5. It is a criminal offense to fraudulently present this certificate to evade the payment of sales tax. Under no circumstances should this certificate be used for the personal benefit of any individual. Violators will be liable for payment of the sales tax plus a penalty of 200% of the tax, and may be subject to conviction of a third-degree felony. Any violation will require the revocation of this certificate.
6. If you have questions about your exemption certificate, please call Taxpayer Services at 850-488-6800. The mailing address is PO Box 6480, Tallahassee, FL 32314-6480.

Top Select Volleyball Booster



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Lexi Lahendro – Events Coordinator

events@apopka.net

407-703-1812

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- A site plan (Map) or Parade/Race Route **MUST** be submitted with your application. Map must identify location of staging, tents, parking, barricades, vendors, and restrooms and must be to scale.
- Letter from the property owner granting permission for use of their property. (if on private property)
- If alcohol will be served at your event you must include the alcohol permit and insurance with the completed permit
- Copies of flyers and advertisements.
- Policies and protocols in regards to CDC Guidelines/COVID-19 & social distancing
- All renters and vendors must have a listing with the Florida Department of State Division of Corporations. Visit www.sunbiz.org for more information about the process of registering a business.
- All businesses must also must submit a copy of your Business Tax Receipt for the municipality/county that your business/organization is registered in.

Applicant must be present for duration of event.

Organization Name

Reyes Fitness Professionals

Name of Applicant Andrew Reyes
Mailing Address 1070 Montgomery Road #2286
City Altamonte Springs
State FL
Zip Code 32712
Cell Phone 3214415943
Email theoakcommunityinfo@gmail.com

Is your organization a Non – Profit (501C3) OR Tax Exempt Organization?

No

State of Florida Tax ID Number 82-4767154

Please attach a copy of your Business Tax Receipt for the municipality/county that your business/organization is registered in.



Apopka BTR.pdf

Name of the Event Murph

Date(s) of the Event May 25th, 2024

Hours of the Event 7AM-10AM

Location of the Event Northwest Recreation Complex- BBQ

Does the location of the event take place on Public or Private Property?

Yes

Anticipated attendance: 50

Briefly describe the event and all activities that will occur during the event: Fitness Event

Event Category • Other

Please specify Organized Fitness Event

Are there flyers or advertisements for this event?

No

Will there be admission fees to your event?

No

Will you be serving alcohol?

No

Is your event open to the public?

Yes

Does your event include food concession?

No

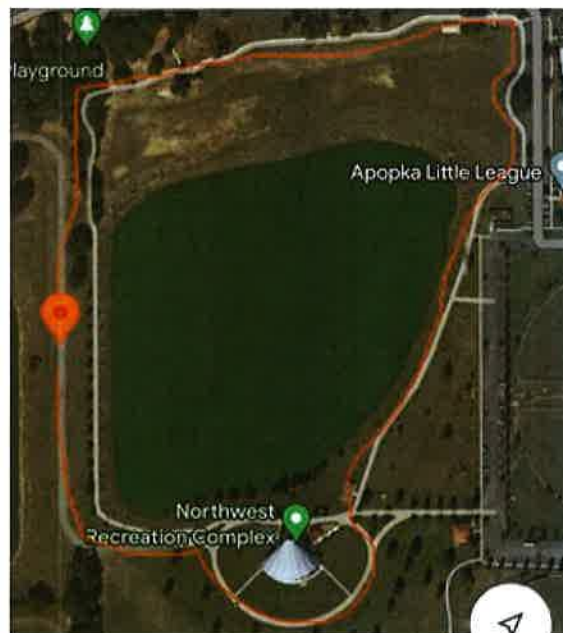
Do you intend to have food trucks at your event?	No
Will there be merchandising vending at your event?	No
Will they need electric?	No
Will you be hiring a private security company for the event?	No
Do you require overnight security?	No
Are there musical entertainment features related to your event?	No
Will amplified sound be used during the event?	Yes
Will any streets be closed or will the flow of traffic be affected by the event?	No
Does your event include the use of tents?	Yes

Please indicate tent location & size on layout. Permits and ground locates may be required.

What size of tents? 10x10

Will inflatables be used at your event?	No
Will your event include any fireworks or pyrotechnics?	No

Layout map for event



Date/Time (on site load in and load out)

For events that are held on City Property, set up days and load out days may require additional fees.

Setup/Load In

Date 05/25/2024
Start Time 6:00 AM (EDT)
End Time 7:00 AM (EDT)

Event Dates

Date 05/25/2024
Start Time 7:00 AM (EDT)
End Time 10:00 AM (EDT)

Take Down/Load Out

Date 05/25/2024
Start Time 10:00 AM (EDT)
End Time 11:00 AM (EDT)

I, Being the Applicant/Event Organizer, have read and understand the guidelines contained within the City of Apopka's Special Event Permit Application and agree to conduct my event in accordance. I further understand that failure to abide by these guidelines may result in the denial or forfeiture of my Special Event Permit.

The City of Apopka is not responsible for lost, stolen or damaged items.

I acknowledge that the information contained in this application is true, correct, and complete to the best of my knowledge.

Applicant Signature



Name of Applicant Andrew J. Reyes
Title of Applicant Owner
Date Submitted 03/12/2024

The Applicant/Event Organizer shall maintain at all times throughout the duration of the event, a current insurance policy naming the City of Apopka as an additional insured providing coverage for all approved event activities and must be active on the date(s) of the event, including the set-up and break-down period. Failure to provide proof of adequate coverage will result in the denial of the special event permit or cancellation of the event. The City may require subcontractors acting on behalf of the Applicant/Event Organizer to provide proof of insurance or other related documents depending on the scope or location of the event.

- Comprehensive listing of all subcontractors, including but not limited to concessionaires, vendors, exhibitors, and entertainers must be submitted no later than forty-five (45) business days prior to the event.
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If insurance requirements are not met at least twenty (20) business days prior to the date of the event, your event will be cancelled!

Please provide a copy of your certificate of insurance.

 The Oak Certificate of Insurance- City of Apopka(2024).pdf

The City of Apopka defines an Applicant/Event Organizer as any individual or organization that is responsible for all aspects of an event to include advertising, marketing, talent costs, insurance, hold harmless agreement contracts, along with all the revenues and expenses for the event. The Applicant/Event Organizer agrees to conduct this event in accordance with the City of Apopka Code of Ordinances (Chapters 46 and 62).

REQUIREMENTS

- Applicant/Event Organizer recognizes the City's authority to halt the operation of the above listed event due to inclement weather or any other safety concern that may arise.
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INSURANCE

Before activity setup, or any other site activity begins, Applicant/Event Organizer must have a Certificate of Liability Insurance **(including all extensions to the insurance certificate—to also include a copy of the complete insurance policy)** on file with the City's Risk Management Division. The cost of such insurance shall be the responsibility of the Applicant/Event Organizer and must meet ALL requirements as directed by the City of Apopka. The City reserves the right to increase coverage as determined for higher risk events or activities. This insurance policy must remain in effect throughout the entire duration of the property use beginning with load-in and ending at the conclusion of load-out.

- Applicant/Event Organizer shall, at its sole cost and expense, procure and maintain throughout the term of this agreement, Commercial General Liability and Workers' Compensation insurance, including Employer Liability insurance, with minimum policy limits of \$1,000,000 Combined Single Limits, or to the extent and in such amounts as required and authorized by Florida Law. If such GL insurance contains a general aggregate limit, it shall apply separately to this event in the amount of \$2,000,000. Products and completed operations

aggregate shall be \$1,000,000. Damage to rented premises shall be included at \$100,000. The event Applicant/Event Organizer and their representatives who wish to drive on City property to set up or tear down for events, and/or Food Trucks and/or any vehicle that functions as the workplace or is used to perform contracted work must provide an Automobile Liability insurance policy in the minimum amount of \$300,000 Combined Single Limit. If alcohol is being served, the Applicant/Event Organizer shall provide evidence of coverage for liquor liability in the minimum amount of \$1,000,000. The insurance policy must not exclude Personal Injury/Advertising Injury, Medical, volunteer coverage or spectator liability.

- All insurance policies shall: 1) provide that the insurance carrier shall not cancel, terminate or otherwise modify the terms and conditions of said policies except upon thirty days written notice to the City's contract administrator; 2) be evidenced by an endorsed Certificate of Insurance generated and executed by a licensed insurance broker, brokerage, or similar licensed insurance professional evidencing such coverage, and naming the City of Apopka as a named additional insured, as well as furnishing the City with a certified copy, or copies, of said insurance policies; and 3) be approved as to form and sufficiency by the City's contract administrator. The original insurance certificate(s) and all extensions to the insurance certificate(s) should be sent to: City of Apopka, Risk Management, 120 East Main Street, Apopka, FL 32703 or e-mailed to riskmanagement@apopka.net. All insurance coverage shall be written with a company having an A.M. Best Rating of at least the "A" category and size category of VIII.
- Applicant/Event Organizer is solely responsible for all applicable policy premiums, deductibles, and/or self-insured retention attached to any required coverages. Said insurance coverages procured by the Applicant/Event Organizer as required herein, including but not limited to any excess and/or umbrella coverages, shall be considered, and the Applicant/Event Organizer 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 the Applicant/Event Organizer as required herein.
- Applicant/Event Organizer shall require and verify that all subcontractors, including but not limited to concessionaires, vendors, exhibitors, and entertainers, maintain insurance meeting all of the requirements stated herein. Furthermore, the insurance policy held by the Applicant/Event Organizer shall have no endorsement(s) restricting, limiting or excluding the subcontractors or work on behalf of the Applicant/Event Organizer by a subcontractor. The Certificate of Insurance submitted by the Applicant/Event Organizer must clearly state that all such subcontractors are "Named Insureds".

Nothing herein shall be construed to extend the City of Apopka's liability beyond that provided in section 768.28, Florida Statutes.

By signing below, I acknowledge that I have read and understand the insurance requirements contained herein. I further understand that my permit application may be declined if I fail to provide the appropriate insurance coverage.

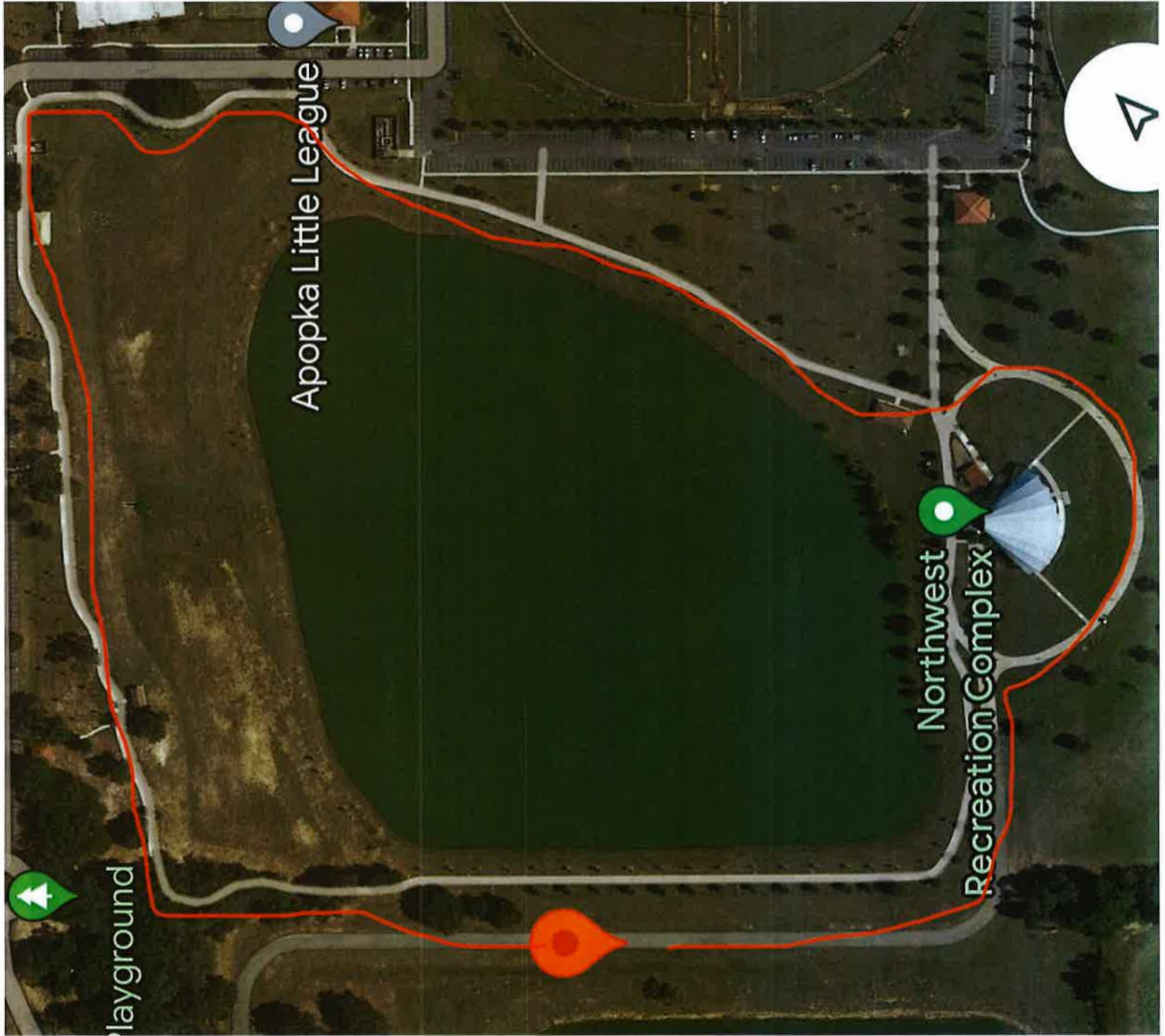
Signature of Applicant



Name of Applicant Andrew J. Reyes

Title of Applicant Owner

Sponsoring Organization Name The Oak



CITY OF APOPKA

120 E Main Street
Apopka, FL 32703
Phone: 407-703-1719, Website: www.Apopka.gov/BTR

Local Business Tax Receipt

BTR ID:	BTR-121	Issued Date:	January 18, 2024
Effective Date:	October 1, 2023	Expiration Date:	September 30, 2024
BTR Type(s):	08H3 - Personal Trainer		

Business Name: Reyes Fitness Professionals LLC DBA The Oak The Oak
Business Location: 633 Mount Stirling Ave APOPKA, FL 32712
Business Registration Number(s): L18000031480

Planning and Zoning Conditions:

Notes: No clients to visit the residence

Please note that this is only verification that you have paid your City of Apopka business tax.

NON-TRANSFERABLE

TO BE PLACED IN A CONSPICUOUS PLACE



For Online
Access



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
03/06/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Insurance Canopy PO Box 34833 North Chesterfield VA 23234		CONTACT NAME: Insurance Canopy Program Support PHONE (A/C, No. Ext): 844-520-6993 FAX (A/C, No): 801-763-1374 E-MAIL: info@insurancecanopy.com ADDRESS:
INSURED Reyes Fitness Professionals, DBA The Oak 1070 Montgomery Road #2286 Altamonte Springs FL 32714		INSURER(S) AFFORDING COVERAGE INSURER A: Great American Alliance Insurance Company NAIC #: 26832 INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS

INSR LTR	TYPE OF INSURANCE	ADDITIONAL SUBROGATION WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY ☒ COMMERCIAL GENERAL LIABILITY ☒ CLAIMS-MADE ☐ OCCUR	☒	PLE974344-CPT140147	02/20/2024	02/20/2025	EACH OCCURRENCE \$ 2,000,000
		DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000				
		MED EXP (Any one person) \$ 5,000				
		PERSONAL & ADV INJURY \$ INCLUDED				
	GEN'L AGGREGATE LIMIT APPLIES PER: ☒ POLICY ☐ PRO-EC ☐ LOC				GENERAL AGGREGATE \$ 3,000,000	
	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ ALL OWNED AUTOS ☐ HIRED AUTOS	☐				PRODUCTS - COM/OP AGG \$ 3,000,000
	☐ SCHEDULED AUTOS ☐ NON-OWNED AUTOS	☐				ANIMAL BAILLEE \$
	UMBRELLA LIAB ☐ EXCESS LIAB	☐				COMBINED SINGLE LIMIT (Ea accident) \$
	☐ OCCUR ☐ CLAIMS-MADE	☐				BODILY INJURY (Per person) \$
	DED RETENTION \$					BODILY INJURY (Per accident) \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICE/ MEMBER EXCLUDED? ☐ Y ☒ N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	☐ N/A				PROPERTY DAMAGE (Per accident) \$
						EACH OCCURRENCE \$
A	Professional Liability	☒	PLE974344-CPT140147	02/20/2024	02/20/2025	INCLUDED
						AGGREGATE \$
						WC STATUTORY LIMITS OTHER
						E.L. EACH ACCIDENT \$
						E.L. DISEASE - EA EMPLOYEE \$
						E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
It is understood and agreed that the Certificate Holder is named as Additional Insured per attached CG 20 26 - Additional Insured - Designated Person or Organization subject to all policy terms, conditions, and exclusions.

CERTIFICATE HOLDER City of Apopka 120 East Main Street Apopka FL 32712	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
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ACORD 25 (2014/01)
INS025 (201401)

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – DESIGNATED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

Schedule

Name of Additional Insured Person(s) or Organization(s):

City of Apopka

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

A. SECTION II - WHO IS AN INSURED is amended to include as an Additional Insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury," "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

1. in the performance of your ongoing operations; or
2. in connection with your premises owned by or rented to you.

However:

1. the insurance afforded to such additional insured only applies to the extent permitted by law; and
2. if coverage provided to the Additional Insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these Additional Insureds, the following is added to SECTION III – LIMITS OF INSURANCE:

If coverage provided to the Additional Insured is required by a contract or agreement, the most we will pay on behalf of the Additional Insured is the amount of insurance:

1. required by the contract or agreement; or
2. available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

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Special Event Permit Application

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 to 90 days prior to the event.

Incomplete applications will not be reviewed. After approval, an estimation of fees forms for your event based on the application and the approval is applicable.

Lexi Lahendro – Events Coordinator

events@apopka.net

407-703-1812

You must submit all required documents with your application.

Special Event Permit Application Checklist

Remember, we suggest that all applications submitted at least 60-90 days prior to the event.

Please review this checklist and make sure you have the items requested below available during this application process.

- Completed Special Event Permit Application
- Event Description
- A non-refundable application fee of \$50.00 or completed application for waiver of permit fee is due when application is submitted. *Staff will contact you about this step.*
- A certificate of general liability insurance listing the "City of Apopka" as 'Additional Insured' must be submitted. Copy of the declaration sheet and endorsement page must be included. Additional insurance may be required, please see the event insurance requirements.
- A site plan (Map) or Parade/Race Route **MUST** be submitted with your application. Map must identify location of staging, tents, parking, barricades, vendors, and restrooms and must be to scale.
- Letter from the property owner granting permission for use of their property. (if on private property)
- If alcohol will be served at your event you must include the alcohol permit and insurance with the completed permit
- Copies of flyers and advertisements.
- Policies and protocols in regards to CDC Guidelines/COVID-19 & social distancing
- All renters and vendors must have a listing with the Florida Department of State Division of Corporations. Visit www.sunbiz.org for more information about the process of registering a business.
- All businesses must also must submit a copy of your Business Tax Receipt for the municipality/county that your business/organization is registered in.

Applicant must be present for duration of event.

Organization Name

RL3 Foundation

Name of Applicant	Tatyana R McCall
Mailing Address	1170 Tree Swallow Dr. #125
City	Winter Springs
State	FL
Zip Code	32708
Cell Phone	3218314779
Email	RL3FOUNDATION@GMAIL.COM
Is your organization a Non – Profit (501C3) OR Tax Exempt Organization?	Yes
State of Florida Tax ID Number	85-8019272219C-8

A copy of your 501C3 non-profit certificate is required for non-profit status. Otherwise taxes will be charged.

Please attach a copy of your 501C3 non-profit certificate

 2023 IRS Final Letter_93-3494665_RL3FOUNDATION_09192023_00.pdf

Please attach a copy of your Business Tax Receipt for the municipality/county that your business/organization is registered in.

 2023_2024 County Business Tax Payment Receipt.pdf

 2023_2024 City Business Tax Payment Receipt.pdf

Name of the Event	Motivation Weekend (three events in one)
Date(s) of the Event	June 1, 2024
Hours of the Event	8AM-2:30PM and 5PM-9PM
Location of the Event	Field of Fame Football Fields and Apopka Amphitheater
Does the location of the event take place on Public or Private Property?	Yes
Anticipated attendance:	600
Briefly describe the event and all activities that will occur during the event:	This is three events in one. Ray Ray's Kids Camp (youth non-contact football camp for elementary and middle school ages). Ballin' Out High School 7v7 Football Tournament. Music Fest featuring local musical talent and DJ. The camp and the tournament will run concurrently in the morning, and the music fest will be in the evening. All events will be family friendly.
Event Category	• Other
Please specify	Football camp & tournament; and music festival
Are there flyers or advertisements for this event?	Yes



Additional Event Information

Additional flyers for each event are being designed. Additionally, there is a fourth event on June 2, 2024 (the CTE Brain Brunch). However, that event is NOT being held at any City of Apopka venue and therefore is NOT included in this application but is referenced on the flyer.

Will there be admission fees to your event?

Yes

Will you be serving alcohol?

No

Is your event open to the public?

Yes

Does your event include food concession?

Yes

Do you intend to have food trucks at your event?

Yes

How many?

5

Will there be merchandising vending at your event?

Yes

How many vendors?

20

Will they need electric?

No

Will you be hiring a private security company for the event?

Yes

Name of Security Company:

TBD

Do you require overnight security?

No

Are there musical entertainment features related to your event?

Yes

Please attach a list of all stage performance schedules.

Will amplified sound be used during the event?

Yes

Will any streets be closed or will the flow of traffic be affected by the event?

No

Does your event include the use of tents?

Yes

Please indicate tent location & size on layout. Permits and ground locates may be required.

What size of tents?

TBD

Will inflatables be used at your event?

No

Will your event include any fireworks or pyrotechnics?

No

Date/Time (on site load in and load out)

For events that are held on City Property, set up days and load out days may require additional fees.

Setup/Load In

Date 06/01/2024

Start Time 6:30 AM (EST)

End Time 3:00 PM (EST)

Event Dates

Date 06/01/2024

Start Time 8:00 AM (EST)

End Time 9:00 PM (EST)

Take Down/Load Out

Date 06/01/2024

Start Time 9:00 PM (EST)

End Time 11:00 PM (EST)

I, Being the Applicant/Event Organizer, have read and understand the guidelines contained within the City of Apopka's Special Event Permit Application and agree to conduct my event in accordance. I further understand that failure to abide by these guidelines may result in the denial or forfeiture of my Special Event Permit.

The City of Apopka is not responsible for lost, stolen or damaged items.

I acknowledge that the information contained in this application is true, correct, and complete to the best of my knowledge.

Applicant Signature



Name of Applicant	Tatyana R McCall
Title of Applicant	Co-Founder / President
Date Submitted	01/30/2024

The Applicant/Event Organizer shall maintain at all times throughout the duration of the event, a current insurance policy naming the City of Apopka as an additional insured providing coverage for all approved event activities and must be active on the date(s) of the event, including the set-up and break-down period. Failure to provide proof of adequate coverage will result in the denial of the special event permit or cancellation of the event. The City may require subcontractors acting on behalf of the Applicant/Event Organizer to provide proof of insurance or other related documents depending on the scope or location of the event.

- Comprehensive listing of all subcontractors, including but not limited to concessionaires, vendors, exhibitors, and entertainers must be submitted no later than forty-five (45) business days prior to the event.
- All certificates of insurance, required extensions to said insurance certificates, copies of insurance policies and insurance agreements must be submitted no later than thirty (30) business days prior to the event.

If insurance requirements are not met at least twenty (20) business days prior to the date of the event, your event will be cancelled!

Please provide a copy of your certificate of insurance.



Certificate of Insurance_Football Camp.pdf

The City of Apopka defines an Applicant/Event Organizer as any individual or organization that is responsible for all aspects of an event to include advertising, marketing, talent costs, insurance, hold harmless agreement contracts, along with all the revenues and expenses for the event. The Applicant/Event Organizer agrees to conduct this event in accordance with the City of Apopka Code of Ordinances (Chapters 46 and 62).

REQUIREMENTS

- Applicant/Event Organizer recognizes the City's authority to halt the operation of the above listed event due to inclement weather or any other safety concern that may arise.
- The City is not responsible or liable for any damage, loss or theft to any vendor or event participant.
- Applicant/Event Organizer agrees that the City may use photographic images and video taken at the event in promotions and publications. These images may be used online or provided to media outlets and/or used in social media applications.

INSURANCE

Before activity setup, or any other site activity begins, Applicant/Event Organizer must have a Certificate of Liability Insurance **(including all extensions to the insurance certificate—to also include a copy of the complete insurance policy)** on file with the City's Risk Management Division. The cost of such insurance shall be the responsibility of the Applicant/Event Organizer and must meet ALL requirements as directed by the City of Apopka. The City reserves the right to increase coverage as determined for higher risk events or activities. This insurance policy must remain in effect throughout the entire duration of the property use beginning with load-in and ending at the conclusion of load-out.

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- Applicant/Event Organizer is solely responsible for all applicable policy premiums, deductibles, and/or self-insured retention attached to any required coverages. Said insurance coverages procured by the Applicant/Event Organizer as required herein, including but not limited to any excess and/or umbrella coverages, shall be considered, and the Applicant/Event Organizer 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 the Applicant/Event Organizer as required herein.
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Nothing herein shall be construed to extend the City of Apopka's liability beyond that provided in section 768.28, Florida Statutes.

By signing below, I acknowledge that I have read and understand the insurance requirements contained herein. I further understand that my permit application may be declined if I fail to provide the appropriate insurance coverage.

Signature of Applicant

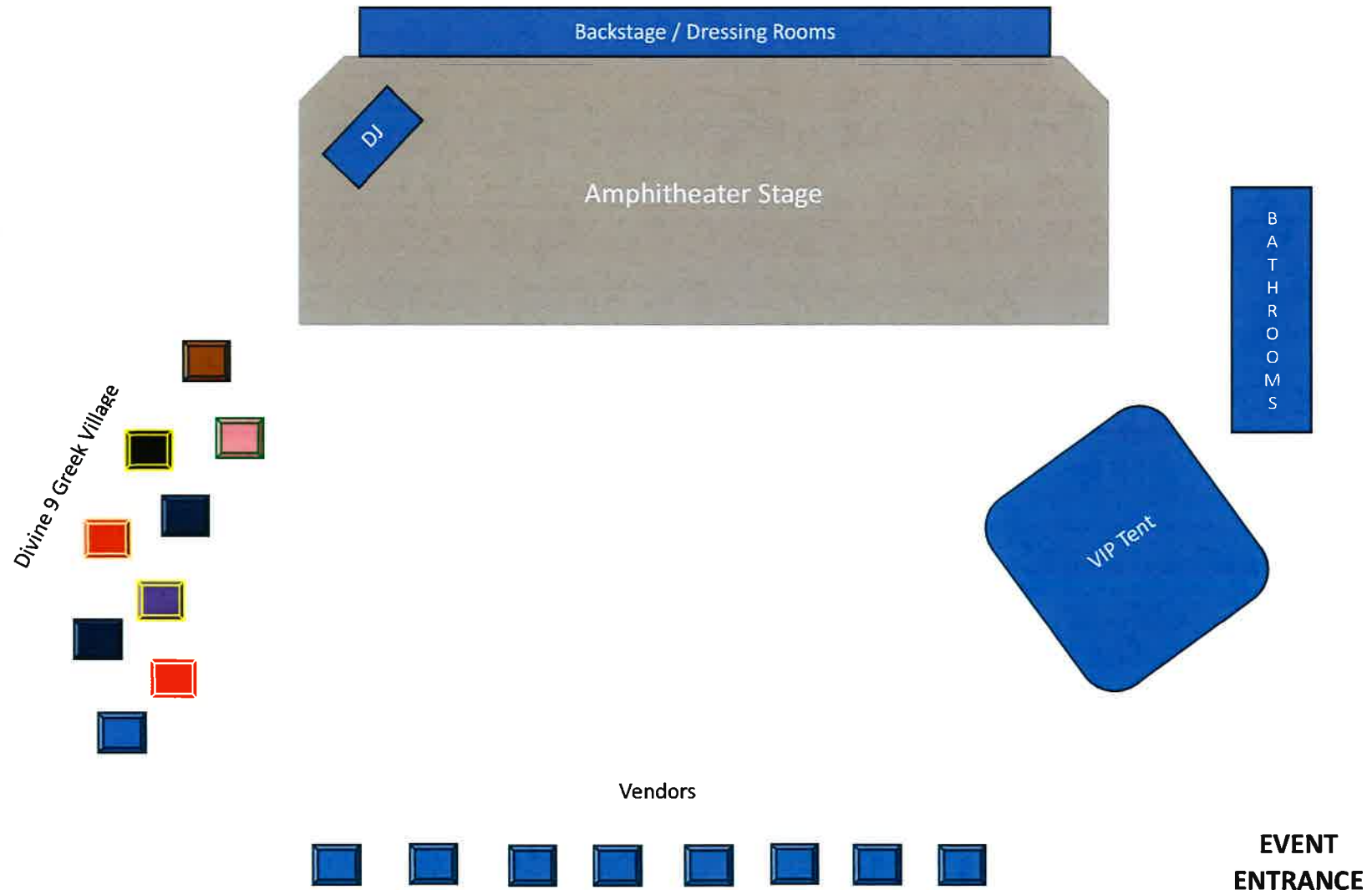


Name of Applicant	Tatyana R McCall
Title of Applicant	Co-Founder / President
Sponsoring Organization Name	RL3 Foundation



RL3 Foundation Motivation Weekend Music Festival Layout

Service Road via **GATE 5** for VIP / Talent Entrance





Department of the Treasury
Internal Revenue Service
Tax Exempt and Government Entities
P.O. Box 2508
Cincinnati, OH 45201

RL3 FOUNDATION
1170 TREE SWALLOW DR - NUM 125
WINTER SPRINGS, FL 32708

Date:
09/29/2023
Employer ID number:
93-3494665
Person to contact:
Name: Customer Service
ID number: 31954
Telephone: 877-829-5500
Accounting period ending:
December 31
Public charity status:
170(b)(1)(A)(vi)
Form 990 / 990-EZ / 990-N required:
Yes
Effective date of exemption:
September 19, 2023
Contribution deductibility:
Yes
Addendum applies:
No
DLN:
26053664005043

Dear Applicant:

We're pleased to tell you we determined you're exempt from federal income tax under Internal Revenue Code (IRC) Section 501(c)(3). Donors can deduct contributions they make to you under IRC Section 170. You're also qualified to receive tax deductible bequests, devises, transfers or gifts under Section 2055, 2106, or 2522. This letter could help resolve questions on your exempt status. Please keep it for your records.

Organizations exempt under IRC Section 501(c)(3) are further classified as either public charities or private foundations. We determined you're a public charity under the IRC Section listed at the top of this letter.

If we indicated at the top of this letter that you're required to file Form 990/990-EZ/990-N, our records show you're required to file an annual information return (Form 990 or Form 990-EZ) or electronic notice (Form 990-N, the e-Postcard). If you don't file a required return or notice for three consecutive years, your exempt status will be automatically revoked.

If we indicated at the top of this letter that an addendum applies, the enclosed addendum is an integral part of this letter.

For important information about your responsibilities as a tax-exempt organization, go to www.irs.gov/charities. Enter "4221-PC" in the search bar to view Publication 4221-PC, Compliance Guide for 501(c)(3) Public Charities, which describes your recordkeeping, reporting, and disclosure requirements.

Sincerely,

Stephen A. Martin
Director, Exempt Organizations
Rulings and Agreements



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

01/29/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

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PRODUCER Foresite Sports, Inc. DBA: Eventsured 3553 West Chester Pike #418 Newtown Square, PA 19073	CONTACT NAME: Eventsured Customer Service PHONE (A/C, No, Ext): 888-882-5902 E-MAIL ADDRESS: info@eventsured.com FAX (A/C, No): INSURER(S) AFFORDING COVERAGE INSURER A: Houston Casualty Company INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	NAIC # 42374
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COVERAGES **CERTIFICATE NUMBER:** TM328796 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY ☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR ☒ GEN'L AGGREGATE LIMIT APPLIES PER: ☒ POLICY ☐ PRO-JECT ☐ LOC	Y		H23SE00155/TM328796	06/01/2024 12:01AM	06/02/2024 2:01AM	EACH OCCURRENCE \$ 1,000,000
	DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000						
	MED EXP (Any one person) \$ 1,000						
	PERSONAL & ADV INJURY \$ 1,000,000						
	GENERAL AGGREGATE \$ 2,000,000						
	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ ALL OWNED AUTOS ☐ HIRED AUTOS ☐ SCHEDULED AUTOS ☐ NON-OWNED AUTOS						PRODUCTS - COMP/OP AGG \$ 1,000,000
	UMBRELLA LIAB EXCESS LIAB DED RETENTION \$						DEDUCTIBLE \$ 0
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory In NH) If yes, describe under DESCRIPTION OF OPERATIONS below						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$ EACH OCCURRENCE \$ AGGREGATE \$ \$ WC STATUTORY LIMITS OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Additional Insureds must be venue managers or municipalities and are added with respect to our insureds operations only. Waiver of Subrogation (WOS) and Primary & Non-Contributory (PNC) wording applies only when coverage is purchased by the insured, required by written contract and as indicated below. This coverage is with respect to the Football Tournament/Event (Excluding Tailgating) to be held on 06/01/2024 - 06/01/2024 with 250 attendees at City of Apopka 120 E Main St. Apopka, FL 32703. Additional Insureds include: City of Apopka 120 E Main St. Apopka, FL 32703; City of Apopka - Apopka Field of Fame / NW Recreational Complex (PNC selected).

CERTIFICATE HOLDER City of Apopka 120 E Main St. Apopka FL, 32703	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
---	--

Thank you for your payment.

An email confirmation will be sent to trm.mde@gmail.com.

Confirmation number

X6585156485

Payment date

Oct 12, 2023, 1:53 PM EDT

Order Summary

Transaction 1

 TAX COLLECTOR

2023 1153301
MCCALL DIVERSIFIED ENTERPRISES LLC

\$ 33.00

The payment will appear on your statement as
"PMT*ORANGE COUNTY TAX COL."

Convenience Fee 

\$ 2.00

[More information](#) on Tax Collector payments

Total \$ 35.00

Transaction Details

VISA Card

VISA ending in 6372

Recipient

Orange County

Paid by

Tatyana R McCall
trm.mde@gmail.com
4073832345



Special Event Permit Application

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 to 90 days prior to the event.

Incomplete applications will not be reviewed. After approval, an estimation of fees forms for your event based on the application and the approval is applicable.

Lexi Lahendro – Events Coordinator

events@apopka.net

407-703-1812

You must submit all required documents with your application.

Special Event Permit Application Checklist

Remember, we suggest that all applications submitted at least 60-90 days prior to the event.

Please review this checklist and make sure you have the items requested below available during this application process.

- Completed Special Event Permit Application
- Event Description
- A non-refundable application fee of \$50.00 or completed application for waiver of permit fee is due when application is submitted. *Staff will contact you about this step.*
- A certificate of general liability insurance listing the "City of Apopka" as 'Additional Insured' must be submitted. Copy of the declaration sheet and endorsement page must be included. Additional insurance may be required, please see the event insurance requirements.
- A site plan (Map) or Parade/Race Route **MUST** be submitted with your application. Map must identify location of staging, tents, parking, barricades, vendors, and restrooms and must be to scale.
- Letter from the property owner granting permission for use of their property. (if on private property)
- If alcohol will be served at your event you must include the alcohol permit and insurance with the completed permit
- Copies of flyers and advertisements.
- Policies and protocols in regards to CDC Guidelines/COVID-19 & social distancing
- All renters and vendors must have a listing with the Florida Department of State Division of Corporations. Visit www.sunbiz.org for more information about the process of registering a business.
- All businesses must also must submit a copy of your Business Tax Receipt for the municipality/county that your business/organization is registered in.

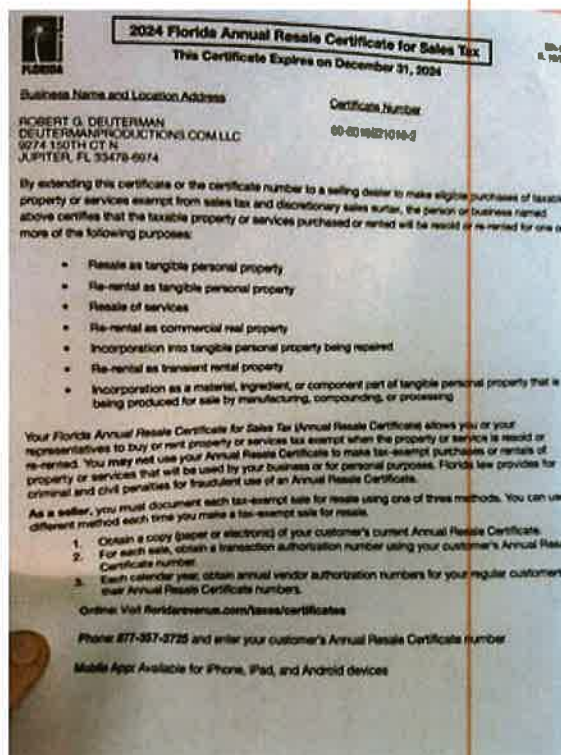
Applicant must be present for duration of event.

Organization Name

Deuterman Productions

Name of Applicant	Robert Deuterman
Mailing Address	9274 150th Ct N
City	Jupiter
State	Fl
Zip Code	33478
Cell Phone	3215085141
Email	deuterman@ineffablemusic.com
Is your organization a Non – Profit (501C3) OR Tax Exempt Organization?	Nc
State of Florida Tax ID Number	60-8018921016-2

Please attach a copy of your Business Tax Receipt for the municipality/county that your business/organization is registered in.



Name of the Event	Country Concert
Date(s) of the Event	June 22 2024
Hours of the Event	5:30p-10p
Location of the Event	The Apopka Amphitheater - 3710 Jason Dwellley Pkwy, Apcpka, FL 32712
Does the location of the event take place on Public or Private Property?	Yes
Anticipated attendance:	4000

Briefly describe the event and all activities that will occur during the event:

Country Concert

Event Category

- Concert Performance

Are there flyers or advertisements for this event?

Yes

Will there be admission fees to your event?

Yes

Will you be serving alcohol?

Yes

Copy of your liquor license & insurance



WR_Liq_Lic_24.pdf

If yes for serving alcohol, a copy of your liquor license & insurance is required.

City Council approval is also required.

Is your event open to the public?

Yes

Does your event include food concession?

Yes

Do you intend to have food trucks at your event?

No

Will there be merchandising vending at your event?

Yes

How many vendors?

2

Will they need electric?

Yes

Additional fees apply for electric use.

Will you be hiring a private security company for the event?

Yes

Name of Security Company:

Gator Gaurds

Do you require overnight security?

Yes

Are there musical entertainment features related to your event?

Yes

Please attach a list of all stage performance schedules.

Please attach a list of all stage performance schedules.



Apopka_Set_Times.pdf

Will amplified sound be used during the event?

Yes

Will any streets be closed or will the flow of traffic be affected by the event?	No
Does your event include the use of tents?	Yes

Please indicate tent location & size on layout. Permits and ground locates may be required.

What size of tents?	10x10, 10x20
Will inflatables be used at your event?	No
Will your event include any fireworks or pyrotechnics?	No

Layout map for event



Date/Time (on site load in and load out)

For events that are held on City Property, set up days and load out days may require additional fees.

Setup/Load In

Date	06/22/2024
Start Time	5:00 AM (EST)
End Time	4:00 PM (EST)

Event Dates

Date	06/22/2024
Start Time	5:30 PM (EST)
End Time	10:00 PM (EST)

Date 06/22/2024
Start Time 10:00 PM (EST)
End Time 10:55 PM (EST)

I, Being the Applicant/Event Organizer, have read and understand the guidelines contained within the City of Apopka's Special Event Permit Application and agree to conduct my event in accordance. I further understand that failure to abide by these guidelines may result in the denial or forfeiture of my Special Event Permit.

The City of Apopka is not responsible for lost, stolen or damaged items.

I acknowledge that the information contained in this application is true, correct, and complete to the best of my knowledge.

Applicant Signature



Name of Applicant Robert Deuterman
Title of Applicant Owner
Date Submitted 03/08/2024

The Applicant/Event Organizer shall maintain at all times throughout the duration of the event, a current insurance policy naming the City of Apopka as an additional insured providing coverage for all approved event activities and must be active on the date(s) of the event, including the set-up and break-down period. Failure to provide proof of adequate coverage will result in the denial of the special event permit or cancellation of the event. The City may require subcontractors acting on behalf of the Applicant/Event Organizer to provide proof of insurance or other related documents depending on the scope or location of the event.

- Comprehensive listing of all subcontractors, including but not limited to concessionaires, vendors, exhibitors, and entertainers must be submitted no later than forty-five (45) business days prior to the event.
- All certificates of insurance, required extensions to said insurance certificates, copies of insurance policies and insurance agreements must be submitted no later than thirty (30) business days prior to the event.

If insurance requirements are not met at least twenty (20) business days prior to the date of the event, your event will be cancelled!

The City of Apopka defines an Applicant/Event Organizer as any individual or organization that is responsible for all aspects of an event to include advertising, marketing, talent costs, insurance, hold harmless agreement contracts,

along with all the revenues and expenses for the event. The Applicant/Event Organizer agrees to conduct this event in accordance with the City of Apopka Code of Ordinances (Chapters 46 and 62).

REQUIREMENTS

- Applicant/Event Organizer recognizes the City's authority to halt the operation of the above listed event due to inclement weather or any other safety concern that may arise.
- The City is not responsible or liable for any damage, loss or theft to any vendor or event participant.
- Applicant/Event Organizer agrees that the City may use photographic images and video taken at the event in promotions and publications. These images may be used online or provided to media outlets and/or used in social media applications.

INSURANCE

Before activity setup, or any other site activity begins, Applicant/Event Organizer must have a Certificate of Liability Insurance **(including all extensions to the insurance certificate—to also include a copy of the complete insurance policy)** on file with the City's Risk Management Division. The cost of such insurance shall be the responsibility of the Applicant/Event Organizer and must meet ALL requirements as directed by the City of Apopka. The City reserves the right to increase coverage as determined for higher risk events or activities. This insurance policy must remain in effect throughout the entire duration of the property use beginning with load-in and ending at the conclusion of load-out.

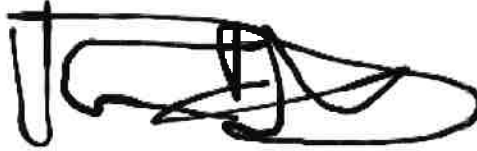
- Applicant/Event Organizer shall, at its sole cost and expense, procure and maintain throughout the term of this agreement, Commercial General Liability and Workers' Compensation insurance, including Employer Liability insurance, with minimum policy limits of \$1,000,000 Combined Single Limits, or to the extent and in such amounts as required and authorized by Florida Law. If such GL insurance contains a general aggregate limit, it shall apply separately to this event in the amount of \$2,000,000. Products and completed operations aggregate shall be \$1,000,000. Damage to rented premises shall be included at \$100,000. The event Applicant/Event Organizer and their representatives who wish to drive on City property to set up or tear down for events, and/or Food Trucks and/or any vehicle that functions as the workplace or is used to perform contracted work must provide an Automobile Liability insurance policy in the minimum amount of \$300,000 Combined Single Limit. If alcohol is being served, the Applicant/Event Organizer shall provide evidence of coverage for liquor liability in the minimum amount of \$1,000,000. The insurance policy must not exclude Personal Injury/Advertising Injury, Medical, volunteer coverage or spectator liability.
- All insurance policies shall: 1) provide that the insurance carrier shall not cancel, terminate or otherwise modify the terms and conditions of said policies except upon thirty days written notice to the City's contract administrator; 2) be evidenced by an endorsed Certificate of Insurance generated and executed by a licensed insurance broker, brokerage, or similar licensed insurance professional evidencing such coverage, and naming the City of Apopka as a named additional insured, as well as furnishing the City with a certified copy, or copies, of said insurance policies; and 3) be approved as to form and sufficiency by the City's contract administrator. The original insurance certificate(s) and all extensions to the insurance certificate(s) should be sent to: City of Apopka, Risk Management, 120 East Main Street, Apopka, FL 32703 or e-mailed to riskmanagement@apopka.net. All insurance coverage shall be written with a company having an A.M. Best Rating of at least the "A" category and size category of VIII.
- Applicant/Event Organizer is solely responsible for all applicable policy premiums, deductibles, and/or self-insured retention attached to any required coverages. Said insurance coverages procured by the Applicant/Event Organizer as required herein, including but not limited to any excess and/or umbrella coverages, shall be considered, and the Applicant/Event Organizer 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 the Applicant/Event Organizer as required herein.
- Applicant/Event Organizer shall require and verify that all subcontractors, including but not limited to concessionaires, vendors, exhibitors, and entertainers, maintain insurance meeting all of the requirements stated herein. Furthermore, the insurance policy held by the Applicant/Event Organizer shall have no endorsement(s) restricting, limiting or excluding the subcontractors or work on behalf of the Applicant/Event

Organizer by a subcontractor. The Certificate of Insurance submitted by the Applicant/Event Organizer must clearly state that all such subcontractors are "Named Insureds".

Nothing herein shall be construed to extend the City of Apopka's liability beyond that provided in section 768.28, Florida Statutes.

By signing below, I acknowledge that I have read and understand the insurance requirements contained herein. I further understand that my permit application may be declined if I fail to provide the appropriate insurance coverage.

Signature of Applicant

A handwritten signature in black ink, appearing to read 'Robert Deuterman', written over a horizontal dashed line.

Name of Applicant Robert Deuterman

Title of Applicant Owner

Sponsoring Organization Name Aluminum Water Foundation



2024 Florida Annual Resale Certificate for Sales Tax

This Certificate Expires on December 31, 2024

DR-13
R. 10/23

Business Name and Location Address

ROBERT G. DEUTERMAN
DEUTERMANPRODUCTIONS.COM.LLC
9274 150TH CT N
JUPITER, FL 33478-6974

Certificate Number

60-8018921016-2

By extending this certificate or the certificate number to a selling dealer to make eligible purchases of taxable property or services exempt from sales tax and discretionary sales surtax, the person or business named above certifies that the taxable property or services purchased or rented will be resold or re-rented for one or more of the following purposes:

- Resale as tangible personal property
- Re-rental as tangible personal property
- Resale of services
- Re-rental as commercial real property
- Incorporation into tangible personal property being repaired
- Re-rental as transient rental property
- Incorporation as a material, ingredient, or component part of tangible personal property that is being produced for sale by manufacturing, compounding, or processing

Your *Florida Annual Resale Certificate for Sales Tax* (Annual Resale Certificate) allows you or your representatives to buy or rent property or services tax exempt when the property or service is resold or re-rented. You **may not** use your Annual Resale Certificate to make tax-exempt purchases or rentals of property or services that will be used by your business or for personal purposes. Florida law provides for criminal and civil penalties for fraudulent use of an Annual Resale Certificate.

As a seller, you must document each tax-exempt sale for resale using one of three methods. You can use a different method each time you make a tax-exempt sale for resale.

1. Obtain a copy (paper or electronic) of your customer's current Annual Resale Certificate.
2. For each sale, obtain a transaction authorization number using your customer's Annual Resale Certificate number.
3. Each calendar year, obtain annual vendor authorization numbers for your regular customers using their Annual Resale Certificate numbers.

Online: Visit floridarevenue.com/taxes/certificates

Phone: 877-357-3725 and enter your customer's Annual Resale Certificate number

Mobile App: Available for iPhone, iPad, and Android devices

BAR ENTERPRISE INC
WHISKEY ROW
77 N WICKHAM RD #18
MELBOURNE FL 32940



ISSUED: 02/15/2023

Always verify licenses online at MyFloridaLicense.com
Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

Ron DeSantis, Governor

Melanie S. Griffin, Secretary

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
DIV OF ALCOHOLIC BEVERAGES & TOBACCO

LICENSE NUMBER: BEV1500080

EXPIRATION DATE: MARCH 31, 2024

THE RETAILER OF ALCOHOLIC BEVERAGES HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 565, FLORIDA STATUTES
SERIES 4COP DUAL LICENSE

WB BAR ENTERPRISE INC
WHISKEY ROW
7777 N WICKHAM RD
18
MELBOURNE FL 32940



ISSUED: 02/15/2023

Always verify licenses online at MyFloridaLicense.com
Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

5:30PM: Gates
6p-6:30p: Support
7p-8p: Support 2
08:30 PM: Headliner
10:00 PM: Curfew





Special Event Permit Application

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 to 90 days prior to the event.

Incomplete applications will not be reviewed. After approval, an estimation of fees forms for your event based on the application and the approval is applicable.

Lexi Lahendro – Events Coordinator

events@apopka.net

407-703-1812

You must submit all required documents with your application.

Special Event Permit Application Checklist

Remember, we suggest that all applications submitted at least 60-90 days prior to the event.

Please review this checklist and make sure you have the items requested below available during this application process.

- Completed Special Event Permit Application
- Event Description
- A non-refundable application fee of \$50.00 or completed application for waiver of permit fee is due when application is submitted. *Staff will contact you about this step.*
- A certificate of general liability insurance listing the "City of Apopka" as 'Additional Insured' must be submitted. Copy of the declaration sheet and endorsement page must be included. Additional insurance may be required, please see the event insurance requirements.
- A site plan (Map) or Parade/Race Route **MUST** be submitted with your application. Map must identify location of staging, tents, parking, barricades, vendors, and restrooms and must be to scale.
- Letter from the property owner granting permission for use of their property. (if on private property)
- If alcohol will be served at your event you must include the alcohol permit and insurance with the completed permit
- Copies of flyers and advertisements.
- Policies and protocols in regards to CDC Guidelines/COVID-19 & social distancing
- All renters and vendors must have a listing with the Florida Department of State Division of Corporations. Visit www.sunbiz.org for more information about the process of registering a business.
- All businesses must also must submit a copy of your Business Tax Receipt for the municipality/county that your business/organization is registered in.

Applicant must be present for duration of event.

Organization Name

Ignite Your Light Ministries, Inc.

Name of Applicant Whitney Lynn
Mailing Address P.O. Box 120814
City Clermont
State FL
Zip Code 34712
Cell Phone 352-809-3817
Email whitneylynnmusic@gmail.com

Is your organization a Non – Profit (501C3) OR Tax Exempt Organization?

Yes

State of Florida Tax ID Number 47-5650345

A copy of your 501C3 non-profit certificate is required for non-profit status. Otherwise taxes will be charged.

Please attach a copy of your 501C3 non-profit certificate



Sun Biz Certificate.pdf

Please attach a copy of your Business Tax Receipt for the municipality/county that your business/organization is registered in.



Certification of IYL Tax Exemption.pdf

Name of the Event Ignite! Latin/Christian Music Crusade

Date(s) of the Event 11/8/2024

Hours of the Event 7:00 pm-9:30 pm

Location of the Event Apopka Amphitheater

Does the location of the event take place on Public or Private Property?

Yes

Anticipated attendance: 350

Briefly describe the event and all activities that will occur during the event:

Ignite Altamonte Springs Latin Christian Music Crusade

Get ready to get hit with the presence of God and Latin music fusion! Apopka will see the Gospel meet performing arts all in one huge movement.

All ages can register for this FREE Christian event on Eventbrite or Facebook Ignite Music Crusades. This music extravaganza is produced by Whitney Lynn and hosted by Ignite Your Light Ministries, Inc. and Whitney Lynn Evangelistic Ministries International.

Get ready for a full-blown concert with original music from American singer/songwriter Whitney Lynn, a 14 Piece Latin Orchestra, Musicians, Latin Singers, Dancers, and Live Prophetic Painting. These acts will hit the stage from all over the globe. There is even a surprise performance for kids ages 1-8 from Princess Estie and friends from the hit Christian Musical TV show, Ignite Your Light Kidz which will include live interaction and dancing.

This is not your typical event, but an Evangelical production geared towards Christians, as well as the lost, the hurting, the broken, abused, condemned, downcast, and even those that would never step foot in a church.

Ignite Music Crusades desires to bring the kingdom of heaven to earth and the glory of God to reach the community. If you need a fresh touch from the Lord, healing, prayer, or inspiration, mark your calendars and gather your church, friends, unsaved loved ones, and co-workers for a memorable night filled with the power and glory of God, and of course incredible original Christian and Latin music that will touch your soul.

Event Category

- Concert Performance

Are there flyers or advertisements for this event?

No

Additional Event Information

There will be a flyer created.

Will there be admission fees to your event?

No

Will you be serving alcohol?

No

Is your event open to the public?

Yes

Does your event include food concession?

No

Do you intend to have food trucks at your event?

No

Will there be merchandising vending at your event?

No

Will they need electric?

Yes

Additional fees apply for electric use.

Will you be hiring a private security company for the event?

No

Do you require overnight security?

No

Are there musical entertainment features related to your event?

No

Will amplified sound be used during the event?

Yes

Will any streets be closed or will the flow of traffic be affected by the event?

No

Does your event include the use of tents?

Yes

Please indicate tent location & size on layout. Permits and ground locates may be required.

What size of tents?

(2) 20X10 For dressing rooms for the performances

Will inflatables be used at your event?

No

Will your event include any fireworks or pyrotechnics?

No

Layout map for event



Date/Time (on site load in and load out)

For events that are held on City Property, set up days and load out days may require additional fees.

Setup/Load In

Date 11/08/2024

Start Time 10:00 AM (EST)

End Time 3:30 PM (EST)

Event Dates

Date 11/08/2024

Start Time 7:00 PM (EST)

End Time 9:30 PM (EST)

Take Down/Load Out

Date 11/08/2024

Start Time 10:00 PM (EST)

End Time 11:45 PM (EST)

I, Being the Applicant/Event Organizer, have read and understand the guidelines contained within the City of Apopka's Special Event Permit Application and agree to conduct my event in accordance. I further understand that failure to abide by these guidelines may result in the denial or forfeiture of my Special Event Permit.

The City of Apopka is not responsible for lost, stolen or damaged items.

I acknowledge that the information contained in this application is true, correct, and complete to the best of my knowledge.

Applicant Signature



Name of Applicant Whitney Lynn

Title of Applicant Ignite! Latin/Christian Music Crusade

Date Submitted 02/23/2024

The Applicant/Event Organizer shall maintain at all times throughout the duration of the event, a current insurance policy naming the City of Apopka as an additional insured providing coverage for all approved event activities and must be active on the date(s) of the event, including the set-up and break-down period. Failure to provide proof of adequate coverage will result in the denial of the special event permit or cancellation of the event. The City may require subcontractors acting on behalf of the Applicant/Event Organizer to provide proof of insurance or other related documents depending on the scope or location of the event.

- Comprehensive listing of all subcontractors, including but not limited to concessionaires, vendors, exhibitors, and entertainers must be submitted no later than forty-five (45) business days prior to the event.
- All certificates of insurance, required extensions to said insurance certificates, copies of insurance policies and insurance agreements must be submitted no later than thirty (30) business days prior to the event.

If insurance requirements are not met at least twenty (20) business days prior to the date of the event, your event will be cancelled!

Please provide a copy of your certificate of insurance.



Cert of Ins - The City of Altamonte Spri.PDF

The City of Apopka defines an Applicant/Event Organizer as any individual or organization that is responsible for all aspects of an event to include advertising, marketing, talent costs, insurance, hold harmless agreement contracts, along with all the revenues and expenses for the event. The Applicant/Event Organizer agrees to conduct this event in accordance with the City of Apopka Code of Ordinances (Chapters 46 and 62).

REQUIREMENTS

- Applicant/Event Organizer recognizes the City's authority to halt the operation of the above listed event due to inclement weather or any other safety concern that may arise.
- The City is not responsible or liable for any damage, loss or theft to any vendor or event participant.
- Applicant/Event Organizer agrees that the City may use photographic images and video taken at the event in promotions and publications. These images may be used online or provided to media outlets and/or used in social media applications.

INSURANCE

Before activity setup, or any other site activity begins, Applicant/Event Organizer must have a Certificate of Liability Insurance **(including all extensions to the insurance certificate—to also include a copy of the complete insurance policy)** on file with the City's Risk Management Division. The cost of such insurance shall be the responsibility of the Applicant/Event Organizer and must meet ALL requirements as directed by the City of Apopka. The City reserves the right to increase coverage as determined for higher risk events or activities. This insurance policy must remain in effect throughout the entire duration of the property use beginning with load-in and ending at the conclusion of load-out.

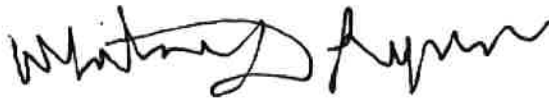
- Applicant/Event Organizer shall, at its sole cost and expense, procure and maintain throughout the term of this agreement, Commercial General Liability and Workers' Compensation insurance, including Employer Liability insurance, with minimum policy limits of \$1,000,000 Combined Single Limits, or to the extent and in such amounts as required and authorized by Florida Law. If such GL insurance contains a general aggregate limit, it shall apply separately to this event in the amount of \$2,000,000. Products and completed operations aggregate shall be \$1,000,000. Damage to rented premises shall be included at \$100,000. The event Applicant/Event Organizer and their representatives who wish to drive on City property to set up or tear down for events, and/or Food Trucks and/or any vehicle that functions as the workplace or is used to perform contracted work must provide an Automobile Liability insurance policy in the minimum amount of \$300,000 Combined Single Limit. If alcohol is being served, the Applicant/Event Organizer shall provide evidence of coverage for liquor liability in the minimum amount of \$1,000,000. The insurance policy must not exclude Personal Injury/Advertising Injury, Medical, volunteer coverage or spectator liability.
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- Applicant/Event Organizer is solely responsible for all applicable policy premiums, deductibles, and/or self-insured retention attached to any required coverages. Said insurance coverages procured by the Applicant/Event Organizer as required herein, including but not limited to any excess and/or umbrella coverages, shall be considered, and the Applicant/Event Organizer 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 the Applicant/Event Organizer as required herein.

- Applicant/Event Organizer shall require and verify that all subcontractors, including but not limited to concessionaires, vendors, exhibitors, and entertainers, maintain insurance meeting all of the requirements stated herein. Furthermore, the insurance policy held by the Applicant/Event Organizer shall have no endorsement(s) restricting, limiting or excluding the subcontractors or work on behalf of the Applicant/Event Organizer by a subcontractor. The Certificate of Insurance submitted by the Applicant/Event Organizer must clearly state that all such subcontractors are "Named Insureds".

Nothing herein shall be construed to extend the City of Apopka's liability beyond that provided in section 768.28, Florida Statutes.

By signing below, I acknowledge that I have read and understand the insurance requirements contained herein. I further understand that my permit application may be declined if I fail to provide the appropriate insurance coverage.

Signature of Applicant



Name of Applicant

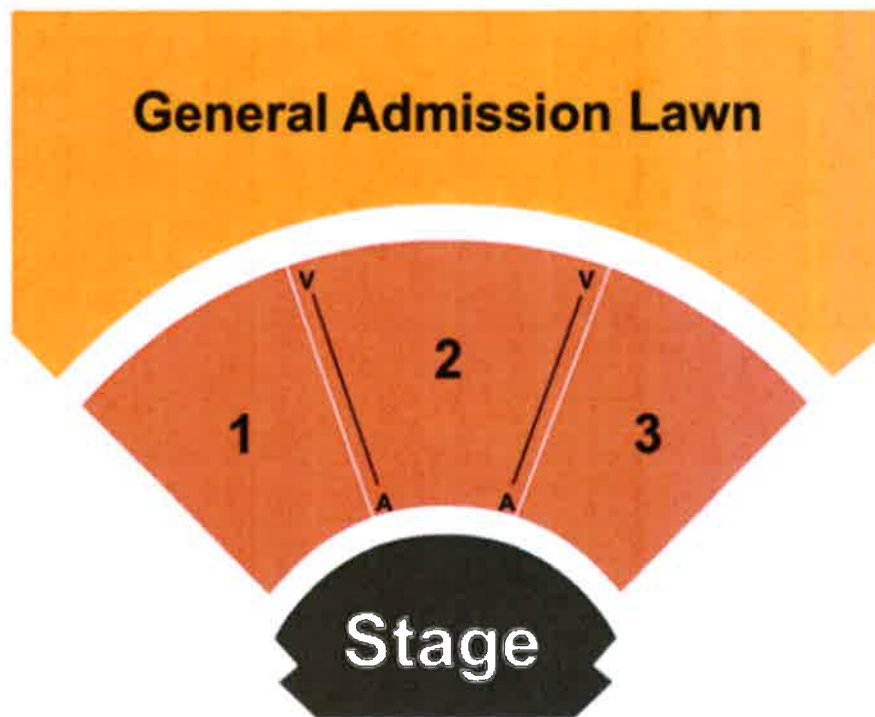
Whitney Lynn

Title of Applicant

Ignite! Latin/Christian Music Crusade

Sponsoring Organization Name

Ignite Your Light Ministries, Inc.





Consumer's Certificate of Exemption

Issued Pursuant to Chapter 212, Florida Statutes

DR-14
R. 01/18

85-8019255733C-2	10/12/2023	10/31/2028	501(C)(3) ORGANIZATION
Certificate Number	Effective Date	Expiration Date	Exemption Category

This certifies that

IGNITE YOUR LIGHT MINISTRIES INC
3004 MARTA CIRCLE APT. 301
CLERMONT FL 34712

is exempt from the payment of Florida sales and use tax on real property rented, transient rental property rented, tangible personal property purchased or rented, or services purchased.



Important Information for Exempt Organizations

DR-14
R. 01/18

1. You must provide all vendors and suppliers with an exemption certificate before making tax-exempt purchases. See Rule 12A-1.038, Florida Administrative Code (F.A.C.).
2. Your *Consumer's Certificate of Exemption* is to be used solely by your organization for your organization's customary nonprofit activities.
3. Purchases made by an individual on behalf of the organization are taxable, even if the individual will be reimbursed by the organization.
4. This exemption applies only to purchases your organization makes. The sale or lease to others of tangible personal property, sleeping accommodations, or other real property is taxable. Your organization must register, and collect and remit sales and use tax on such taxable transactions. Note: Churches are exempt from this requirement except when they are the lessor of real property (Rule 12A-1.070, F.A.C.).
5. It is a criminal offense to fraudulently present this certificate to evade the payment of sales tax. Under no circumstances should this certificate be used for the personal benefit of any individual. Violators will be liable for payment of the sales tax plus a penalty of 200% of the tax, and may be subject to conviction of a third-degree felony. Any violation will require the revocation of this certificate.
6. If you have questions about your exemption certificate, please call Taxpayer Services at 850-488-6800. The mailing address is PO Box 6480, Tallahassee, FL 32314-6480.

IGNITE YOUR LIGHT MINISTRIES INC
PO BOX 120814
CLERMONT FL 34712-0814

2024 FLORIDA NOT FOR PROFIT CORPORATION ANNUAL REPORT

DOCUMENT# N17000006322

Entity Name: IGNITE YOUR LIGHT MINISTRIES, INC

Current Principal Place of Business:

IGNITE YOUR LIGHT MINISTRIES, INC.
P.O. BOX 120814
CLERMONT, FL 34712

Current Mailing Address:

IGNITE YOUR LIGHT MINISTRIES, INC.
P.O. BOX 120814
CLERMONT, FL 34712 US

FEI Number: 47-5650345

Certificate of Status Desired: Yes

Name and Address of Current Registered Agent:

LYNN, WHITNEY
IGNITE YOUR LIGHT MINISTRIES, INC.
P.O. BOX 120814
CLERMONT, FL 34712 US

The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.

SIGNATURE: WHITNEY LYNN	02/07/2024
Electronic Signature of Registered Agent	Date

Officer/Director Detail :

Title PRESIDENT
Name LYNN, WHITNEY
Address IGNITE YOUR LIGHT MINISTRIES, INC.
 P.O. BOX 120814
City-State-Zip: CLERMONT FL 34712

I hereby certify that the information indicated on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am an officer or director of the corporation or the receiver or trustee empowered to execute this report as required by Chapter 617, Florida Statutes; and that my name appears above, or on an attachment with all other like empowered.

SIGNATURE: WHITNEY LYNN	MS.	02/07/2024
Electronic Signature of Signing Officer/Director Detail		Date



[Department of State](#) / [Division of Corporations](#) / [Search Records](#) / [Search by Entity Name](#) /

Detail by Entity Name

Florida Not For Profit Corporation
IGNITE YOUR LIGHT MINISTRIES, INC

Filing Information

Document Number	N17000006322
FEI/EIN Number	47-5650345
Date Filed	05/23/2017
Effective Date	05/23/2017
State	FL
Status	ACTIVE
Last Event	AMENDMENT
Event Date Filed	12/19/2023
Event Effective Date	04/01/2022

Principal Address

Ignite Your Light Ministries, Inc.
P.O. Box 120814
Clermont, FL 34712

Changed: 04/01/2022

Mailing Address

Ignite Your Light Ministries, Inc.
P.O. Box 120814
Clermont, FL 34712

Changed: 04/01/2022

Registered Agent Name & Address

Lynn, Whitney
Ignite Your Light Ministries, Inc.
P.O. Box 120814
Clermont, FL 34712

Name Changed: 02/28/2023

Address Changed: 04/01/2022

Officer/Director Detail

Name & Address

Title President

Lynn, Whitney
Ignite Your Light Ministries, Inc.
P.O. Box 120814
Clermont, FL 34712

Annual Reports

Report Year	Filed Date
2022	04/01/2022
2023	02/28/2023
2024	02/07/2024

Document Images

02/07/2024 -- ANNUAL REPORT	View image in PDF format
02/28/2023 -- ANNUAL REPORT	View image in PDF format
04/01/2022 -- REINSTATEMENT	View image in PDF format
01/19/2020 -- ANNUAL REPORT	View image in PDF format
02/08/2019 -- ANNUAL REPORT	View image in PDF format
03/21/2018 -- ANNUAL REPORT	View image in PDF format
05/23/2017 -- Domestic Non-Profit	View image in PDF format

State of Florida

Department of State

I certify from the records of this office that IGNITE YOUR LIGHT MINISTRIES, INC is a corporation organized under the laws of the State of Florida, filed on May 23, 2017, effective May 23, 2017.

The document number of this corporation is N17000006322.

I further certify that said corporation has paid all fees due this office through December 31, 2023, that its most recent annual report/uniform business report was filed on February 28, 2023, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Twenty-first day of September,
2023*




Secretary of State

Tracking Number: 2151077275CU

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>



Special Event Permit Application

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 to 90 days prior to the event.

Incomplete applications will not be reviewed. After approval, an estimation of fees forms for your event based on the application and the approval is applicable.

Lexi Lahendro – Events Coordinator
events@apopka.net
407-703-1812

You must submit all required documents with your application.

Special Event Permit Application Checklist

Remember, we suggest that all applications submitted at least 60-90 days prior to the event.

Please review this checklist and make sure you have the items requested below available during this application process.

- Completed Special Event Permit Application
- Event Description
- A non-refundable application fee of \$50.00 or completed application for waiver of permit fee is due when application is submitted. *Staff will contact you about this step.*
- A certificate of general liability insurance listing the "City of Apopka" as 'Additional Insured' must be submitted. Copy of the declaration sheet and endorsement page must be included. Additional insurance may be required, please see the event insurance requirements.
- A site plan (Map) or Parade/Race Route **MUST** be submitted with your application. Map must identify location of staging, tents, parking, barricades, vendors, and restrooms and must be to scale.
- Letter from the property owner granting permission for use of their property. (if on private property)
- If alcohol will be served at your event you must include the alcohol permit and insurance with the completed permit
- Copies of flyers and advertisements.
- Policies and protocols in regards to CDC Guidelines/COVID-19 & social distancing
- All renters and vendors must have a listing with the Florida Department of State Division of Corporations. Visit www.sunbiz.org for more information about the process of registering a business.
- All businesses must also must submit a copy of your Business Tax Receipt for the municipality/county that your business/organization is registered in.

Applicant must be present for duration of event.

Organization Name WLF Ventures LLLP

Name of Applicant	Alec Zaitz
Mailing Address	881 W 700 N #102
City	Logan
State	Utah
Zip Code	84321
Cell Phone	3854234452
Email	alec@waterlanternfestival.com

Is your organization a Non – Profit (501C3) OR Tax Exempt Organization?

No

State of Florida Tax ID Number 99-1198390

Please attach a copy of your Business Tax Receipt for the municipality/county that your business/organization is registered in.



FILE_3493.pdf

WLF VENTURES, LLLP

Entity Number: 15816331-0280
 Company Type: Ltd Liability Ltd Partnership - Domestic
 Address: 640 E 550 N Smithfield, UT 84335
 State of Origin:
 Registered Agent: [USAC CAP, L.L.C.](#)
 Registered Agent Address:
 640 E 550 N
 Smithfield, UT 84335

Status: Active

Status: Active as of 02/05/2024
 Renewal By: 02/25/2025

Status Description: Current

The "Current" status represents that a renewal has been filed, within the most recent renewal period, with the Division of Corporations and Commercial Code.

(Employment Verification: Not Registered with [Verisys LLC](#))

History

Registration Date: 02/02/2024

Last Renewed: N/A

Additional Information

NAICS Code: 9999 NAICS Title: 9999 Nonclassifiable Establishment

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[View Filed Documents](#)

Name of the Event	Water Lantern Festival
Date(s) of the Event	5/11/2024
Hours of the Event	5:30pm - 10pm
Location of the Event	Apopka Amphitheater
Does the location of the event take place on Public or Private Property?	Yes
Anticipated attendance:	4000

Briefly describe the event and all activities that will occur during the event:

The Water Lantern Festival is an incredible event that promotes peace, community, connection, and love. It's an awe-inspiring experience that brings together families, friends, and strangers to celebrate our lives, our freedoms, and this beautiful world.

The festival includes local food vendors, music, and the release of water lanterns onto the water at sunset for a 90 minute window. These lanterns include a wooden base, rice paper, and a small flameless light. At the conclusion of the event our staff is committed to retrieving and cleaning up every lantern off the water.

Event Category • Festival/Celebration

Are there flyers or advertisements for this event?

No

Additional Event Information

The Water Lantern Festival team is committed to:

- Coordinate with venue and city managers to ensure their standard safety policies and procedures are in place and functioning.
- Stay in close contact with local authorities in the case of adverse weather conditions.
- Provide instruction to participants regarding the proper way to release lanterns into the water during the event.
- Each event will be adequately staffed with full-time staff supervising the lantern launch as well as local security personnel and local volunteers.
- Each volunteer will be responsible for a pre-assigned segment of the festival launch area and lead volunteers will have access to a dedicated walkie talkie in - the event they need to call for assistance.
- Licensed paramedics will be in attendance and on call at the event.
- Water Lantern Festival maintains a liability insurance policy.
- Work closely with all vendors, volunteers, staff, charity partners, city partners, and others to ensure the safety of everyone involved.

Will there be admission fees to your event?

No

Will you be serving alcohol?

No

Is your event open to the public?

Yes

Does your event include food concession?

Yes

Do you intend to have food trucks at your event?

Yes

How many?

20

Will there be merchandising vending at your event?

Yes

How many vendors?

10

Will they need electric?

No

Will you be hiring a private security company for the event?

No

Do you require overnight security?

No

Are there musical entertainment features related to your event?

No

Will amplified sound be used during the event?

Yes

Will any streets be closed or will the flow of traffic be affected by the event?

No

Does your event include the use of tents?

Yes

Please indicate tent location & size on layout. Permits and ground locates may be required.

What size of tents?

10ft x 10ft

Will inflatables be used at your event?

No

Will your event include any fireworks or pyrotechnics?

No

Layout map for event



Date/Time (on site load in and load out)

For events that are held on City Property, set up days and load out days may require additional fees.

Setup/Load In

Date 05/24/2024

Start Time 11:00 AM (EST)

End Time 3:00 PM (EST)

Event Dates

Date 05/25/2024

Start Time 7:30 PM (EST)

End Time 12:00 AM (EST)

Take Down/Load Out

Date 05/25/2024

Start Time 12:00 AM (EST)

End Time 2:00 AM (EST)

I, Being the Applicant/Event Organizer, have read and understand the guidelines contained within the City of Apopka's Special Event Permit Application and agree to conduct my event in accordance. I further understand that failure to abide by these guidelines may result in the denial or forfeiture of my Special Event Permit.

The City of Apopka is not responsible for lost, stolen or damaged items.

I acknowledge that the information contained in this application is true, correct, and complete to the best of my knowledge.

Applicant Signature



Name of Applicant Alec Zaitz

Title of Applicant Event Coordinator

Date Submitted 02/20/2024

The Applicant/Event Organizer shall maintain at all times throughout the duration of the event, a current insurance policy naming the City of Apopka as an additional insured providing coverage for all approved event activities and must be active on the date(s) of the event, including the set-up and break-down period. Failure to provide proof of adequate coverage will result in the denial of the special event permit or cancellation of the event. The City may require subcontractors acting on behalf of the Applicant/Event Organizer to provide proof of insurance or other related documents depending on the scope or location of the event.

- Comprehensive listing of all subcontractors, including but not limited to concessionaires, vendors, exhibitors, and entertainers must be submitted no later than forty-five (45) business days prior to the event.
- All certificates of insurance, required extensions to said insurance certificates, copies of insurance policies and insurance agreements must be submitted no later than thirty (30) business days prior to the event.

If insurance requirements are not met at least twenty (20) business days prior to the date of the event, your event will be cancelled!

Please provide a copy of your certificate of insurance.



Cert of Ins - City of Apopka.PDF

The City of Apopka defines an Applicant/Event Organizer as any individual or organization that is responsible for all

aspects of an event to include advertising, marketing, talent costs, insurance, hold harmless agreement contracts, along with all the revenues and expenses for the event. The Applicant/Event Organizer agrees to conduct this event in accordance with the City of Apopka Code of Ordinances (Chapters 46 and 62).

REQUIREMENTS

- Applicant/Event Organizer recognizes the City's authority to halt the operation of the above listed event due to inclement weather or any other safety concern that may arise.
- The City is not responsible or liable for any damage, loss or theft to any vendor or event participant.
- Applicant/Event Organizer agrees that the City may use photographic images and video taken at the event in promotions and publications. These images may be used online or provided to media outlets and/or used in social media applications.

INSURANCE

Before activity setup, or any other site activity begins, Applicant/Event Organizer must have a Certificate of Liability Insurance **(including all extensions to the insurance certificate—to also include a copy of the complete insurance policy)** on file with the City's Risk Management Division. The cost of such insurance shall be the responsibility of the Applicant/Event Organizer and must meet ALL requirements as directed by the City of Apopka. The City reserves the right to increase coverage as determined for higher risk events or activities. This insurance policy must remain in effect throughout the entire duration of the property use beginning with load-in and ending at the conclusion of load-out.

- Applicant/Event Organizer shall, at its sole cost and expense, procure and maintain throughout the term of this agreement, Commercial General Liability and Workers' Compensation insurance, including Employer Liability insurance, with minimum policy limits of \$1,000,000 Combined Single Limits, or to the extent and in such amounts as required and authorized by Florida Law. If such GL insurance contains a general aggregate limit, it shall apply separately to this event in the amount of \$2,000,000. Products and completed operations aggregate shall be \$1,000,000. Damage to rented premises shall be included at \$100,000. The event Applicant/Event Organizer and their representatives who wish to drive on City property to set up or tear down for events, and/or Food Trucks and/or any vehicle that functions as the workplace or is used to perform contracted work must provide an Automobile Liability insurance policy in the minimum amount of \$300,000 Combined Single Limit. If alcohol is being served, the Applicant/Event Organizer shall provide evidence of coverage for liquor liability in the minimum amount of \$1,000,000. The insurance policy must not exclude Personal Injury/Advertising Injury, Medical, volunteer coverage or spectator liability.
- All insurance policies shall: 1) provide that the insurance carrier shall not cancel, terminate or otherwise modify the terms and conditions of said policies except upon thirty days written notice to the City's contract administrator; 2) be evidenced by an endorsed Certificate of Insurance generated and executed by a licensed insurance broker, brokerage, or similar licensed insurance professional evidencing such coverage, and naming the City of Apopka as a named additional insured, as well as furnishing the City with a certified copy, or copies, of said insurance policies; and 3) be approved as to form and sufficiency by the City's contract administrator. The original insurance certificate(s) and all extensions to the insurance certificate(s) should be sent to: City of Apopka, Risk Management, 120 East Main Street, Apopka, FL 32703 or e-mailed to riskmanagement@apopka.net. All insurance coverage shall be written with a company having an A.M. Best Rating of at least the "A" category and size category of VIII.
- Applicant/Event Organizer is solely responsible for all applicable policy premiums, deductibles, and/or self-insured retention attached to any required coverages. Said insurance coverages procured by the Applicant/Event Organizer as required herein, including but not limited to any excess and/or umbrella coverages, shall be considered, and the Applicant/Event Organizer 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 the Applicant/Event Organizer as required herein.
- Applicant/Event Organizer shall require and verify that all subcontractors, including but not limited to concessionaires, vendors, exhibitors, and entertainers, maintain insurance meeting all of the requirements stated herein. Furthermore, the insurance policy held by the Applicant/Event Organizer shall have no

endorsement(s) restricting, limiting or excluding the subcontractors or work on behalf of the Applicant/Event Organizer by a subcontractor. The Certificate of Insurance submitted by the Applicant/Event Organizer must clearly state that all such subcontractors are "Named Insureds".

Nothing herein shall be construed to extend the City of Apopka's liability beyond that provided in section 768.28, Florida Statutes.

By signing below, I acknowledge that I have read and understand the insurance requirements contained herein. I further understand that my permit application may be declined if I fail to provide the appropriate insurance coverage.

Signature of Applicant



Name of Applicant

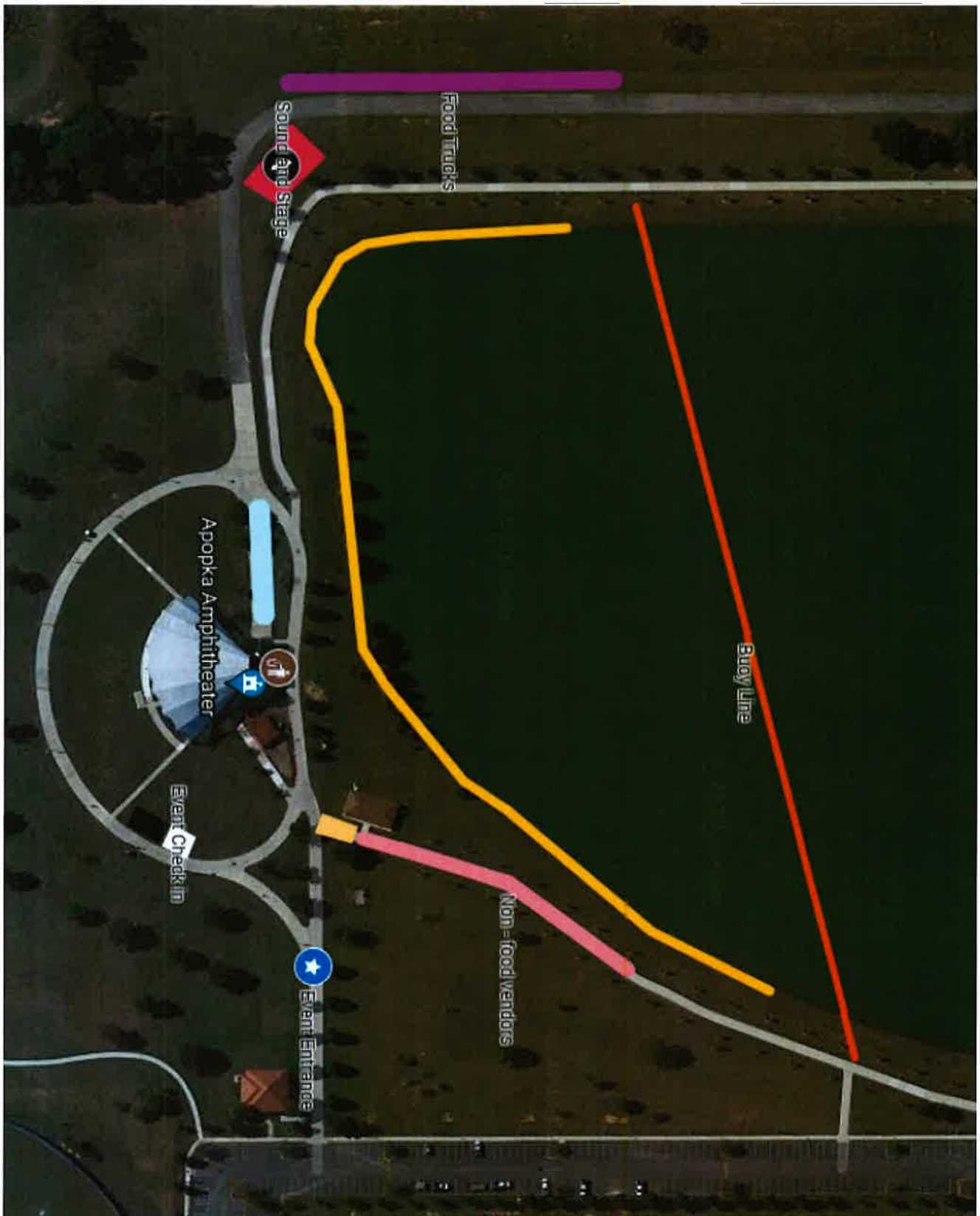
Alec Zaitz

Title of Applicant

Event Coordinator

Sponsoring Organization Name

Water lantern Festival





DEPARTMENT OF THE TREASURY
INTERNAL REVENUE SERVICE
CINCINNATI OH 45999-0023

Date of this notice: 02-07-2024

Employer Identification Number:
99-1198390

Form: SS-4

Number of this notice: CP 575 B

For assistance you may call us at:
1-800-829-4933

WLF VENTURES
WATER LANTERN FESTIVAL
% BURKE MCARTHUR MBR
881 WEST 700 NORTH SUITES 101
LOGAN, UT 84321

IF YOU WRITE, ATTACH THE
STUB AT THE END OF THIS NOTICE.

WE ASSIGNED YOU AN EMPLOYER IDENTIFICATION NUMBER

Thank you for applying for an Employer Identification Number (EIN). We assigned you EIN 99-1198390. This EIN will identify you, your business accounts, tax returns, and documents, even if you have no employees. Please keep this notice in your permanent records.

Taxpayers request an EIN for their business. Some taxpayers receive CP575 notices when another person has stolen their identity and are opening a business using their information. If you did **not** apply for this EIN, please contact us at the phone number or address listed on the top of this notice.

When filing tax documents, making payments, or replying to any related correspondence, it is very important that you use your EIN and complete name and address exactly as shown above. Any variation may cause a delay in processing, result in incorrect information in your account, or even cause you to be assigned more than one EIN. If the information is not correct as shown above, please make the correction using the attached tear-off stub and return it to us.

Based on the information received from you or your representative, you must file the following forms by the dates shown.

Form 1065

03/15/2025

If you have questions about the forms or the due dates shown, you can call us at the phone number or write to us at the address shown at the top of this notice. If you need help in determining your annual accounting period (tax year), see Publication 538, *Accounting Periods and Methods*.

We assigned you a tax classification (corporation, partnership, estate, trust, EPMF, etc.) based on information obtained from you or your representative. It is not a legal determination of your tax classification, and is not binding on the IRS. If you want a legal determination of your tax classification, you may request a private letter ruling from the IRS under the guidelines in Revenue Procedure 2020-1, 2020-1 I.R.B. 1 (or superseding Revenue Procedure for the year at issue). Note: Certain tax classification elections can be requested by filing Form 8832, *Entity Classification Election*. See Form 8832 and its instructions for additional information.

A limited liability company (LLC) may file Form 8832, *Entity Classification Election*, and elect to be classified as an association taxable as a corporation. If the LLC is eligible to be treated as a corporation that meets certain tests and it will be electing S corporation status, it must timely file Form 2553, *Election by a Small Business Corporation*. The LLC will be treated as a corporation as of the effective date of the S corporation election and does not need to file Form 8832.

IMPORTANT REMINDERS:

- * Keep a copy of this notice in your permanent records. This notice is issued only one time and the IRS will not be able to generate a duplicate copy for you. You may give a copy of this document to anyone asking for proof of your EIN.
- * Use this EIN and your name exactly as they appear at the top of this notice on all your federal tax forms.
- * Refer to this EIN on your tax-related correspondence and documents.
- * Provide future officers of your organization with a copy of this notice.

Your name control associated with this EIN is WLFV. You will need to provide this information along with your EIN, if you file your returns electronically.

Safeguard your EIN by referring to Publication 4557, *Safeguarding Taxpayer Data: A Guide for Your Business*.

You can get any of the forms or publications mentioned in this letter by visiting our website at www.irs.gov/forms-pubs or by calling 800-TAX-FORM (800-829-3676).

If you have questions about your EIN, you can contact us at the phone number or address listed at the top of this notice. If you write, please tear off the stub at the bottom of this notice and include it with your letter.

Thank you for your cooperation.

Keep this part for your records.

CP 575 B (Rev. 7-2007)

Return this part with any correspondence so we may identify your account. Please correct any errors in your name or address.

CP 575 B

999999999999

Your Telephone Number Best Time to Call
() -

DATE OF THIS NOTICE: 02-07-2024
EMPLOYER IDENTIFICATION NUMBER: 99-1198390
FORM: SS-4 NOBOD

INTERNAL REVENUE SERVICE
CINCINNATI OH 45999-0023

A standard linear barcode consisting of vertical black bars of varying widths on a white background, used for automated mail sorting.

WLE VENTURES
WATER LANTERN FESTIVAL
% FURKE MCARTHUR MBR
881 WEST 700 NORTH SUITES 101
LOCAN, UT 84321

WLF VENTURES, LLLP

[Update this Business](#)

Entity Number: 13818331-0280

Company Type: Ltd Liability Ltd Partnership - Domestic

Address: 640 E 550 N Smithfield, UT 84335

State of Origin:

Registered Agent: MAC CAP, L.L.C.

Registered Agent Address:

640 E 550 N

Smithfield, UT 84335

[View Management Team](#)

Status: Active

[Purchase Certificate of Existence](#)

Status: Active  as of 02/06/2024

Renew By: 02/28/2025

Status Description: Current

The "Current" status represents that a renewal has been filed, within the most recent renewal period, with the Division of Corporations and Commercial Code.

Employment Verification: Not Registered with Verify Utah

History

[View Filed Documents](#)

Registration Date: 02/02/2024

Last Renewed: N/A

Additional Information

NAICS Code: 9999 **NAICS Title:** 9999-Nonclassifiable Establishment

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

02/29/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Cache Valley Insurance Inc. 94 South Main Suite A. Logan, UT 84321	CONTACT NAME: Shelli Larsen PHONE (A/C, No, Ext): 435 752 4560 E-MAIL ADDRESS: shelli@cachevalleyinsurance.com FAX (A/C, No): (435)753-3909 INSURER(S) AFFORDING COVERAGE INSURER A: Scottsdale Ins. Co. INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	NAIC # 41297
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COVERAGES**CERTIFICATE NUMBER:** 00043137-21012**REVISION NUMBER:** 4

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☒ POLICY ☐ PROJECT ☐ LOC ☐ OTHER:	Y	Y	CPS3402413	02/27/2024	02/27/2025	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000
	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ OWNED AUTOS ONLY ☐ HIRED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	UMBRELLA LIAB ☐ OCCUR EXCESS LIAB ☐ CLAIMS-MADE DED ☐ RETENTION \$ ☐						EACH OCCURRENCE \$ AGGREGATE \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) ☐ If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A				PER STATUTE ☐ OTH-ER ☐ E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: Water lantern festival on 5-11-24

The City of Apopka is listed as additional insured. Coverage is primary non contributory and waiver of subrogation applies. Cancellation is 30 days for non renewal and 10 days for non payment.

CERTIFICATE HOLDER**CANCELLATION**

City of Apopka
Risk Management
120 East Main Street
Apopka, FL 32703

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

(SDL)

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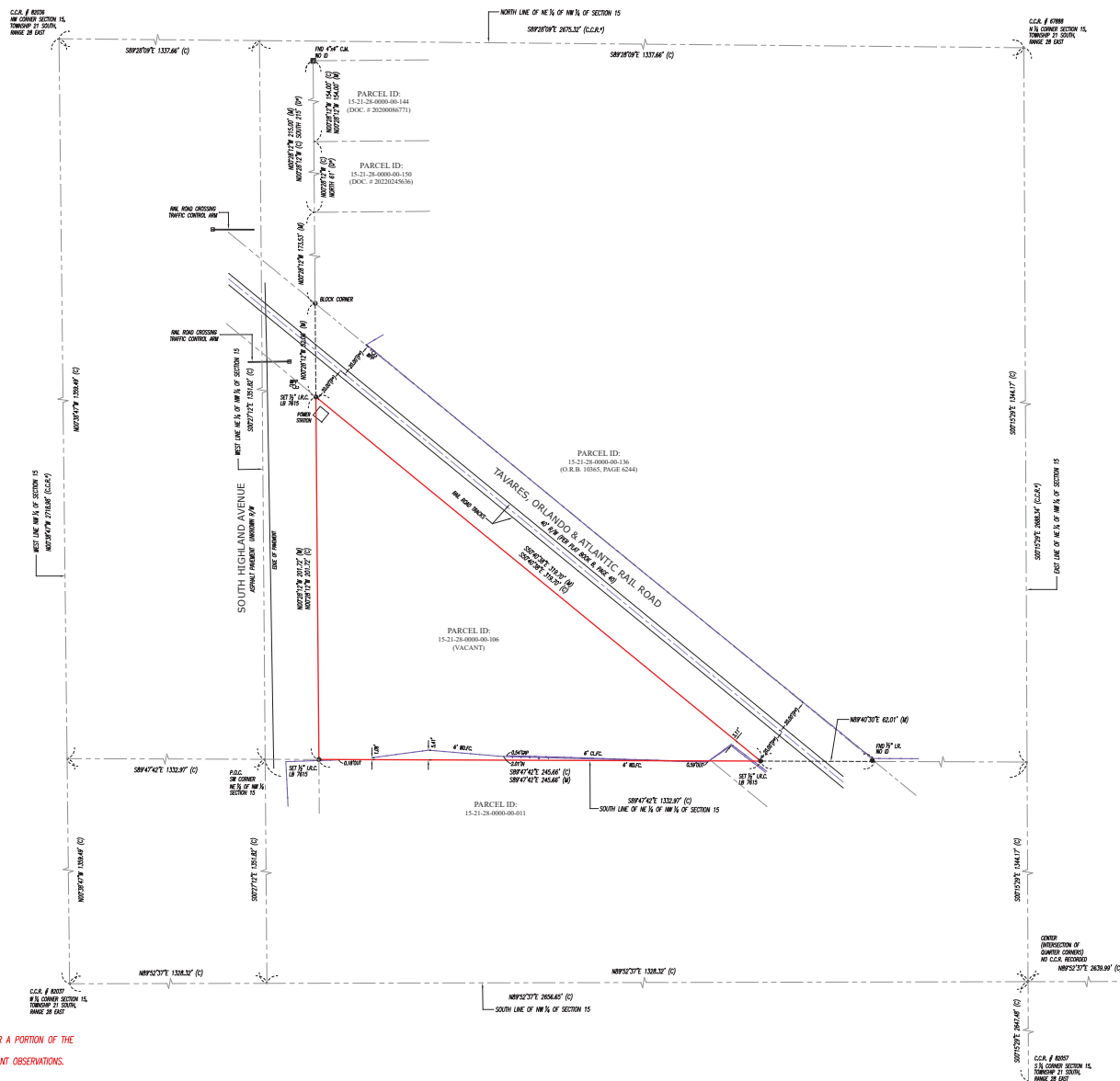
SCALE 1":30'

[illegible]

SURVEY NOTES:

- THERE IS A FENCE ON OR NEAR A PORTION OF THE SOUTH BOUNDARY LINE.
- THERE ARE NO OTHER SIGNIFICANT OBSERVATIONS.

Begin at Southwest corner of Northeast $\frac{1}{4}$ of Northwest $\frac{1}{4}$, run thence East to Rail Road Right-of-Way, thence Northwesterly along Rail Road Right-of-Way to West Line on Northeast $\frac{1}{4}$ of Northwest $\frac{1}{4}$, thence South to Point of Beginning (reference 718/491) in Section 15-21-28, of Public Records of Orange County, Florida.



A photograph of a vacant, sandy lot with sparse vegetation and trees in the background. The lot is mostly bare sand with some small green plants and weeds. In the background, there are several trees, including a large palm tree on the right and a large deciduous tree on the left. A wooden fence is visible in the distance behind the trees. The sky is overcast.

Certified to/ for the exclusive use of:
Joe Lewis

Flood Insurance Rate Map:
Community Number: 120180 Panel: 0120
Suffix "H" Flood Insurance Rate Map
Dated September 24, 2021 Flood Zone: "X"
Map ID: 12095C0120H

Basis of Bearing:
Bearings shown hereon are based on the SOUTH
Line of the NE ¼ of NW ¼ of Section 15, being
S 89°47'42" E. PER CERTIFIED CORNER RECORDS (C.C.R.*)

1. Legal Description provided by others
2. The lands shown hereon were not abstracted for easements or other recorded encumbrances not shown on the Plat
3. The underground portions of buildings, foundations or other improvements were not located.
4. Wall lines are at the face of the wall and are not to be used to reconstruct boundaries.
5. Only visible encroachments located.
6. No identification found on property corners unless otherwise shown.
7. Dimensions shown are flat and measured unless otherwise shown.
8. Fence ownership not determined.
9. This survey depicted here forms a closed geometric figure.
10. Underground improvements or visible installations have been located other than shown.
11. This survey is prepared for the exclusive use and benefit of the parties listed hereon liability to third parties may be transferred or assigned.
12. This survey may not be accurate due to electronic error.
13. This survey does not reflect or determine ownership.
14. Fence corners and building corners are witness monuments to constructed corners.
15. Subject to any dedication, limitations, restrictions, reservations, and/or easement of record no examination of title made by Surveyor.
16. This Survey is not an ALTA/ACSM and The Surveyor
17. This survey prepared without the benefit of a commitment for Title Insurance. The flood data provided is for informational purposes only. The Surveyor makes no guarantees as to the accuracy of the information provided. The local FEMA Agency should be contacted for flood data.
18. This Survey is intended for mortgage or refinance purposes only. Exclusively for the use by those to whom it is capped. This Survey is not to be used for Commercial Lending, Refinancing, or any other use without the written consent of LEORON GROUP SURVEYING AND MAPPING CORP. PHOTOGRAPHING FORBIDDEN. COPYRIGHTED MATERIAL.
19. The Surveyor has no liability on monumentation and or occupation as found in field, other matters not known to this Survey at time of survey may affect Boundary lines shown hereon.
20. (C.I.P.S.) = GENOTES a bearing and distance measured from located or plotted boundary line to the section monumentation line (GenNote from located or plotted

THIS SURVEY MEETS THE "STANDARDS OF PRACTICE" AS REQUIRED BY CHAPTER 5J-17, BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS, PURSUANT TO SECTION 472.027 OF THE FLORIDA STATUTES.



CODE:951HIGH/LAND/WE20230950 DATE: MAY 19, 2023
HECTOR LEBRON PSM #6634 JOSE R. NEGRON PSM#6850
Professional Surveyor and Mapper Professional Surveyor and Mapper
NOT VALID WITHOUT AN AUTHENTICATED ELECTRONIC SIGNATURE AND AUTHENTICATED (RAISED)
ELECTRONIC SEAL OF THIS FLORIDA LICENSED SURVEYOR AND MAPPER.

LEB/ON GROUP LICENSE BUSINESS #7615



dd

[illegible]

ADDRESS: 951 SOUTH HIGHLAND AVENUE,
APOKA FLORIDA 32703

DATE: 04/28/2023	
DRAWN: EJMR	
CHECKED: H.L.	
FIELD:	
JOB NO. 2023- 0950	SHEET 1

MINOR DEVELOPMENT PLAN
BLUE JAY ACADEMY 4 KIDZ
229 E 5TH STREET
APOPKA FL 32703

PARCEL ID: 28-21-09-0196-0190

NOVEMBER 2023

PROJECT TEAM:

DEVELOPER:
TANIA ROSARIO
BLUE JAY ACADEMY 4 KIDZ
229 E 5TH STREET
APOPKA, FL 32703
TANIA.ROLSARIO14@GMAIL.COM
407-437-1602

CIVIL ENGINEER:
LAURENCE POLNER
RCE CONSULTANTS, LLC
617 ARVERN DRIVE
ALTA MONTE SPRINGS, FL 32701



VICINITY MAP
N.T.S.



AERIAL MAP
N.T.S.

SHEET INDEX

SHEET	DESCRIPTION
C-1	COVER SHEET
C-2	GENERAL NOTES
C-3	SITE PLAN
C-4	LANDSCAPE PLAN
C-5	EROSION CONTROL PLAN
C-6	EROSION CONTROL DETAILS
C-7	GENERAL DETAILS
S-1	BOUNDARY/TOPOGRAPHIC SURVEY

UTILITY SERVICE PROVIDERS

POTABLE WATER
NON-POTABLE WATER
WASTEWATER
POWER
TELECOMMUNICATIONS
GAS

CITY OF APOPKA
CITY OF APOPKA
CITY OF APOPKA
DUKE ENERGY
SPECTRUM
LAKE APOPKA

LEGAL DESCRIPTION:

CHAMPNEY PORTION TOWN OF APOPKA A/87 THE E 30F OF LOT 18 AND ALL OF LOT 19 BLK F



RCE CONSULTANTS, LLC

617 ARVERN DRIVE
ALTA MONTE SPRINGS, FL 32701
LARRY@RCECONSULTANTS.NET

REV.	DATE	DESCRIPTION
1	12/13/2023	CITY OF APOPKA COMMENTS
2		
3		
4		
5		
6		
7		
8		
9		
10		

229 E 5TH STREET

COVER SHEET

DRAWN:
DM

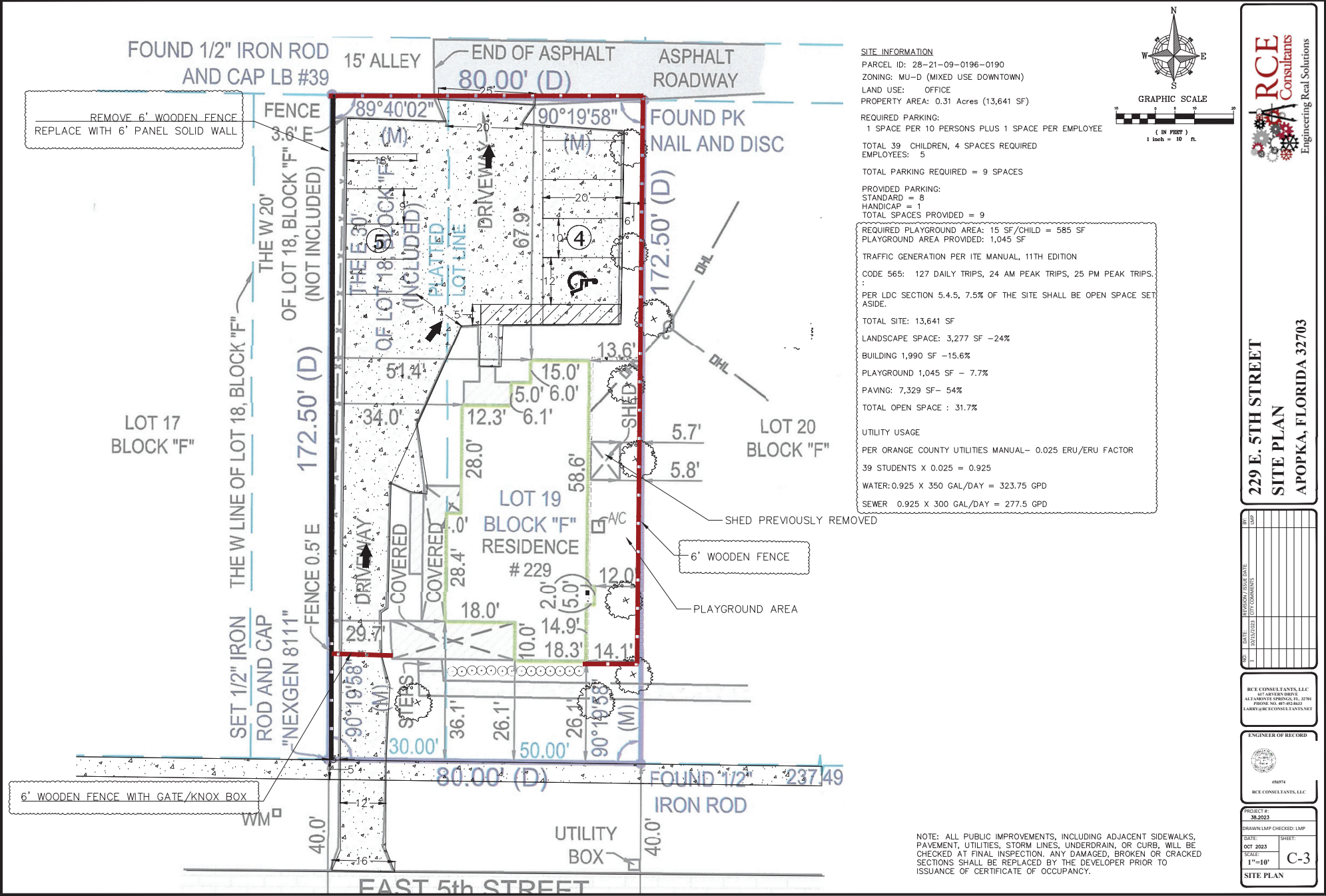
DESIGNED:
LMP

PROJECT NO.
38.2023

DATE:
11/5/2023



Lawrence Polner
456974
RCE CONSULTANTS, LLC
Certificate of Authorization 25087



RCE
Consultants
Engineering Real Solutions

**229 E. 5TH STREET
ALTERNATIVE LANDSCAPE PLAN
APOPKA, FLORIDA 32703**

QTY.	ABBREV.	BOTANICAL NAME	COMMON NAME	SIZE & SPECIFICATION
3	LI	Lagerstroemia indica	Crape myrtle	3" Cal., 10' Ht. x 4' Sprd.
17	SB	Spartina bakeri	Cord Grass	30" Min. Ht., 3 Cal., 36" O.C.

SHRUB DETAIL

Scale: N.T.S.

PLAN
 120°
 120°
 120°
 (WIRE LOCATION)

PROTECT TREE WITH 1/2" DIA. BLACK RUBBER HOSE ABOVE FIRST MAIN LIMBS

FINISHED GRADE

NOTE:
 CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITTS PRIOR TO INSTALLATION

Labels:
 MULCH, 3" MIN., 1" OVER ROOTBALL TYP.
 SOIL BERM TO HOLD WATER, 6" MIN.
 PREPARE PLANTING SOIL AS SPECIFIED
 #10 GAUGE WIRE 2"x14"x13" STAKES BURIED 3" BELOW SURFACE W/ HT. PLASTIC FLAG
 WHITE PLASTIC FLAG ABOVE GALV. TURNBUCKLE 4"-0" ABOVE GROUND, TYP.
 MULCH, 3" MIN., 1" OVER ROOTBALL TYP.
 SOIL BERM TO HOLD WATER, 6" TYP.
 PREPARE PLANTING SOIL AS SPECIFIED
 6" CLEAN COURSE BUILDERS SAND

Scale: N.T.S.

1. All landscaped areas shall be irrigated with a permanent automatic irrigation system providing 100% coverage.
2. An automatic moisture sensor/shutoff shall be part of the system.
3. All tree, shrub, and groundcover material proposed for this site is medium to low water use. Micro or drip irrigation will be installed in these beds.

Technical drawing of a disabled parking sign and its base. The sign is 12" wide and 18" high. It features a wheelchair symbol and the text "PARKING BY DISABLED PERMIT ONLY" and "\$50 FINE F.S. 316.1959". The sign is mounted on a 3" GALVANIZED STEEL PIPE PAINTED YELLOW. The base is a concrete structure with a 1" SLOPE and a 5/8" x 8" STEEL BAR THRU POST. The base is 18" DIA. and 6" high. The drawing includes dimensions and callouts for materials and construction details.

The diagram illustrates a proposed construction for a road shoulder and edge of thru-lane. It shows a cross-section of the road with a 12" wide shoulder. The existing asphalt is shown with a dashed line indicating the edge of the thru-lane. The proposed construction includes a new base edge of existing pavement, which is 12" wide. The new surface is shown with a dashed line. The diagram also indicates the application of prime or tack materials as necessary. The diagram is labeled with 'PC OR PT OF RADIUS RETURN' at the top and bottom, and 'EDGE OF THRU-LANE' on the left. The proposed construction is labeled 'PROPOSED CONSTRUCTION' in the center. The new surface is labeled 'NEW SURFACE' and the new base edge of existing pavement is labeled 'NEW BASE EDGE OF EXIST PAVEMENT'. The application of prime or tack materials is labeled 'APPLY PRIME OR TACK MATERIALS AS NECESSARY'.

Technical drawing of a bollard detail showing a cross-section of a bollard installed in a concrete base. The bollard has a rounded cap and is surrounded by a concrete collar. The drawing includes dimensions and material specifications.

Dimensions and specifications:

- 8" MIN. CLIP-D.I.P. OR STEEL PIPE
- CONCRETE FILLED
- PAINTED ORSA SAFETY YELLOW
- 6" MIN.
- CONCRETE PAD
- 24" DIA. MIN. 5000 PSI CONCRETE
- 3'-0" MIN.
- 1'-0" MIN.
- 3'-0" MIN.
- 1'-0" MIN.

BOLLARD DETAIL
N.T.S.

SEM. CO. FEB 2014

BOLLARD DETAIL
N.T.S.

[illegible]

A cross-sectional diagram of a three-layer pavement structure. The top layer is labeled 'PAVEMENT' and is filled with a diagonal hatching pattern. Below it is the 'BASE' layer, filled with a different diagonal hatching pattern. The bottom layer is the 'SUB-BASE' layer, filled with a third diagonal hatching pattern. Arrows point from the labels to their respective layers.

	1-1/4"	TYPE S-9.5 ASPHALTIC CONCRETE
BASE COURSE	6	CRUSHED CONCRETE 98% DENSITY STANDARD PROCTOR PER ASTM D-558
SUB-BASE	12"	STABILIZED SUBBASE WITH MIN. (FBV) OF 75 PSI

A cross-sectional diagram of a pavement structure. It consists of three distinct layers. The top layer is labeled 'PAVEMENT' and is filled with a diagonal hatching pattern. Below it is a layer labeled 'BASE', also with a diagonal hatching pattern. The bottom layer is labeled 'SUB-BASE' and is filled with a different diagonal hatching pattern. Arrows point from the text labels to their respective layers.

	6"	4,000 PSI CONCRETE
BASE COURSE	6	CRUSHED CONCRETE 98% DENSITY STANDARD PROCTOR PER ASTM D-558
SUB-BASE	10"	STABILIZED SUBBASE WITH MIN. (FBV) OF 75 PSI

The diagram illustrates the construction of a concrete sidewalk with expansion and struck joints. The top section shows a plan view of the sidewalk with a width of 4' and a length of 40'-0" with a 4' wide sidewalk. The maximum width is 50'-0" with a 5' or wider sidewalk. The sidewalk is divided into sections by expansion joints and struck joints. The bottom section shows a cross-section of the sidewalk with a broom finish on top. The expansion joint is shown as a vertical line with a 1/2" expansion joint full depth. The struck joint is shown as a vertical line with a 1/4" depth and a D/W ratio.

NOTES:

1. SIDEWALK EXPANSION JOINTS TO BE AT ALL TIES TO CONCRETE OTHER THAN DRIVEWAYS. MAXIMUM SPACING SHALL BE 60'.
2. EXPANSION JOINT MATERIAL SHALL BE ASPHALT FIBER IMPREGNATED PREFORMED JOINT FILLER, TO FILL DEPTH OF CONCRETE.



RCE
Consultants
Engineering Real Solutions

**229 E 5TH STREET
CONSTRUCTION DETAILS
APAOPKA, FLORIDA**

[illegible]

RCE CONSULTANTS, LLC
617 ARVERN DRIVE
TAMONTE SPRINGS, FL. 32701
PHONE NO. 407-452-8633
LARRY@RCECONSULTANTS.NET

Engineer of Record



RCE CONSULTANTS, LLC

PROJECT #: 10-0003

RAWN:LMP CHECKED: LMP

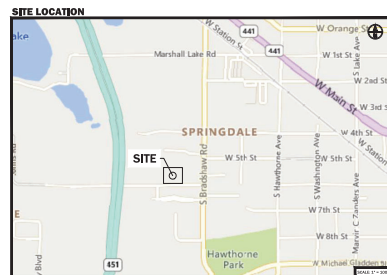
DATE:	SHEET:
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JULY 2021 670

SCALE:	C-7.0
N/A	

N/A	
CONSTRUCTION	

CONSTRUCTION DETAILS



LEGAL DESCRIPTION FROM SURVEY PREPARED BY MCMAHON SURVEYING AND MAPPING LLC, DATED 09/24/22:
LOT 3, JOAN ROAD COMMERCIAL PARK, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 13, PAGE 26, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

529 JOHNS ROAD
CITY OF APOPKA, FL
SITE CONSTRUCTION PLANS
PARCEL ID #'S 09-21-28-3986-00-030 &
09-21-28-5233-00-001

PROJECT TEAM:

DEVELOPER / APPLICANT / OWNER

MCNULTY GROUP, INC.
2315 LYNN LANE SUITE 6
ORLANDO, FL 32804
EMAIL: CAMO@TTCHEARTHS.COM

CONCLUSION

WITTER CO., LLC
c/o JAMES COOPER & ASSOC.

460 HONEY CROFT LANE
MAITLAND, FL 32751
PHONE: (407) 436-7976

PHONE: (407) 426-7276
EMAIL: GARTH@FITTERCAL.COM

SUBVOCAL

McMAHON SURVEYING & MAPPING
1890 TELL CREEK ROAD

DELAND, FL 32720
PHONE: (407) 266-2066

DANIEL THOMAS MORRISON-SERVEN

DRAWING INDEX

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GENERAL NOTES	C2.0 - C2.1
EXISTING CONDITIONS PLAN	C3.0
SEDIMENTATION & EROSION CONTROL PLAN	C4.0 - C4.1
PAVING, GRADING & DRAINAGE PLAN	C5.0

PREPARED BY:

CRITTER CIVIL
ENGINEERING - PLANNING

PREPARED FOR:

MCNULTY GROUP

COVER SHEET

02/02/2024 - FOR REVIEW
03/05/2024 - REBUTED WITH AMPCPA COMMENTS



DATE: _____
BY: _____
SHEET: _____

C1.0

ISSUE DATE: 03/02/2024 - 10:00 REVIEW



Professional Engineer
State of Texas
No. 10488
Exp. 09/01/2025

DATE: 03/02/2024
TIME: 10:00
PROJECT: C2.0

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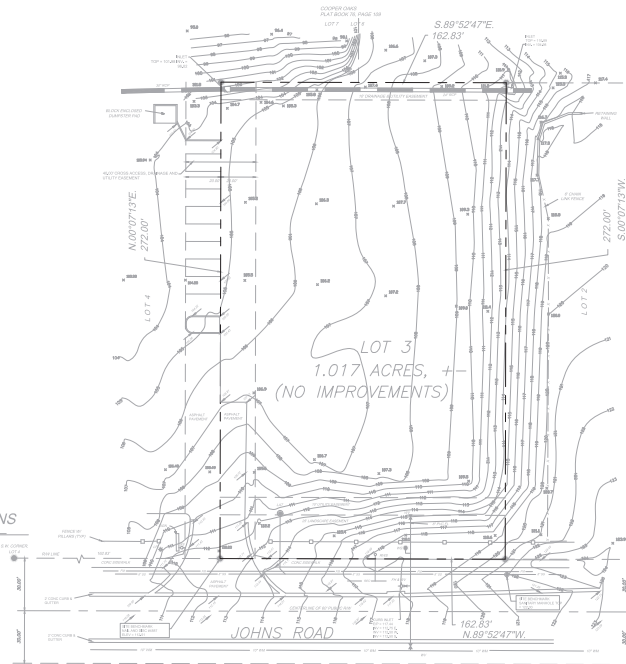
SECTION 9, TOWNSHIP 21 SOUTH, RANGE 28 EAST
CITY OF APOPKA, ORANGE COUNTY, FLORIDA



CONC = CONCRETE
R/W = RIGHT-OF-WAY
LP = LIGHT POLE
SS = STOP SIGN
TM = STOP TRANSFORMER
AL = DRAINAGE INLET
B = 1" POLY BUTER LINE
CHW = CHIMNEY WIPES
F.F.E. = FINISHED FLOOR ELEVATION
BFP = BACK FLOW PREVENTER
P.O.B. = POINT OF BEGINNING

⊗ = SET 5/8" IRON ROD (4800)
UNLESS NOTED OTHERWISE

WM = WATER METER
WMV = REGULAR WATER METER
CD = 6" GAGE VALUE
CO = SANITARY CLEOUTOUT
SHP = 4" PVC SANITARY SERVICE
RCP = REINFORCED CONC PIPE



1. *Shavings listed on the S, 5/4 of the S.R. 5/4 of Section 9-27-01 in lot 10, 100°52'47" (assumed).*
2. *Underground improvements not located, except as shown.*
3. *Subject to easements and restrictions of record, no Title provided.*
4. *Subject property lies in Zone "X" per Flood Insurance Rate Map Parcel number 030903000001, dated 0/4/2007, and lies outside the 100-year flood plain.*
5. *Date of field survey: 9/24/09.*
6. *Elevation shown hereon based on Orange County Benchmarks 85.0361/0302, nearest to the National Geodetic Vertical Datum of 1989. NGVD 89 is being used in order to match the National Geodetic datum. Please of record. The datum is NGVD 89 at 0.01 foot.*

PREPARED BY:

RITTER CIVIL
ENGINEERING & PLANNING
850 PINE CROFT LANE NORTH, FL 32763

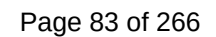
PREPARED FOR:

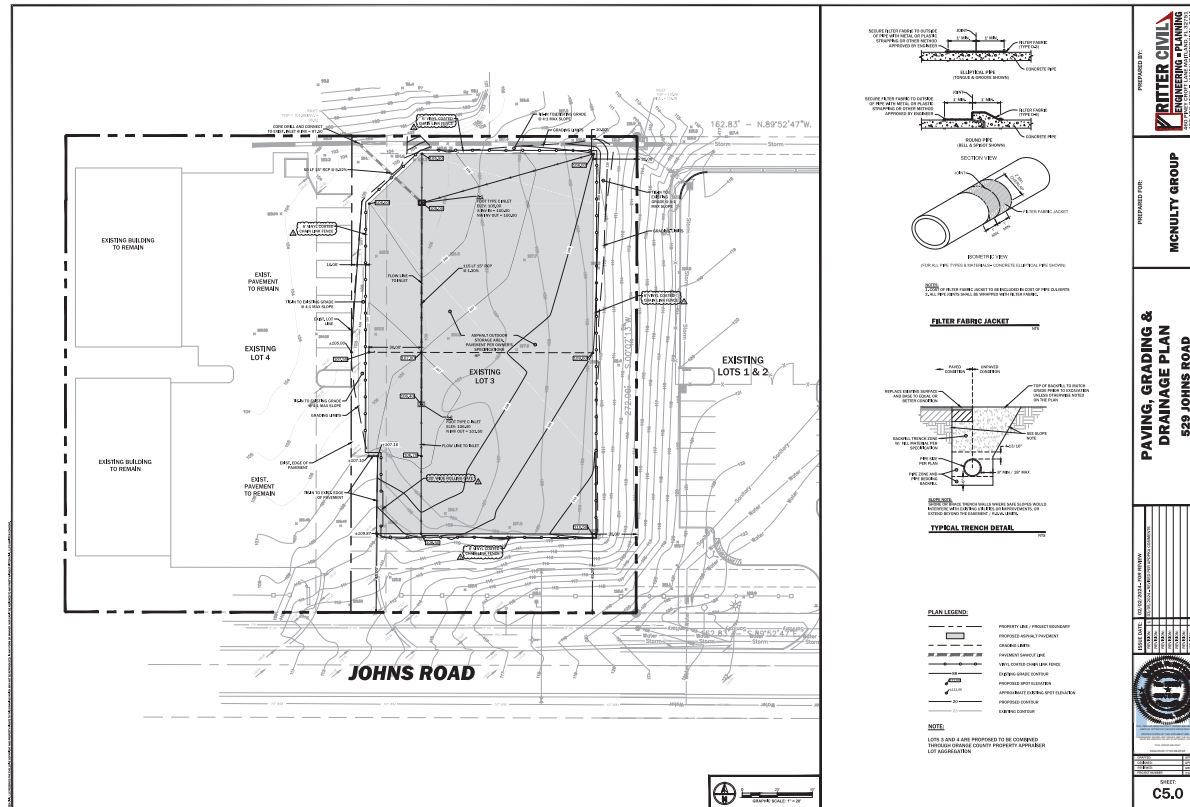
MCNULTY GROUP

EXISTING CONDITIONS

 DEPARTMENT OF HEALTH AND HUMAN SERVICES STATE OF TENNESSEE	ISSUE DATE:	
	CVT 10.00	
	CVT 10.00	
	CVT 10.00	
	CVT 10.00	
	CVT 10.00	
02/02/2024 - FOR REVIEW		

SHEET:
C3.0





CONSTRUCTION SITE PLAN

for

MID-FLORIDA SOUTH LOGISTICS PARK

APOPKA, FLORIDA

DEVELOPER:
BPG APOPKA PROPERTIES, LLC.
1540 GENESSEE STREET,
KANSAS CITY, MO. 64102
CONTACT: ERIC WYANCKO
PHONE: 913-333-9196
EMAIL: ERIC.WYANCKO@BLUESCOPEPROPERTIES.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:
LEADING EDGE LAND SERVICES INCORPORATED
8802 EXCHANGE DRIVE
ORLANDO, FLORIDA. 32809
CONTACT: MIKE BAERHOLD
PHONE: 407 351-6730
EMAIL: MBAERHOLD@LEADINGEDGELS.COM

ENVIRONMENTAL:
BIO-TECH
3025 EAST SOUTH STREET,
ORLANDO, FL 32803
CONTACT: BILL KEENAN, DANIEL COUGH
PHONE: 407-894-5969,
EMAIL: DANNY@BIOTECHCONSULTING.COM

GEOTECHNICAL:
ANDREYEV ENGINEERING, INC.
4055 ST. JOHN'S PARKWAY
SANFORD, FL 32771
CONTACT: MARK JUNG
PHONE: 407 330-7763
EMAIL: MJUNG@ANDREYEVENGINEERING.COM

LANDSCAPING:
BORELLI + PARTNERS.
720 VASSAR STREET
ORLANDO, FL 32804
CONTACT: CHRIS RICE
PHONE: 407-218-1342
EMAIL: CRICE@BORRELLIARCHITECTS.COM

PARCEL ID
Parcel 1 12-21-27-0000-00-011
Parcel 2 12-21-27-0000-00-012
Parcel 3 12-21-27-0000-00-013
Parcel 4 12-21-27-0000-00-007
Parcel 5 12-21-27-0000-00-008

Legal Description:

A PARCEL OF LAND LOCATED IN SECTION 12, TOWNSHIP 21 SOUTH, RANGE 27 EAST, ORANGE COUNTY, FLORIDA, BEING ALL OF THE LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 8062, PG. 1216, OFFICIAL RECORDS BOOK 10135, PAGE 9149, OFFICIAL RECORDS BOOK 9177, PAGE 2436, AND A PORTION OF THE LANDS DESCRIBED IN OFFICIAL RECORDS BOOK 4572, PAGE 90, ALL BEING OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGIN AT THE SOUTHEAST CORNER OF TRACT F, MID-FLORIDA LOGISTICS PARK, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK, 99, PAGES 34-43, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, ALSO BEING THE WESTERLY RIGHT-OF-WAY LINE OF STATE ROAD 429 (WESTERN BELTWAY) LIMITED ACCESS RIGHT-OF-WAY; THENCE ALONG SAID WESTERLY RIGHT-OF-WAY LINE OF STATE ROAD 429 (WESTERN BELTWAY) THE FOLLOWING NINE (9) COURSES: 1) S15°56'44"W, A DISTANCE OF 76.95 FEET; 2) S13°06'26"W, A DISTANCE OF 95.81 FEET; 3) S09°55'40"W, A DISTANCE OF 260.16 FEET; 4) S89°55'49"W, A DISTANCE OF 521.35 FEET; 5) S00°11'42"W, A DISTANCE OF 466.60 FEET; 6) N89°55'49"E, A DISTANCE OF 489.17 FEET; 7) S07°25'10"E, A DISTANCE OF 313.50 FEET; 8) S17°09'05"E, A DISTANCE OF 106.11 FEET; 9) SOUTH EASTERLY ALONG THE ARC OF A NON-TANGENT CURVE TO THE LEFT (SAID CURVE HAVING A RADIUS OF 5156.00 FEET, A CENTRAL ANGLE OF 07°30'56" AND A CHORD BEARING AND DISTANCE OF S08°24'37"E, 675.83 FEET) FOR AN ARC DISTANCE OF 676.31 FEET TO THE SOUTH LINE OF THE NORTHEAST 1/4 OF SECTION 12, TOWNSHIP 21 SOUTH, RANGE 27 EAST; THENCE DEPARTING SAID WESTERLY RIGHT-OF-WAY LINE OF STATE ROAD 429 (WESTERN BELTWAY), ALONG SAID SOUTH LINE OF THE NORTHEAST 1/4 OF SECTION 12, S89°50'36"W, A DISTANCE OF 1729.14 FEET; THENCE DEPARTING SAID SOUTH LINE OF THE NORTHEAST 1/4 OF SECTION 12, N00°25'23"E, A DISTANCE OF 657.98 FEET TO THE SOUTH LINE OF TRACT C OF SAID MID-FLORIDA LOGISTICS PARK; THENCE ALONG THE SOUTH LINE OF SAID TRACT C N89°53'17"E, A DISTANCE OF 81.30 FEET TO THE SOUTHEAST CORNER OF SAID TRACT C; THENCE DEPARTING SAID SOUTH LINE OF TRACT C, ALONG THE EAST LINE OF SAID TRACT C, N00°26'44"E, A DISTANCE OF 1316.95 FEET TO THE NORTHEASTERLY CORNER OF SAID TRACT C, ALSO BEING THE SOUTH LINE OF LOT 5 OF SAID MID-FLORIDA LOGISTICS PARK; THENCE DEPARTING SAID EAST LINE OF TRACT C, ALONG SAID SOUTH LINE OF LOT 5 N89°58'26"E, A DISTANCE OF 1583.60 FEET TO THE POINT OF BEGINNING.

CONTAINING 65.303 ACRES (2844610 SQUARE FEET) OF LAND, MORE OR LESS.

ALSO A CFX PARCEL LOCATED IN SECTION 12, TOWNSHIP 21 SOUTH, RANGE 27 EAST ORANGE COUNTY, FLORIDA. CONTAINING 5.412 ACRES (235752 SQUARE FEET) OF LAND, MORE OR LESS.

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



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SITE LOCATION

SCALE 1:2000



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

DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

1. ALL CONSTRUCTION SHALL CONFORM WITH CITY OF APOPKA ENGINEERING STANDARDS MANUAL 2016 P.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 CHANGES 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 COORDINATE 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 SYSTEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH THE SAID PROVIDER TO INSURE PROPER CONSTRUCTION PHASING, ELIMINATE CONFLICTS AND AVOID UNNECESSARY 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 INTERFERENCE TO THE TRAVELING PUBLIC. THE CONTRACTOR SHALL MAINTAIN FREE AND UNOBSTRUCTED PUBLIC HIGHWAY AND 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 HIGHWAY BY CITY OF APOPKA. TRAFFIC ENGINEER 32703.
13. THE CONTRACTOR SHALL 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.
14. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS CONTROLLING POLLUTION OF THE ENVIRONMENT.
15. THE CONTRACTOR SHALL COMPLY WITH ALL LOAD RESTRICTIONS IN THE HAULING OF MATERIALS IN PUBLIC ROADS BEYOND THE LIMITS OF THE HIGHWAY. THE CONTRACTOR SHALL RELIEVE THE CONTRACTOR OF LIABILITY FOR THE DAMAGE WHICH MAY RESULT FROM THE MOVING OF MATERIAL AND EQUIPMENT.
16. 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 OMISSION, NEGLIGENCE, OR DEFECTIVE WORK, IN HIS MANNER OF WORK, OR AT ANYTIME DUE TO DEFECTIVE WORK OR MATERIALS.
17. 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.
18. 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.
19. 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.
20. 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 DESTRUCTIVE MATERIALS HAVE BEEN REMOVED.
21. COMPACT THE TOP 24 INCHES OF UTILITY TRENCHES WITHIN ROADWAYS TO 98% OF THE MODIFIED PROCTOR DENSITY; WITHIN OTHER AREAS TO 95%.
22. 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 DETRIMENTAL MATERIAL. BEFORE EMBANKMENT IS STARTED, IMMEDIATELY PRIOR TO THE PLACEMENT OF FILL MATERIALS, THE ENTIRE AREA UPON WHICH FILL IS TO BE PLACED, SHALL BE SCRIPPED IN A DIRECTION APPROXIMATELY PARALLEL TO THE AXIS OF FILL. THE GEOTECHNICAL ENGINEER SHALL APPROVE THE AREA PRIOR TO THE PLACEMENT OF FILL.
23. 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.
24. RECORD DRAWINGS: AT THE END OF CONSTRUCTION, THE CONTRACTOR WILL PROVIDE ONE SET OF DRAWINGS SHOWING ALL CHANGES MADE IN WATERPROOF RED WITH THE FOLLOWING CONTRACTOR'S STATEMENT: "I HEREBY CERTIFY 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. ABBSENT A NOTE OR GRAPHIC TO THE CONTRARY, THE IMPROVEMENTS HAVE BEEN CONSTRUCTED MEETING INDUSTRY STANDARD TOLERANCES."
25. SIGNED: _____ DATE: _____ AUTHORIZED CONTRACTOR'S REPRESENTATIVE
26. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.
27. ALL SIDEWALKS, RAMPS, AND CROSSWALKS WILL BE DESIGNED AND BUILT TO MEET ADA REQUIREMENTS.
28. MISCELLANEOUS ENGINEER NOTIFICATIONS
- A. THE CONTRACTOR SHALL NOTIFY 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
- L. THE CONTRACTOR SHALL KEEP DAILY "AS-BUILT" DRAWINGS AND MAKE THEM READILY ACCESSIBLE.
- M. THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER A PROJECT CONSTRUCTION SCHEDULE (BAR GRAPH) AND UPDATE SAID SCHEDULE ON A MONTHLY BASIS
- N. ALL FUEL STORAGE AREAS SHALL HAVE THE PROPERTY OWNER'S PRIOR APPROVAL AND APPROPRIATE MEASURES SHALL BE TAKEN TO INSURE PROTECTION OF UNDERWATER AND SOIL RESOURCES.
- O. THE CONTRACTOR SHALL COORDINATE ALL BACKLAP 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.
- P. 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 CGCL SYSTEM SHALL CONFORM TO CITY OF APOPKA MANUAL OF STANDARDS AND SPECIFICATIONS FOR WATER MAINS, STORM SEWERS AND WATER MAINS 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 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 II 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. THE DRAINS SHALL BE ROUTED THROUGH THE PROJECT LIMITS, BEHIND THE TRAP SEDIMENTS AND DISCHARGE FACILITIES FROM THESE BASINS SHALL BE PROVIDED WITH THE IMPACT COVER TO TRAP FLOATABLE DEBRIS.
- 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 M-23)
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 16" THROUGH 36" SHALL BE IN ACCORDANCE WITH ASTM 3441 SDR31 GU 30.29. ALL 36" THROUGH 48" DIAMETER PIPE 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 CODED 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 RECLAIM

- 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. REGRESSING: 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 REGRESSED.
- 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.
- ALL PUBLIC STORM DRAINAGE PIPES MUST BE WRAPPED AT THE JOINT WITH FILTER FABRIC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL RETENTION AND DETENTION FACILITIES AND ALL LANDSCAPE BUFFERS, THROUGHOUT THE DURATION OF THE PROJECT, AND UNTIL THE WORK IS ACCEPTED BY THE OWNER. ALL DISRUPTED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION.
- ROADWAY AND DRAINAGE DESIGN PER CURRENT CITY OF APOPKA AND FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.
- UTILITY (SEWER AND WATER) DESIGN PER CURRENT CITY OF APOPKA UTILITIES STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC PLAN TO CITY OF APOPKA AND OBTAIN FINAL APPROVAL PRIOR TO CONSTRUCTION.
- ALL AIR RELEASE VALVES SHALL BE REQUIRED AT ALL HIGH POINTS ON PROPOSED FORCEMAINS, RECLAIMED WATER MAINS AND POTABLE WATER MAINS.
- 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. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING EXISTING UTILITY LOCATIONS.
- THE UTILITIES DISPATCH OPERATOR SHALL BE NOTIFIED BY THE CONTRACTOR FOR PIPE EMERGENCIES.
- UTILITIES ENGINEERING AND CONSTRUCTION DIVISION: 407-703-1731.
- 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.
- THE CONTRACTOR SHALL ADJUST VALVE BOXES, AIR RELEASE VALVES, FIRE HYDRANTS, MANHOLE COVERS, ETC IN CONFLICT WITH ROADWAY.
- IF 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.
- UTILITIES CONSTRUCTION DIVISION SHALL BE NOTIFIED AT LEAST SEVEN (7) DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY WITHIN PROXIMITY OF ANY UTILITIES.
- ONLY UTILITIES SHALL OPERATE WATER, WASTEWATER, AND RECLAIMED WATER VALVES. COORDINATE VALVE OPERATION WITH APPROPRIATE UTILITIES INSPECTOR.
- 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.
- 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 UTILITY.
- 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.
- ALL EXISTING AND NEW CITY OF APOPKA UTILITIES, VALVE BOXES, AND MANHOLES SHALL BE PROTECTED AND ADJUSTED TO MATCH GRADE AS SHOWN ON THE DRAWINGS. ALL EXISTING ABOVE GROUND VALVES TO BE RELOCATED, AS REQUIRED.
- MAKE TEMPORARY CONNECTIONS TO AN EXISTING POTABLE WATER SOURCE. FLUSH OUT NEW WATER MAIN WITH POTABLE WATER SOURCE. "JUMPER" ASSEMBLY WITH BACKFLOW PREVENTER TO MAKE TEMPORARY CONNECTIONS TO AN EXISTING WATER SOURCE).
- PRESSURE PIPE LENGTHS DO NOT INCLUDE BENDS, AIR RELEASE VALVES OR FIRE HYDRANT ASSEMBLIES.
- THE CONTRACTOR IS RESPONSIBLE FOR MEETING THE REQUIREMENTS OF EPA AND FDEP AS IT RELATES TO THE NPDES NOTES INCLUDING THE POLLUTION DISCHARGE CONTROL.
- AN EROSION CONTROL PLAN WILL BE APPROVED BY THE CITY ENGINEER PRIOR TO THE PRE-CONSTRUCTION CONFERENCE.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF APOPKA PUBLIC UTILITIES CONSTRUCTION DEPARTMENT 48 HOURS PRIOR TO ANY UTILITIES CONSTRUCTION.
- ALL EXISTING UTILITIES HAVE BEEN FIELD VERIFIED AT ALL POINTS OF CONNECTION TO AND AT ALL AREAS OF CONFLICT WITH O.C.U. MAINS.
- THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3 FEET OF COVER OVER ALL PROPOSED WATER, WASTEWATER AND RECLAIMED WATER LINES. REFER TO THE FOLLOWING SECTIONS FROM THE 2011 O.C.U. MANUAL: SECTION 2210, PART 4, A - RECLAIMED MAINS SECTION 2310, PART 6 - GRAVITY MAINS SECTION 2311, PART 4, A - FORCE MAINS SECTION 2510, PART 4, A - WATER MAINS



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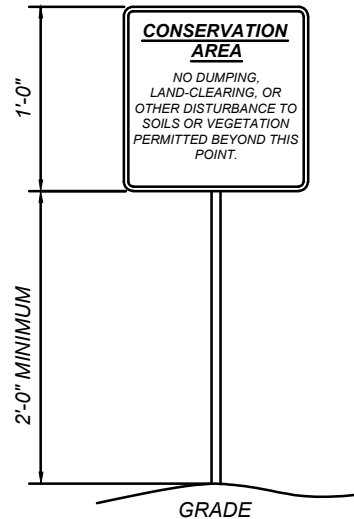
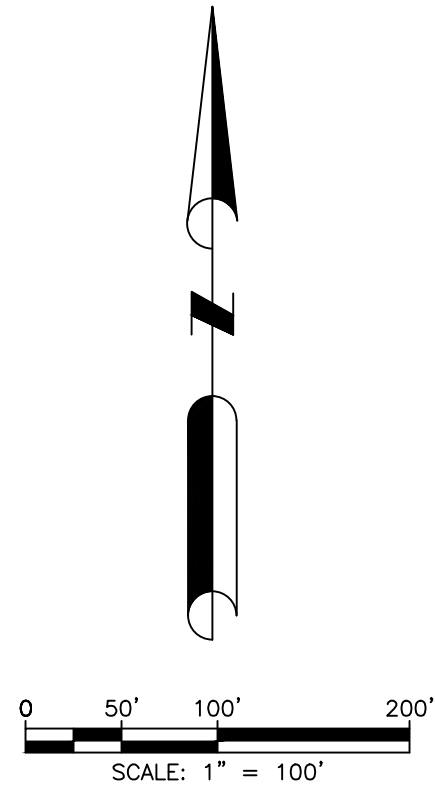
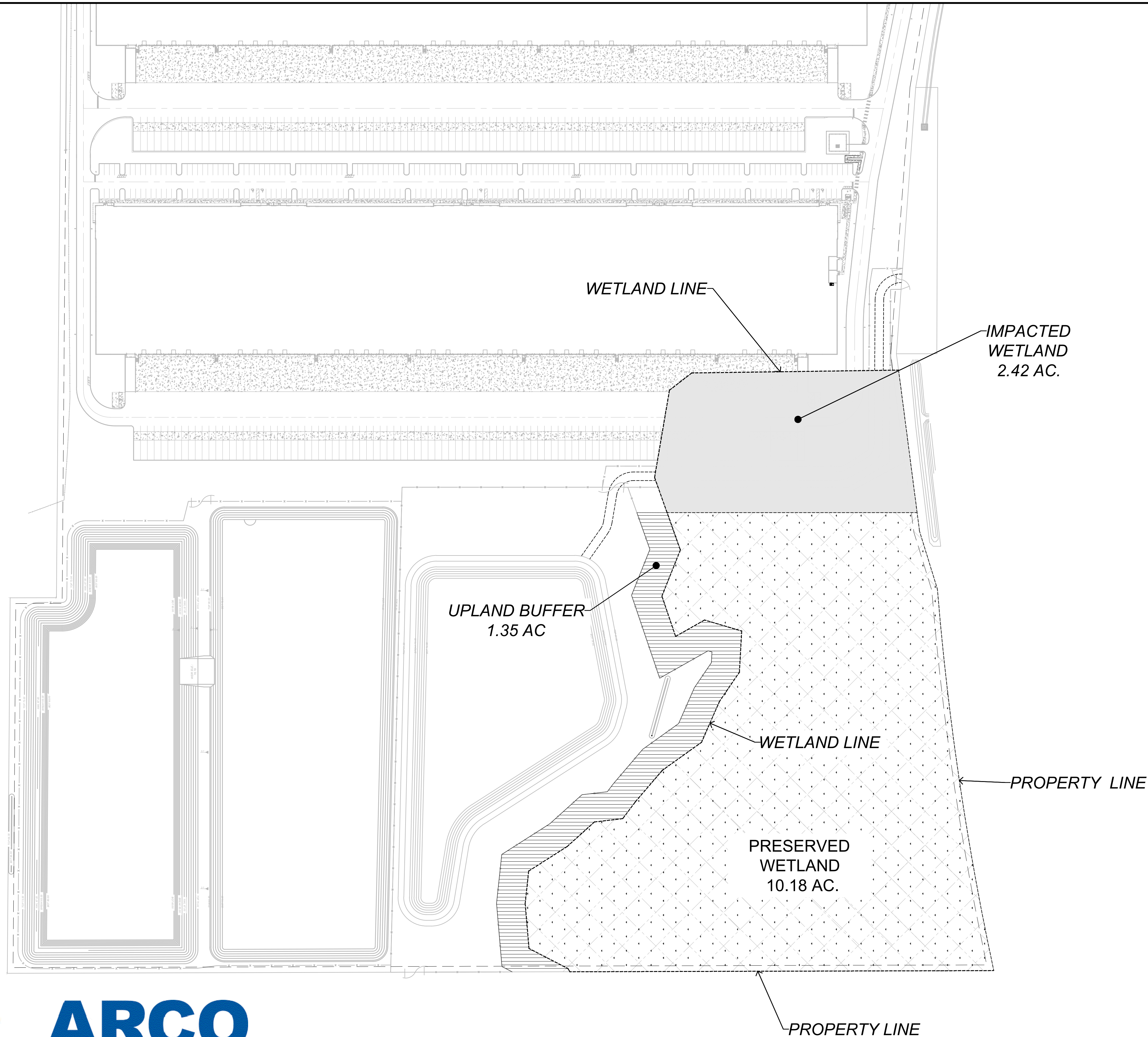
REVISIONS						DAVE M. SCHMITT FLORIDA REG. NUMBER 48274
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	

DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

GENERAL NOTES
MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: N/S
SHEET: 02 OF 33

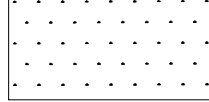
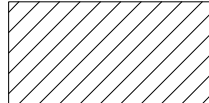
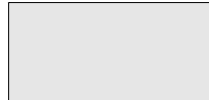
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- NOTES:
1. MINIMUM AVERAGE 50' BUFFER HAS BEEN PROVIDED ON ALL PRESERVED WETLANDS.
 2. CONSERVATION AREA SIGNS TO BE PLACED AT EVERY 50' ALONG THE UPLAND BUFFER LIMITS.

CONSERVATION AREA SIGN DETAIL
NOT TO SCALE

LEGEND

DESCRIPTION	AREA
 WETLAND PRESERVATION AREA	10.18 AC.
 UPLAND BUFFER AREA	1.35 AC.
 WETLAND IMPACT	2.42 AC.



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Certification of Authorization #27471

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

ENVIRONMENTAL CONSIDERATION PLAN
MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: 1"=100'
SHEET: 03 OF 33

1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING BAY FROM SITE IN ALL DITCHES AND SWALES AT COMPLETION OF CONSTRUCTION.
2. THE SITE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.
3. NO TEMPORARY EROSION CONTROL DEVICES SHALL BE PLACED IN THE PROJECT CORPUS DUE TO UNSEEN CONDITIONS OR ACCIDENTS.
4. EROSION CONTROL DEVICES SHALL BE REMOVED AFTER THE PIPES ACCEPTANCE.
5. WIRE MESH SHALL BE COVERED OVER THE DROP INLET SO THAT THE WIRE 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. FOOT NO. 1 COARSE AGGREGATE SHALL BE PLACED OVER THE WIRE MESH AS INDICATED IN DETAIL. 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. NO STAKE SHALL BE PLACED OVER THE TOP OF THE STONES SO THAT THEY ARE NOT COVERED BY THE STONE. THE STONES MUST BE PULLED AWAY FROM THE INLET, CLEANED AND REPLACED.
8. BARRIERS SHALL BE PLACED IN THE DITCHES AND SWALES UNDER THE BALES.
9. BARRIERS SHALL BE PLACED IN THE DITCHES AND SWALES UNDER THE BALES.
10. BARRIERS SHALL BE PLACED IN THE DITCHES AND SWALES UNDER THE BALES.
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NOTE:
WHERE FDOT SPECS AND INDEX ARE REFERENCED, PLEASE REFER TO FDOT ROADWAY & TRAFFIC DESIGN STANDARDS, AND FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.



ARCO
NATIONAL CONSTRUCTION

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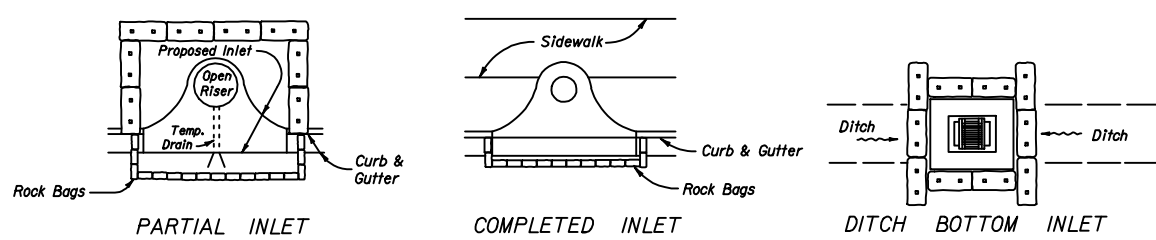


REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

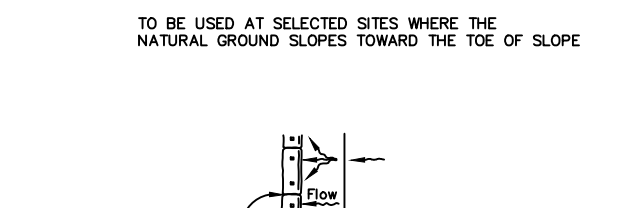
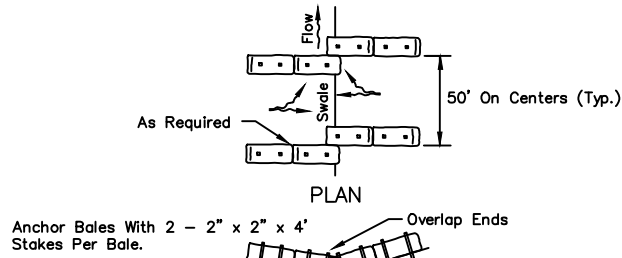
DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

EROSION CONTROL DETAILS
MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

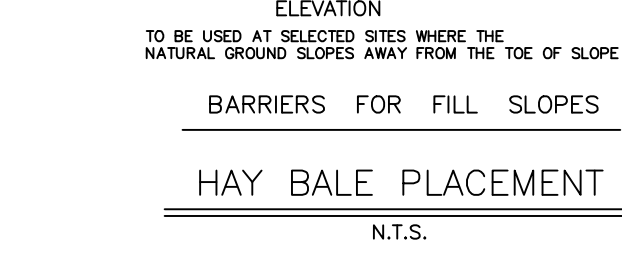
DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: NONE
SHEET: 05 OF 33



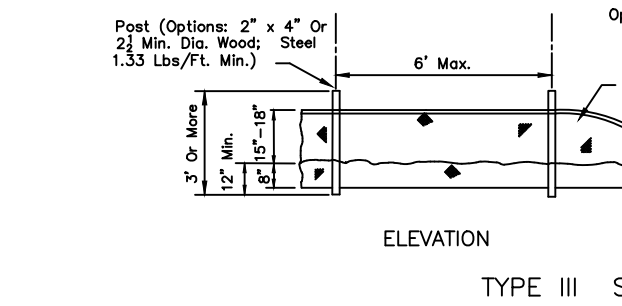
PROTECTION AROUND INLETS OR SIMILAR STRUCTURES



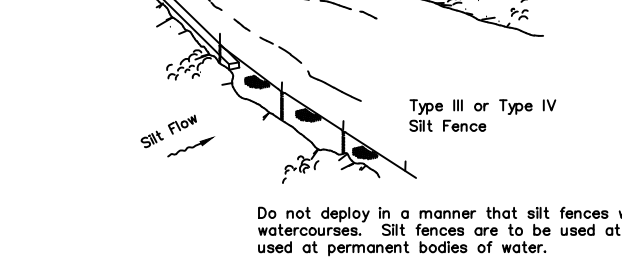
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(D-911)
N.T.S.



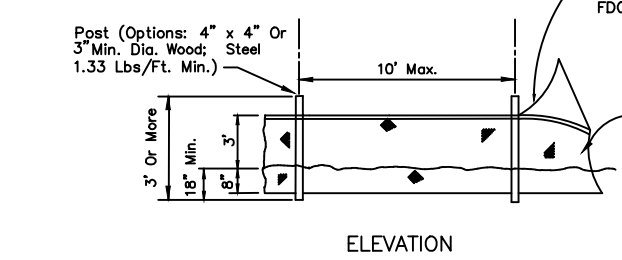
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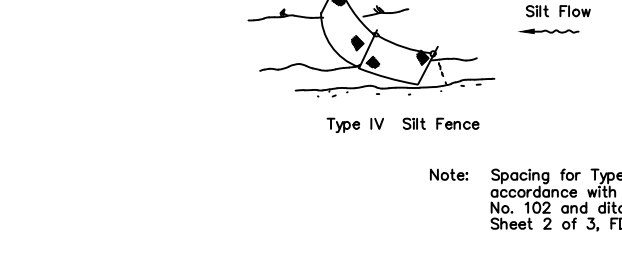
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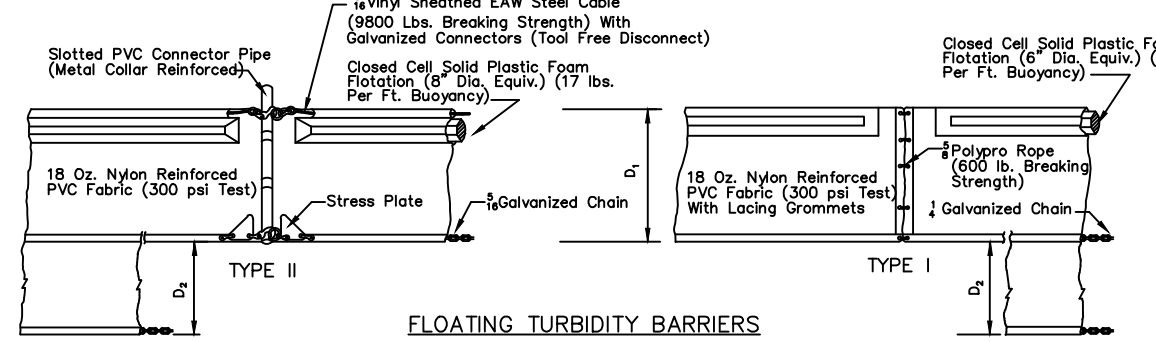
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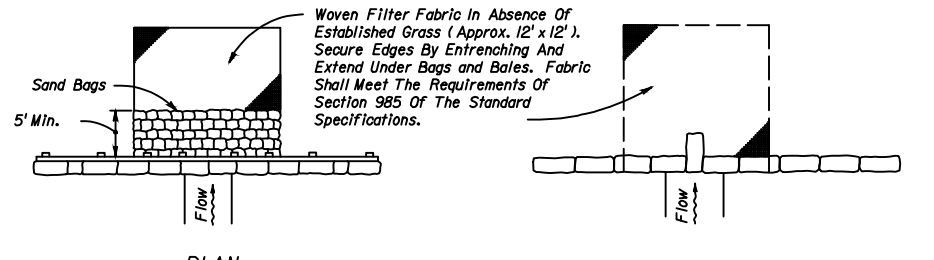
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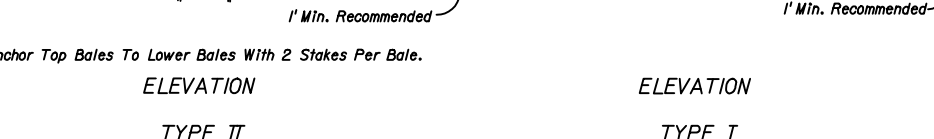
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- NOTES:
1. Turbidity barriers are to be used in all permanent bodies of water regardless of water depth.
 2. Number and spacing of anchors dependent on current velocities.
 3. Deployment of barrier around pile locations may vary to accommodate construction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

TURBIDITY BARRIERS
N.T.S.



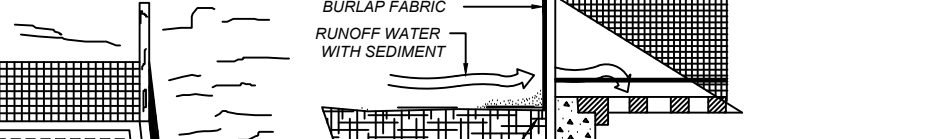
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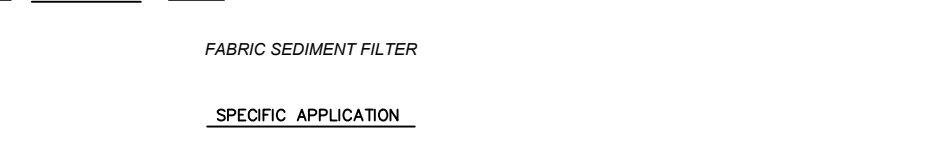
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(D-911)
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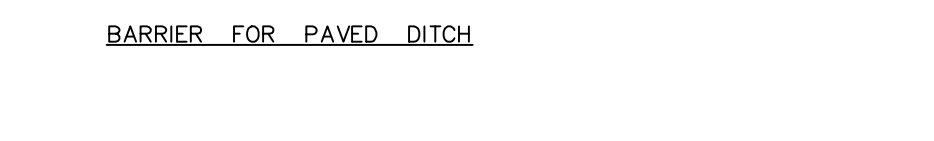
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(D-911)
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(D-911)
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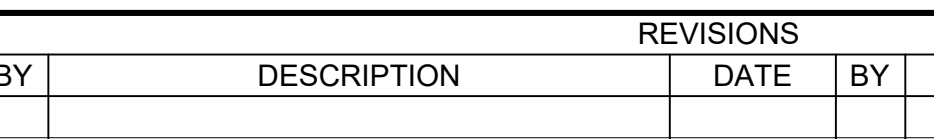
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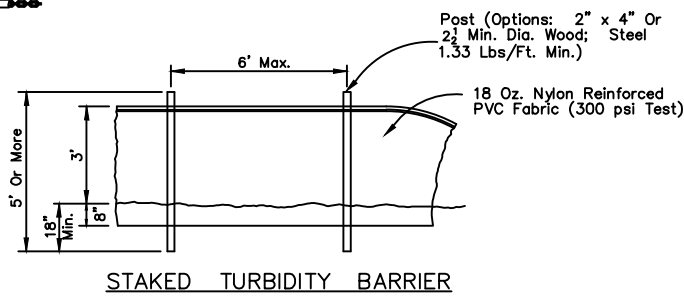


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N.T.S.



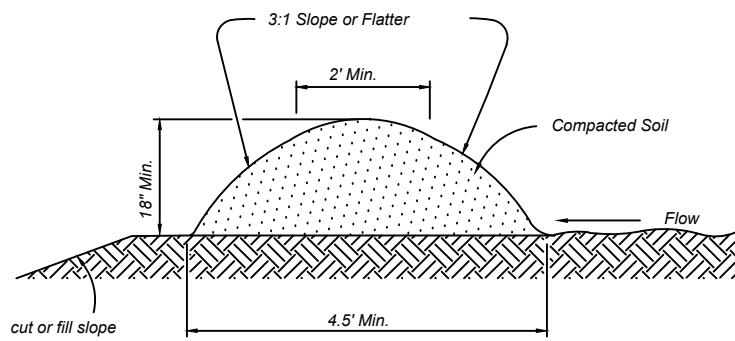
STAKED SYNTHETIC HAY BALE
(D-911)
N.T.S.

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.

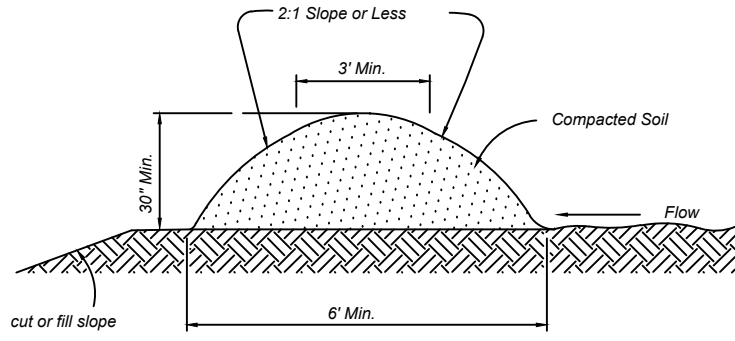


STAKED SYNTHETIC HAY BALE

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 Contractor's 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.

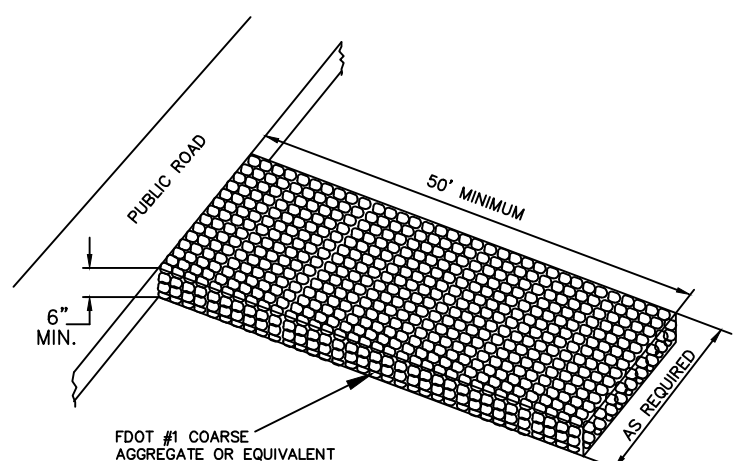


TEMPORARY DIVERSION DIKE FOR AREA OF 1 TO 5 ACRES

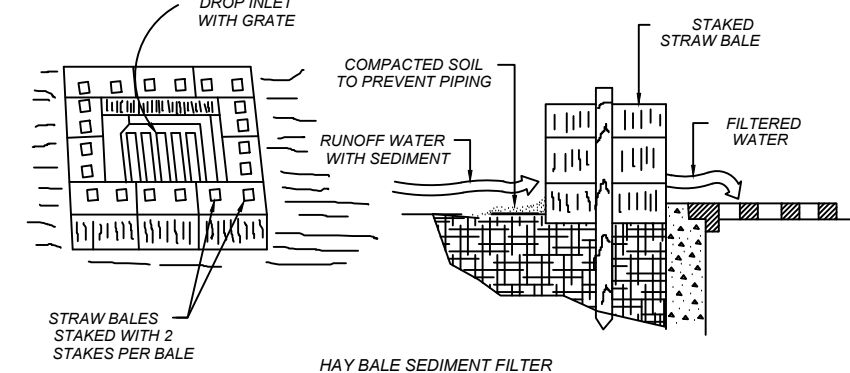


TEMPORARY DIVERSION DIKE FOR AREA OF 5 OR MORE ACRES

DIVERSION DIKE
N.T.S.



STABILIZED CONSTRUCTION ENTRANCE
N.T.S.



STABILIZED CONSTRUCTION ENTRANCE

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 CM) ARE TYPICAL. THIS METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

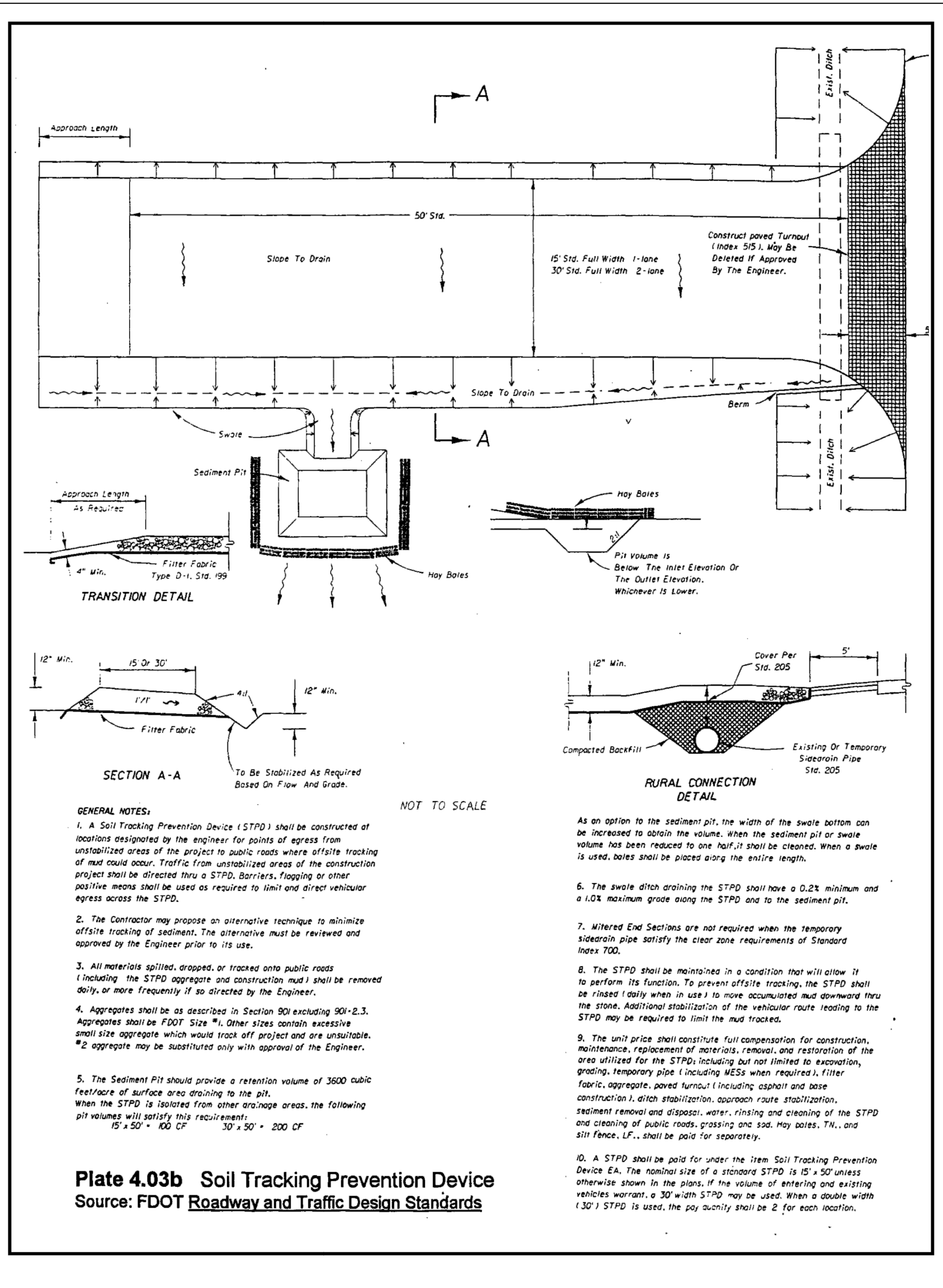
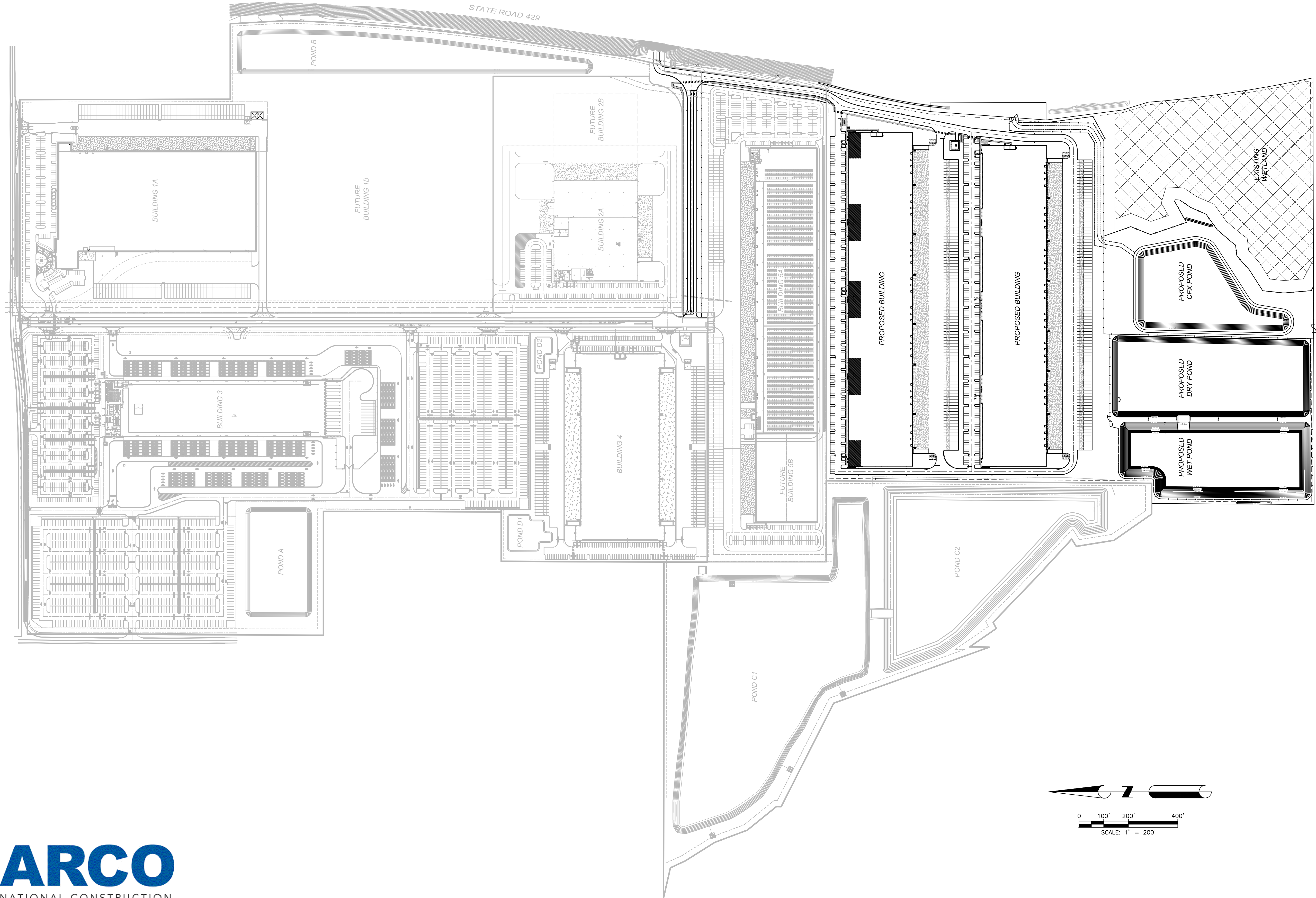


Plate 4.03b Soil Tracking Prevention Device
Source: FDOT Roadway and Traffic Design Standards

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Certification of Authorization #27471

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

MASTER SITE PLAN
MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: 1" = 200'
SHEET: 07 OF 33

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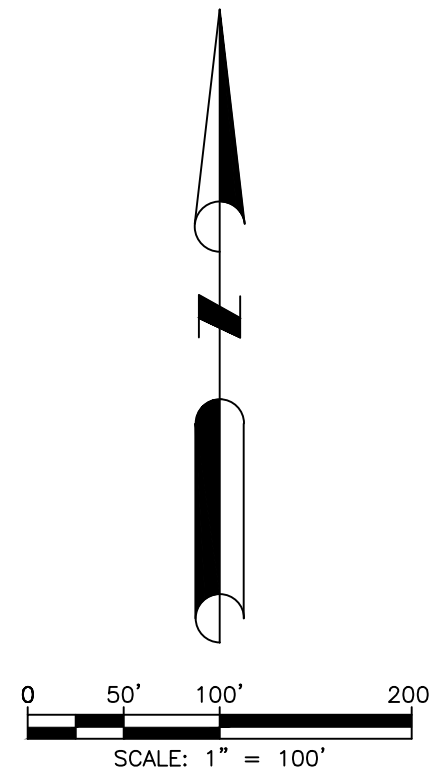
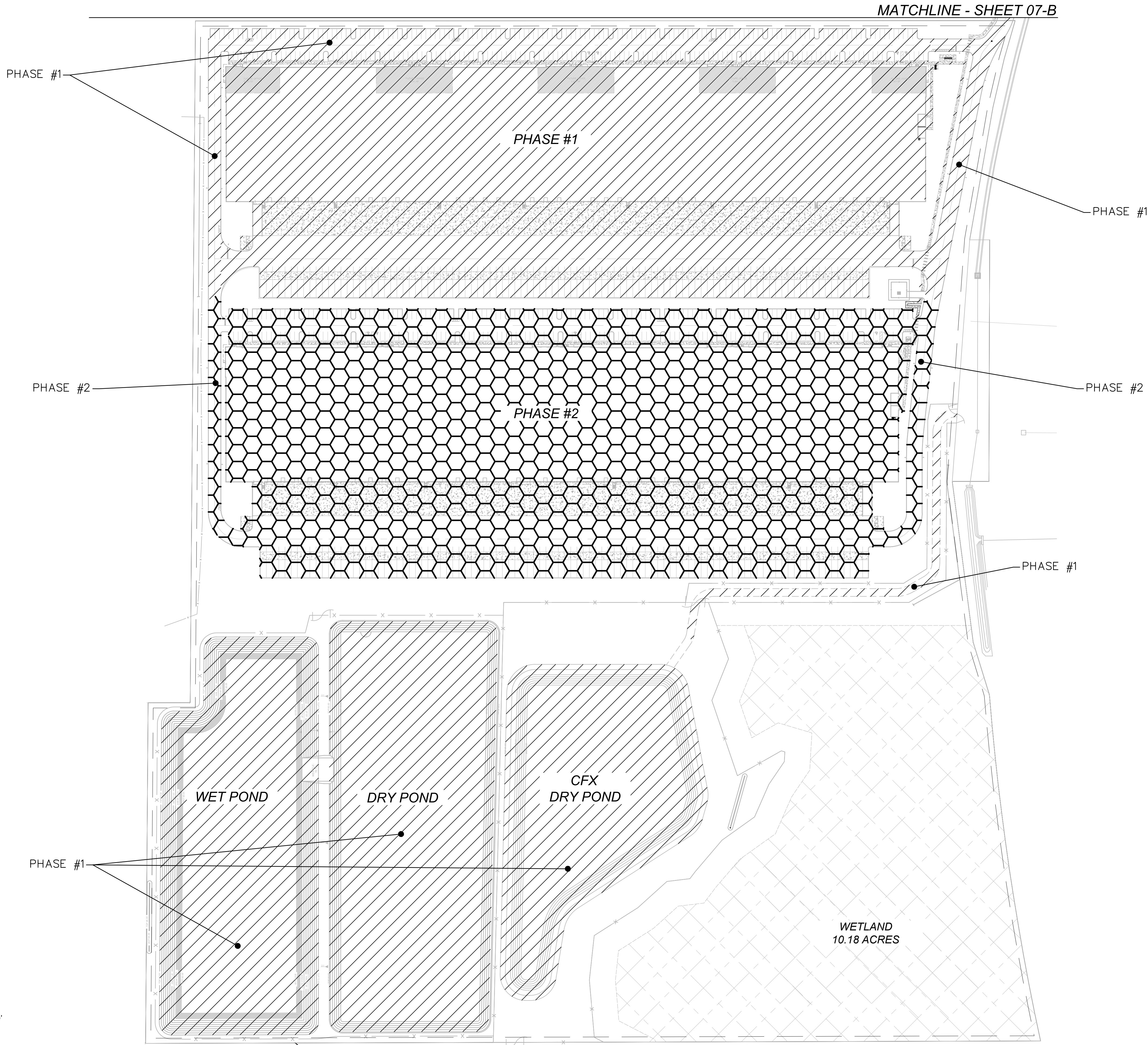
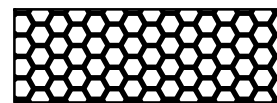
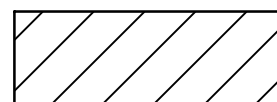
LEGEND

DESCRIPTION

PHASE 1

PHASE 2

PROPOSED



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ORLANDO, FL 32828
407-207-9088 FAX 407-207-9089
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PHASING PLAN
MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: 1" = 100'
SHEET: 07-A OF 33

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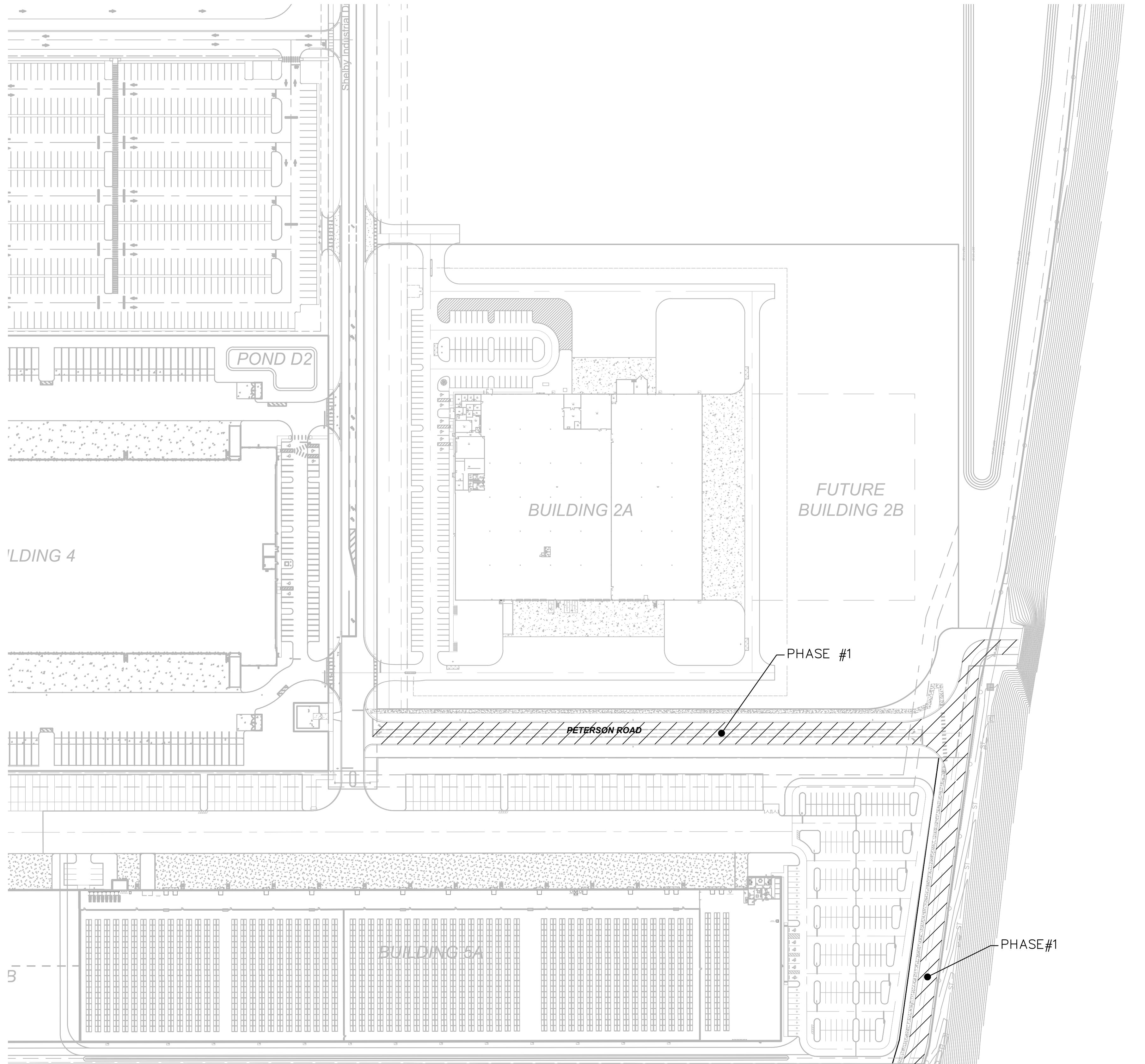
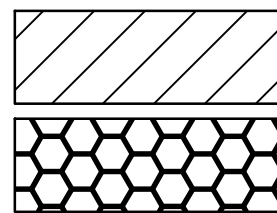
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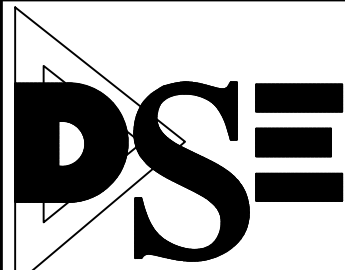
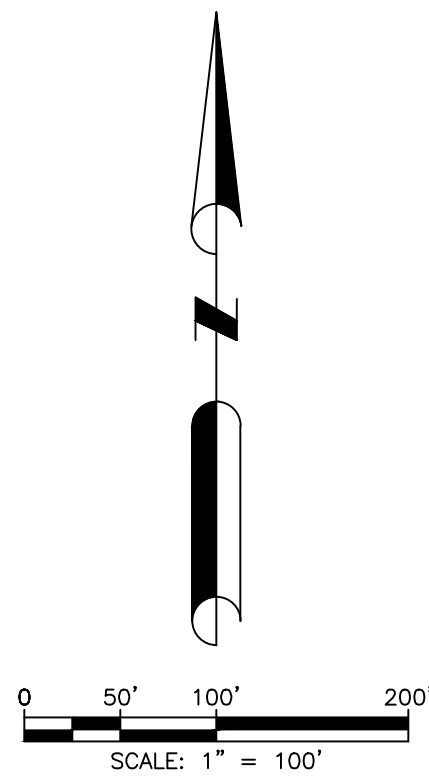
PHASE 1

PHASE 2

PROPOSED



MATCHLINE - SHEET 07-A



**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

OFFSITE PHASING PLAN
MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: 1" = 100'
SHEET: 07-B OF 33

NOTES

GENERAL:

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

LANDSCAPING:

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

SITE LIGHTING:

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

SIGNAGE:

POLE SIGNS, BILLBOARDS AND 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 3 PHASES. SEE PHASING PLANS FOR DETAILS

SOILS

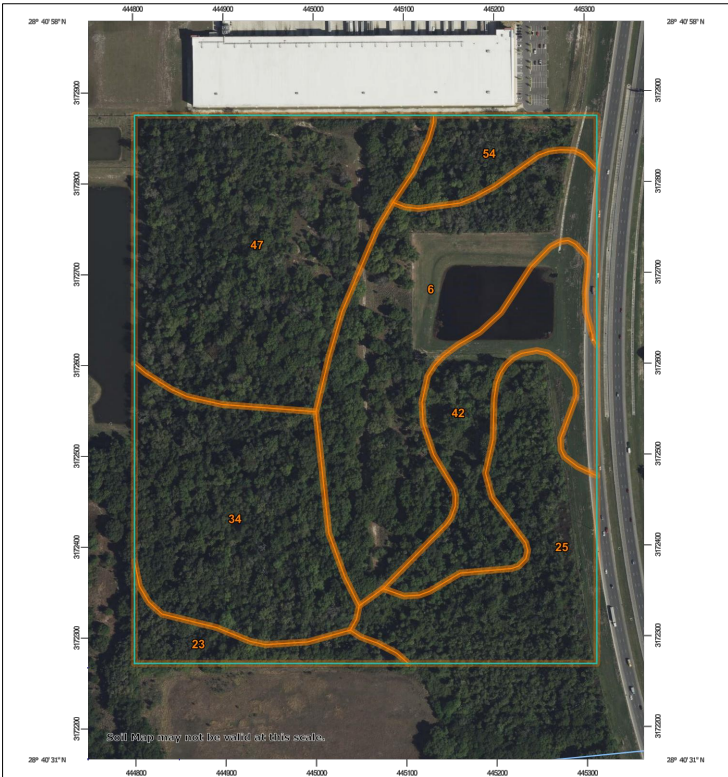
SOIL SYMBOL SOIL DESCRIPTION
6 CANDLER-APOPKA FINE SANDS, 5 TO 12 PERCENT SLOPES
23 MALABAR FINE SAND, 0 TO 5 PERCENT SLOPES
25 OKELANTA MUCK, 0 TO 5 PERCENT SLOPES
34 POMELO FINE SAND, 0 TO 5 PERCENT SLOPES
42 SANIBEL MUCK, 0 TO 5 PERCENT SLOPES
47 TAVARES-MILLHOPPER FINE SANDS, 0 TO 5 PERCENT SLOPES
54 ZOLFO FINE SAND, 0 TO 2 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 INSURANCE PROGRAM FIRM MAP NO. 12095C0125H EFFECTIVE SEPTEMBER 24, 2021 THE DESCRIBED PROPERTY IS WITHIN ZONE "X" AND ZONE "AE" WITH BASE FLOOD ELEVATION HAS BEEN ESTABLISHED.



TRAFFIC ANALYSIS

PER 11TH EDITION ITE TRIP GENERATION MANUAL - LAND USE WAREHOUSE (150) - 1,364 ADT 151 PM PEAK HOUR TRIP. (27 % IN AND 73% OUT)

BUILDING DATA

BUILDING FOOTPRINT AREA: 691,016 S.F.
MAX. BUILDING HEIGHT: 45 FT.
MAX. FLOOR AREA RATIO: 0.40 FAR

YARD SETBACKS

REQUIRED:
FRONT: 10 FT.
SIDES: 10FT (30 Ft when adjacent to a residential use or District)
REAR: 10 FT (30 Ft when adjacent to a residential use or District)

SITE DATA

TOTAL GROSS AREA: 71.3 AC.

EXISTING ZONING: I-L
ADJACENT ZONING: PUD
NORTH: A-1
EAST: CONSERVATION
SOUTH: PUD
WEST: INDUSTRIAL
FLU

REQUIRED OPEN-SPACE: 3.6 AC. 5%
PROPOSED OPEN-SPACE: 10.02 AC. 14.17%
PERVIOUS AREA: 33.77 AC. 47.75%
IMPERVIOUS AREA: 36.94 AC. 52.25%
TOTAL GROSS AREA: 70.71 AC. 100.00%

BOTTOM OF DRY POND AREA: 4.78 AC.
BOTTOM OF CFX POND AREA: 2.523 AC.
LIFT STATION TRACT AREA: 0.0764 AC.
IMPERVIOUS WETLAND AREA: 10.130 AC.

PARKING CALC'S

PARKING REQUIREMENT:
2 PS / 1,000 SF OF OFFICES + 1 PS / 600 SF UP TO 3,000 SF, THEN 1/ ADDITIONAL 3,000 SF (ADA) 8 PARKING REQUIRED FOR (301-400 PS)

FOR 352,268 SF OF BUILDING # 1
10% OFFICES = 35,226 SF @ 2PS/1000 SF = 72 SPACES
DISTRIBUTION= 317,041 SF @ 1PS/600 UP TO 3,000 SF, AND THEN 1/ADDITIONAL 3,000 SF = 110 SPACES.

TOTAL SPACES REQUIRED = 110 SPACES + 72 SPACES
= 182 SPACES / BUILDING

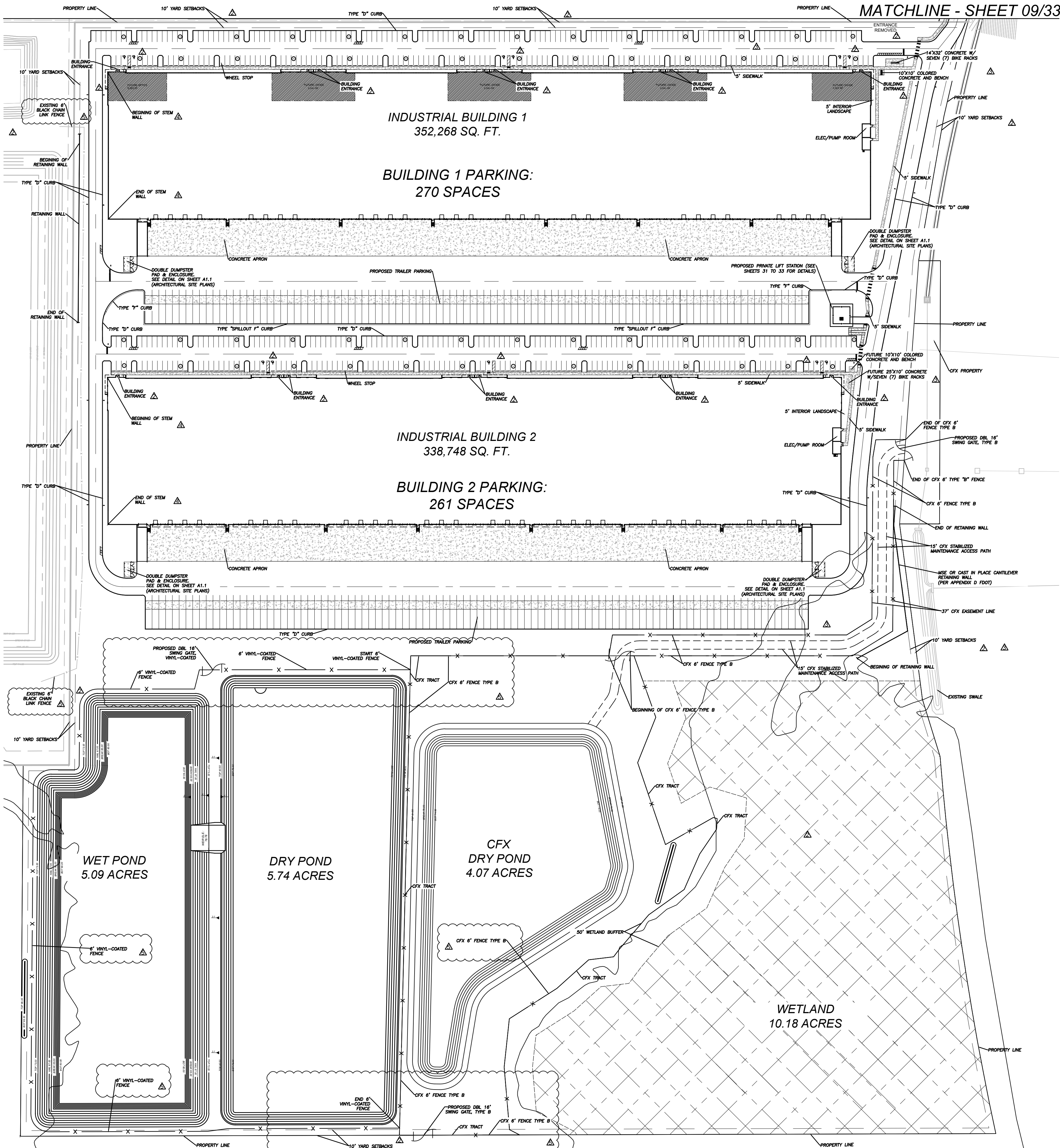
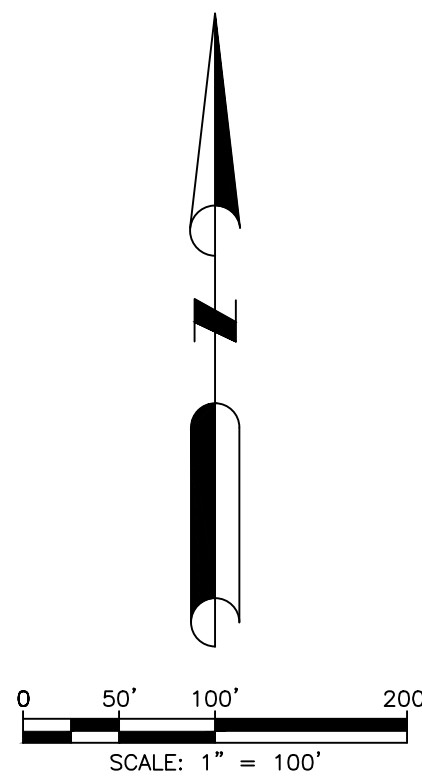
FOR 338,748 OF BUILDING # 2
10% OFFICES = 33,875 SF @ 2PS/1000 SF = 68 SPACES
DISTRIBUTION= 304,873 SF @ 1PS/600 UP TO 3,000 SF, AND THEN 1/ADDITIONAL 3,000 SF = 106 SPACES.

TOTAL SPACES REQUIRED = 106 SPACES + 68 SPACES
= 174 SPACES / BUILDING

TOTAL SPACES REQUIRED = 182 PS + 174 PS = 356 SPACES
TOTAL ADA SPACES REQUIRED = 8 SPACES

PARKING REQUIRED:
REGULAR SPACES = 356 SPACES
HANDICAP SPACES = 8 SPACES
TOTAL PARKING REQUIRED = 364 SPACES

PARKING PROVIDED:
REGULAR SPACES = 520 SPACES
TRAILER PARKING SPACES = 196 SPACES
HANDICAP SPACES = 11 SPACES
TOTAL PARKING PROVIDED = 727 SPACES



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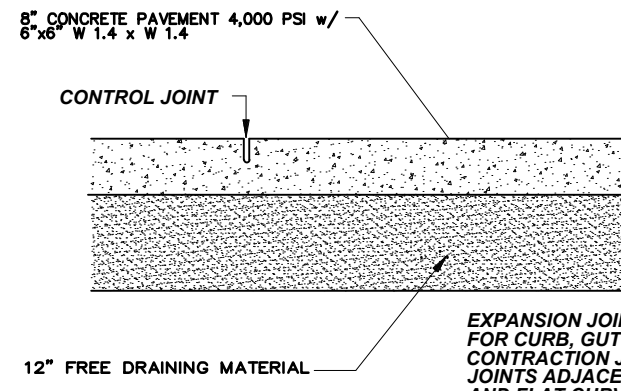
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
			02/13/2024	DM	REV. PER CLIENT COMMENTS
			01/10/2023	DM	REV. PER CLIENT COMMENTS
			11/21/2023	DM	REV. PER CLIENT COMMENTS
			09/15/2023	DM	REV. PER CITY COMMENTS

DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

OVERALL SITE PLAN
MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: 1" = 100'
SHEET: 08 OF 33

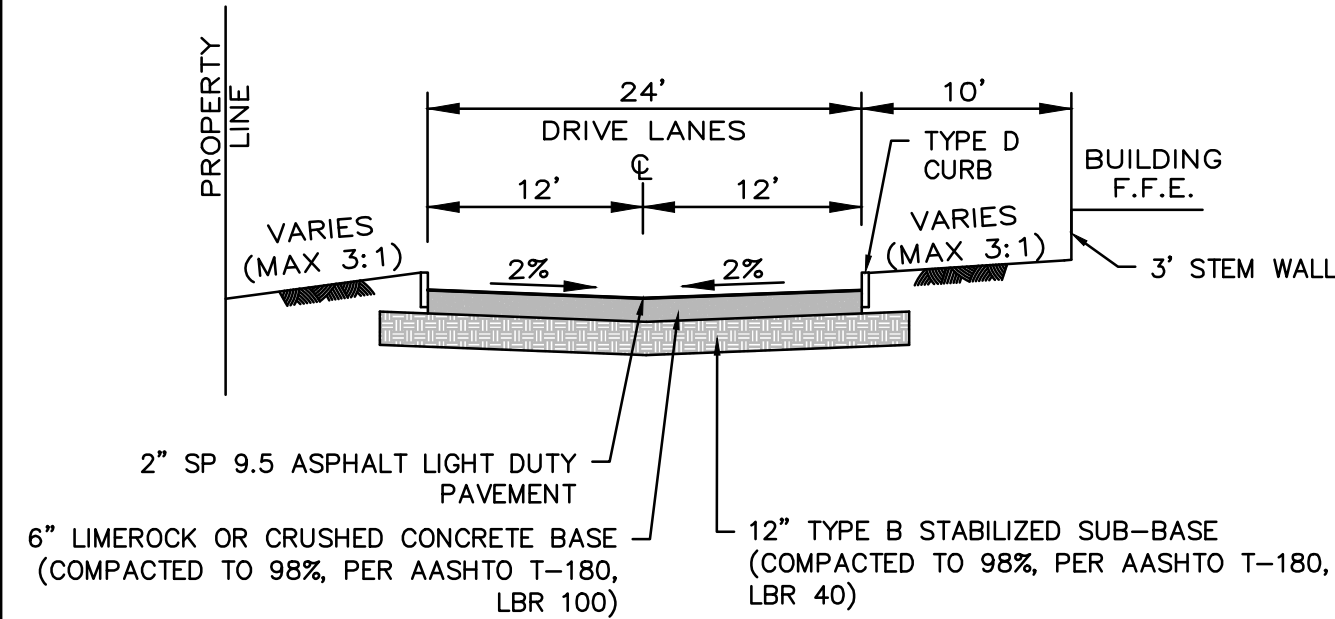
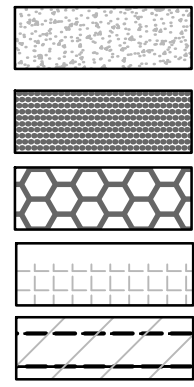
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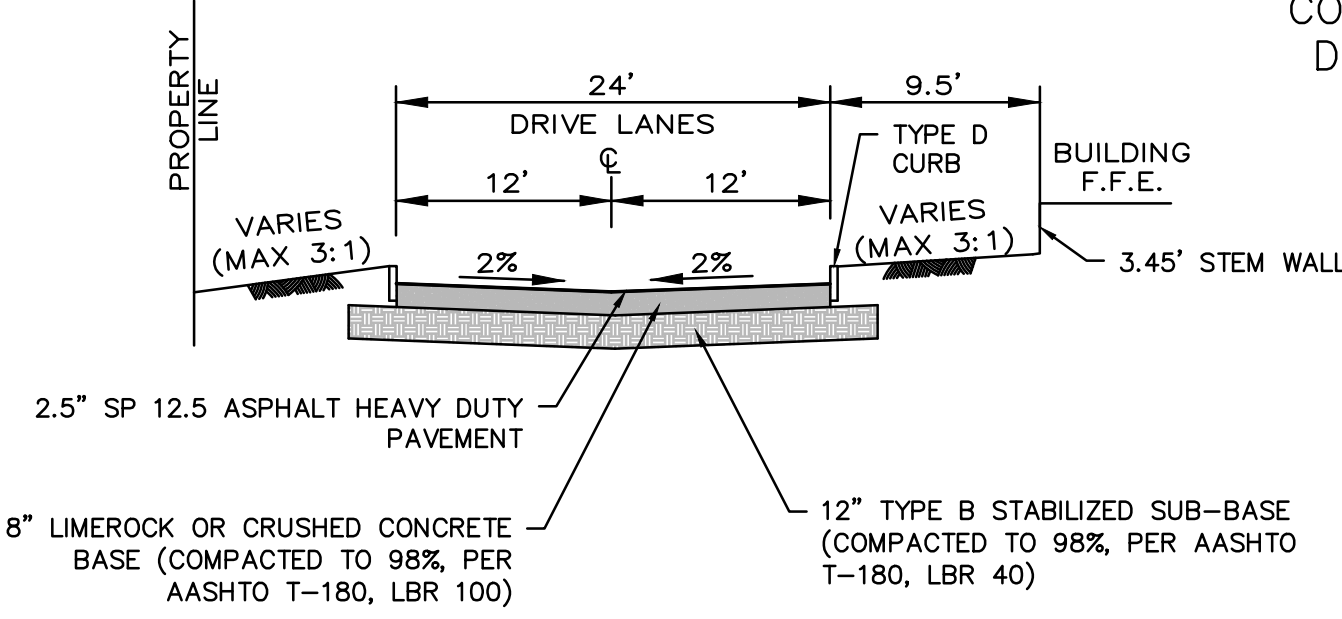
TYPICAL CONCRETE PAVEMENT SECTION

LEGEND

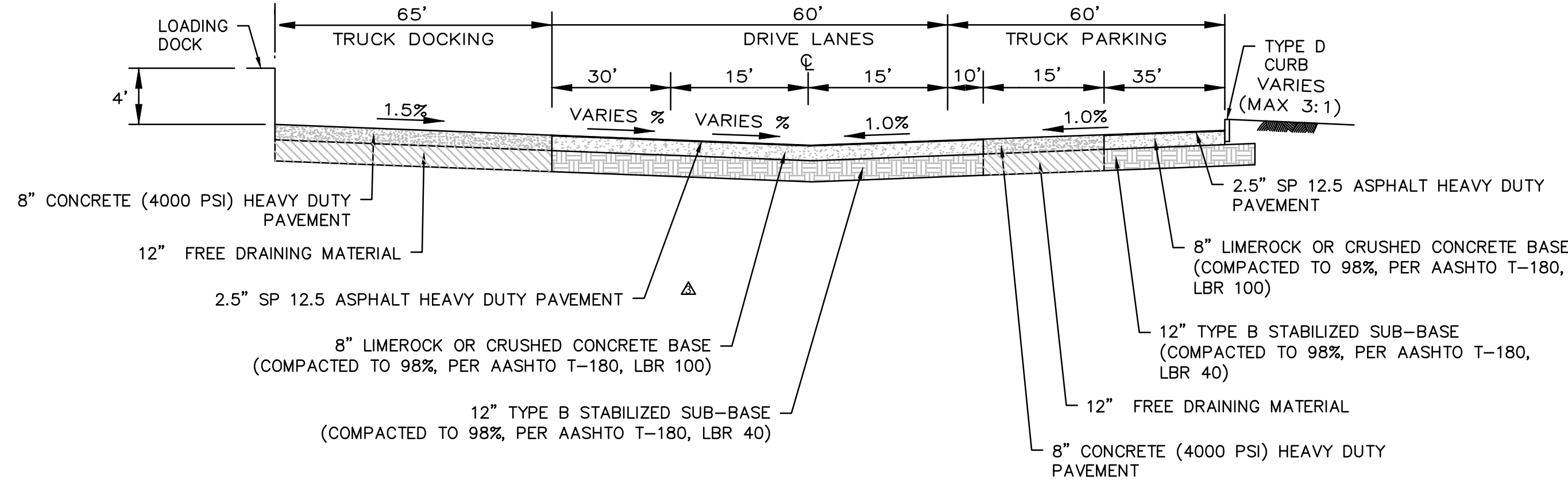
DESCRIPTION	PROPOSED
CONCRETE HEAVY DUTY PAVEMENT	
ASPHALT HEAVY DUTY PAVEMENT	
ASPHALT LIGHT DUTY PAVEMENT	
CFX ACCESS ROAD	
ASPHALT HEAVY DUTY PAVEMENT (PETERSON ROAD)	



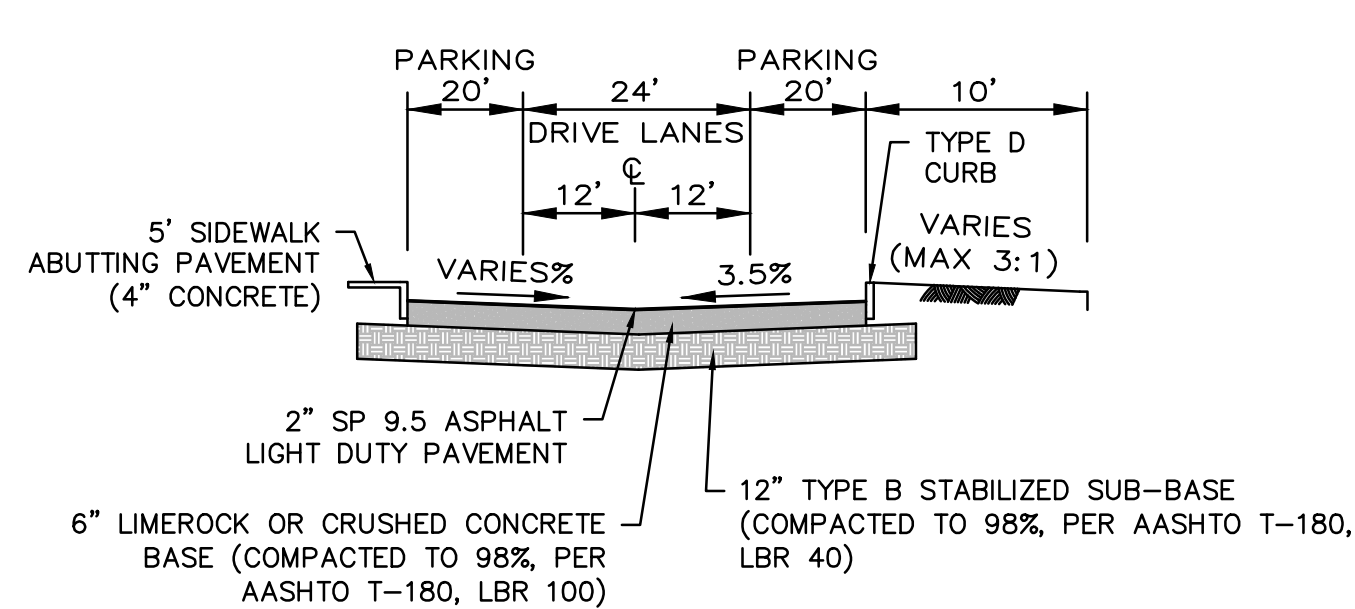
ROADWAY SECTION A-A



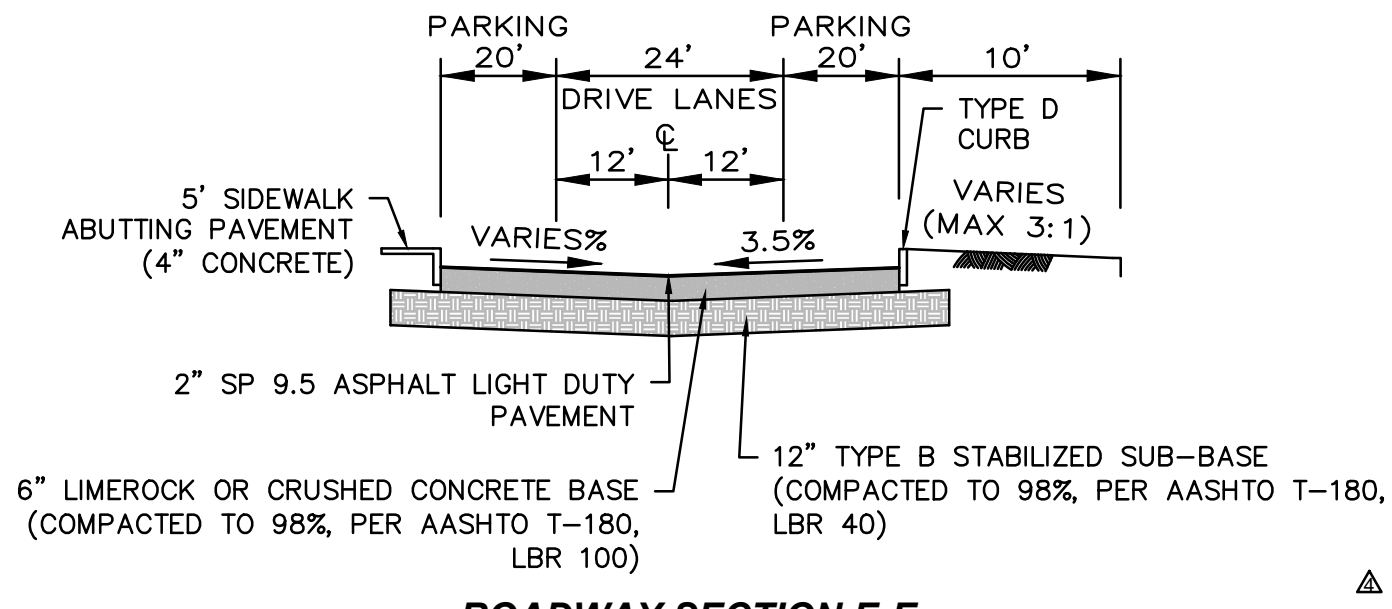
ROADWAY SECTION B-B



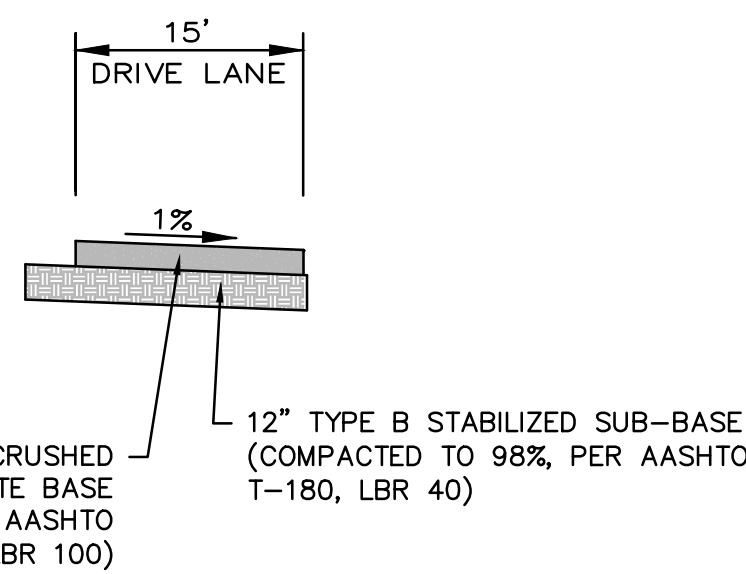
ROADWAY SECTION C-C



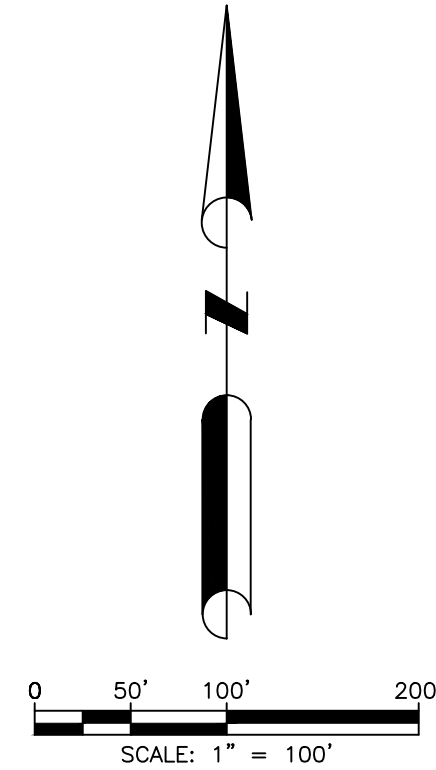
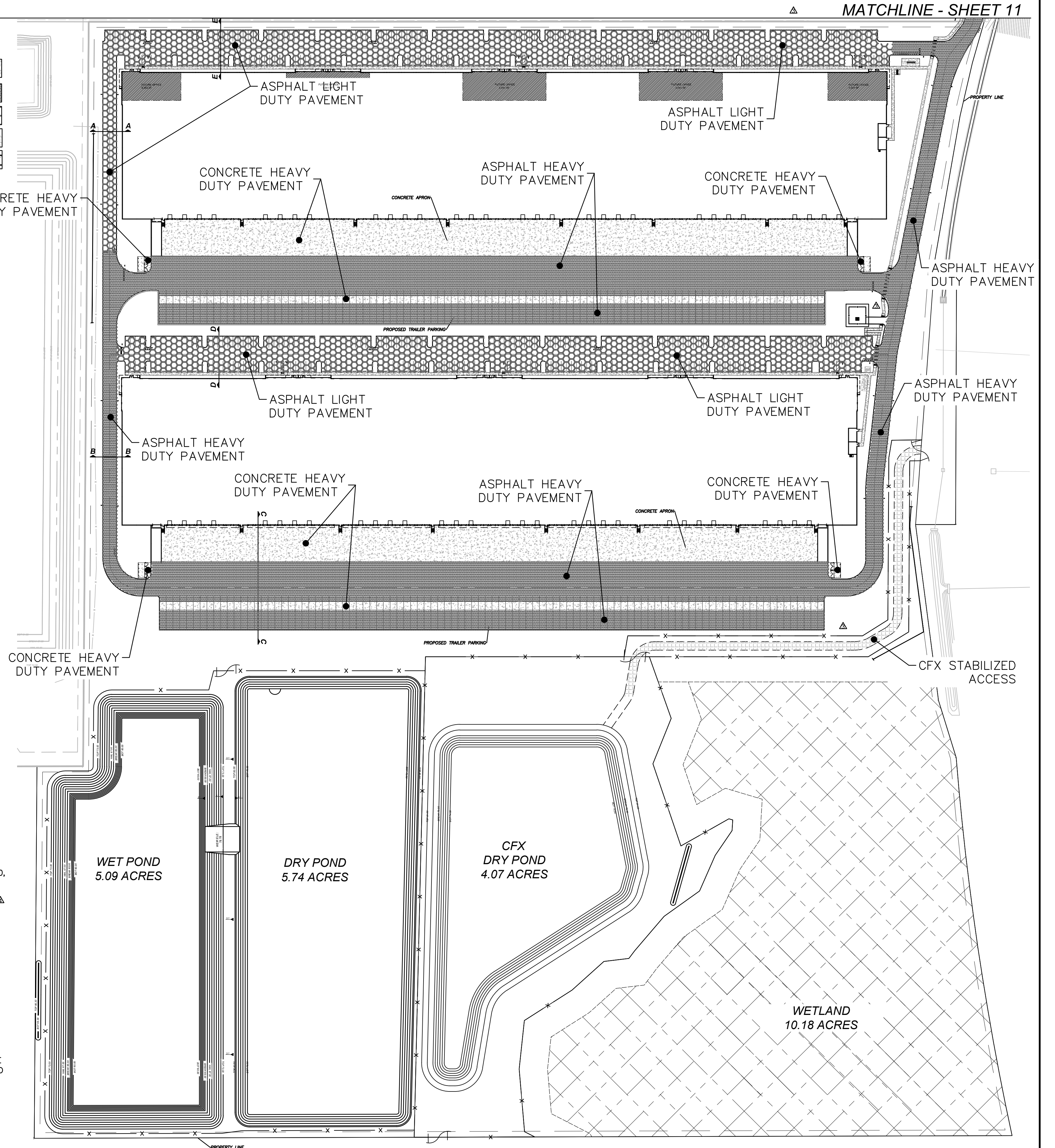
ROADWAY SECTION D-D



ROADWAY SECTION E-E



CFX ACCESS SECTION



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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
01/10/2023	DM	REV. PER CLIENT COMMENTS			
11/21/2023	DM	REV. PER CLIENT COMMENTS			

DAVE M. SCHMITT
FLORIDA REG. NUMBER
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PAVING PLAN
MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: 1" = 100'
SHEET: 10 OF 33



**EXPANSION JOINT BETWEEN CURB & CONCRETE PAVEMENT:
FOR CURB, GUTTER AND CURB & GUTTER PROVIDE 1/8"-1/4"
CONTRACTION JOINTS AT 10' CENTERS(MAX.). CONTRACTION
JOINTS ADJACENT TO THE CONCRETE PAVEMENT ON TANGENTS
AND FLAT CURVES ARE TO MATCH THE PAVEMENT JOINTS, WITH
INTERMEDIATE JOINTS NOT TO EXCEED 15' CENTERS**

DESCRIPTION

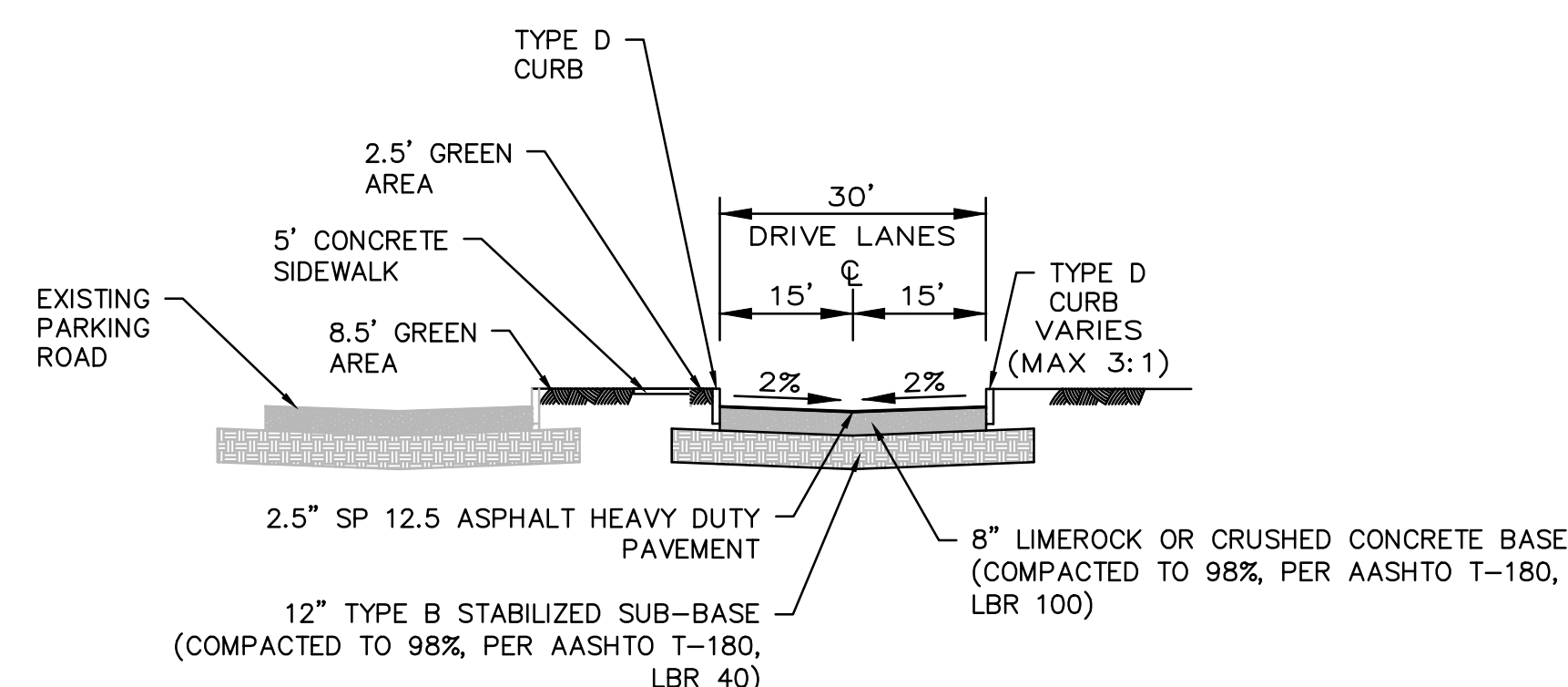
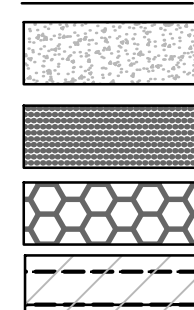
CONCRETE HEAVY DUTY PAVEMENT

ASPHALT HEAVY DUTY PAVEMENT

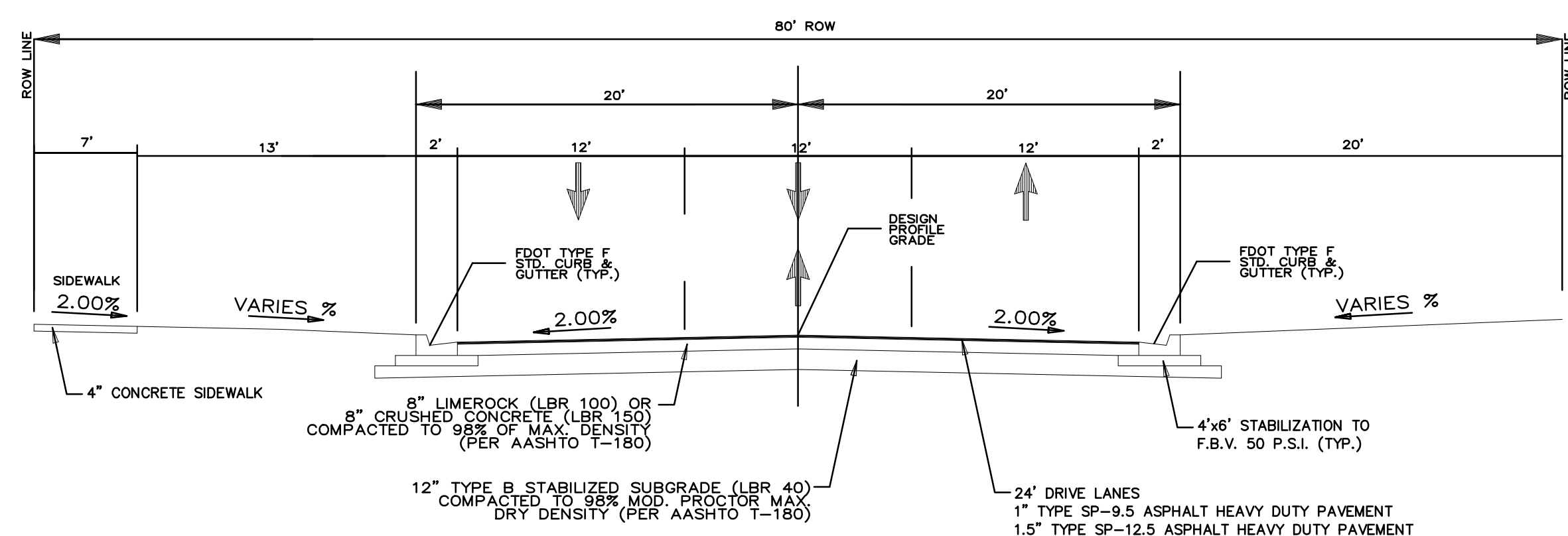
ASPHALT LIGHT DUTY PAVEMENT

ASPHALT HEAVY DUTY PAVEMENT
(PETERSON ROAD)

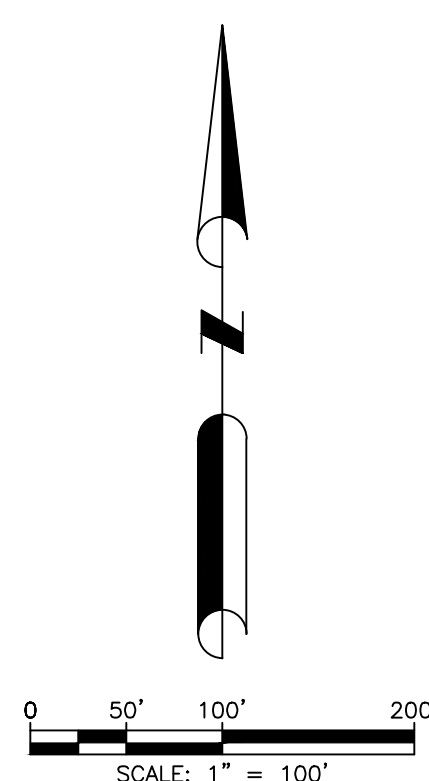
PROPOSED



ROADWAY SECTION A-A



ROADWAY SECTION B-B (PETERSON ROAD)



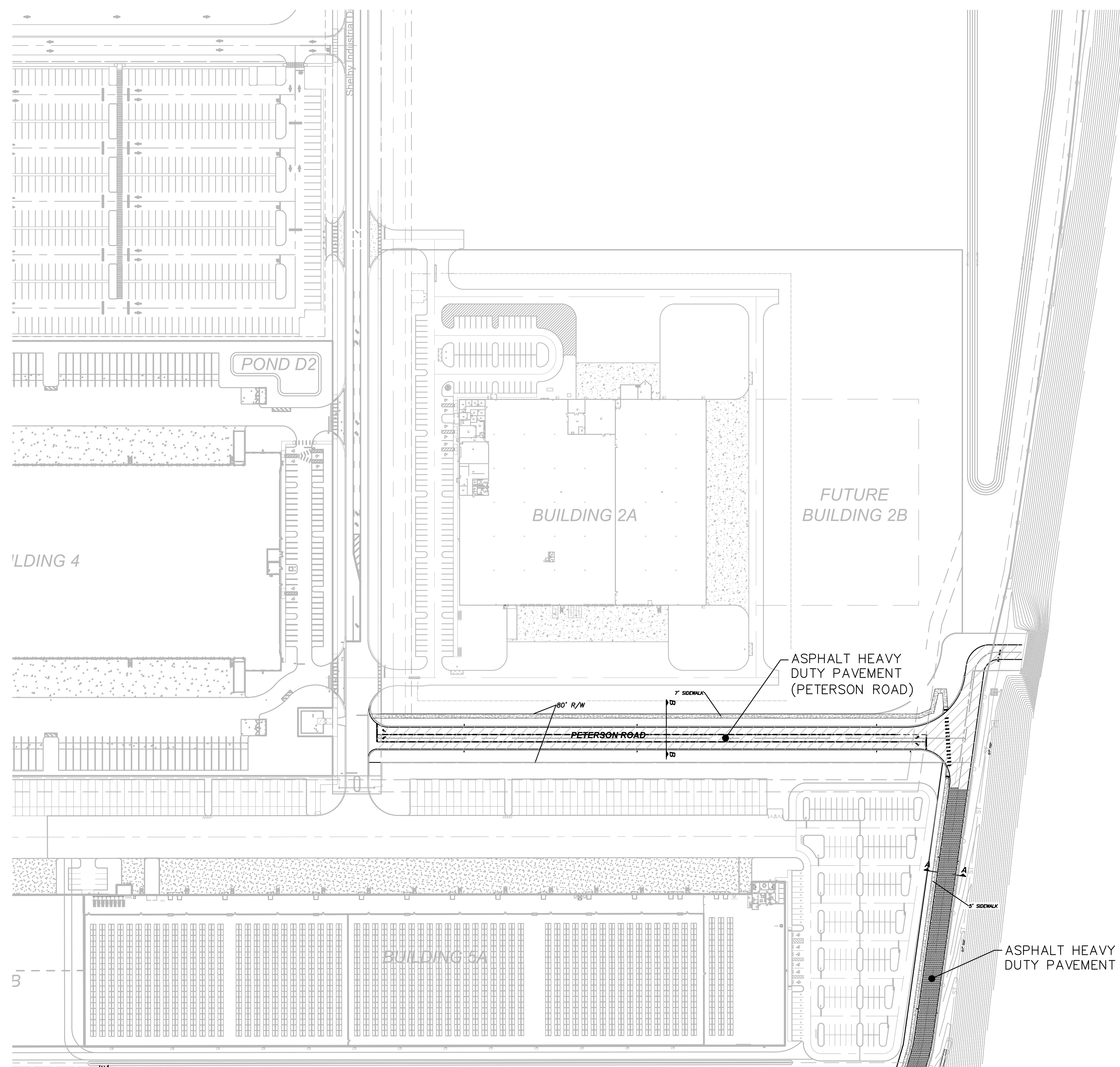
**DAVE SCHMITT
ENGINEERING, INC.**
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
			11/21/2023	DM	REV. PER CLIENT COMMENTS

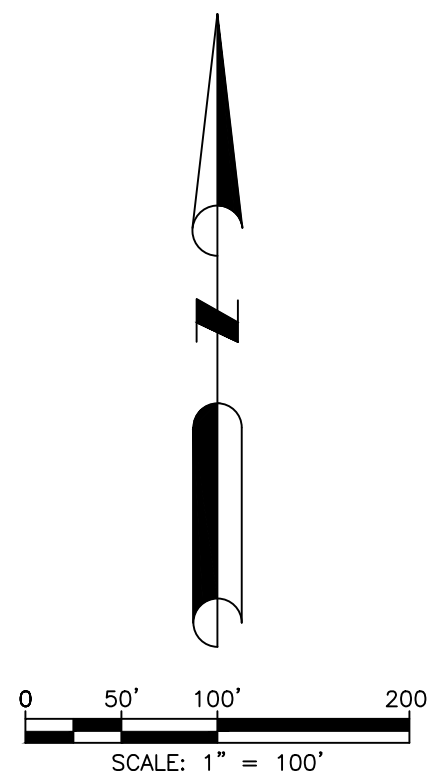
DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

OFFSITE PAVING PLAN
MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: 1" = 100'
SHEET: 11 OF 33



MATCHLINE - SHEET 10



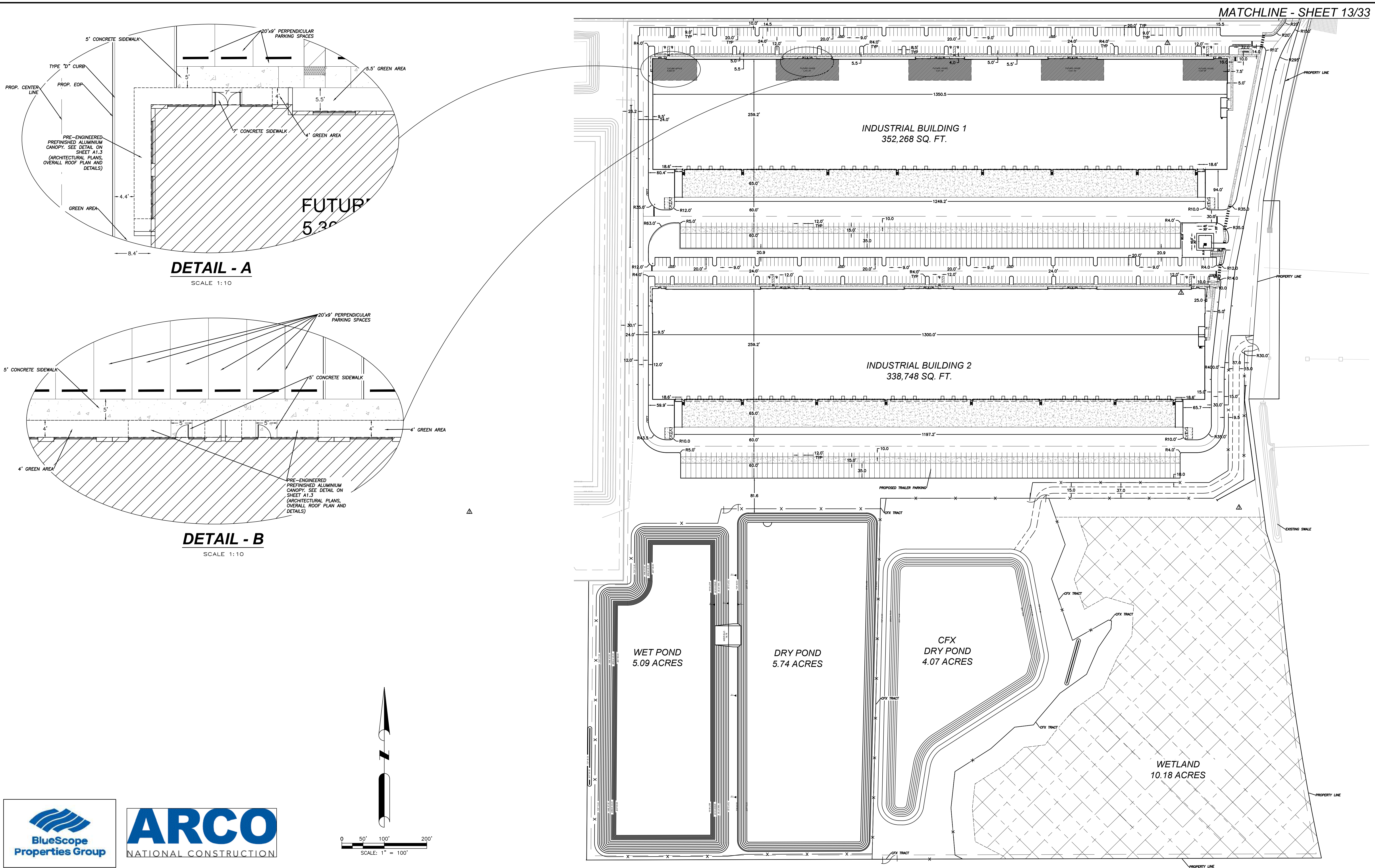
**DAVE SCHMITT
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407-207-9088 FAX 407-207-9089
Certification of Authorization #27471

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
			11/21/2023	DM	REV: PER CLIENT COMMENTS

DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

DIMENSION PLAN-1
MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: 1" = 100'
SHEET: 12 OF 33

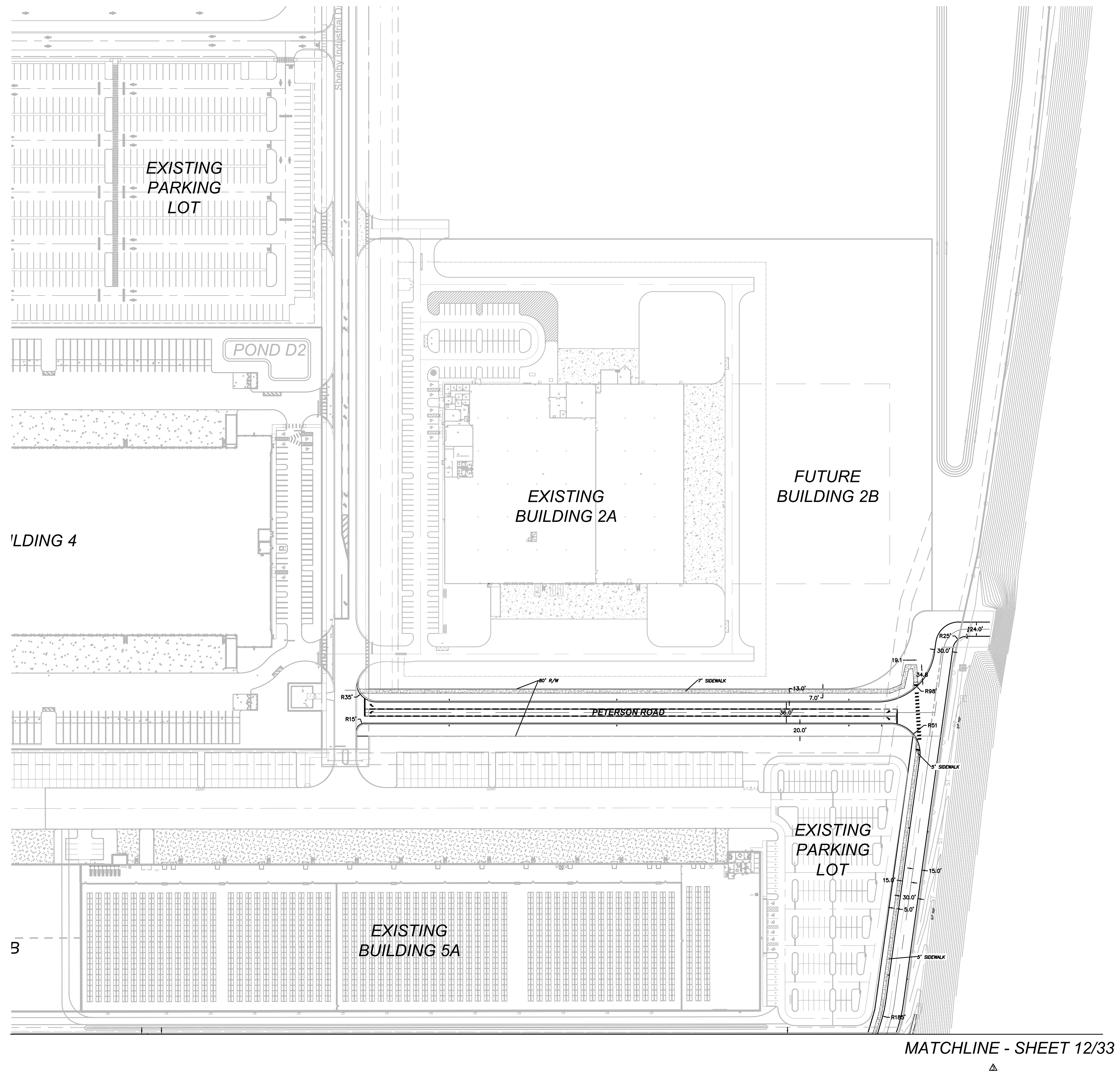
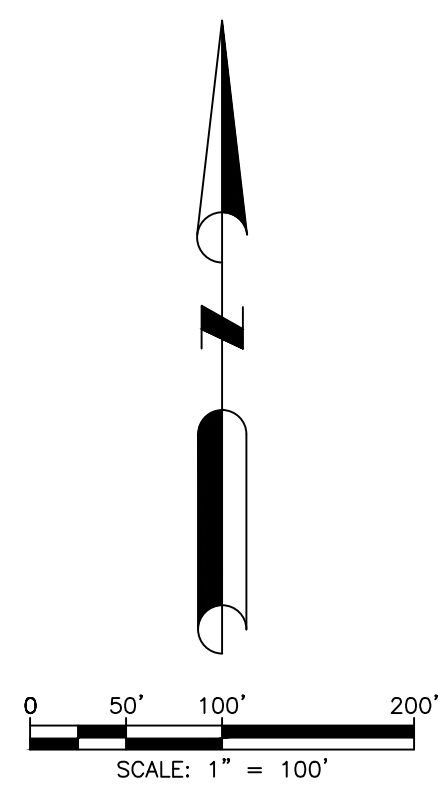


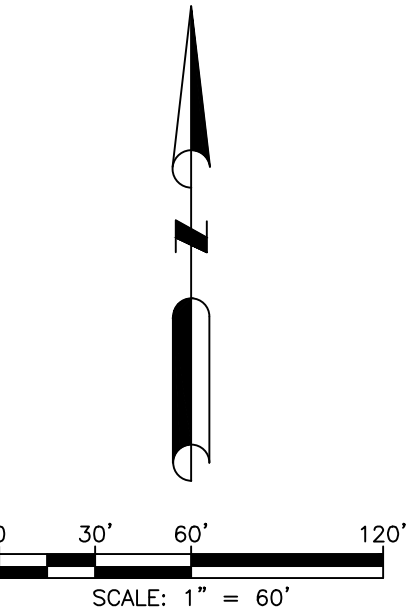


REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
			11/21/2023	DM	REV: PER CLIENT COMMENTS

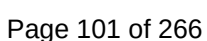
DIMENSION PLAN-2
MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

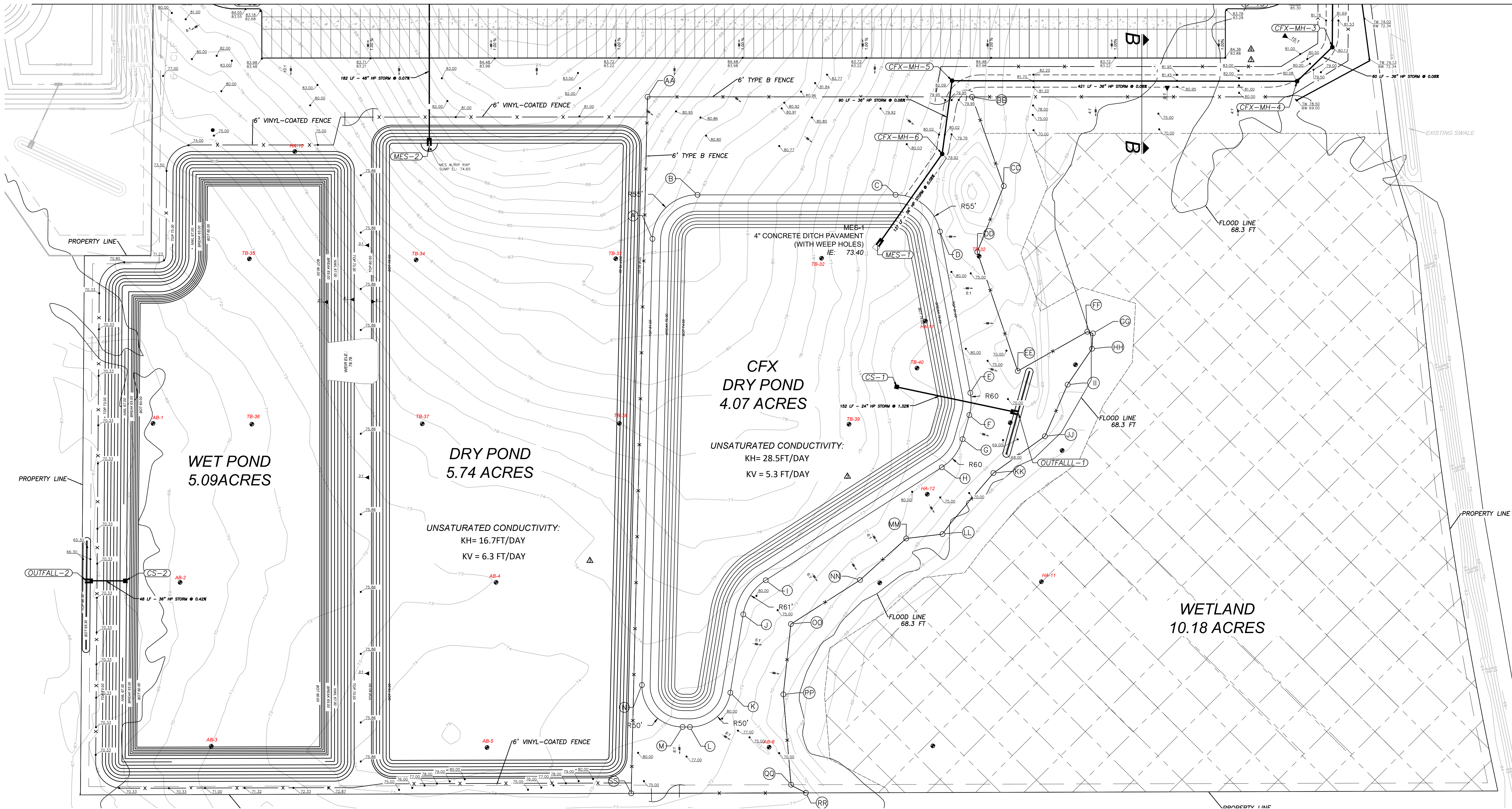
DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: 1" = 100'
SHEET: 13 OF 33





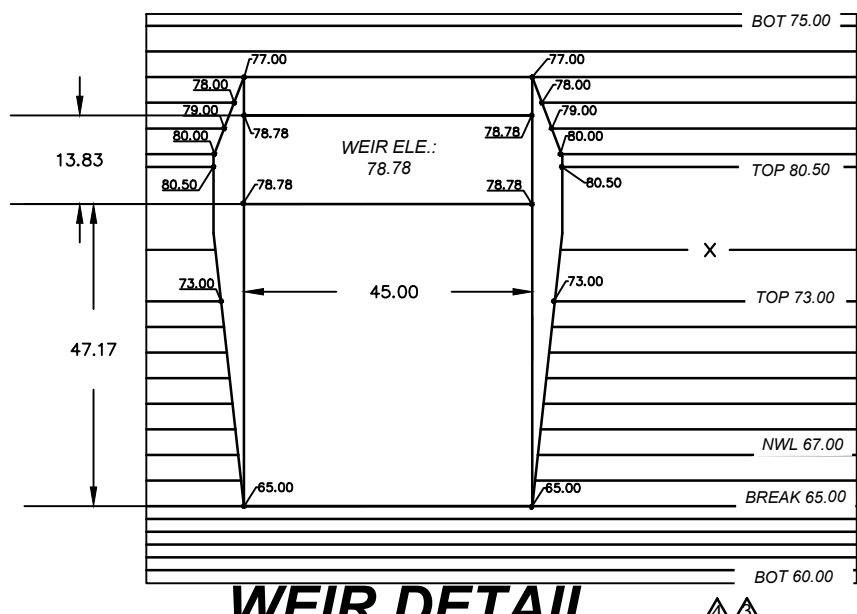
DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: 1" = 60'
SHEET: 14 OF 33





LEGEND

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



DRAINAGE STRUCTURE DATA

CFX-MH-3 DRAINAGE MANHOLE N: 1579986.93 E: 476474.27 TOP EL: 80.13 N INV EL: 73.96 SW INV EL: 73.96	CFX-MH-4 DRAINAGE MANHOLE N: 1579945.24 E: 476431.09 TOP EL: 80.08 NE INV EL: 73.91 W INV EL: 73.91	CFX-MH-5 DRAINAGE MANHOLE N: 1579946.03 E: 476010.22 TOP EL: 82.09 TOP EL: 82.09 S INV EL: 73.57	CFX-MH-6 DRAINAGE MANHOLE N: 1579856.67 E: 475998.18 TOP EL: 79.92 N INV EL: 73.50 SW INV EL: 73.50	CS-1 CONTROL STRUCTURE TYPE "D" N: 15798572.48 E: 475942.69 TOP EL: 80.00 E INV EL: 70.00
MES-1 MES N: 1579744.85 E: 475919.33 INV EL: 73.39	OUTFALL-1 MES N: 1579540.75 E: 476091.06 INV EL: 68.00	CS-2 CONTROL STRUCTURE TYPE "C" N: 1579335.70 E: 475001.63 TOP EL: 72.00 W INV EL: 65.50	MES-2 MES N: 1579868.36 E: 475372.51 INV EL: 74.65	OUTFALL-2 MES N: 1579335.85 E: 474933.84 TOP EL: 71.47 E INV EL: 65.30

NOTE: ALL STORM WATER PIPE JOINTS AND BOX INLETS SHALL BE WRAPPED WITH FDOT APPROVED FILTER FABRIC PER FDOT INDEX 430-001.



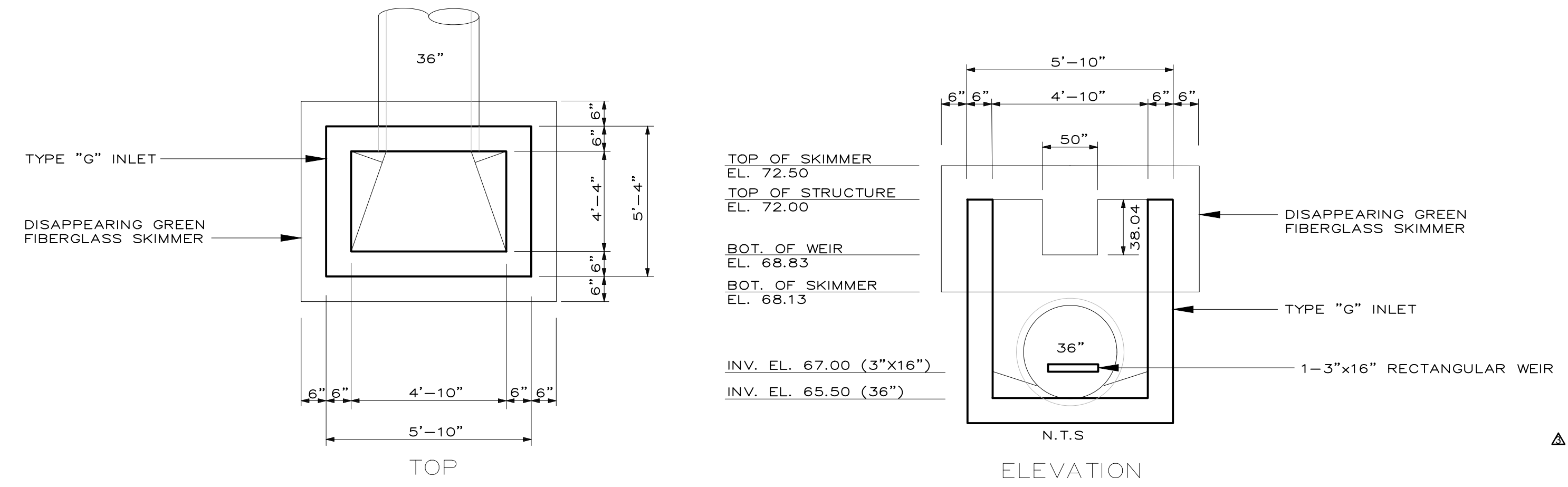
DAVE SCHMITT ENGINEERING, INC.
12301 LAKE UNDERHILL ROAD
SUITE 241
ORLANDO, FL 32828
407-207-9088 FAX 407-207-9089
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REVISIONS				REVISIONS			
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY
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			11/21/2023	DM	REV. PER CLIENT COMMENTS		
			09/15/2023	DM	REV. PER CITY COMMENTS		

DAVE M. SCHMITT
FLORIDA REG. NUMBER
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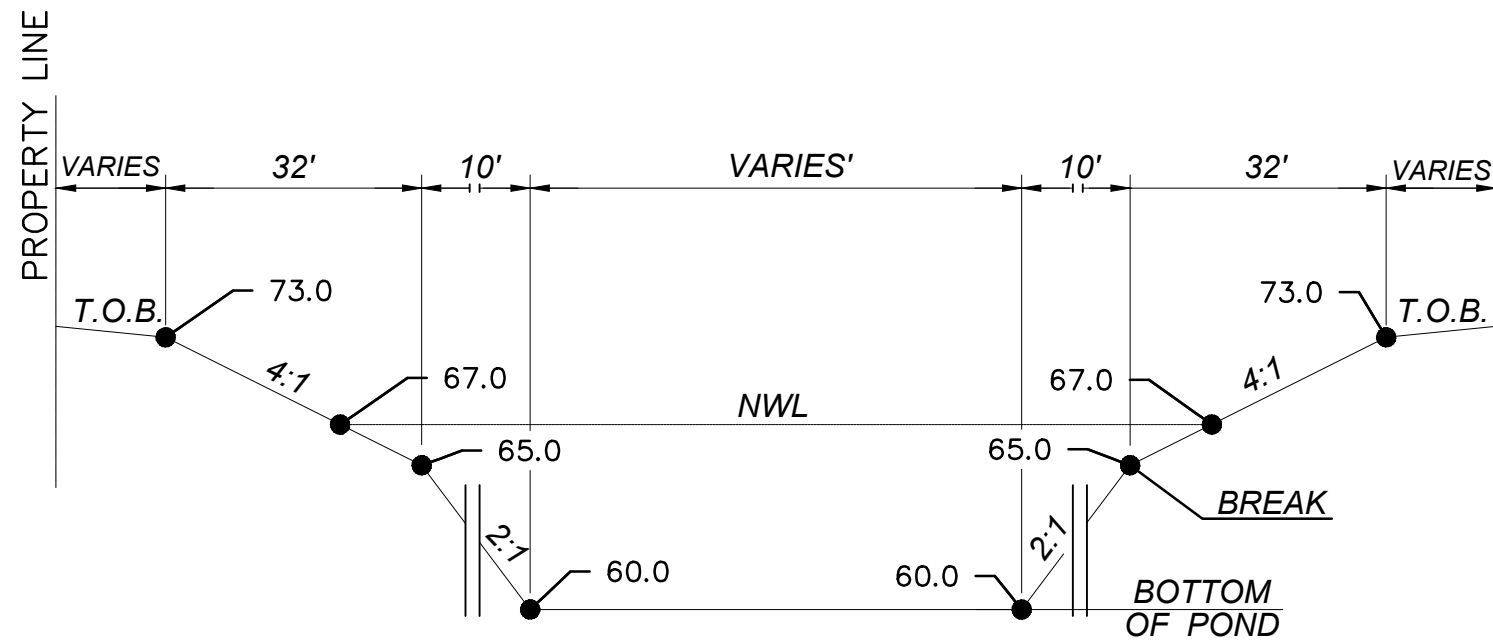
GRADING & DRAINAGE PLAN - 3
MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: 1" = 60'
SHEET: 16 OF 33



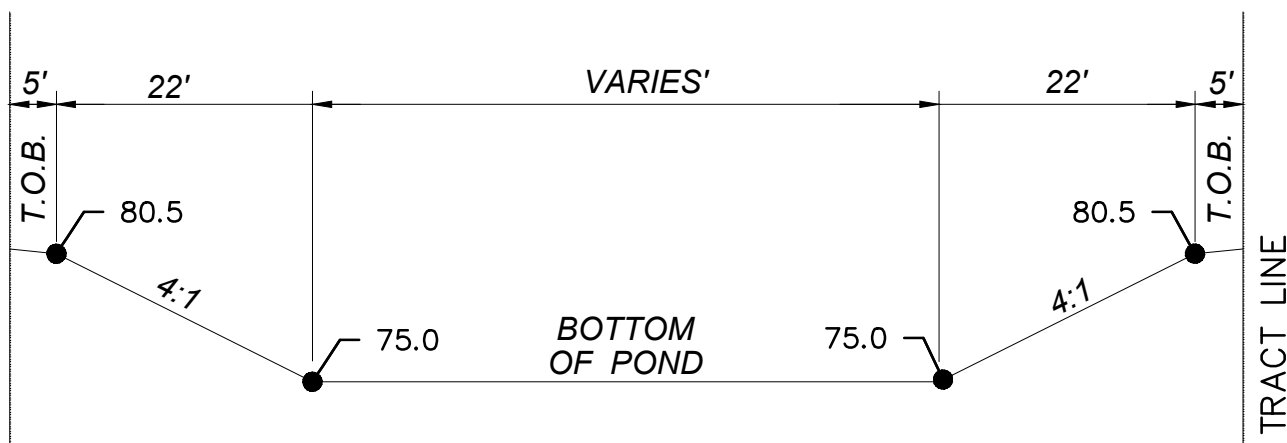
CS-2 POND CONTROL STRUCTURE

N.T.S



TYPICAL WET POND CROSS-SECTION

N.T.S



TYPICAL DRY POND CROSS-SECTION

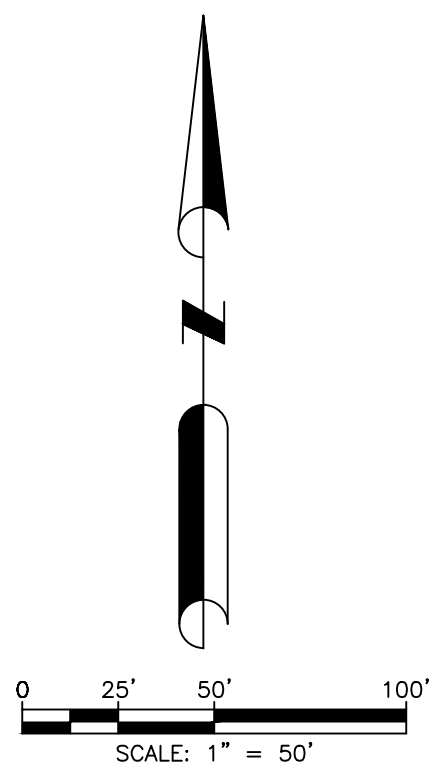
N.T.S

WET POND DATA

TOP OF BANK EL.	73.0
NORMAL WATER LEVEL EL.	67.0
BOTTOM OF POND EL.	60.0
MEAN/24HR. D.H.W. EL.	67.0
10YR./24HR. D.H.W. EL.	67.0
25 YR./24 HR. D.H.W. EL.	67.0
100YR./24HR. D.H.W. EL.	67.30

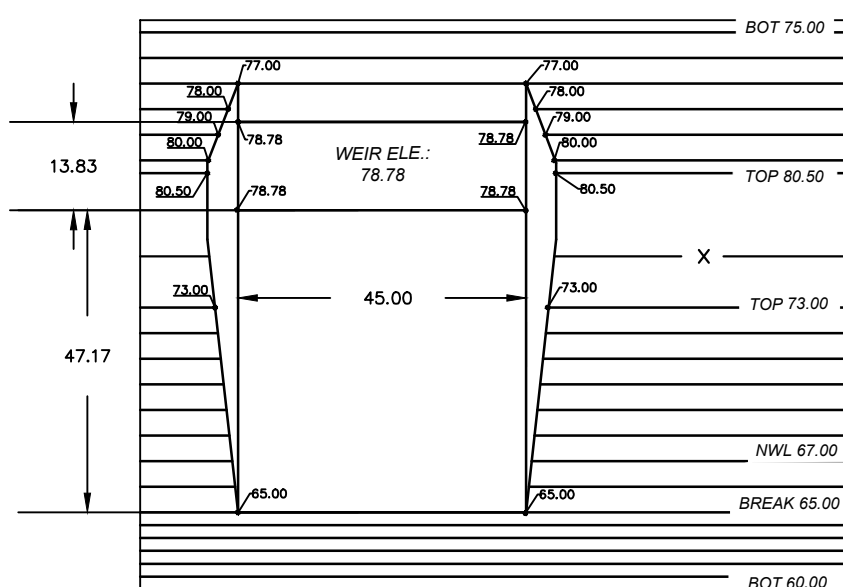
DRY POND DATA

TOP OF BANK EL.	80.50
BOTTOM OF POND EL.	75.00
MEAN/24HR. D.H.W. EL.	75.53
10YR./24HR. D.H.W. EL.	77.14
25 YR./24 HR. D.H.W. EL.	77.76
100YR./24HR. D.H.W. EL.	78.79



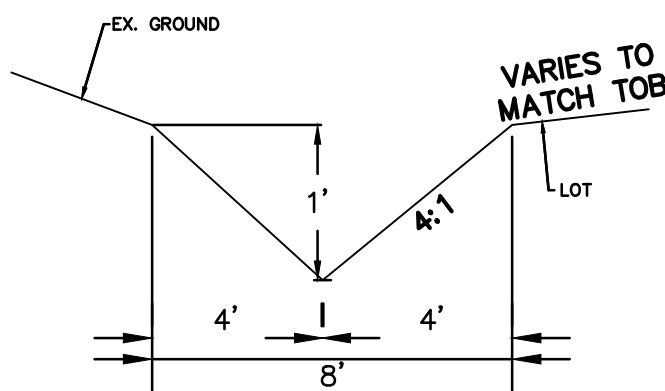
DRAINAGE STRUCTURE DATA

MES-2 MES N: 1579866.36 E: 475372.51 INV EL. = 74.65	CS-2 CONTROL STRUCTURE TYPE "G" N: 1579335.70 E: 475001.63 TOP EL: 72.00 W INV EL: 65.50	OUTFALL-2 MES N: 1579335.85 E: 474953.84 TOP EL: 71.47 E INV EL: 65.30
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WEIR DETAIL

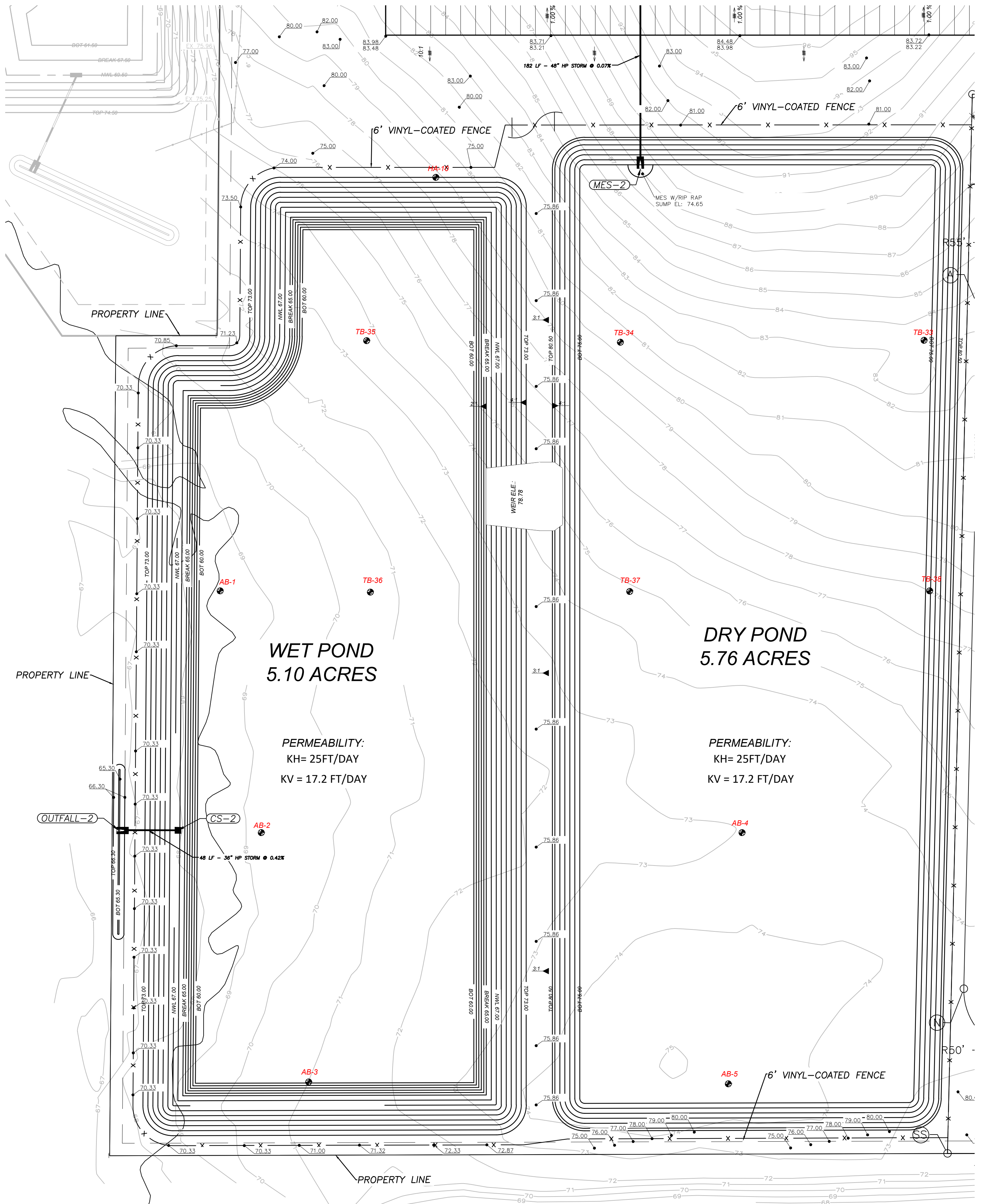
ESCALE 1: 30



TYPICAL SPREADER SWALE

CROSS SECTION

N.T.S



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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
			01/10/2023	DM	REV. PER CLIENT COMMENTS
			11/21/2023	DM	REV. PER CLIENT COMMENTS
			07/14/2023	DM	REV. PER CITY COMMENTS

DAVE M. SCHMITT
FLORIDA REG. NUMBER
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POND PLAN
MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

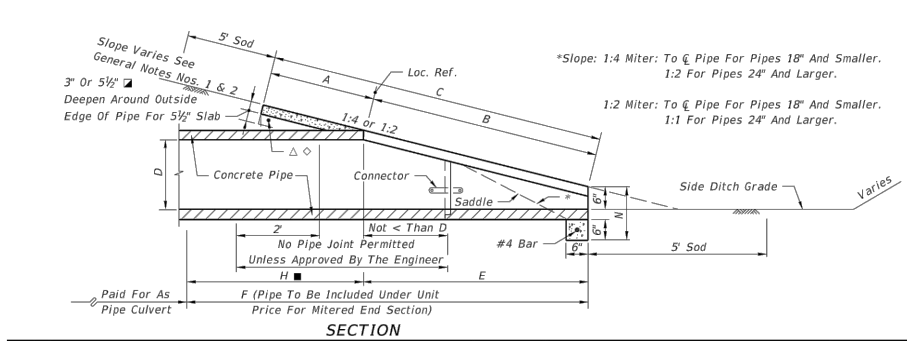
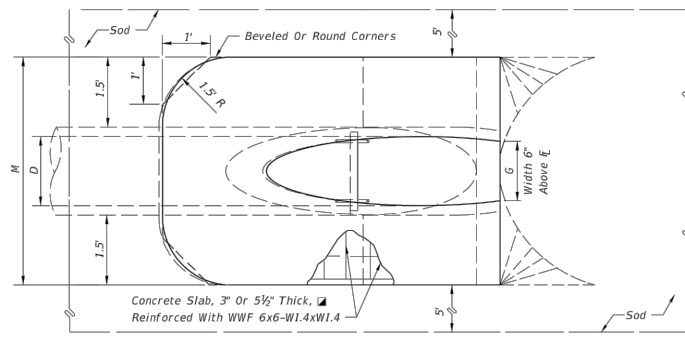
DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: 1" = 60'
SHEET: 17 OF 33

PROPOSE CFX TRACT GEOMETRY POINTS

POND POINTS	EASTING, NORTHING	POND POINTS	EASTING, NORTHING
A	475644.63/1579752.98	J	475755.41/1579294.70
B	475699.62/1579806.69	K	475739.69/1579199.19
C	475941.35/1579806.69	L	475690.35/1579157.32
D	475995.40/1579761.86	M	475681.42/1579157.39
E	476032.41/1579565.23	N	475631.86/1579208.56
F	476031.24/1579538.01		
G	476023.03/1579508.58		
H	475997.64/1579474.21		
I	475782.84/1579336.40		

TRAC POINTS		EASTING, NORTHING		TRAC POINTS		EASTING, NORTHING	
AA	475638.70/1579926.32	JJ	476123.49/1579512.10				
BB	476034.52/1579926.32	KK	476060.69/1579467.17				
CC	476073.20/1579817.37	LL	475998.48/1579392.72				
DD	476040.99/1579736.95	MM	475954.20/1579387.44				
EE	476090.33/1579591.67	NN	475897.91/1579336.73				
FF	476175.19/1579639.67	OO	475813.59/1579282.93				
GG	476182.02/1579637.64	PP	475804.36/1579197.09				
HH	476180.96/1579618.86	QQ	475813.87/1579086.28				
II	476151.14/1579575.02	RR	475831.90/1579076.98				
		SS	475618.75/1579076.39				⚠

TRACT	DESCRIPTION	OWNERSHIP	MAINTAINED	ACREAGE
A	37' CFX DRAINAGE EASEMENT	DEVELOPER	CFX	0.76
B	CFX POND TRACT	CFX	CFX	6.16
				6.92



N.T.S

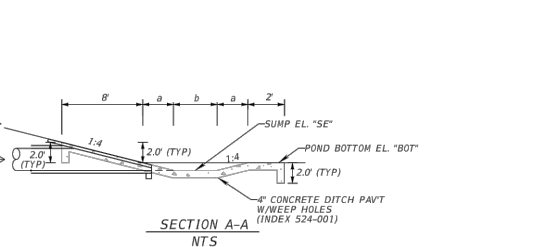
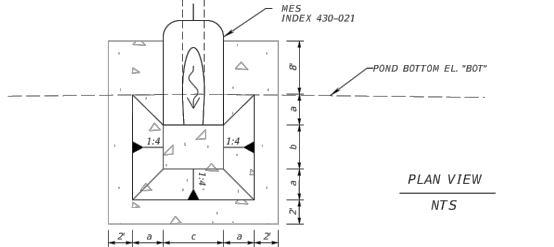
D-8	D-9	D-10	D-10A	D-11	D-11A	D-12
DRAGMAN MANHOLE	TYPE "C" INLET	TYPE "C" INLET	TYPE "C" INLET	TYPE "C" INLET	TYPE "C" INLET	TYPE "C" INLET
N: 158050.915	N: 158051.67	N: 158051.67	N: 158051.67	N: 158046.913	N: 158046.913	N: 158046.313
E: 47632.88	E: 47632.88	E: 47632.88	E: 47632.88	E: 476457.28	E: 476457.28	E: 476457.28
TOP EL: 96.93	TOP EL: 96.87	TOP EL: 93.95	TOP EL: 94.11	TOP EL: 88.54	TOP EL: 87.58	TOP EL: 87.20
S INV EL: 88.14	W INV EL: 88.14	W INV EL: 88.70	E INV EL: 88.70	N INV EL: 80.65	W INV EL: 80.75	E INV EL: 81.26
S INV EL: 88.04	N INV EL: 88.30	W INV EL: 88.80	E INV EL: 88.80	S INV EL: 80.55	E INV EL: 80.85	W INV EL: 81.36

D-13	D-14	D-15	D-15A	D-16	D-17	D-26
TYPE "C" INLET	TYPE "E" INLET	DRAINAGE MANHOLE	TYPE "E" INLET	TYPE "E" INLET	TYPE "E" INLET	TYPE "C" INLET
N: 158061.41	N: 1580157.28	N: 1580048.83	N: 1580048.83	N: 1580048.73	N: 1580048.82	N: 158016.98
E: 475983.59	E: 476342.15	E: 476043.89	E: 476208.42	E: 475906.35	E: 475690.93	E: 475806.92
TOP EL: 87.10	TOP EL: 84.45	TOP EL: 84.40	TOP EL: 82.47	TOP EL: 82.47	TOP EL: 82.47	TOP EL: 84.11
N INV EL: 78.65	N INV EL: 78.65	N INV EL: 77.95	N INV EL: 76.14	N INV EL: 75.70	N INV EL: 75.70	N INV EL: 89.57
E INV EL: 82.00	S INV EL: 78.12	S INV EL: 77.85	E INV EL: 76.04	W INV EL: 75.80	W INV EL: 75.30	

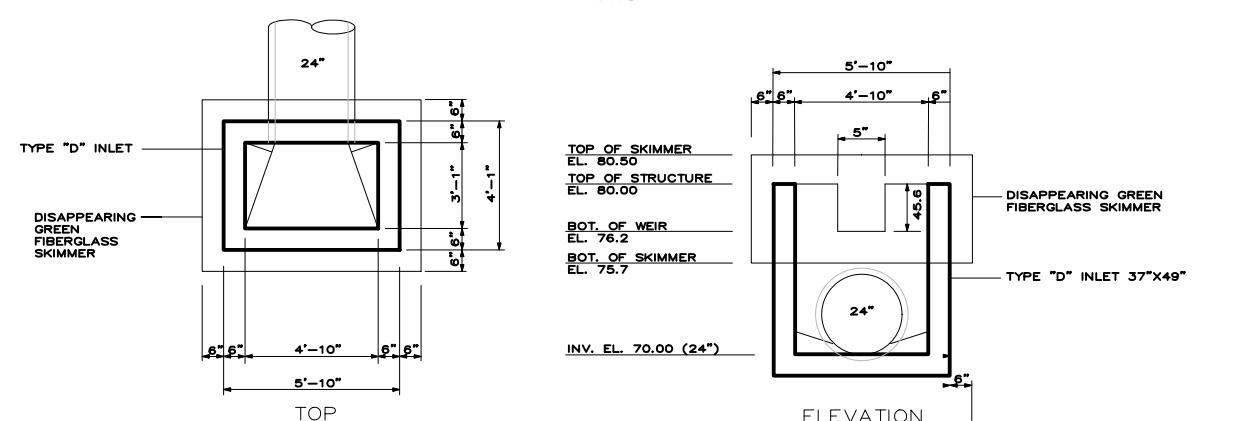
Type	CFX-MH-1	CFX-MH-1A	CFX-MH-2	CFX-MH-3	CFX-MH-4
D "c" INLET	DRAINAGE MANHOLE	DRAINAGE MANHOLE	DRAINAGE MANHOLE	DRAINAGE MANHOLE	DRAINAGE MANHOLE
N: 1580469.41	N: 1580469.41	N: 1580290.11	N: 1580289.70	N: 1579986.93	N: 1579945.24
E: 475958.37	E: 476541.11	E: 476535.00	E: 476475.75	E: 476474.27	E: 476431.09
TOP EL: 87.10	TOP EL: 80.58	TOP EL: 81.54	TOP EL: 81.53	TOP EL: 80.13	TOP EL: 80.08
W INV EL: 82.30	S INV EL: 74.41	N INV EL: 74.26	S INV EL: 74.21	SW INV EL: 73.96	W INV EL: 73.91

<u>CFX-MH-5</u>	<u>CFX-MH-6</u>	<u>MFS-1</u>	<u>CS-1</u>	<u>OUTFALL-1</u>
DRAINAGE MANHOLE	DRAINAGE MANHOLE	MES	CONTROL STRUCTURE	MES
N: 1579946.03	N: 1579856.67	N: 1579744.85	TYPE "D"	N: 1579540.75
E: 476010.22	E: 475998.18	E: 475919.33	N: 1579572.48	E: 476091.06
TOP EL: 82.09	TOP EL: 79.92	INV EL. = 73.39	E: 475942.69	INV EL. = 68.00
E INV EL: 73.57	N INV EL: 73.50		TOP EL: 80.00	
S INV EL: 73.57	SW INV EL: 73.50		E INV EL: 70.00	

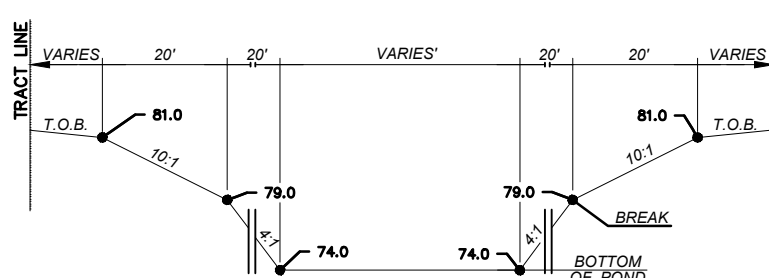
POND	STRUCTURE	BOT	SE	PIPE SIZE (IN)	DIMENSION		
					A (FT)	B (FT)	C (FT)
CFX	MES-1	74.0	73.39	36	4.84	4.00	7.50



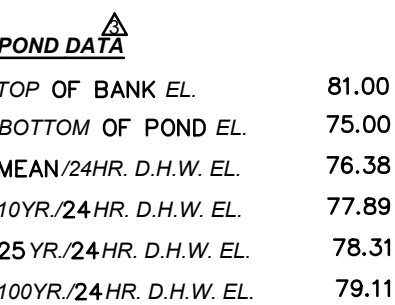
N.T.S



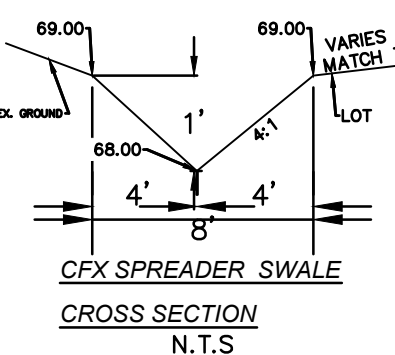
N.T.S



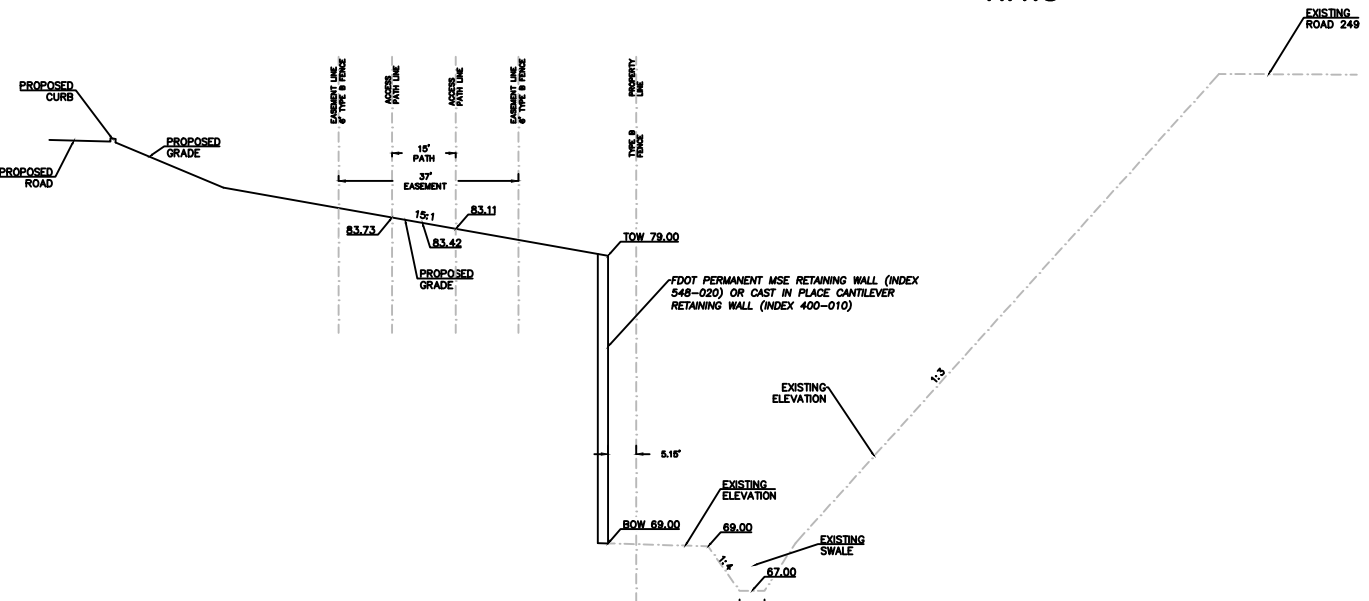
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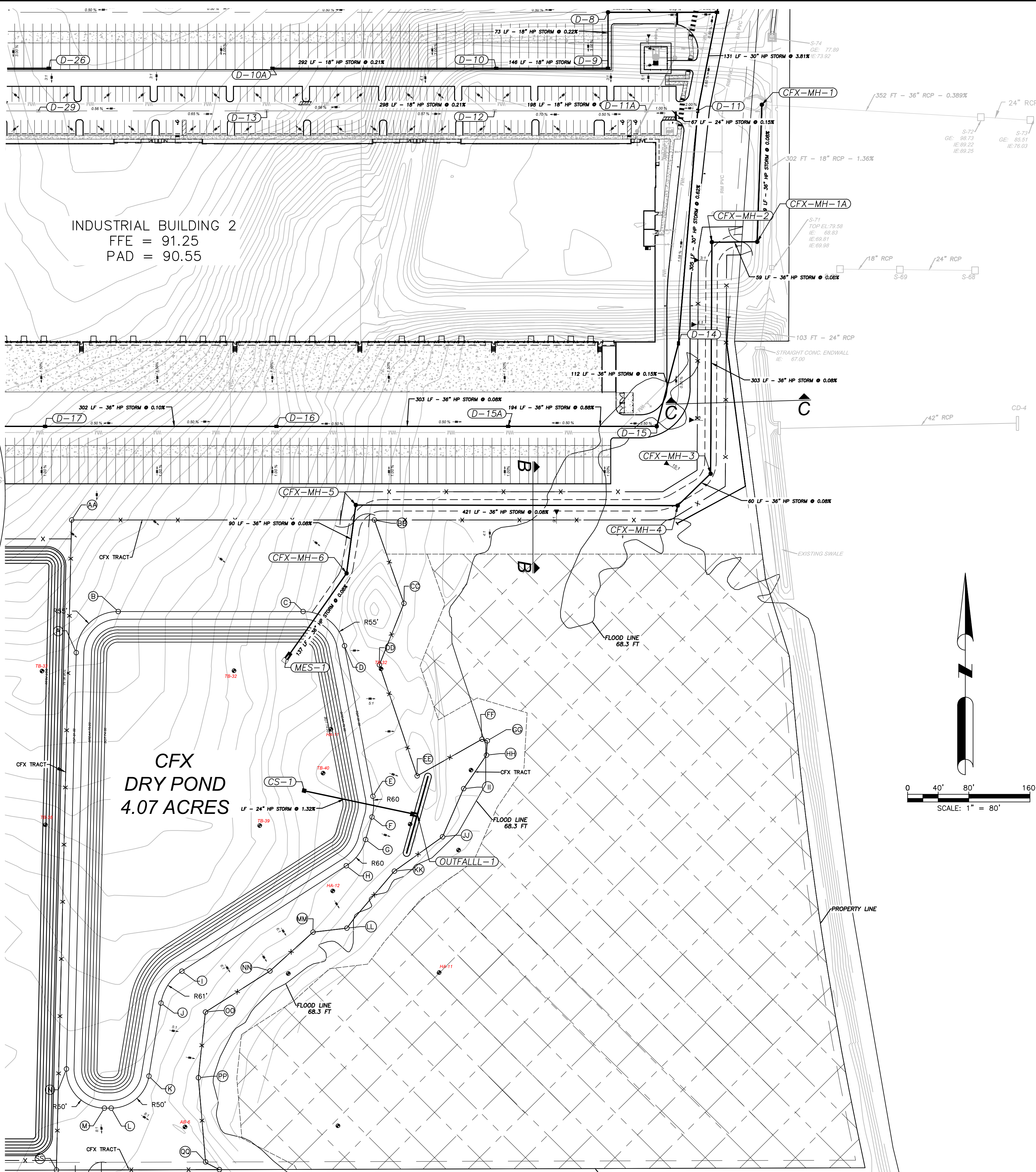
N.T.S



N.T.S



N.T.S



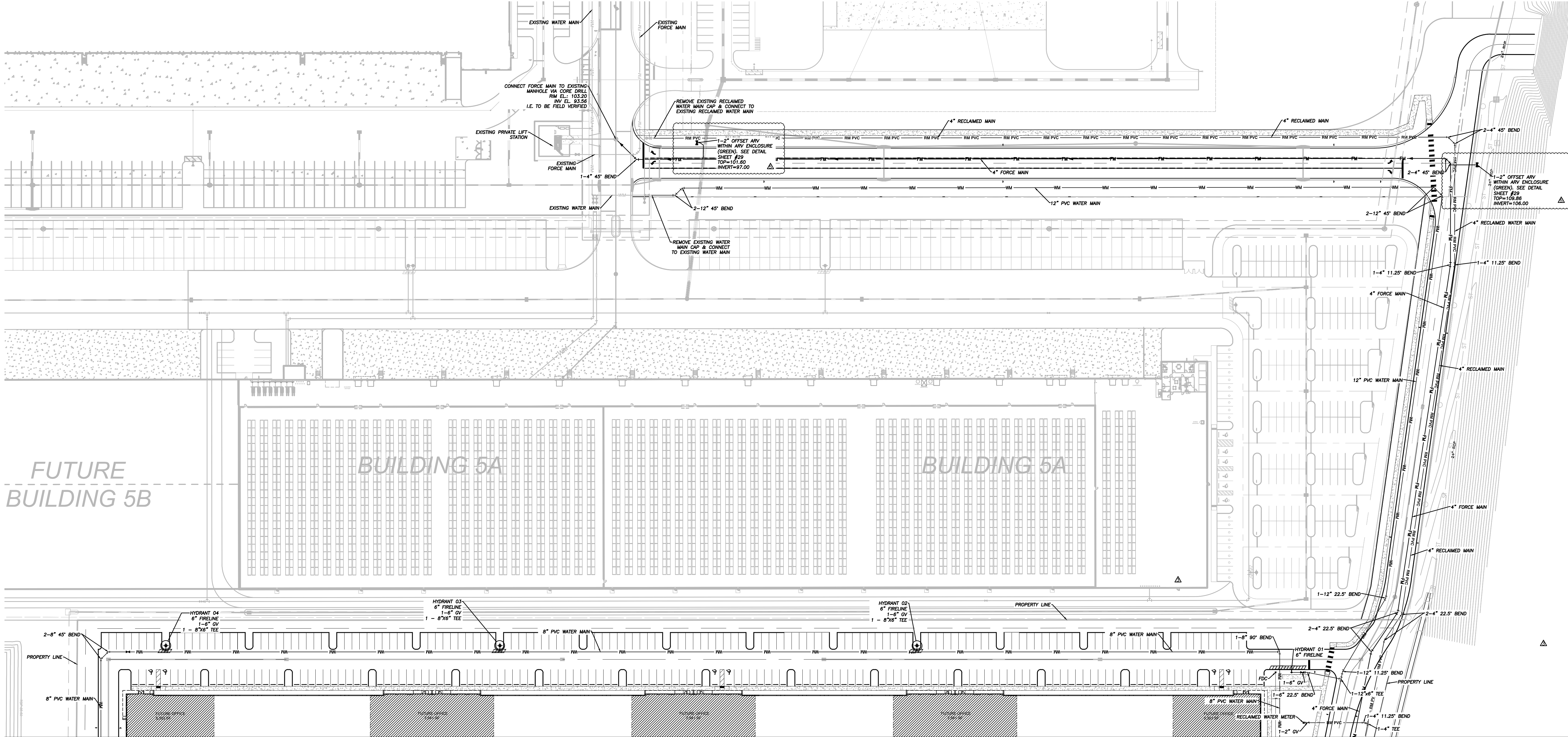
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
			01/10/2023	DM	REV. PER CLIENT COMMENTS
			11/21/2023	DM	REV. PER CLIENT COMMENTS

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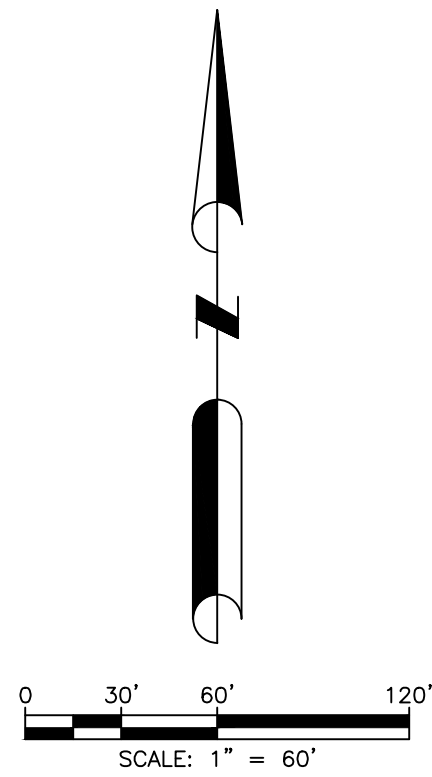
CFX POND PLAN
MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: 1" = 80'
SHEET: 18 OF 33

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MATCHLINE - SHEET 20/33



LEGEND

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



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11/21/2023	DM	REV. PER CLIENT COMMENTS			

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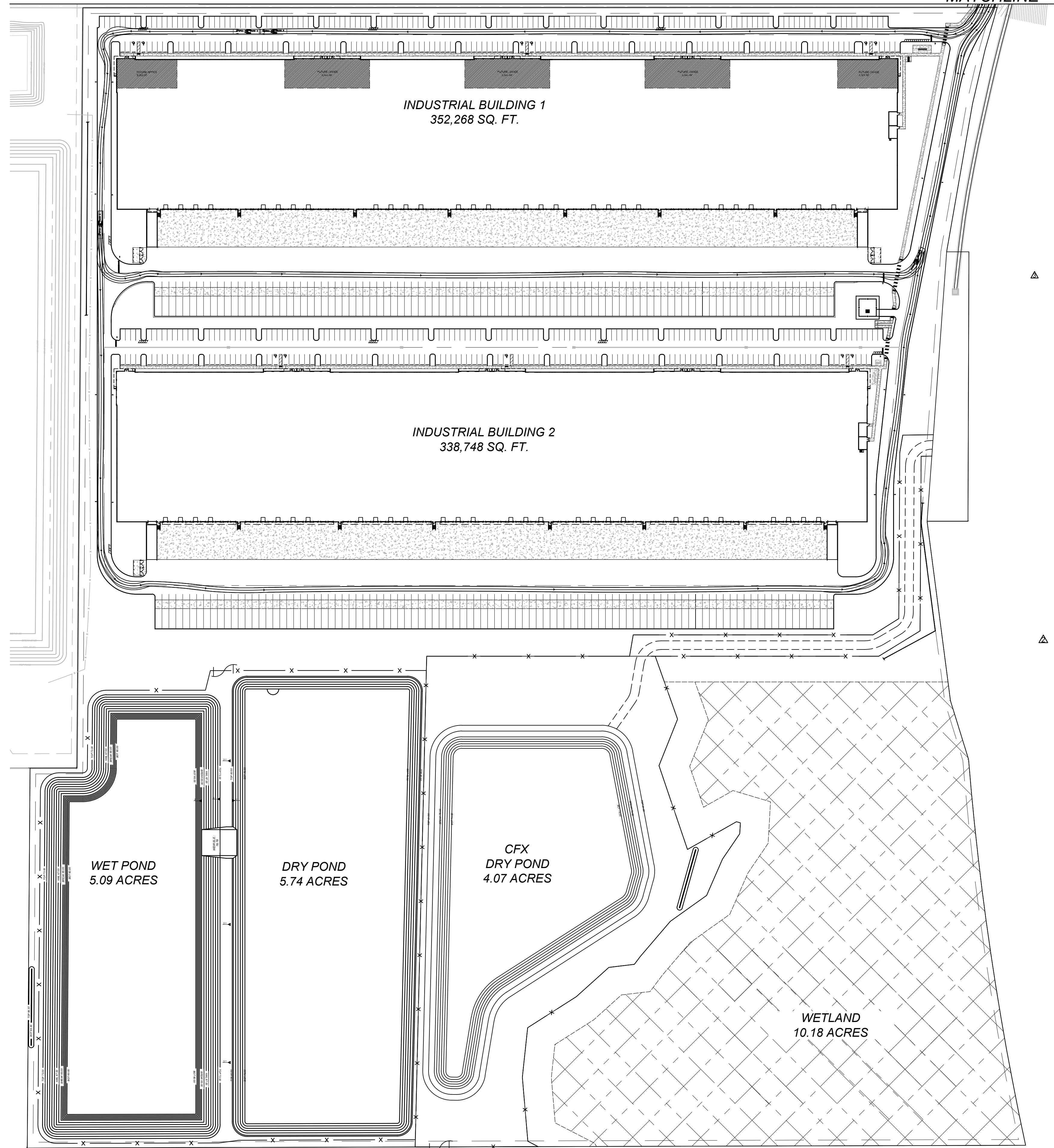
UTILITY PLAN - 1
MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: 1" = 60'
SHEET: 19 OF 33

1. FIRE DEPARTMENT ACCESS AND WATER SUPPLY SHALL COMPLY WITH NFPA 1 (2021 EDITION) AND FFPC (7TH EDITION).
2. THE NUMBER AND PLACEMENT OF REQUIRED FIRE HYDRANTS SHALL BE IN ACCORDANCE WITH NFPA 1 (2021 EDITION) AND FFPC (7TH EDITION).
3. ALL ROADWAYS AND FIRE HYDRANTS SHALL BE IN PLACE BEFORE BUILDING CONSTRUCTION MAY BEGIN.
4. FIRE HYDRANTS SHALL BE MARKED WITH BLUE ROAD REFLECTOR.
5. BUILDING WILL BE REQUIRED TO HAVE AN AUTOMATIC FIRE SPRINKLER SYSTEM.
6. BUILDING MUST BE MONITORED BY AN AUTOMATIC FIRE ALARM SYSTEM.
7. A LOCK BOX MUST BE PROVIDED NEAR THE FRONT DOOR.



	feet
Width	: 8.00
Track	: 8.50
Lock to Lock Time	: 6.0
Steering Angle	: 45.0



REVISIONS

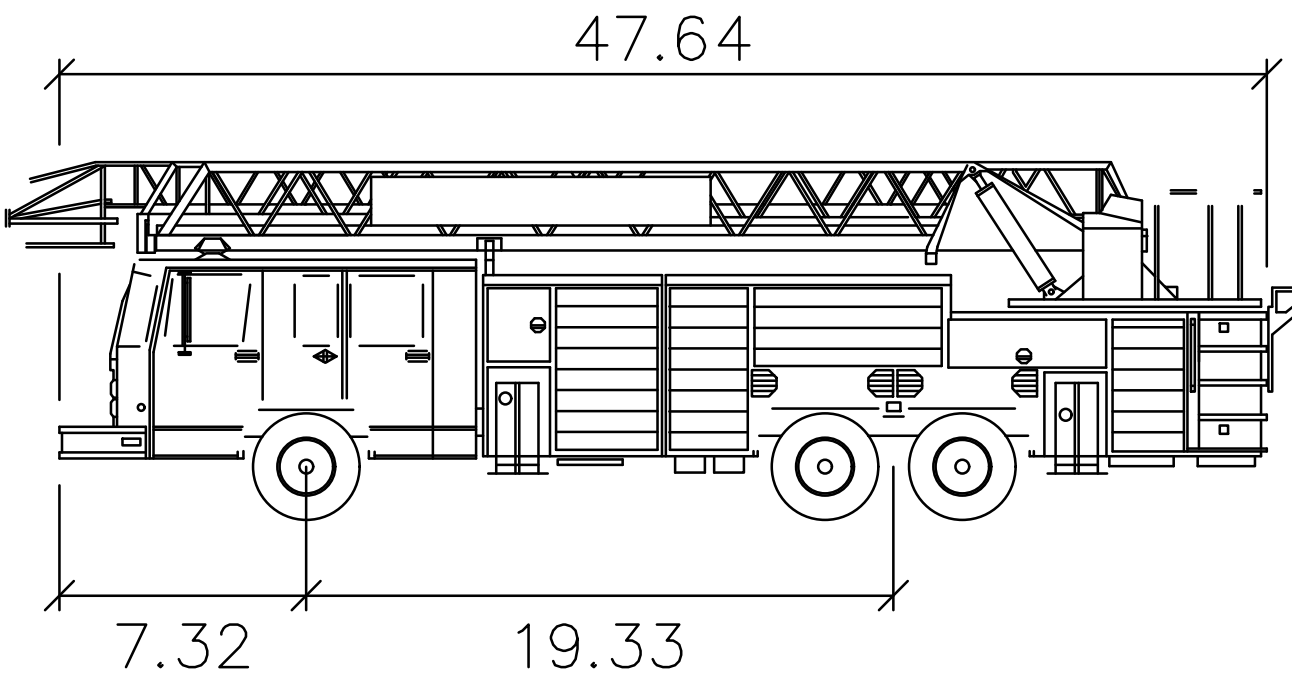
DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: 1" = 100'
SHEET: 21 OF 33

F:\ANC7\CAD\Planset\Final\21-22 FIRE TRUCK ROUTING PLAN.dwg, 2/15/2024 3:38:54 PM

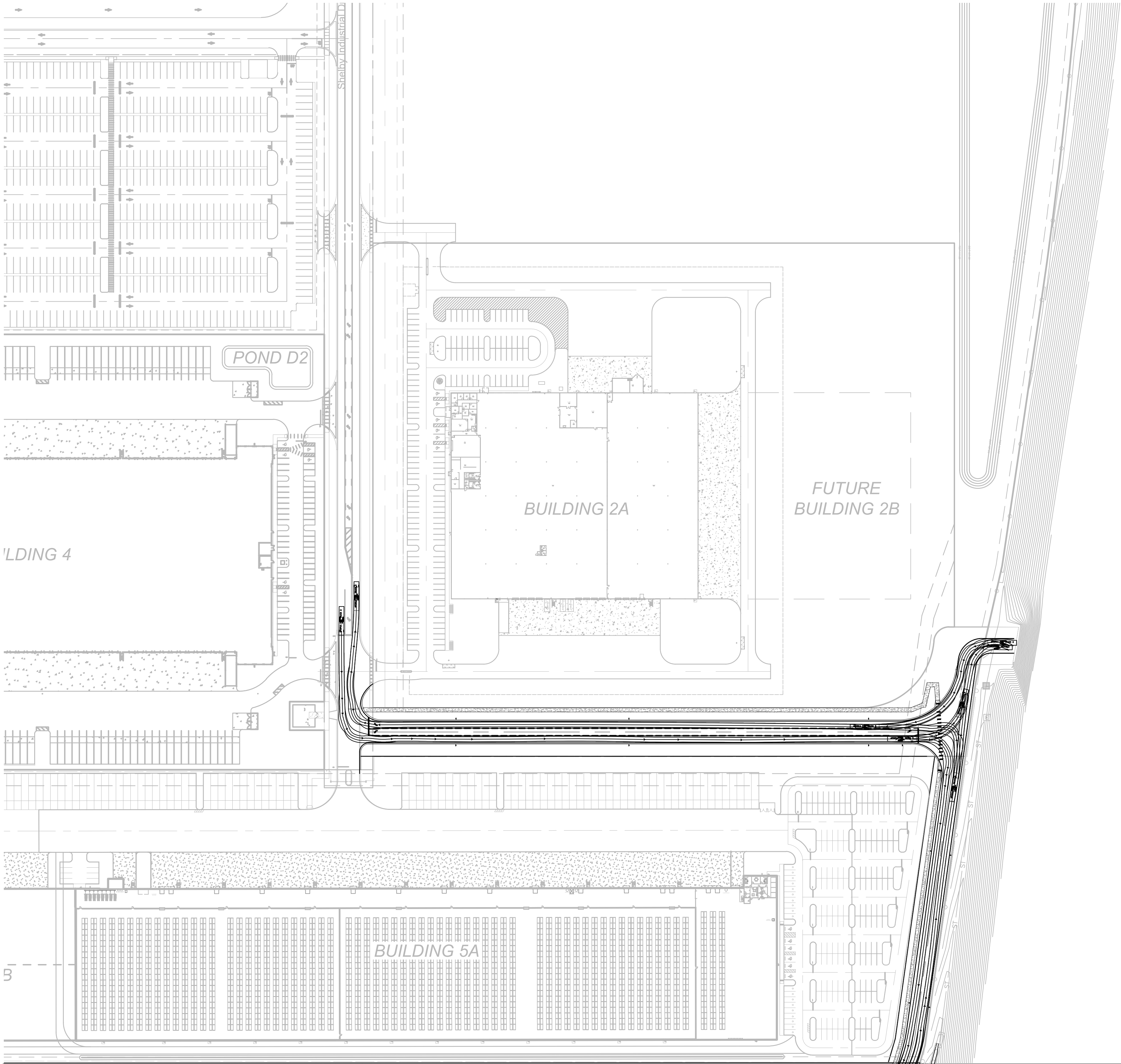
NOTES

- 1. FIRE DEPARTMENT ACCESS AND WATER SUPPLY SHALL COMPLY WITH NFPA 1 (2021 EDITION) AND FFPC (7TH EDITION).
- 2. THE NUMBER AND PLACEMENT OF REQUIRED FIRE HYDRANTS SHALL BE IN ACCORDANCE WITH NFPA 1 (2021 EDITION) AND FFPC (7TH EDITION).
- 3. ALL ROADWAYS AND FIRE HYDRANTS SHALL BE IN PLACE BEFORE BUILDING CONSTRUCTION MAY BEGIN.
- 4. FIRE HYDRANTS SHALL BE MARKED WITH BLUE ROAD REFLECTOR.
- 5. BUILDING WILL BE REQUIRED TO HAVE AN AUTOMATIC FIRE SPRINKLER SYSTEM.
- 6. BUILDING MUST BE MONITORED BY AN AUTOMATIC FIRE ALARM SYSTEM.
- 7. A LOCK BOX MUST BE PROVIDED NEAR THE FRONT DOOR.

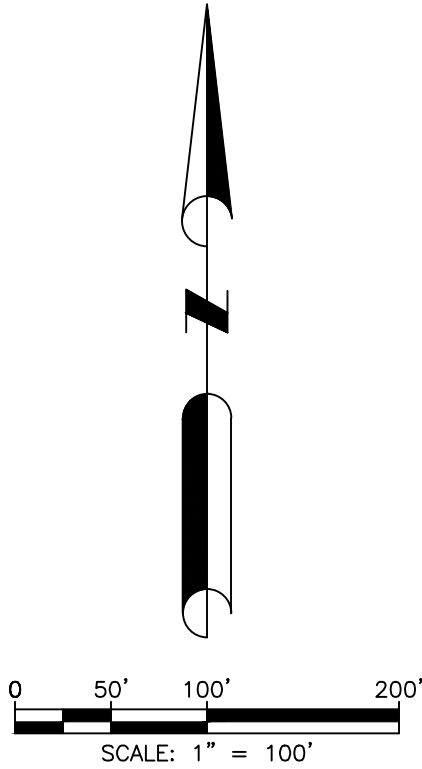


APOPKA FIRE TRUCK

- Width : 8.00
- Track : 8.50
- Lock to Lock Time : 6.00
- Steering Angle : 45.0



MATCHLINE - SHEET 21/33



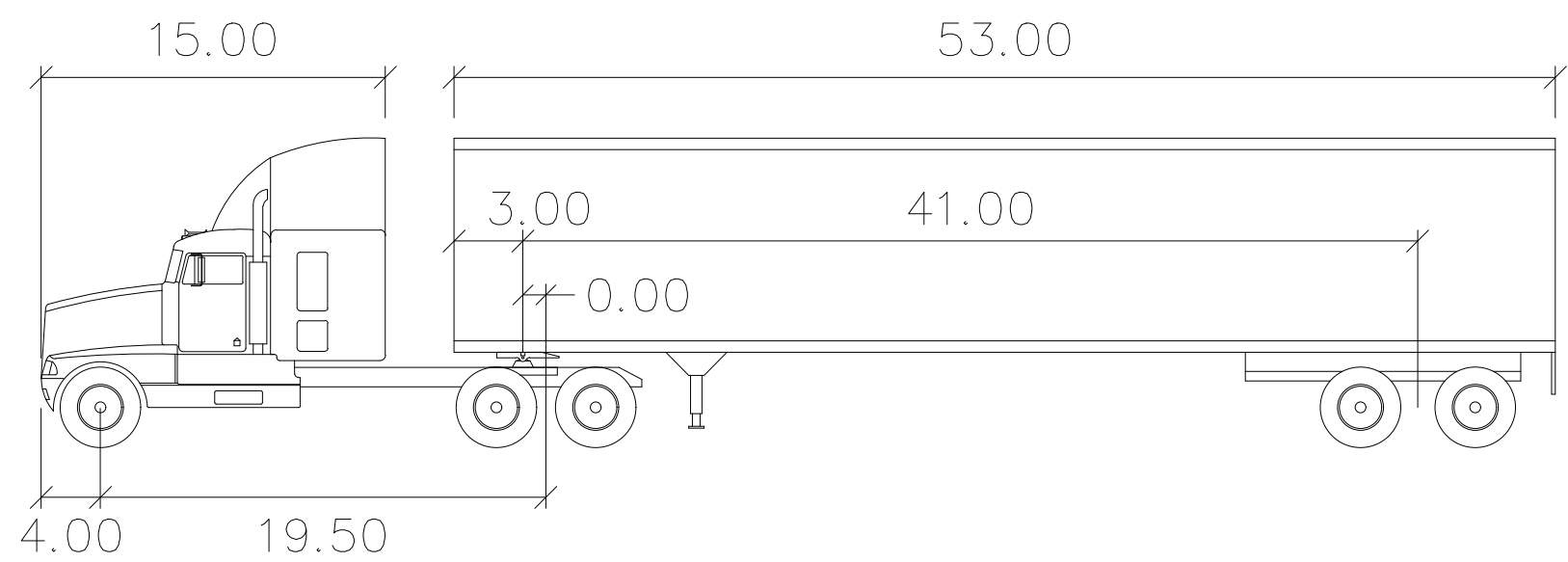
DAVE SCHMITT
ENGINEERING, INC.
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ORLANDO, FL 32828
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Certification of Authorization #27471

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			11/21/2023	DM	REV. PER CLIENT COMMENTS
			09/15/2023	DM	REV. PER CITY COMMENTS

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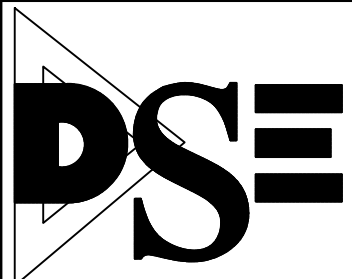
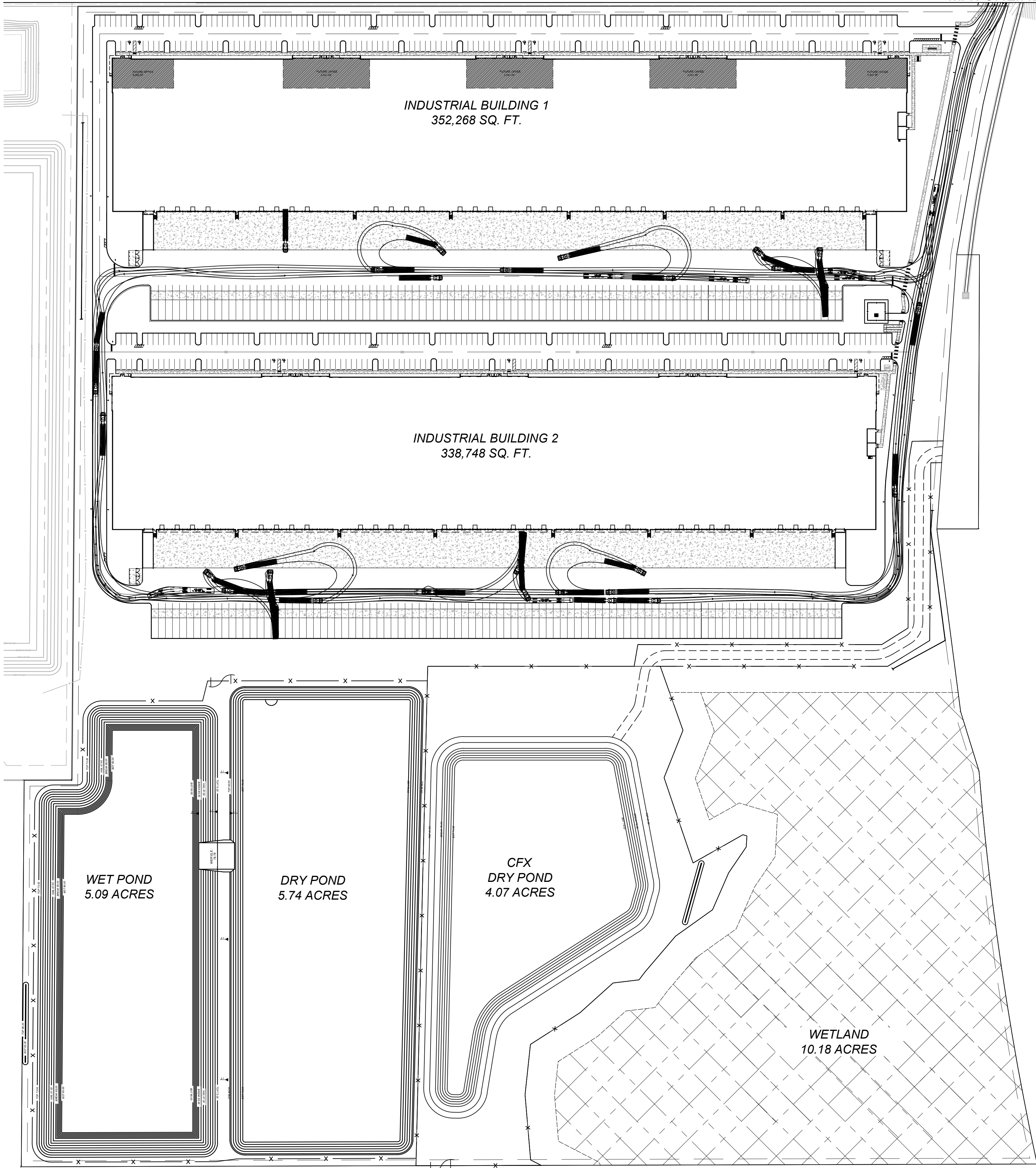
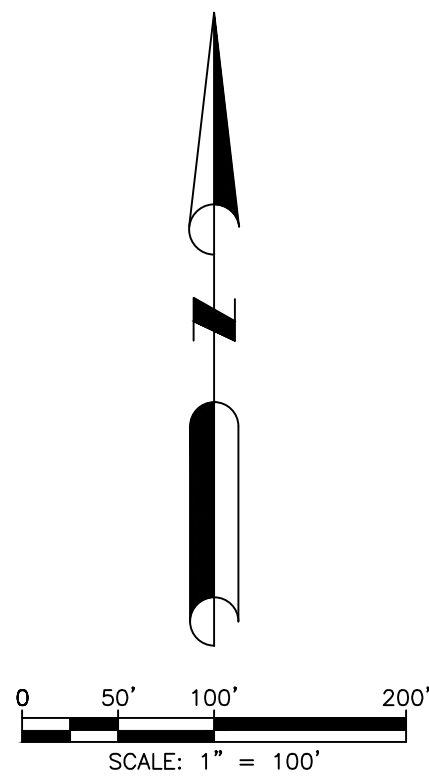
OFFSITE FIRE TRUCK ROUTING PLAN
MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: 1" = 100'
SHEET: 22 OF 33



WB-62FL

	feet		
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 28.4
Tractor Track	: 8.00	Articulating Angle	: 70.0
Trailer Track	: 8.50		



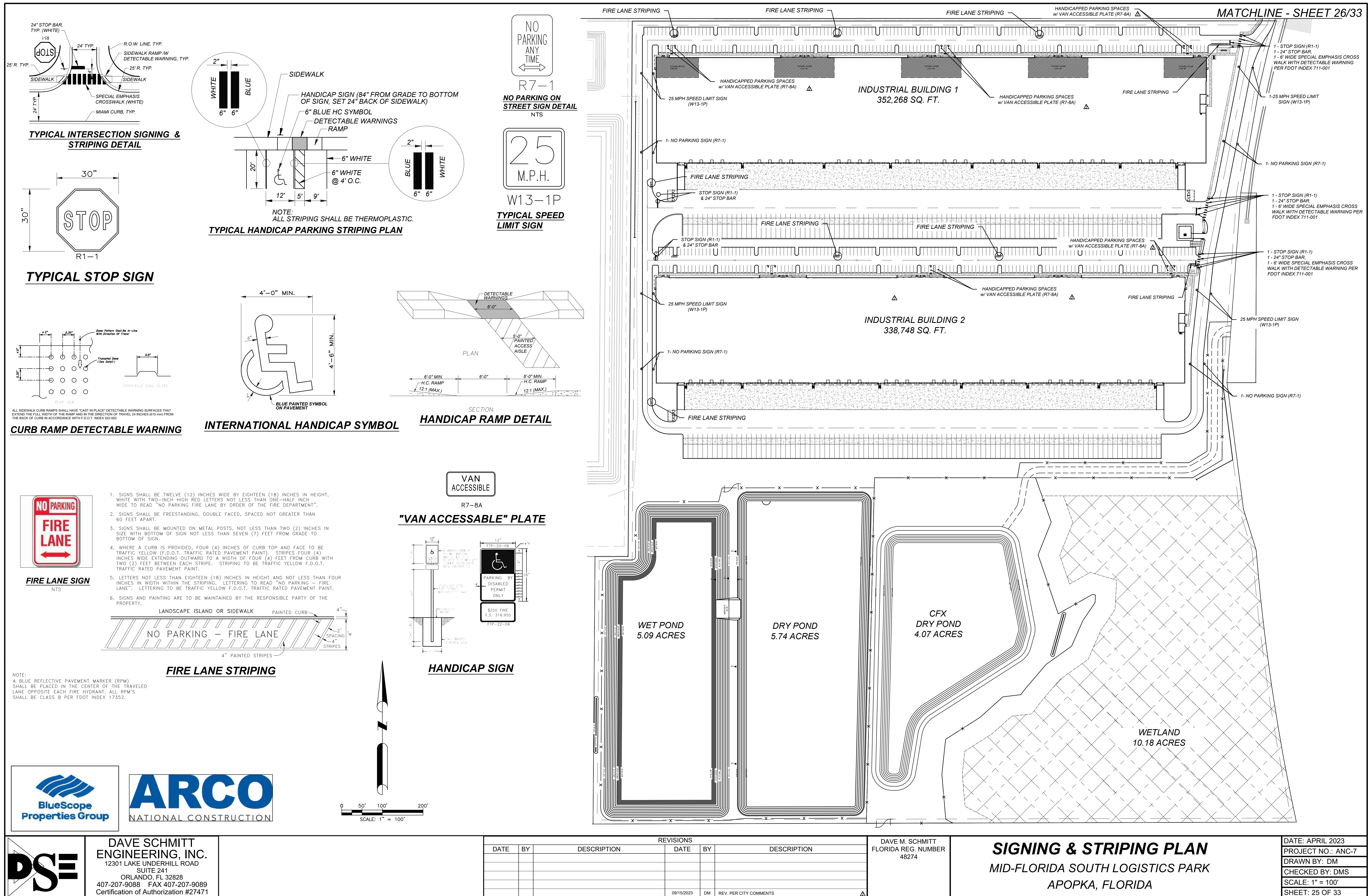
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SUITE 241
ORLANDO, FL 32828
407-207-9088 FAX 407-207-9089
Certification of Authorization #27471

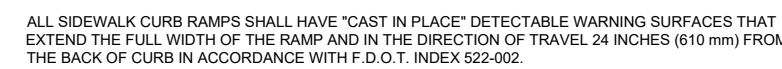
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVE M. SCHMITT
FLORIDA REG. NUMBER
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LARGE TRUCK ROUTING PLAN
MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: 1" = 100'
SHEET: 23 OF 33

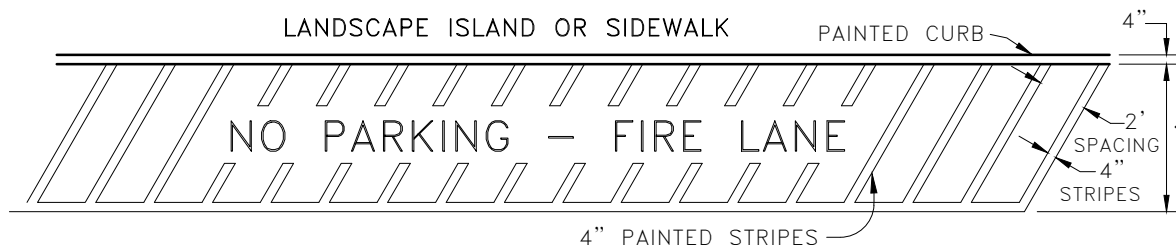




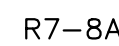
CURB RAMP DETECTABLE WARNING



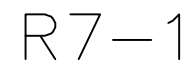
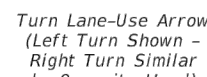
1. SIGNS SHALL BE NINE (12) INCHES WIDE BY EIGHTEEN (18) INCHES IN HEIGHT, WHITE WITH TWO-INCH HIGH RED LETTERS NOT LESS THAN ONE-HALF INCH WIDE TO READ "NO PARKING FIRE LANE BY ORDER OF THE FIRE DEPARTMENT".
2. SIGNS SHALL BE FREESTANDING, DOUBLE FACED, SPACED NOT GREATER THAN 60 FEET APART.
3. SIGNS SHALL BE MOUNTED ON METAL POSTS, NOT LESS THAN TWO (2) INCHES IN SIZE WITH BOTTOM OF SIGN NOT LESS THAN SEVEN (7) FEET FROM GRADE TO BOTTOM OF SIGN.
4. WHERE A CURB IS PROVIDED, FOUR (4) INCHES OF CURB TOP AND FACE TO BE TRAFFIC YELLOW (F.D.O.T. TRAFFIC RATED PAVEMENT PAINT), STRIPES FOUR (4) INCHES WIDE EXTENDING OUTWARD TO A WIDTH OF FOUR (4) FEET FROM CURB WITH TWO (2) FEET BETWEEN EACH STRIPE. STRIPINGS TO BE TRAFFIC YELLOW F.D.O.T. TRAFFIC RATED PAVEMENT PAINT.
5. LETTERS NOT LESS THAN EIGHTEEN (18) INCHES IN HEIGHT AND NOT LESS THAN FOUR INCHES IN WIDTH WITHIN THE STRIPING. LETTERING TO READ "NO PARKING - FIRE LANE". LETTERING TO BE TRAFFIC YELLOW F.D.O.T. TRAFFIC RATED PAVEMENT PAINT.
6. SIGNS AND PAINTING ARE TO BE MAINTAINED BY THE RESPONSIBLE PARTY OF THE PROPERTY.



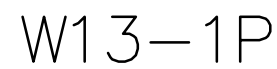
FIRE LANE STRIPING



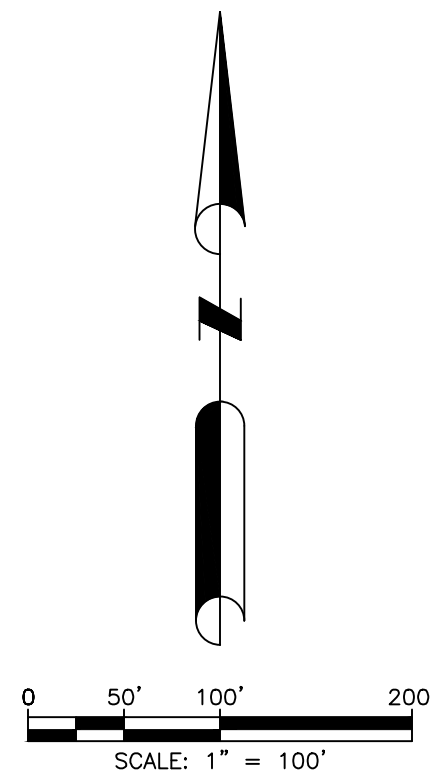
"VAN ACCESSABLE" PLATE



NO PARKING ON STREET SIGN DETAIL
NTS



TYPICAL SPEED LIMIT SIGN



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DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
			11/21/2023	DM	REV. PER CLIENT COMMENTS

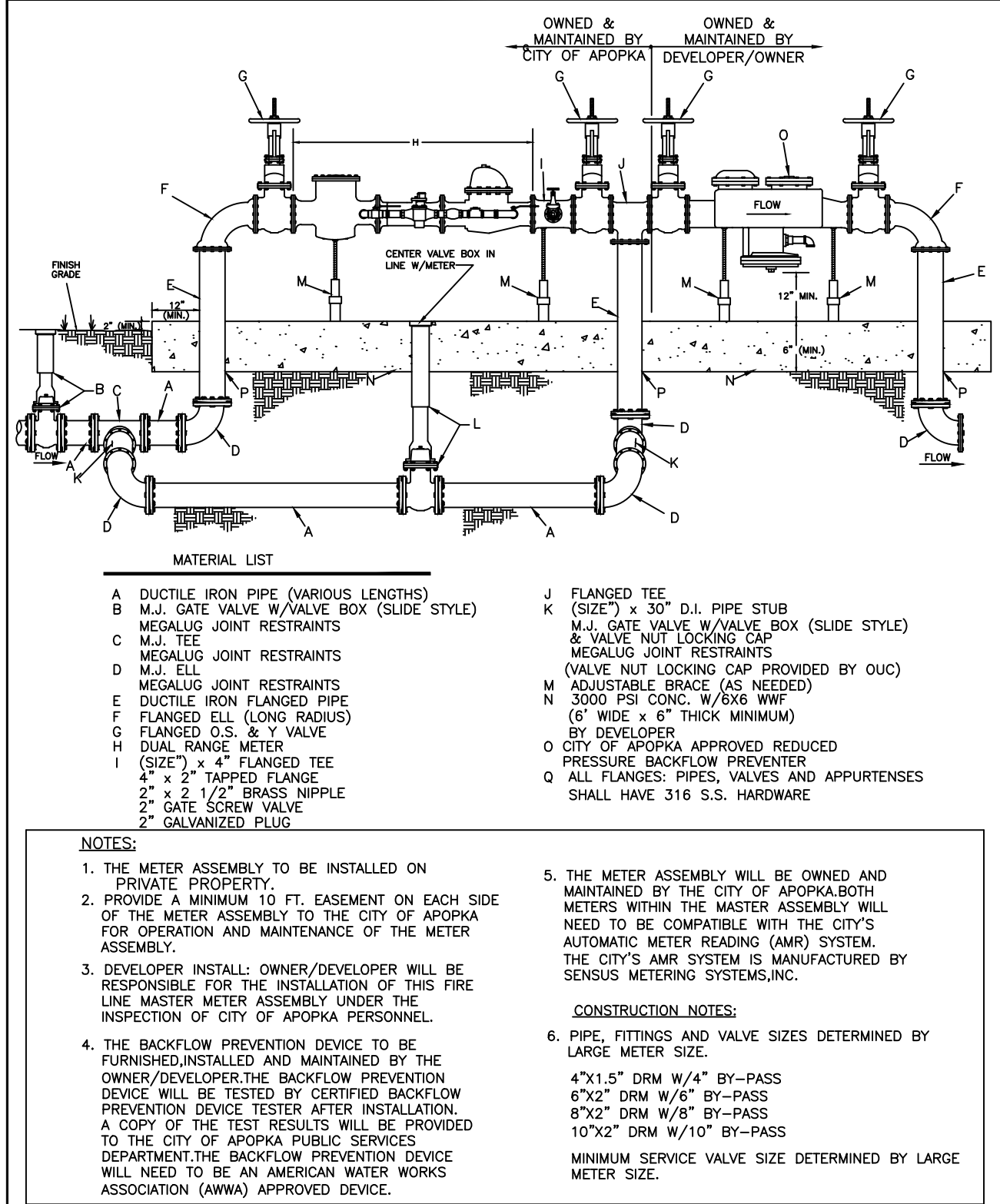
DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

OFFSITE SIGNING & STRIPING PLAN

MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

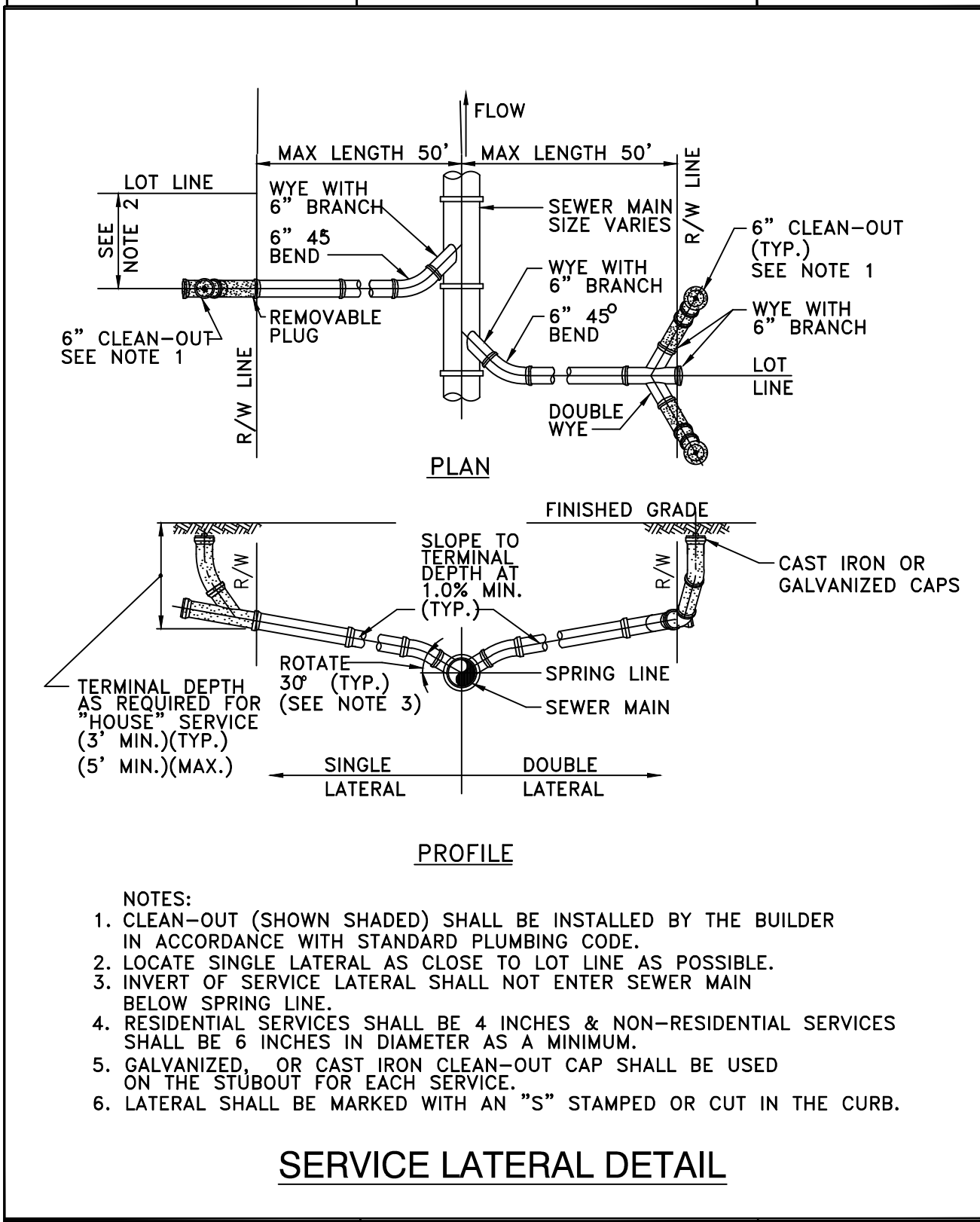
DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: 1" = 100'
SHEET: 26 OF 33

F:\ANC7\CAD\Planset\Final\27-29 UTILITY DETAILS.dwg,6/6/2023 7:09:42 PM



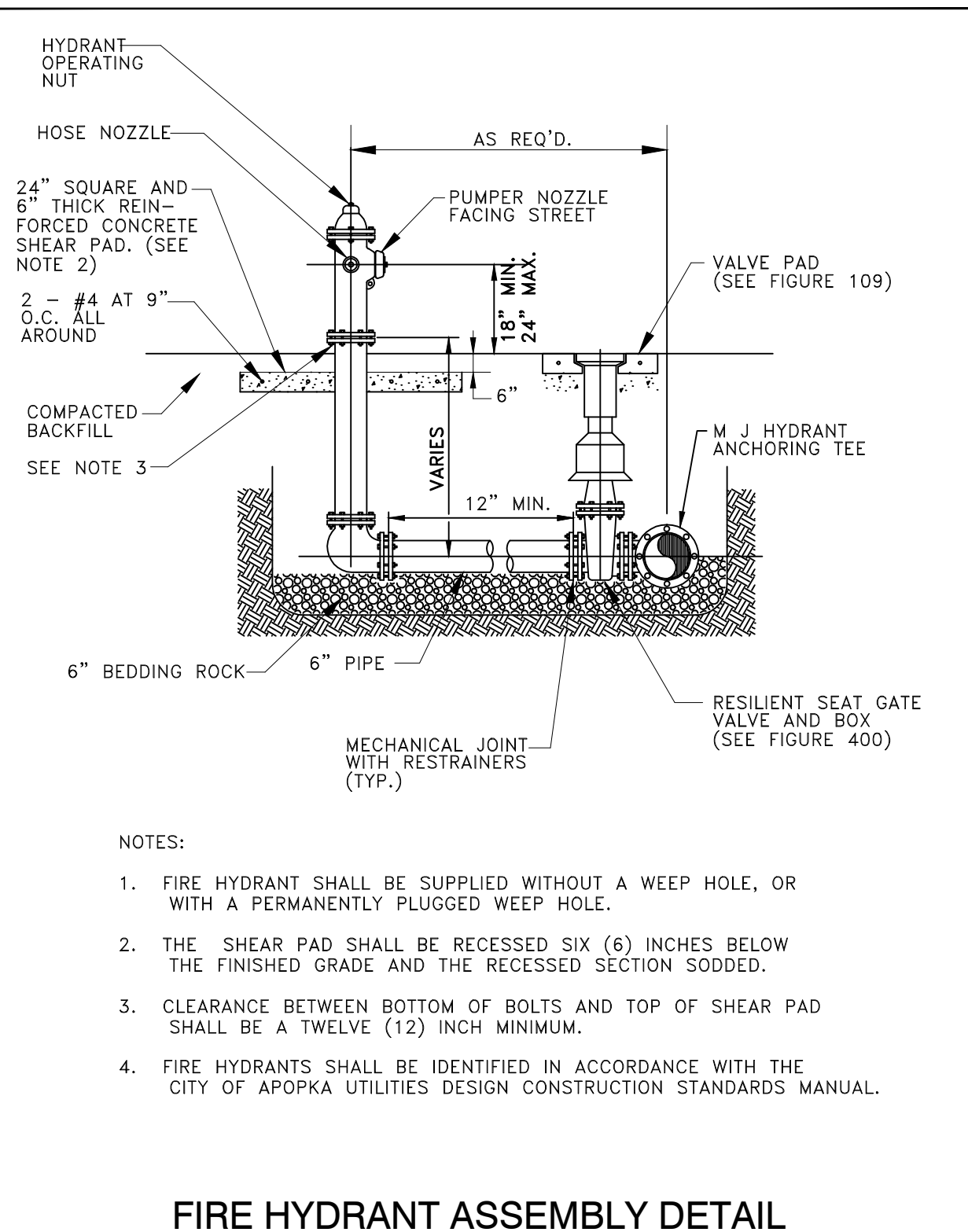
FIRE LINE MASTER METER ASSEMBLY W/ BY-PASS (TYPICAL)

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 500 C
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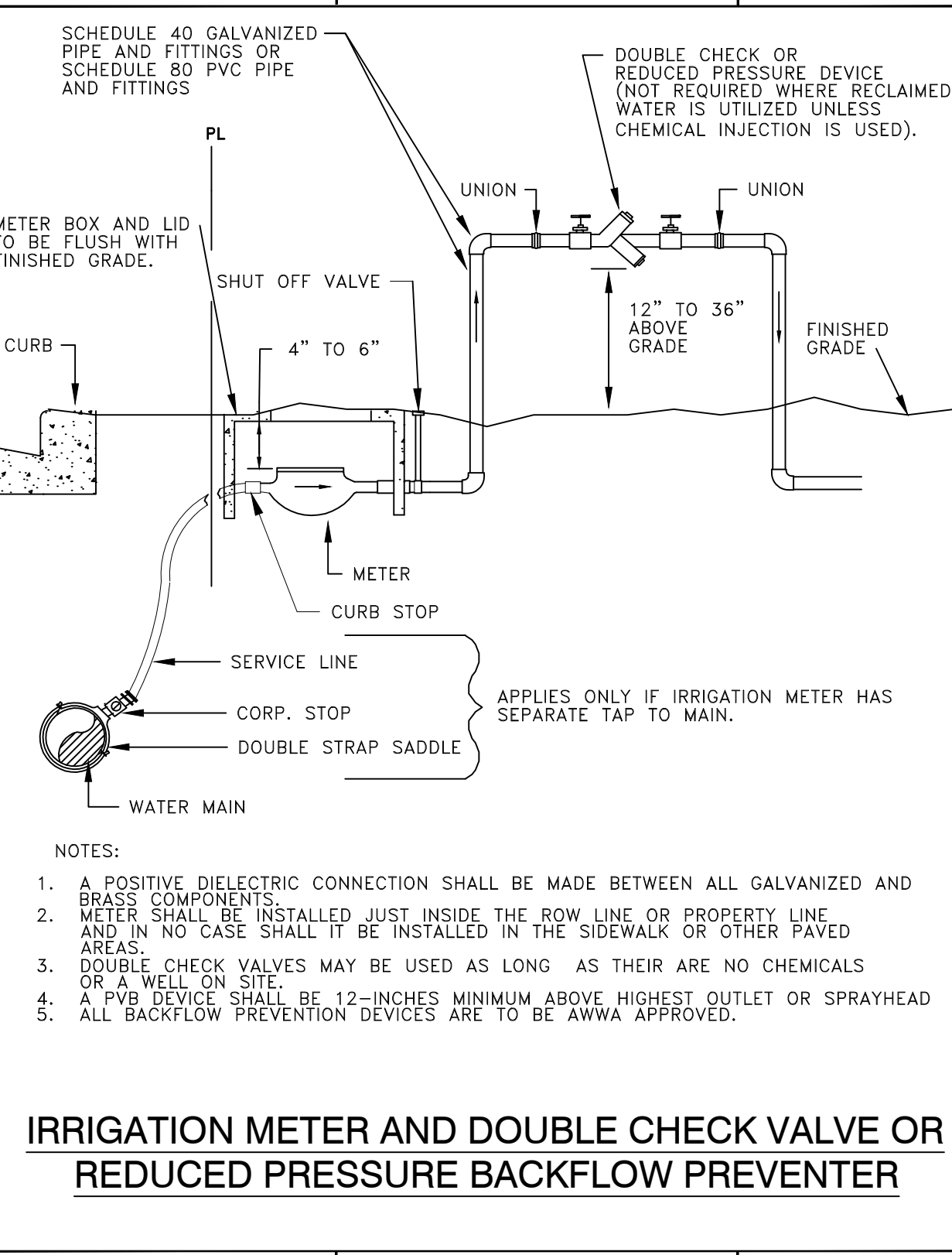
SERVICE LATERAL DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 204
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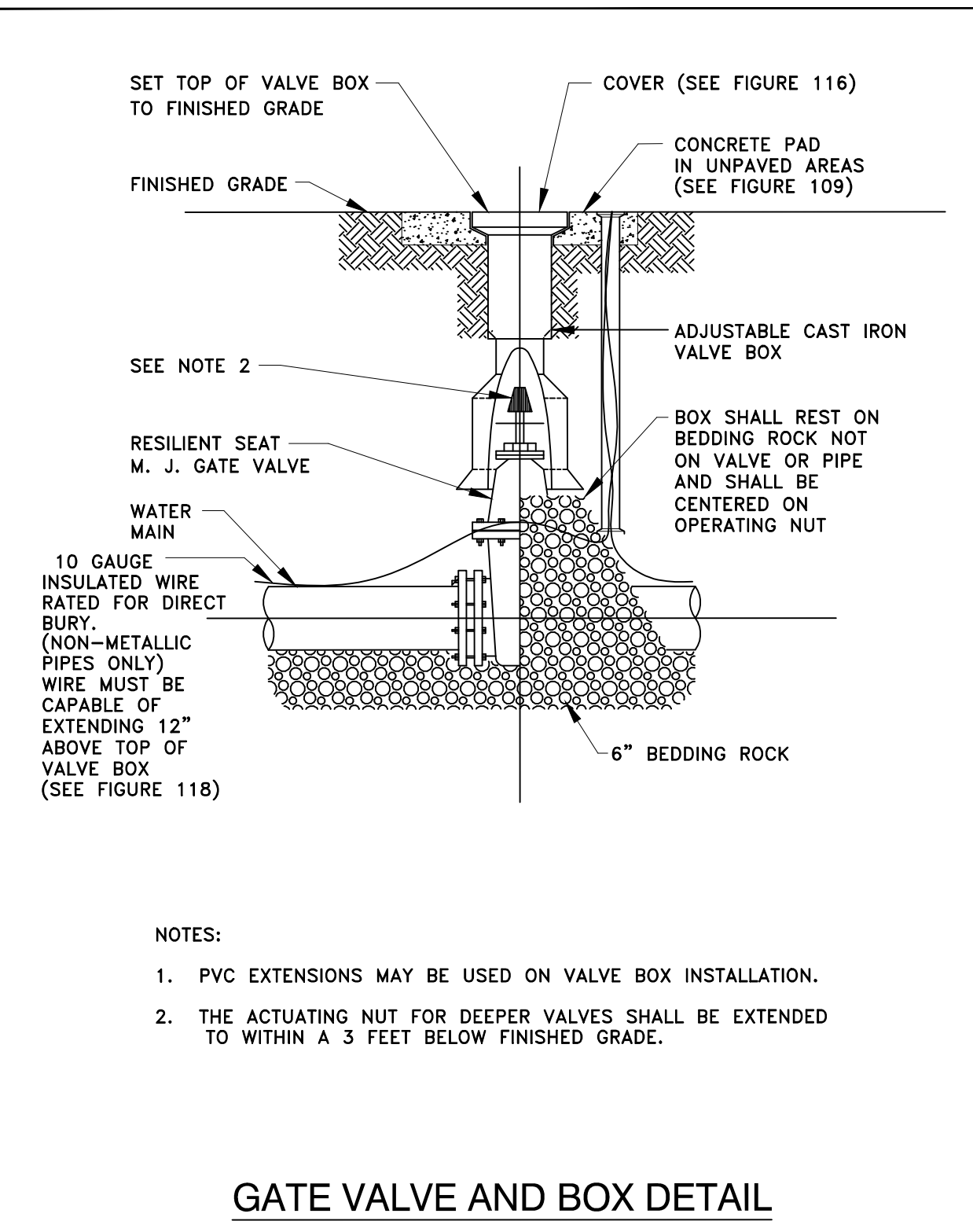
FIRE HYDRANT ASSEMBLY DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 402
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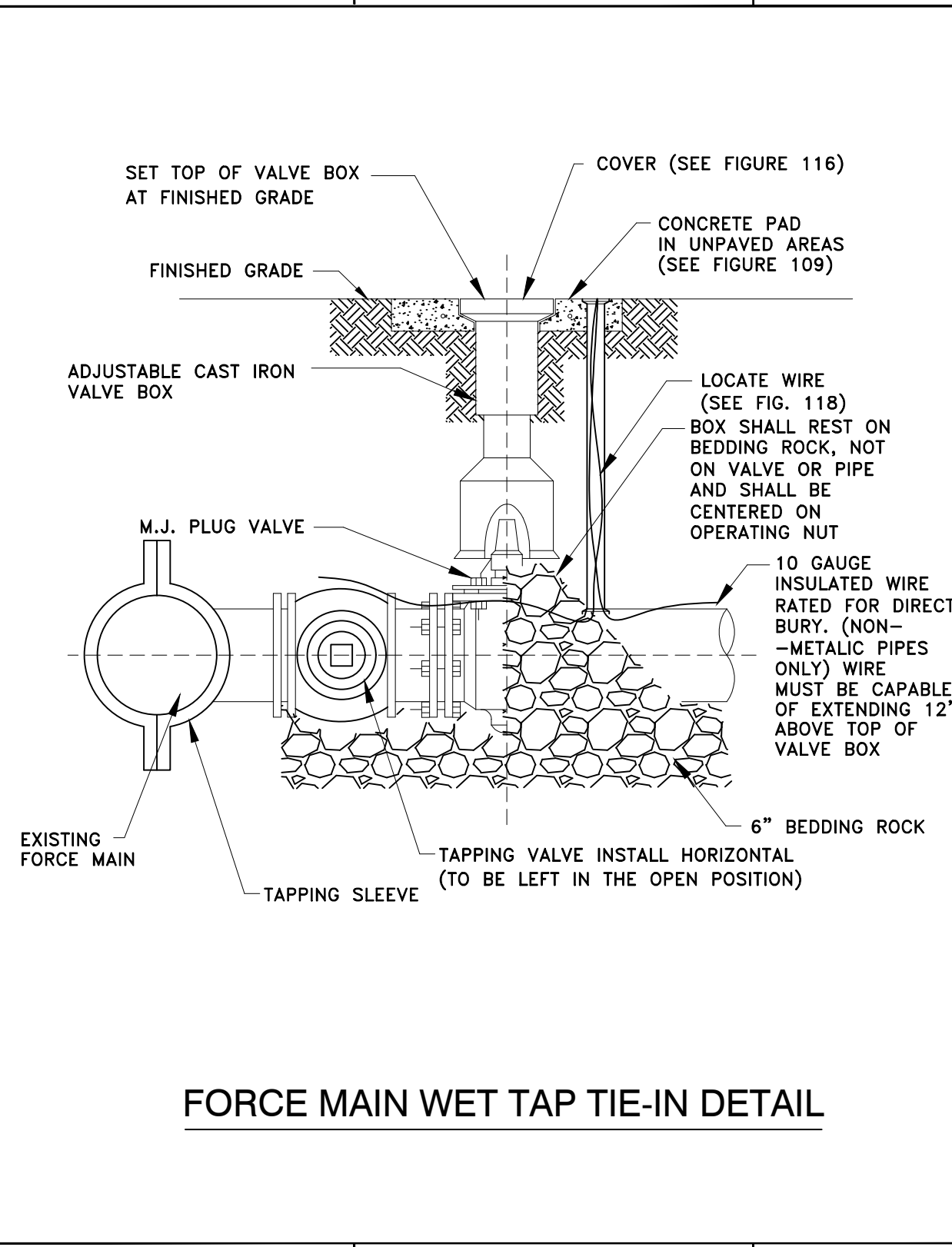
IRRIGATION METER AND DOUBLE CHECK VALVE OR REDUCED PRESSURE BACKFLOW PREVENTER

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 502
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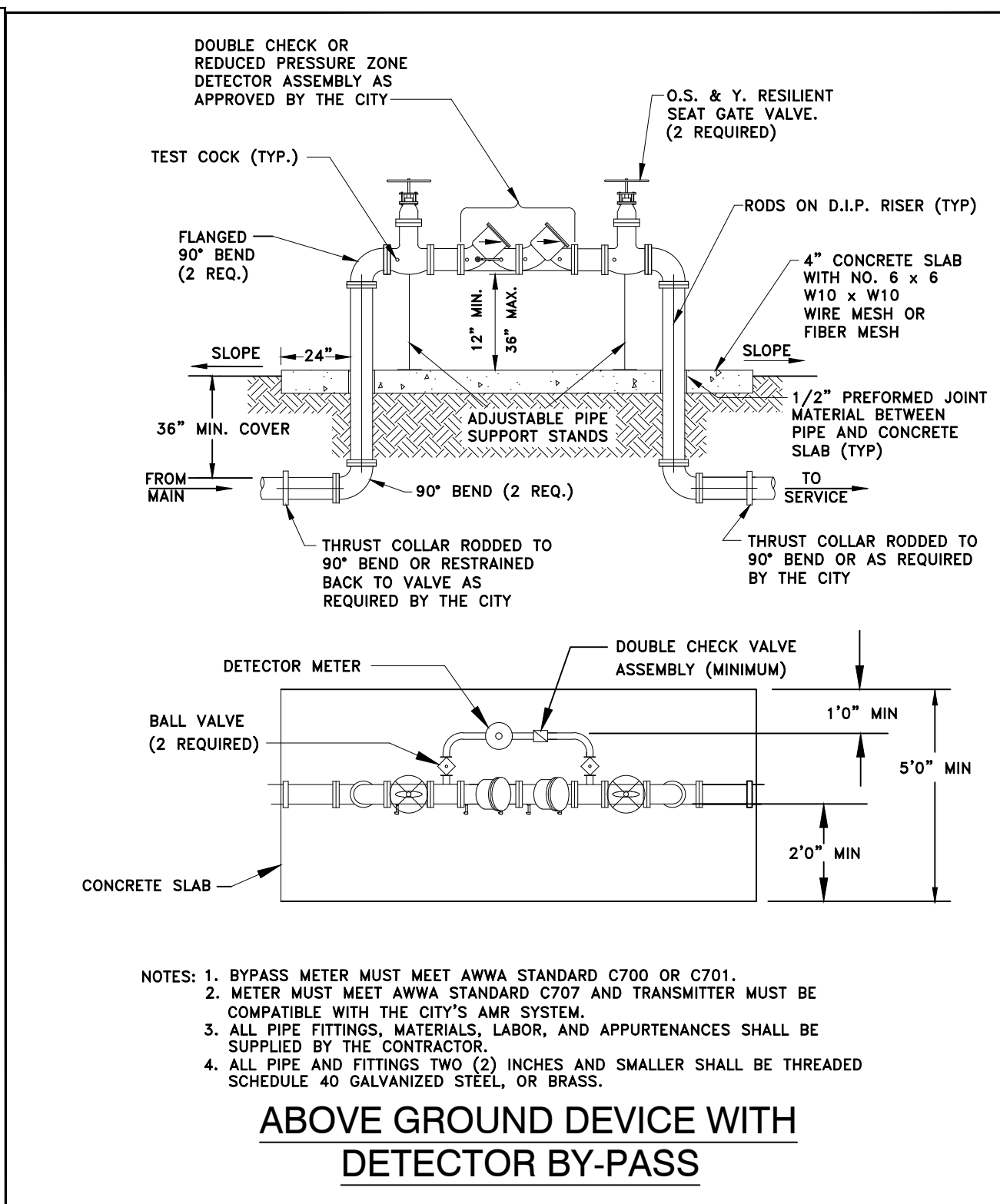
GATE VALVE AND BOX DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 400
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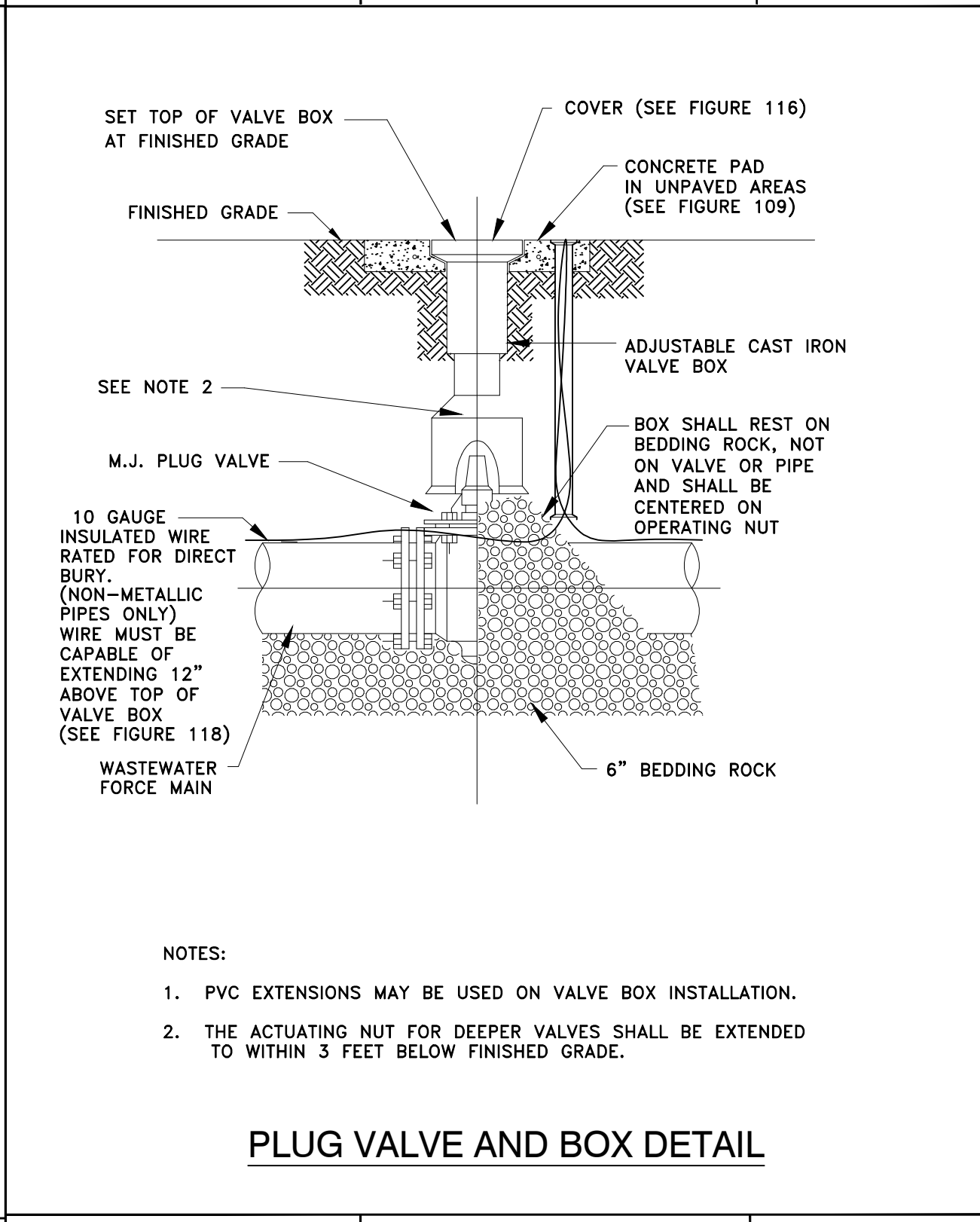
FORCE MAIN WET TAP TIE-IN DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 206
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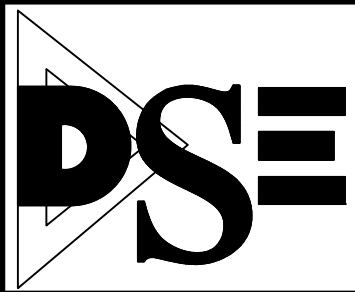
ABOVE GROUND DEVICE WITH DETECTOR BY-PASS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 500 B
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PLUG VALVE AND BOX DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 400 A
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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FLORIDA REG. NUMBER
48274

UTILITY DETAILS - 1
MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: NONE
SHEET: 27 OF 33



NOTES: 1. THESE NOTES MUST BE COMPLETED BY THE ENGINEER.



CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 110
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REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
			02/13/2024	DM	REV. PER CLIENT COMMENTS

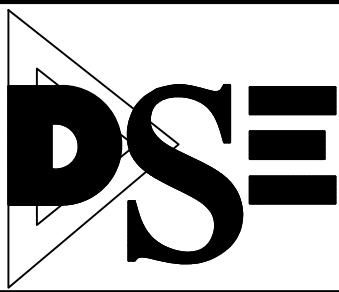
DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: NONE
SHEET: 29 OF 33



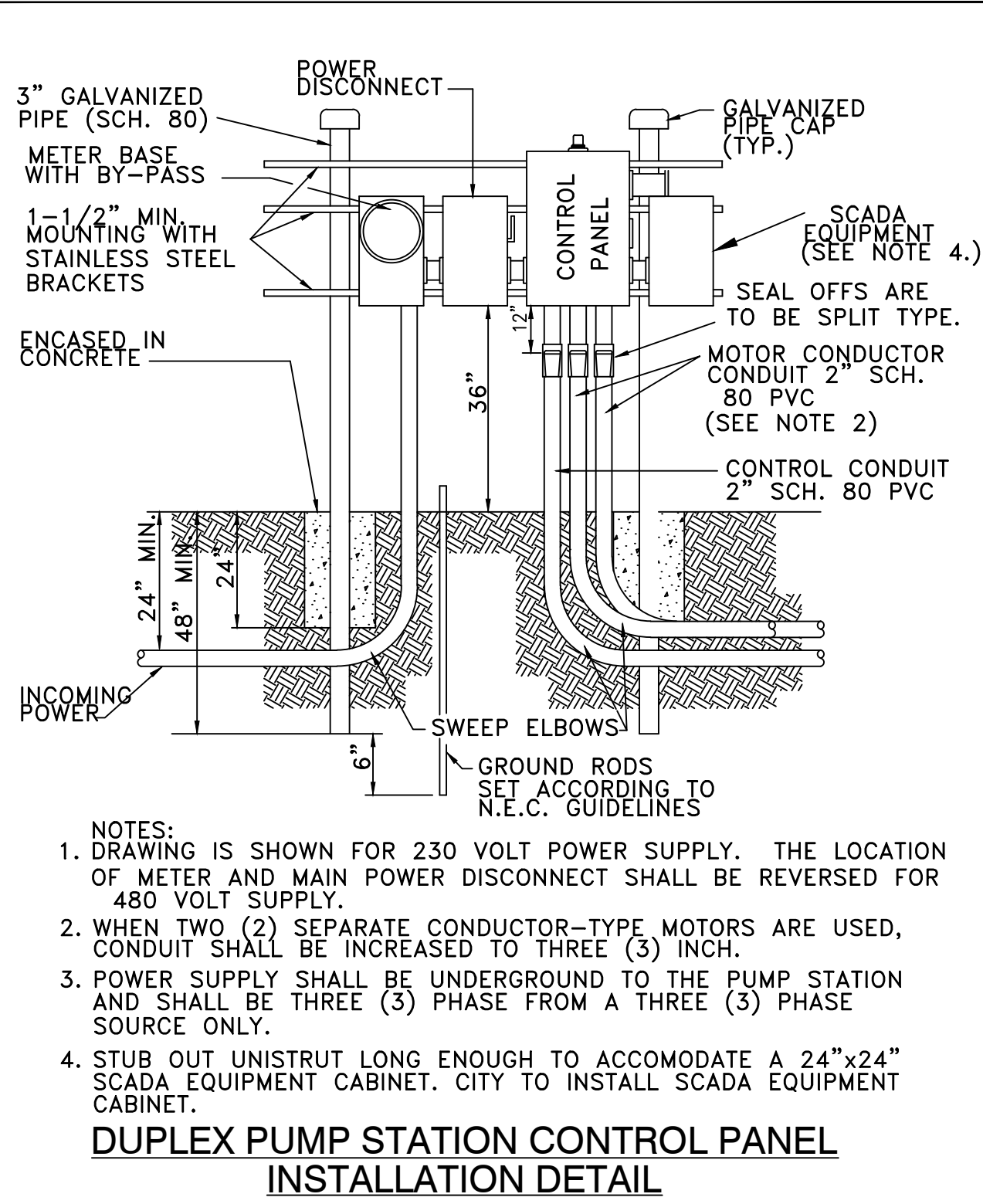
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FLORIDA REG. NUMBER
48274

DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: NONE
SHEET: 30 OF 33

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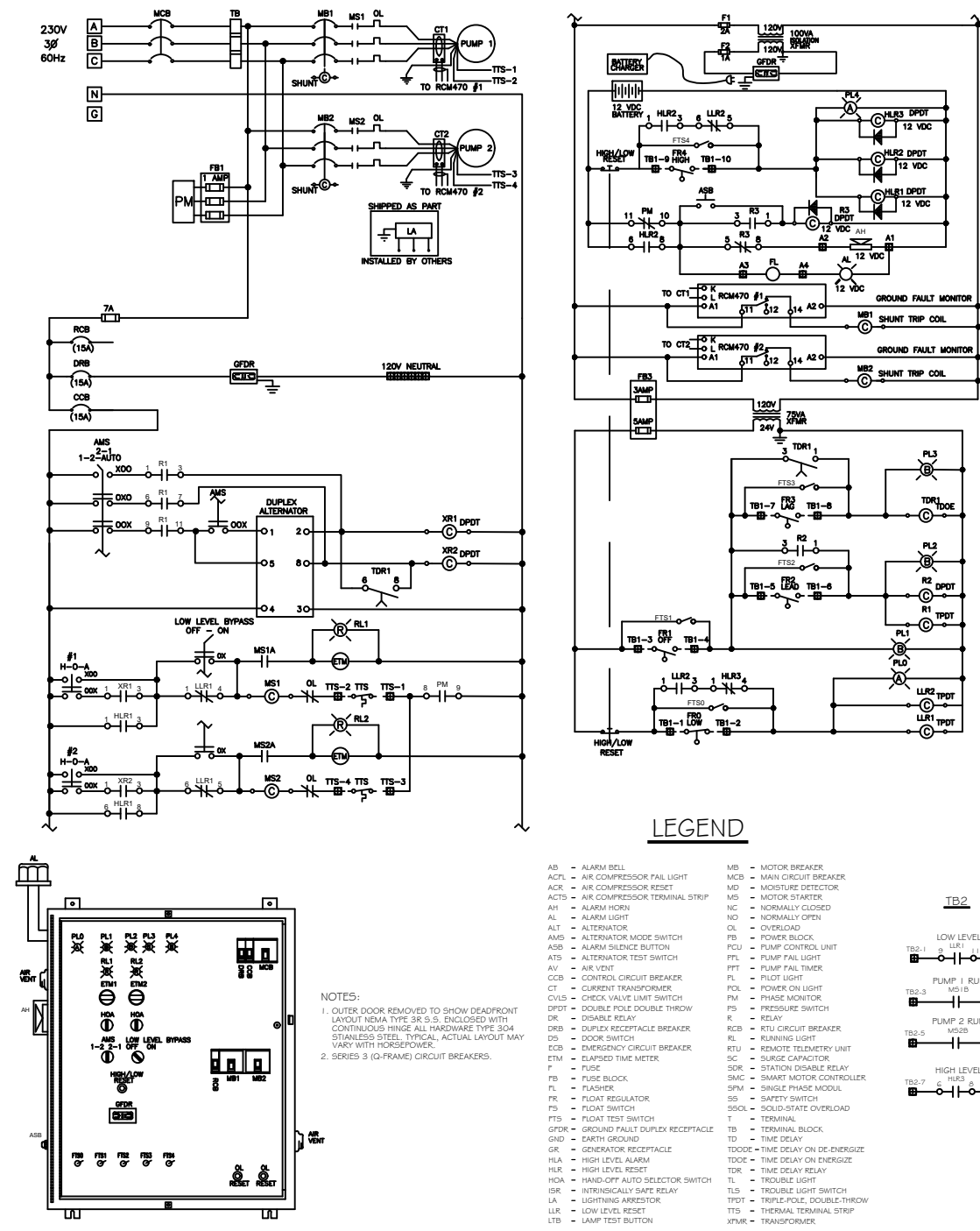
DAVE SCHMITT
ENGINEERING, INC.
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407-207-9088 FAX 407-207-9089
Certification of Authorization #27471



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

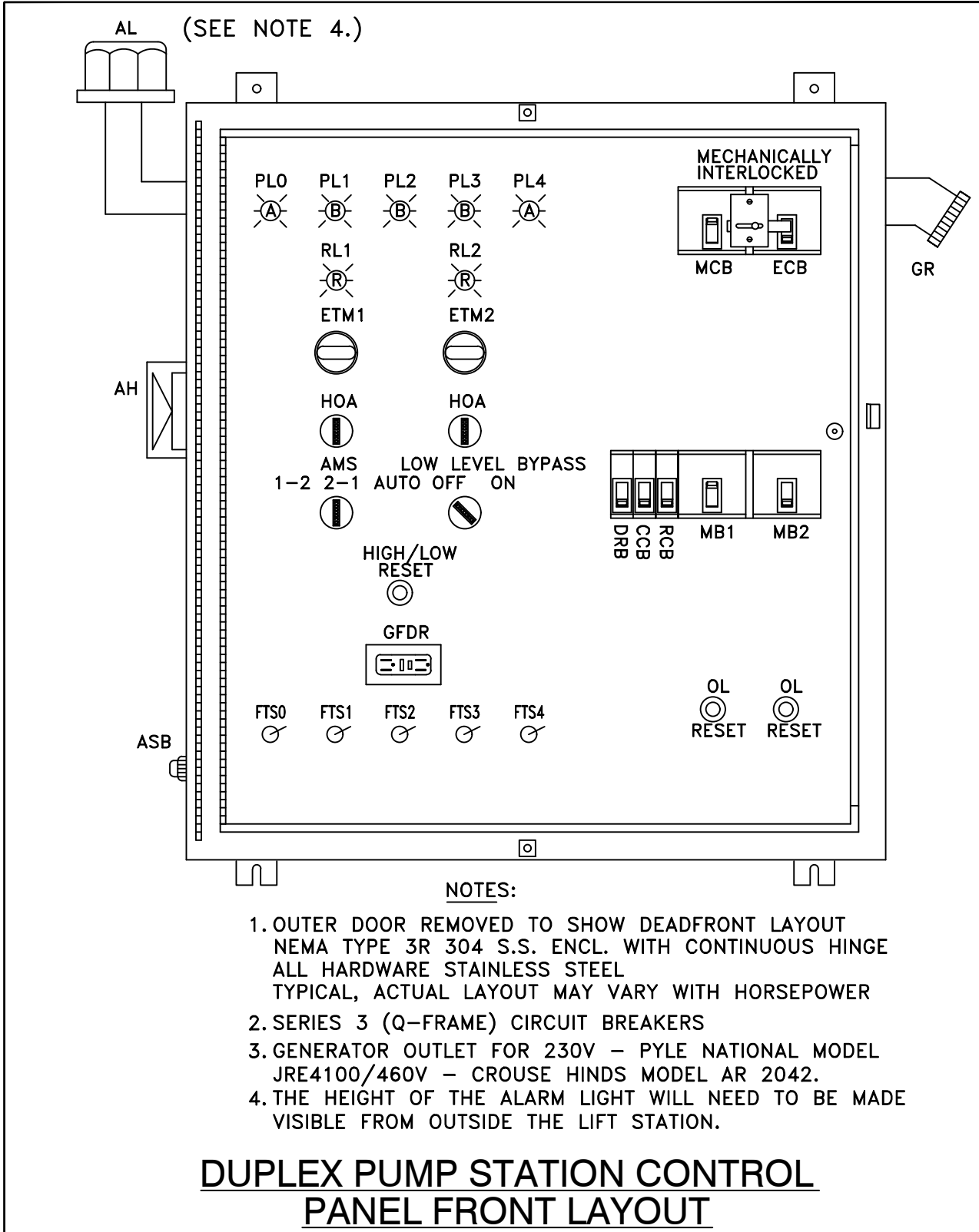
FIG. 302



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 305 B



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 303

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
CDB - CONTROL CIRCUIT BREAKER
CT - CURRENT TRANSFORMER
CVLS - CHECK VALVE LIMIT SWITCH
DPT - DOUBLE-POLE DOUBLE-THROW
DR - DISABLE RELAY
DRB - DUPLEX RECEPTACLE BREAKER
DS - DOOR SWITCH
ECB - EMERGENCY CIRCUIT BREAKER
ETM - ELAPSED TIME METER
FB - FUSE BLOCK
FR - FLOAT REGULATOR
FS - FLOW 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
LR - 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
SW - SAFETY SWITCH
SSOL - SOLID-STATE OVERLOAD
T - TERMINAL
TB - TERMINAL BLOCK
TD - TIME DELAY
TDDE - TIME DELAY ON DE-ENERGIZE
TDDE - TIME DELAY ON ENERGIZE
TL - TIME DELAY RELAY
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

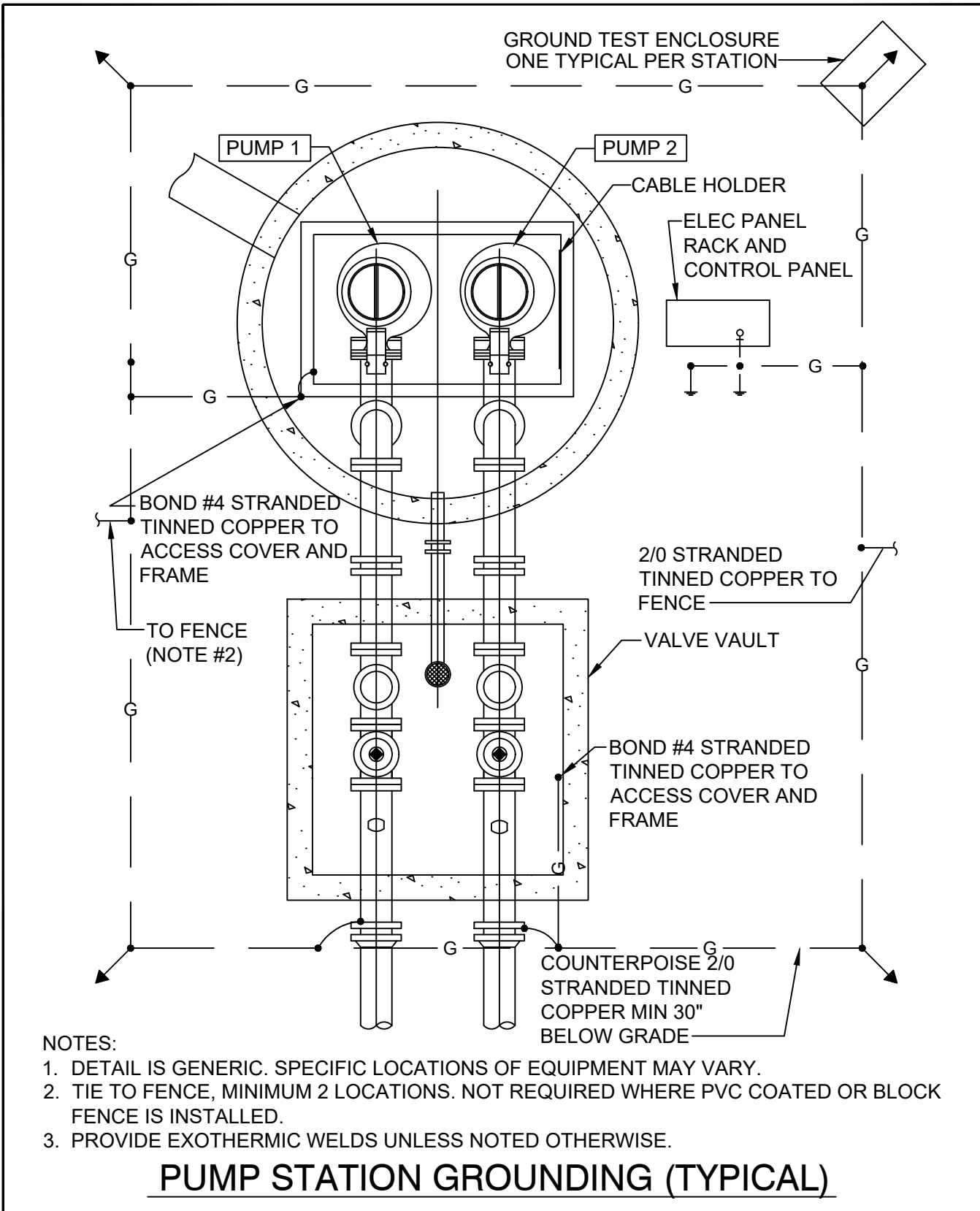
JANUARY 2014

FIG. 306

LIFT STATION PLAN - 2
MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: NONE
SHEET: 31 OF 33

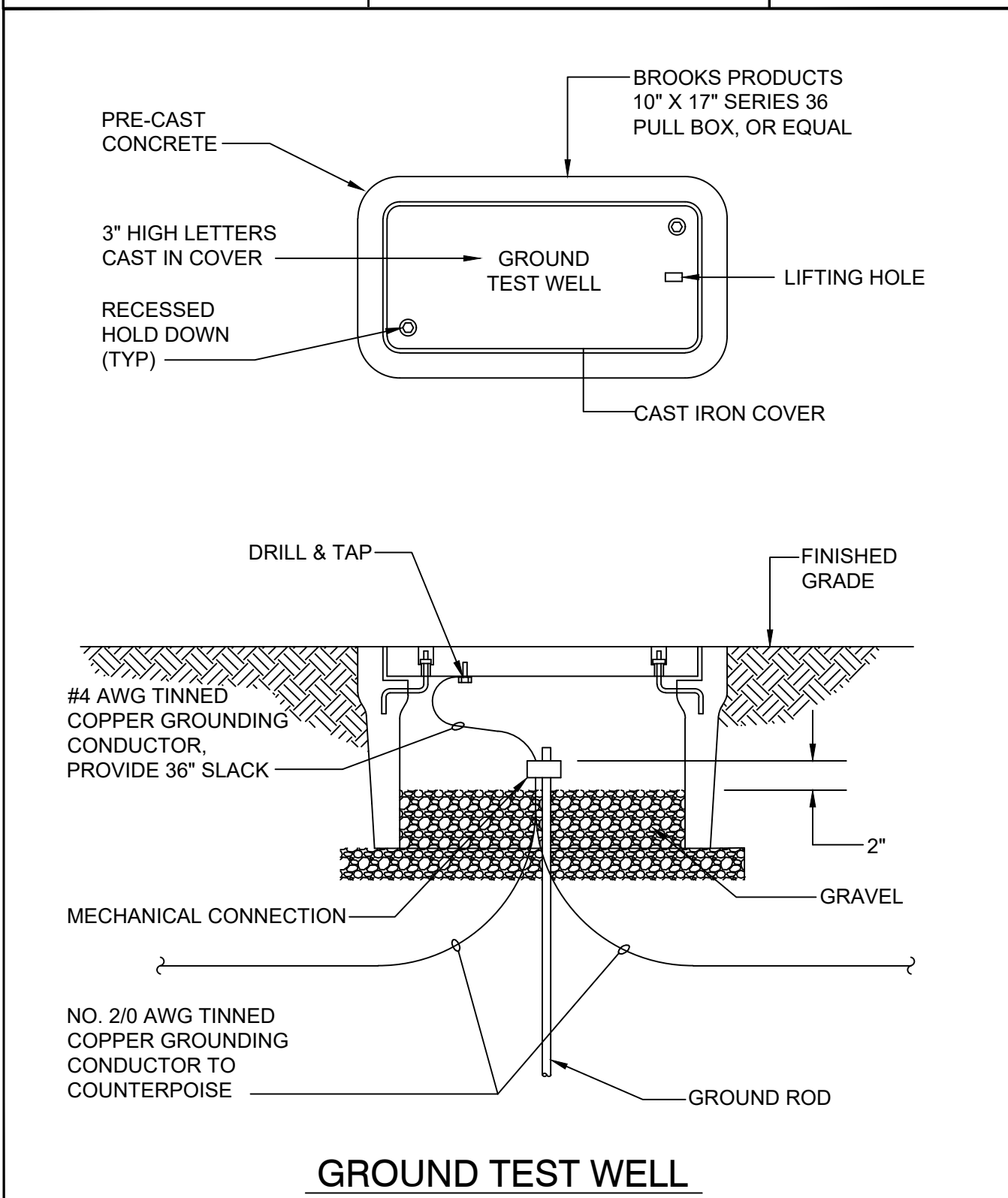
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CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

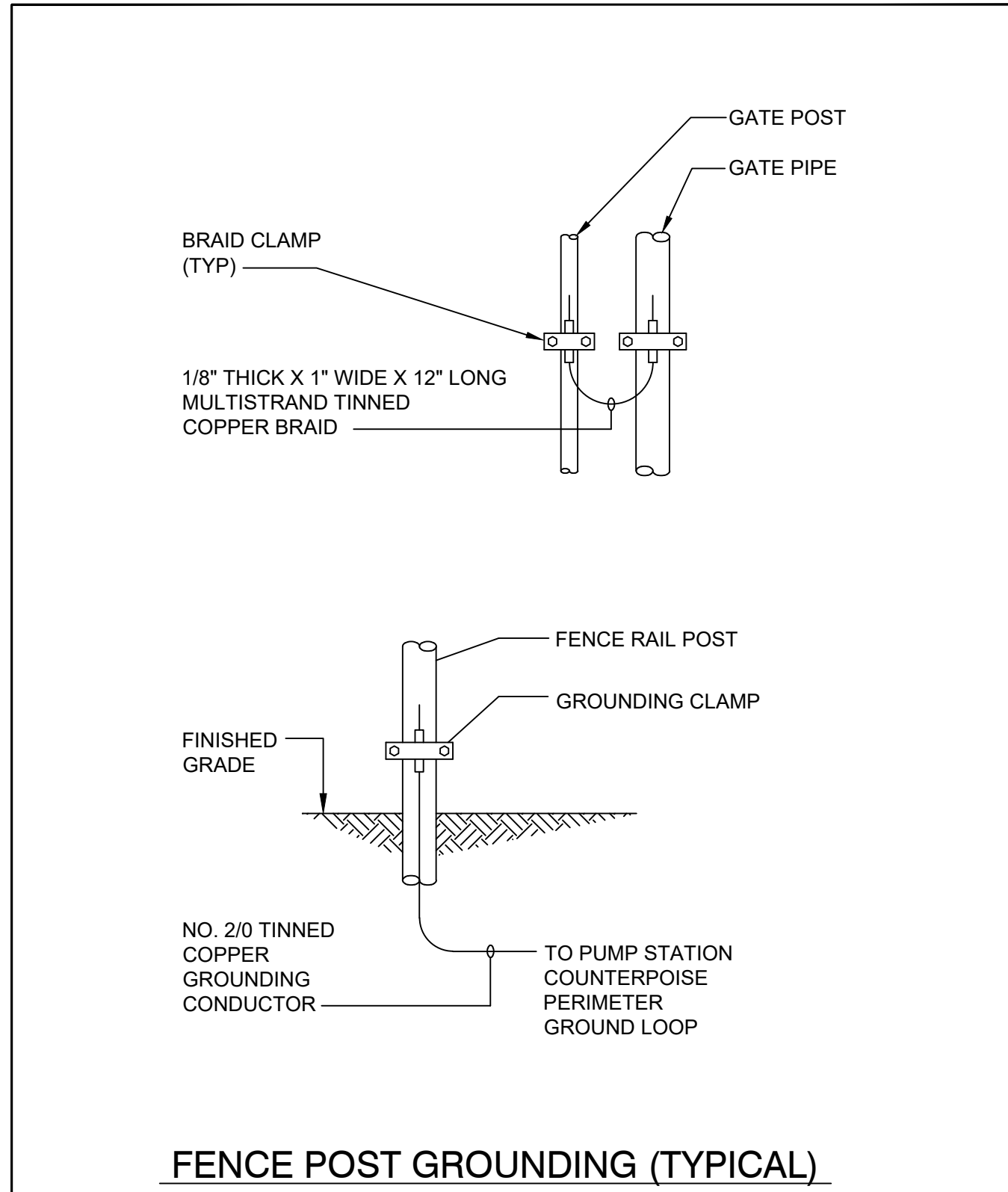
FIG. 307



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

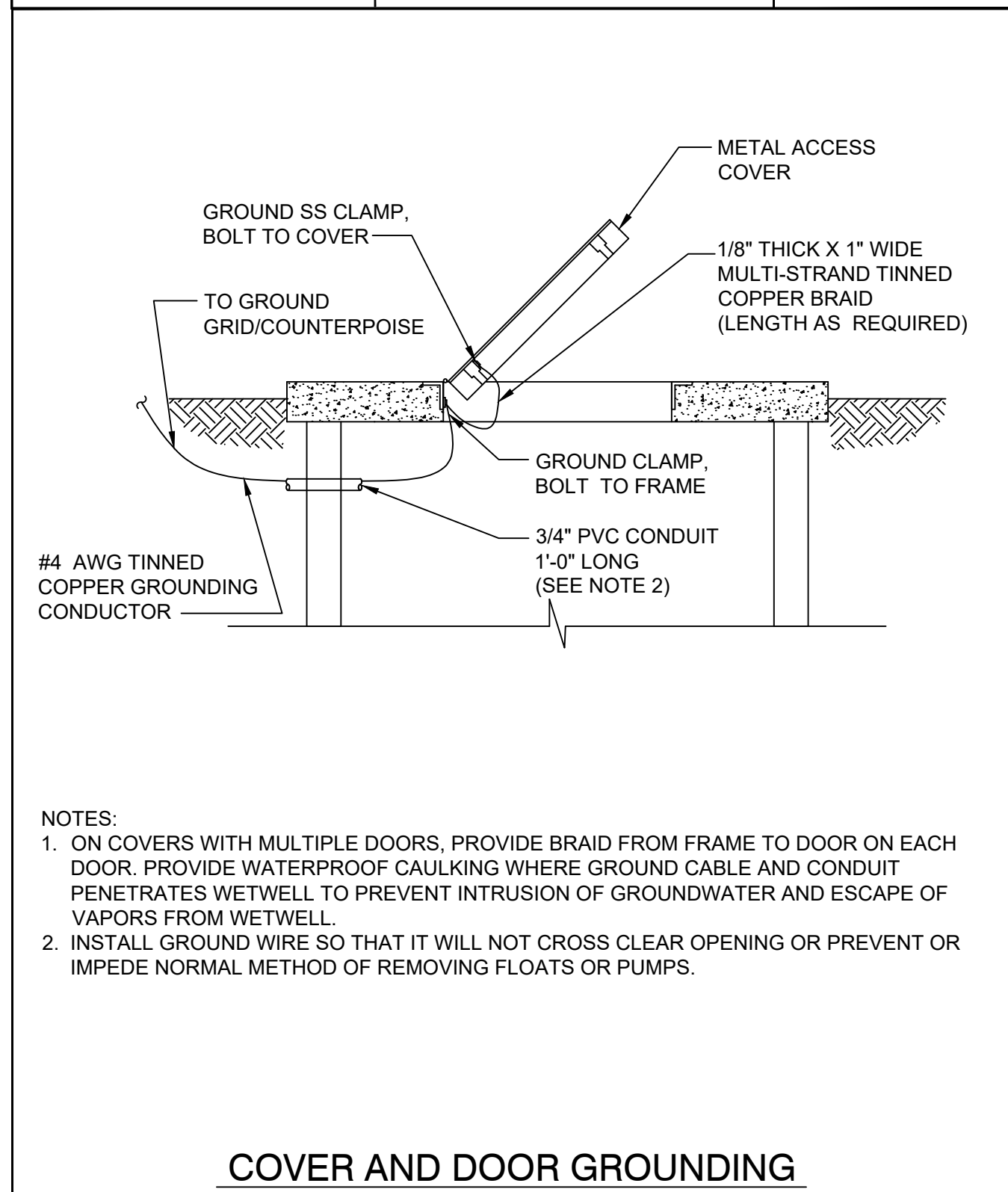
FIG. 307 B



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 307 A



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 307 C



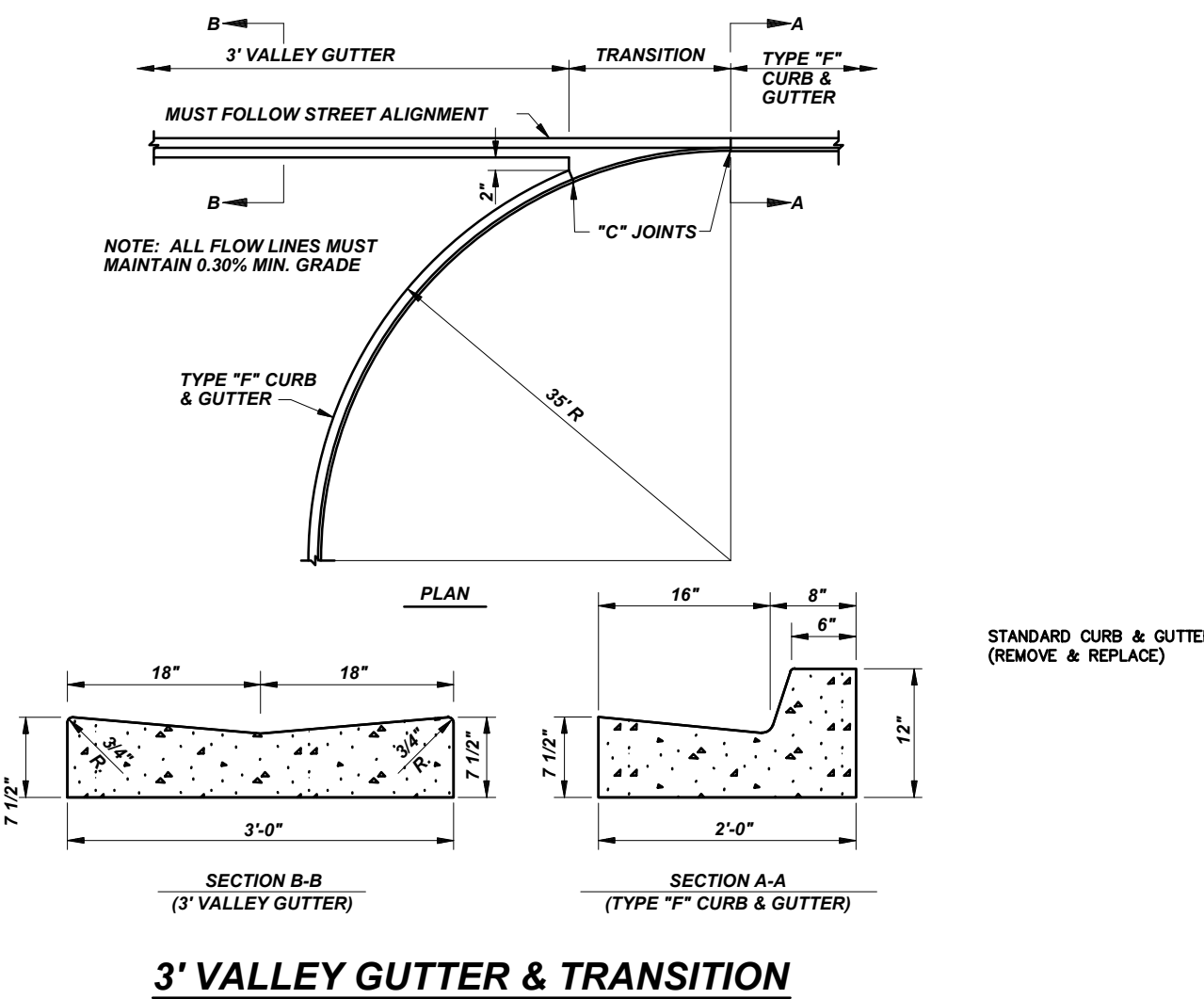
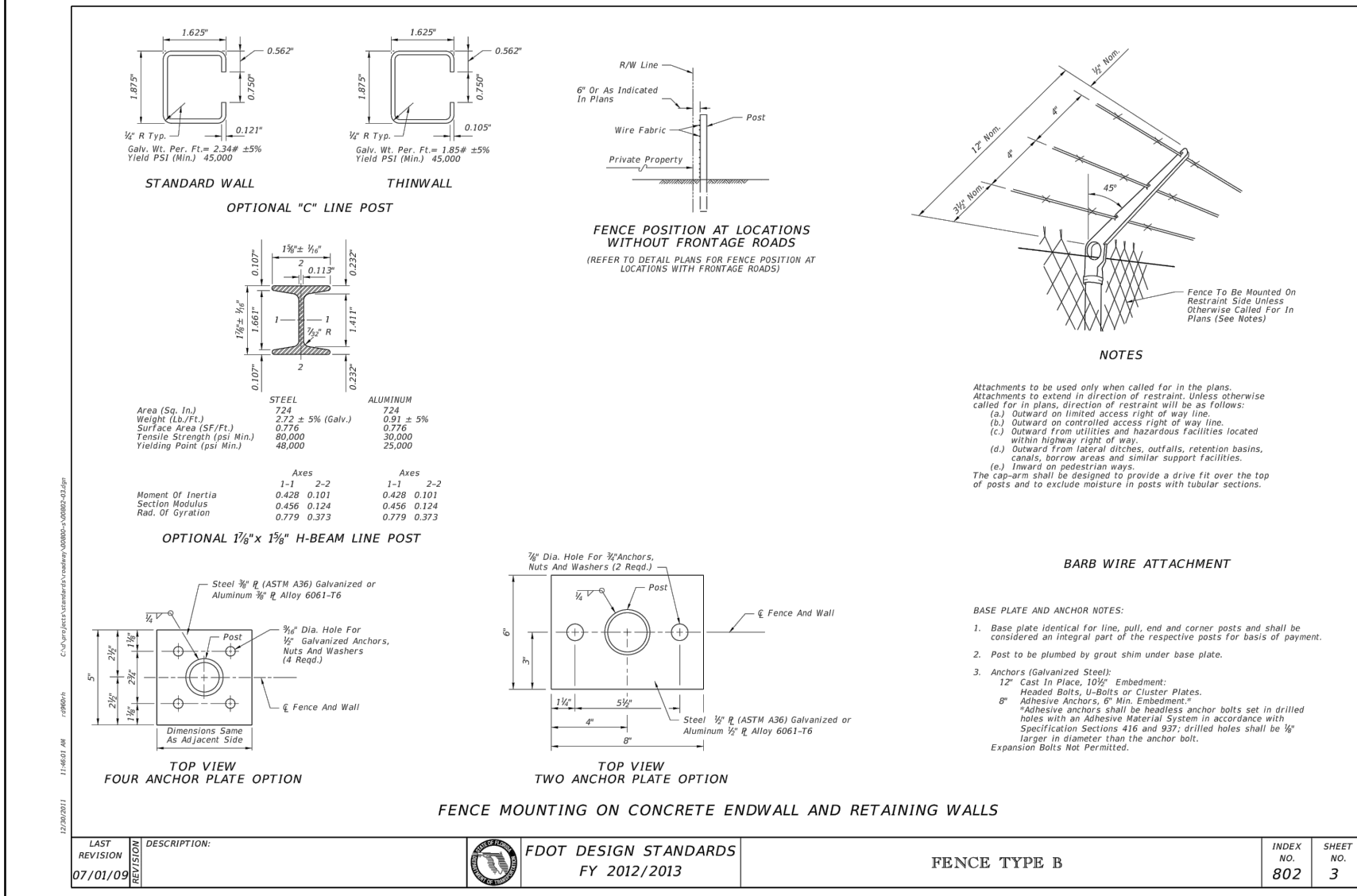
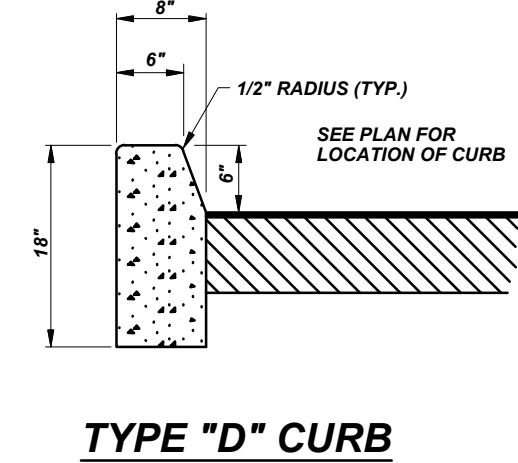
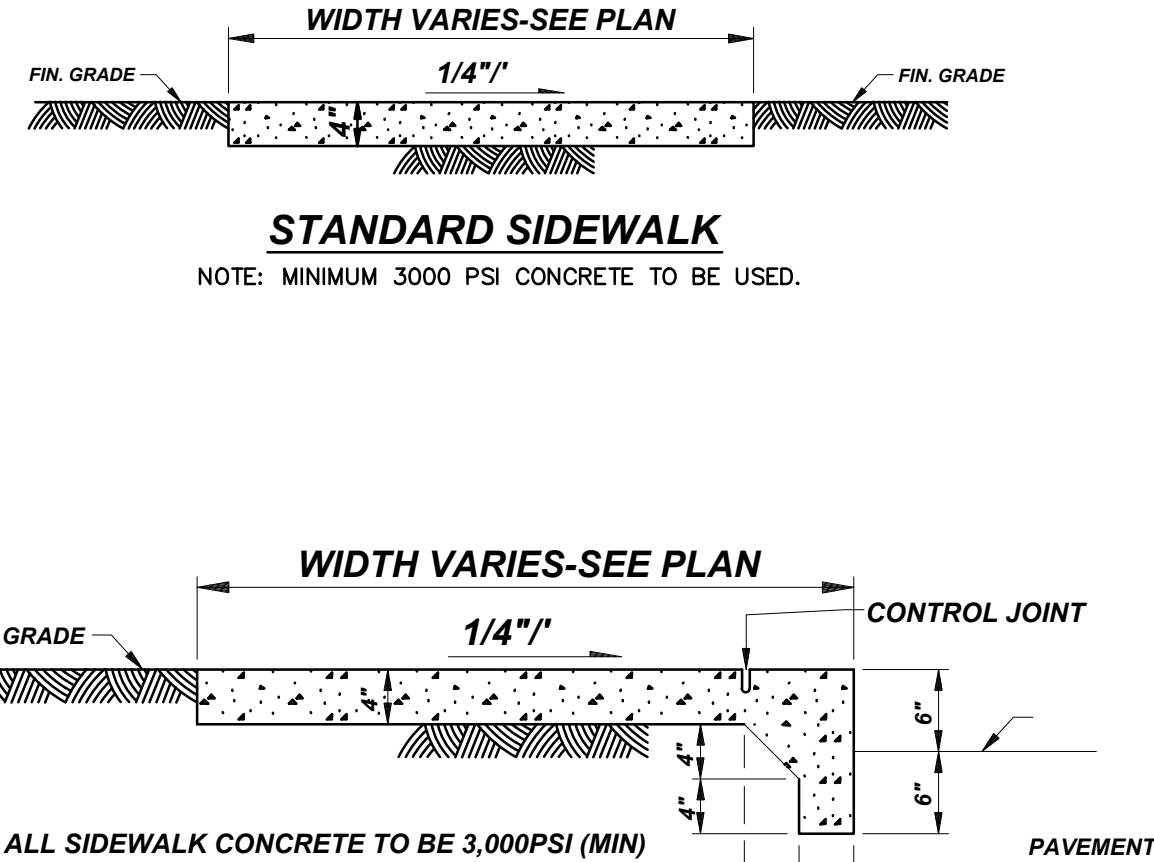
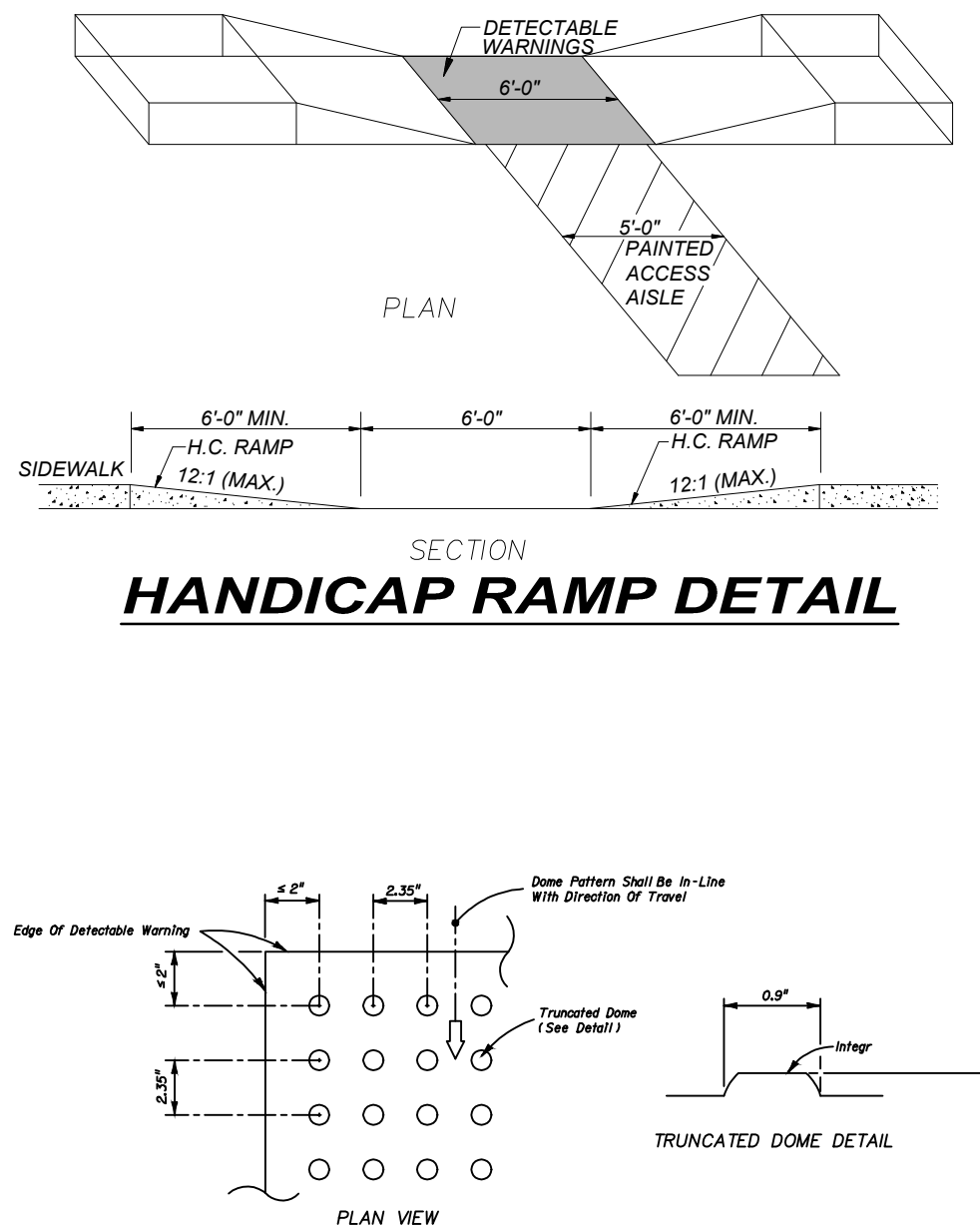
DAVE SCHMITT
ENGINEERING, INC.
12301 Lake Underhill Road Suite 241
ORLANDO, FL 32826
407-207-9088 FAX 407-207-9089
Certification of Authorization #27471

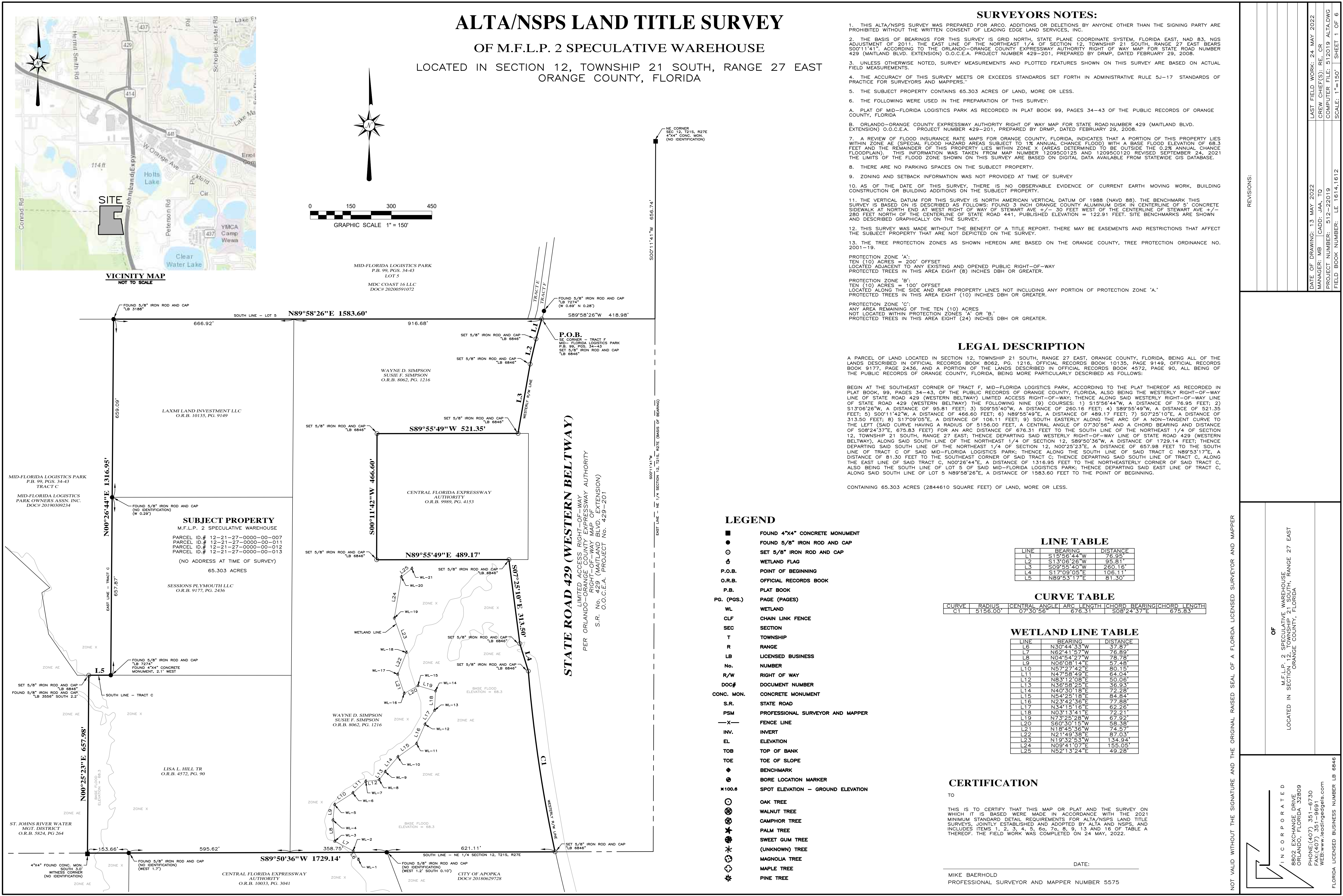
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DAVE M. SCHMITT
FLORIDA REG. NUMBER
48274

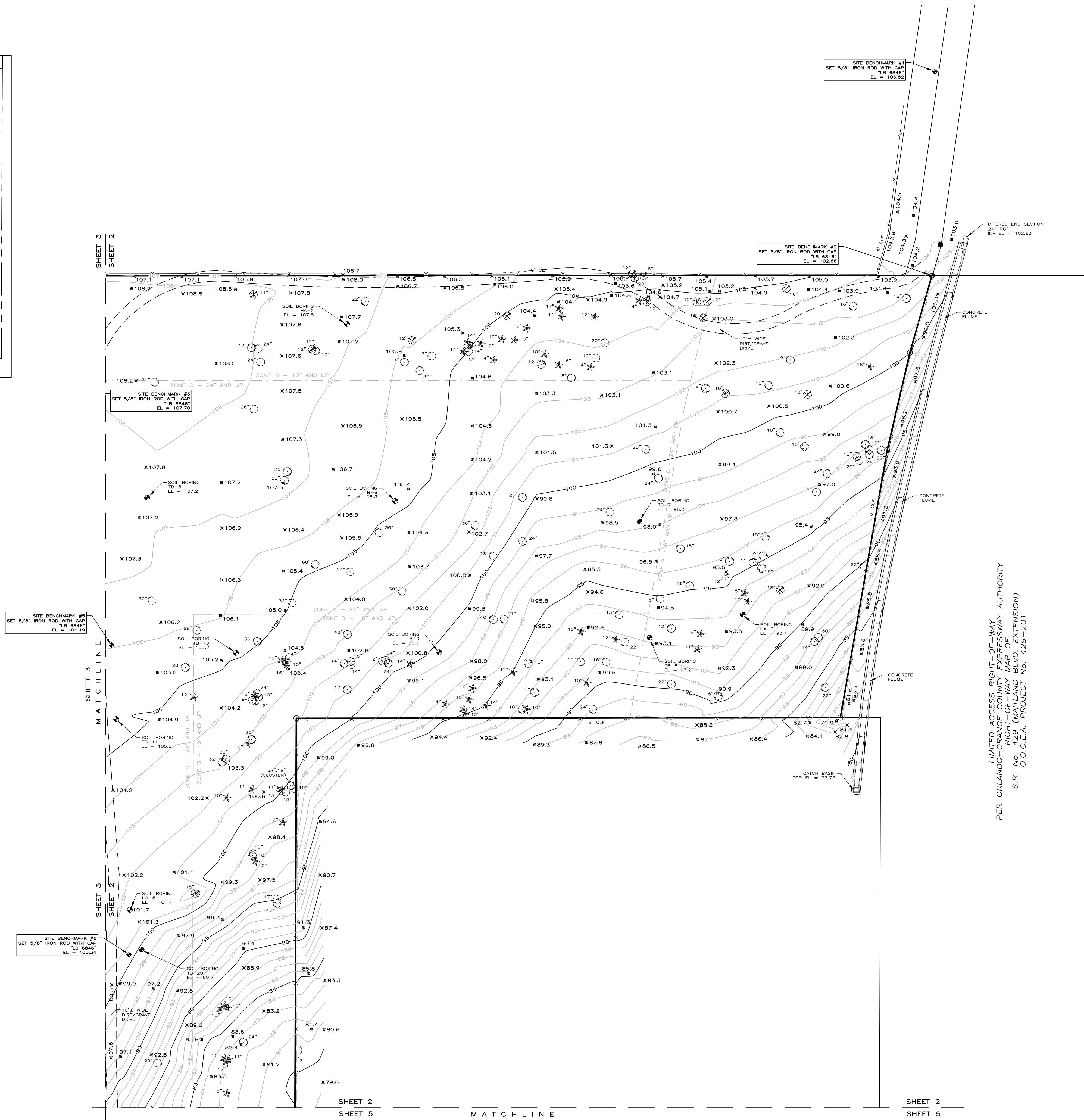
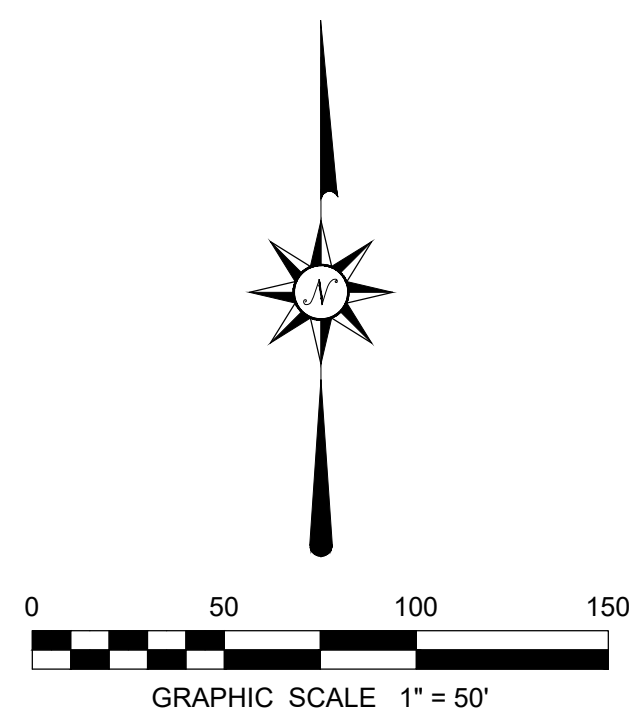
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MID-FLORIDA SOUTH LOGISTICS PARK
APOPKA, FLORIDA

DATE: APRIL 2023
PROJECT NO.: ANC-7
DRAWN BY: DM
CHECKED BY: DMS
SCALE: NONE
SHEET: 32 OF 33





INDEX MAP
NOT TO SCALE



PER ORLANDO-ORANGE COUNTY EXPRESSWAY AUTHORITY
LIMITED ACCESS RIGHT-OF-WAY
RIGHT-OF-WAY MAP OF
S.R. No. 429 (MAITLAND BLVD. EXTENSION)
O.O.C.E.A. PROJECT No. 429-201

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

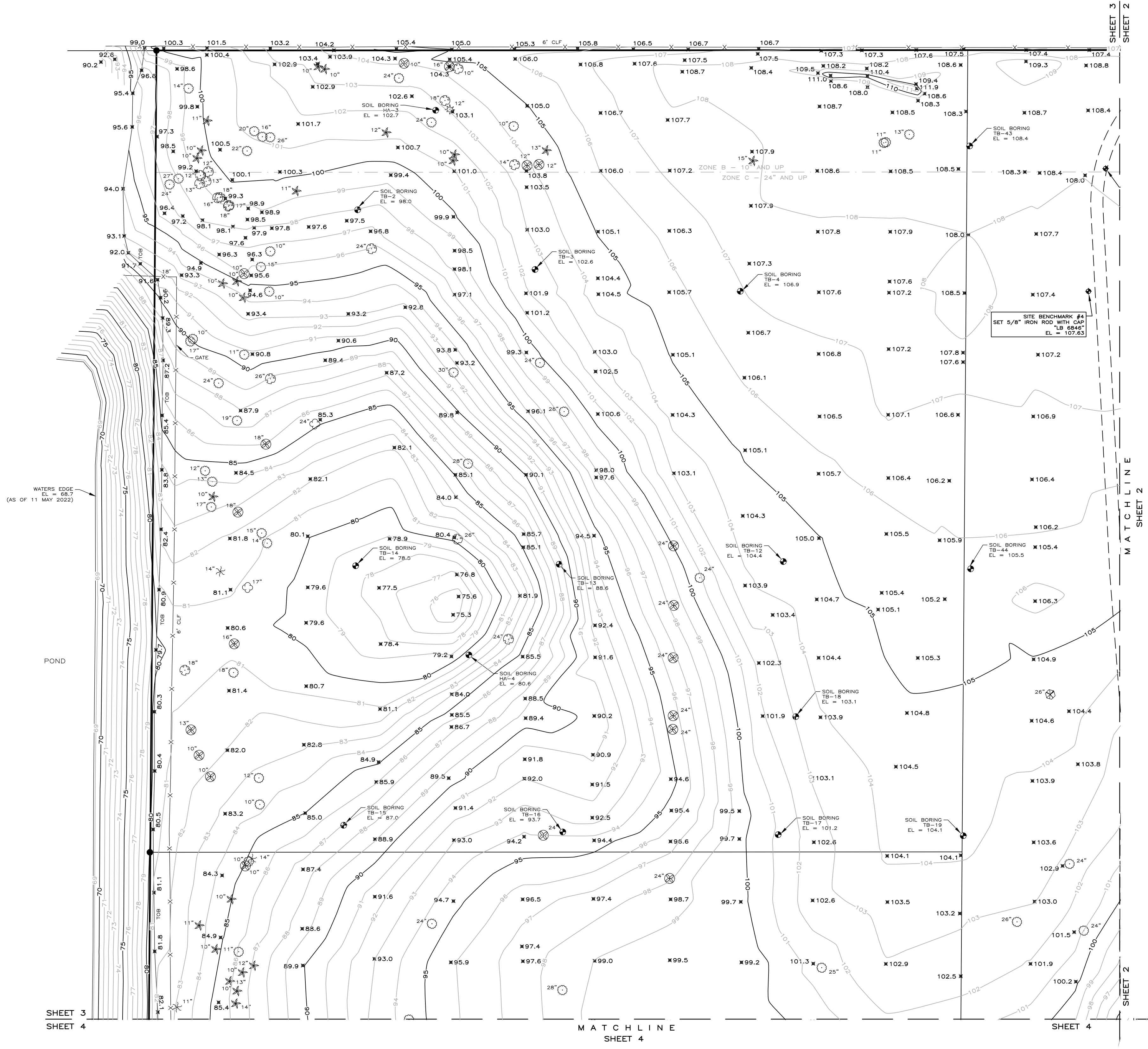
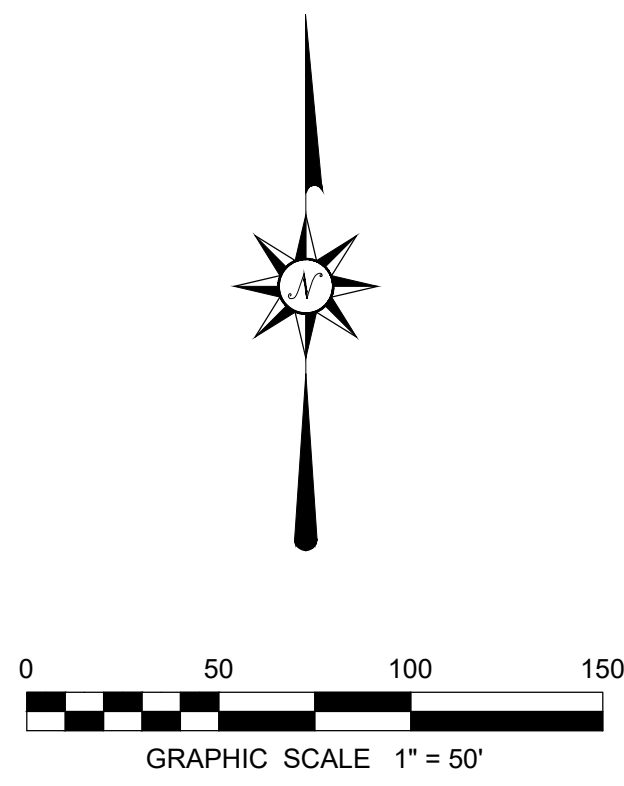
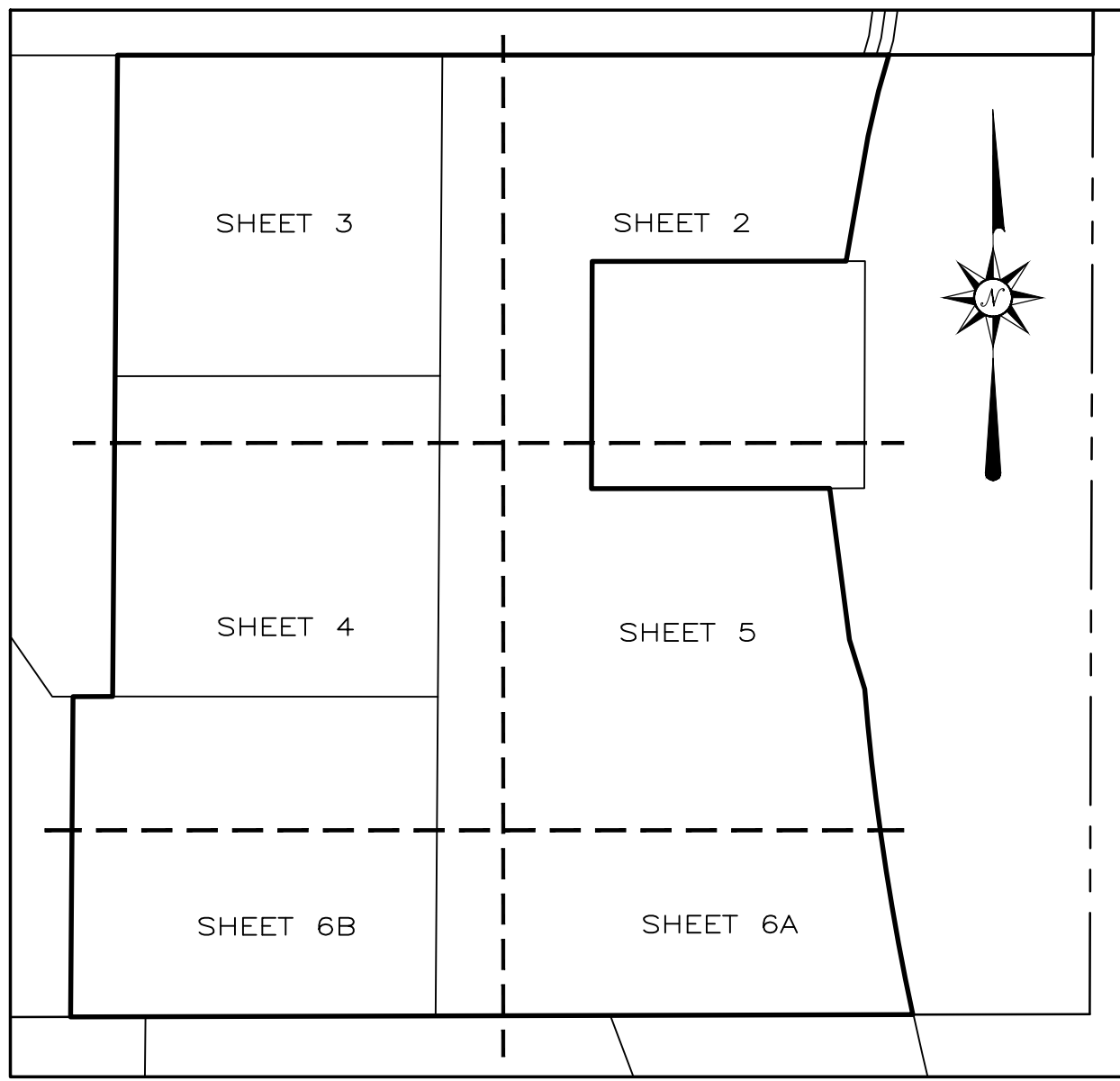
REVISIONS:

OF
M.F.L.P. 2 SPECULATIVE WAREHOUSE
LOCATED IN SECTION 12, TOWNSHIP 21 SOUTH, RANGE 27 EAST
ORANGE COUNTY, FLORIDA

INCORPORATED
8802 EXCHANGE DRIVE
ORLANDO, FLORIDA 32809
PHONE: (407) 351-6730
FAX: (407) 351-9691
WEB: www.leadingedgeqs.com

FLORIDA LICENSED BUSINESS NUMBER LB 6846

DATE OF DRAWING: 13 MAY 2022	LAST FIELD WORK: 24 MAY 2022
MANAGER: MB	CREW CHIEF(S): RE, CR
PROJECT NUMBER: 512-22019	COMPUTER FILE: 512019_ALTA.DWG
FIELD BOOK NUMBER: LE 1614,1612	SHEET 2 OF 6
	SCALE: 1"=50'



NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

INCORPORATED
8802 EXCHANGE DRIVE
ORLANDO, FLORIDA 32809
PHONE (407) 351-6730
FAX (407) 351-0691
WEB: www.eedingsdels.com
FLORIDA LICENSED BUSINESS NUMBER LB 6846

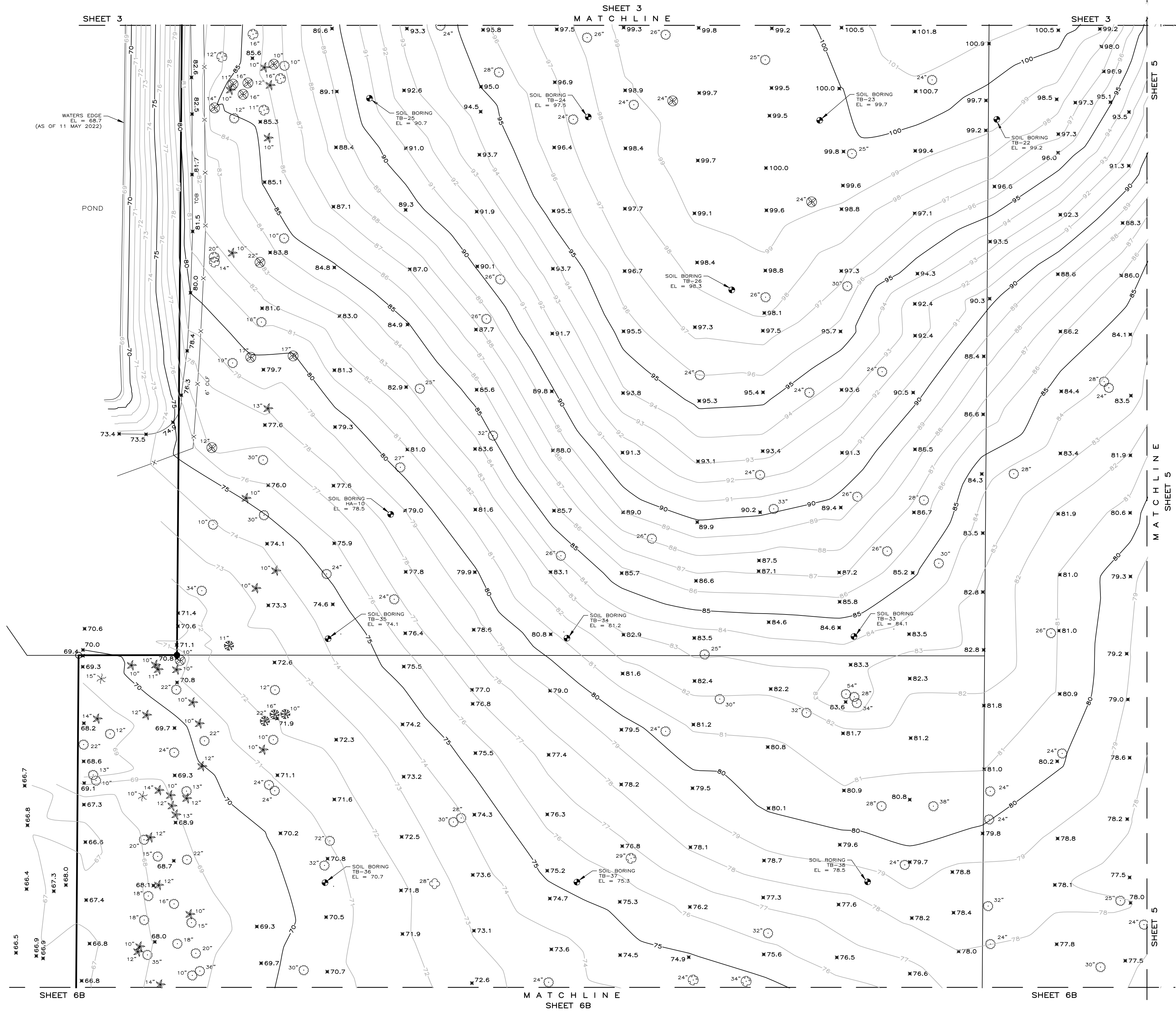
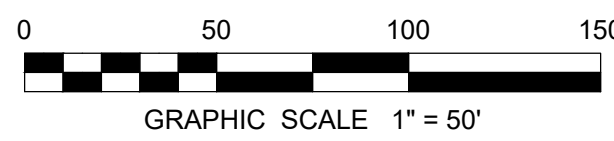
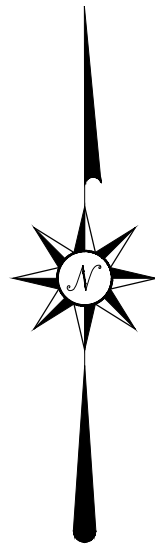
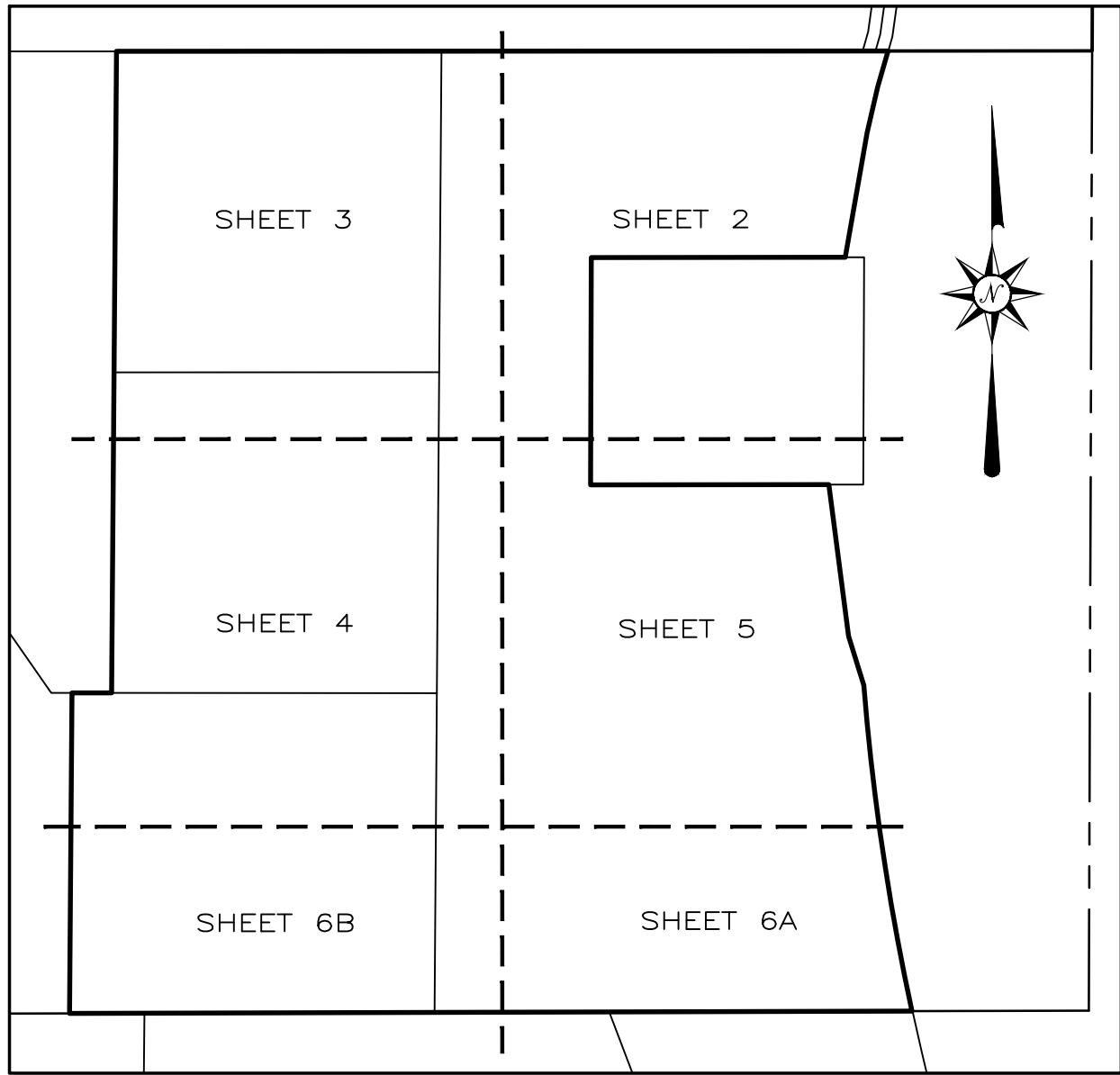
OF
M.F.L.P. 2 SPECULATIVE WAREHOUSE
LOCATED IN SECTION 12, TOWNSHIP 21 SOUTH, RANGE 27 EAST
ORANGE COUNTY, FLORIDA

REVISIONS:

DATE OF DRAWING: 13 MAY 2022
MANAGER: MB
PROJECT NUMBER: 512-22019
FIELD BOOK NUMBER: LE 1614.1612

LAST FIELD WORK: 24 MAY 2022
CREW CHIEF(S): RE, CR
CADD: JAA, TO
COMPUTER FILE: 512019 ALTADWG
SCALE: 1"=50'
SHEET 3 OF 6

Page 122 of 266



REVISIONS:

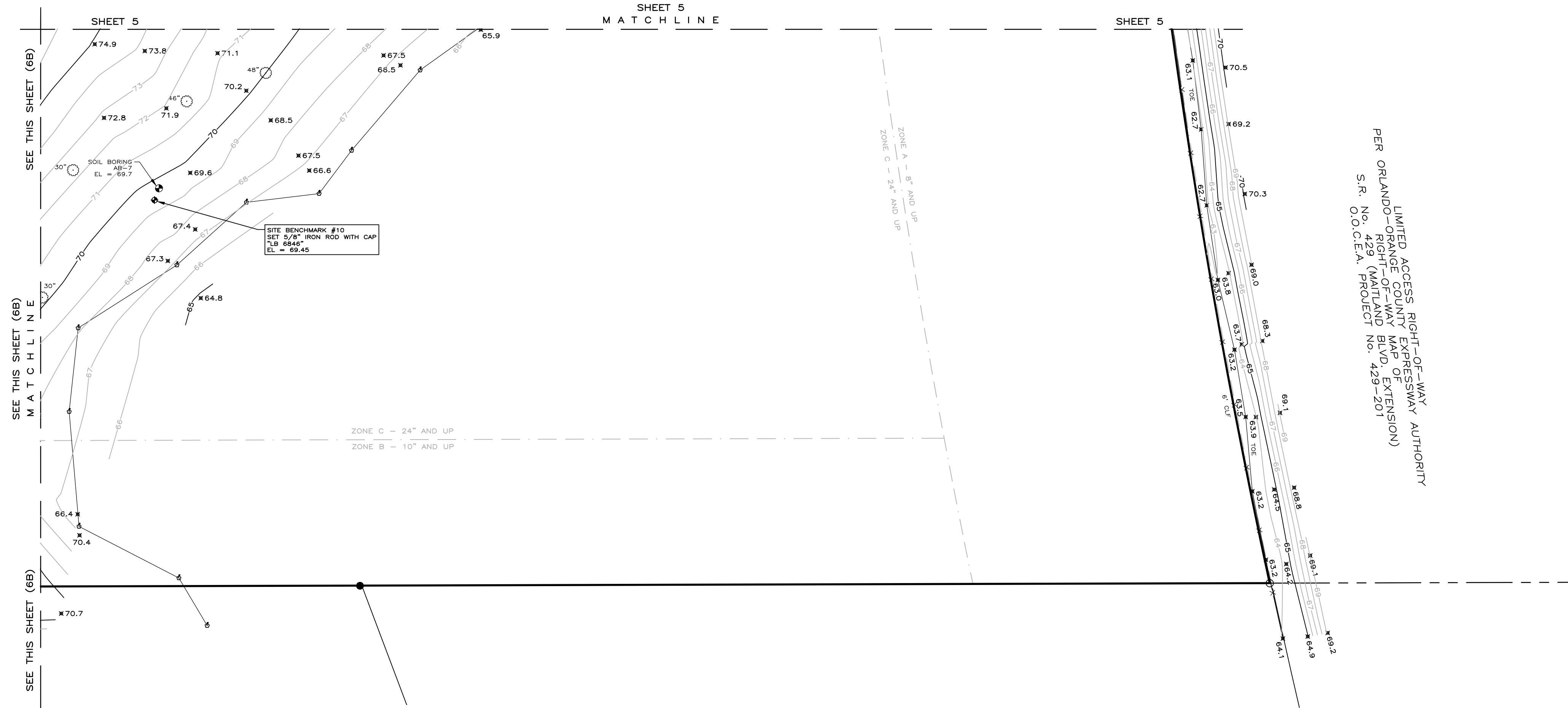
NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

OF
M.F.L.P. 2 SPECULATIVE WAREHOUSE
LOCATED IN SECTION 12, TOWNSHIP 21 SOUTH, RANGE 27 EAST
ORANGE COUNTY, FLORIDA

INCORPORATED
8802 EXCHANGE DRIVE
ORLANDO, FLORIDA 32809
PHONE (407) 351-6730
FAX (407) 351-0691
WEB: www.leedingeds.com

FLORIDA LICENSED BUSINESS NUMBER LB 6846

DATE OF DRAWING: 13 MAY 2022
MANAGER: MB
PROJECT NUMBER: 512-22019
FIELD BOOK NUMBER: LE 1614.1612
LAST FIELD WORK: 24 MAY 2022
CREW CHIEF(S): RE, CR
CADD: JAA, TO
COMPUTER FILE: 512019 ALTADWG
SCALE: 1"=50'
SHEET 4 OF 6

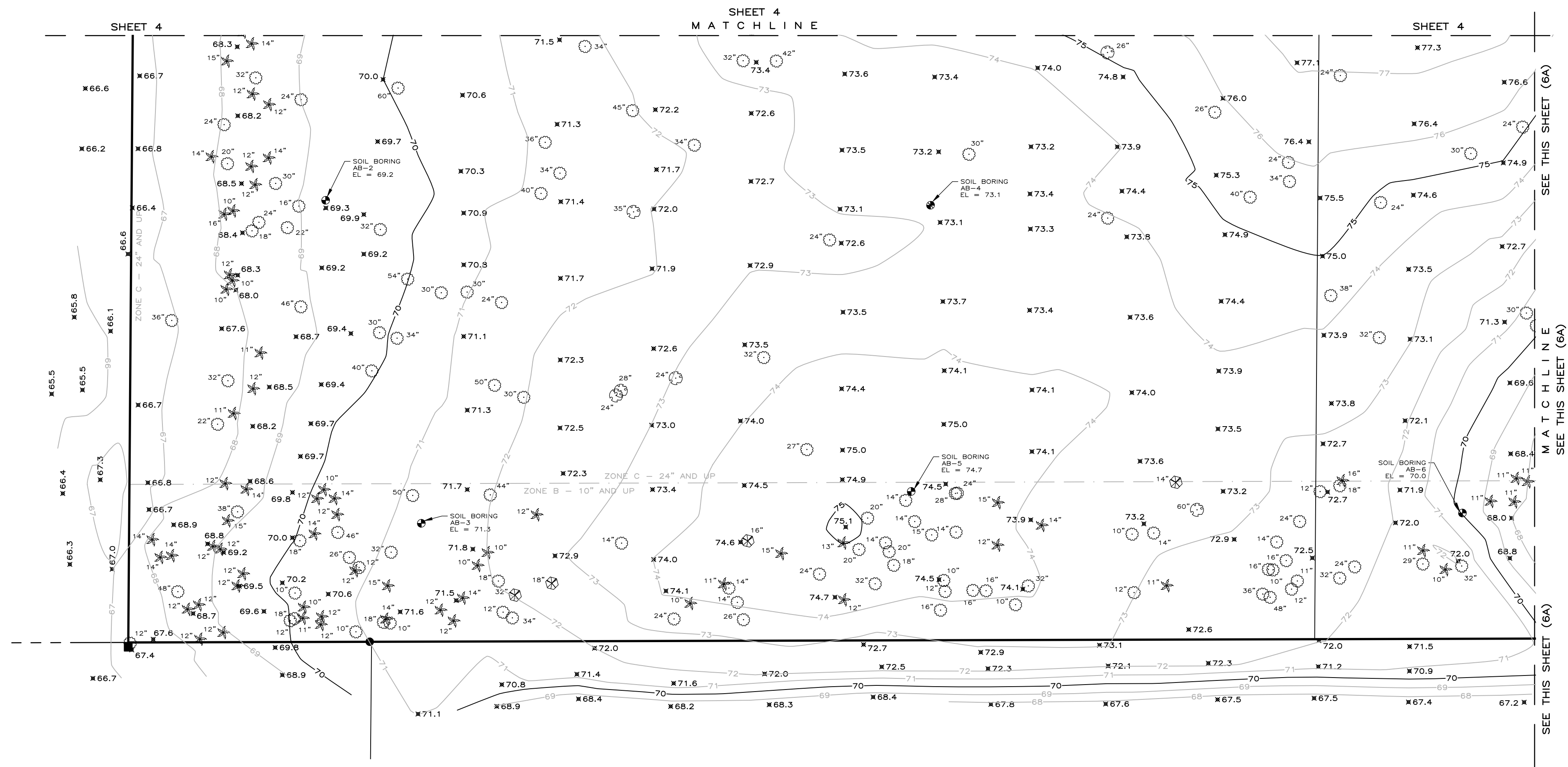


LIMITED ACCESS RIGHT-OF-WAY AUTHORITY
EXPRESSWAY MAP OF
ORANGE COUNTY (EXTENSION)
RIGHT-OF-WAY BLVD
PER ORLANDO - ORANGE COUNTY MAP OF
RIGHT-OF-WAY (MAYTILAND)
S.R. No. 429 PROJECT No. 429-201
O.O.C.E.A.

REVISIONS:

DATE OF DRAWING: 13 MAY 2022	LAST FIELD WORK: 24 MAY 2022
MANAGER: MB	CREW CHIEF(S): RE, CR
CADD: JAA, TO	COMPUTER FILE: 512019 ALTA.DWG
PROJECT NUMBER: 512-22019	
FIELD BOOK NUMBER: LE 1614,1612	SCALE: 1"=50'
	SHEET 6 OF 6

SHEET 6A

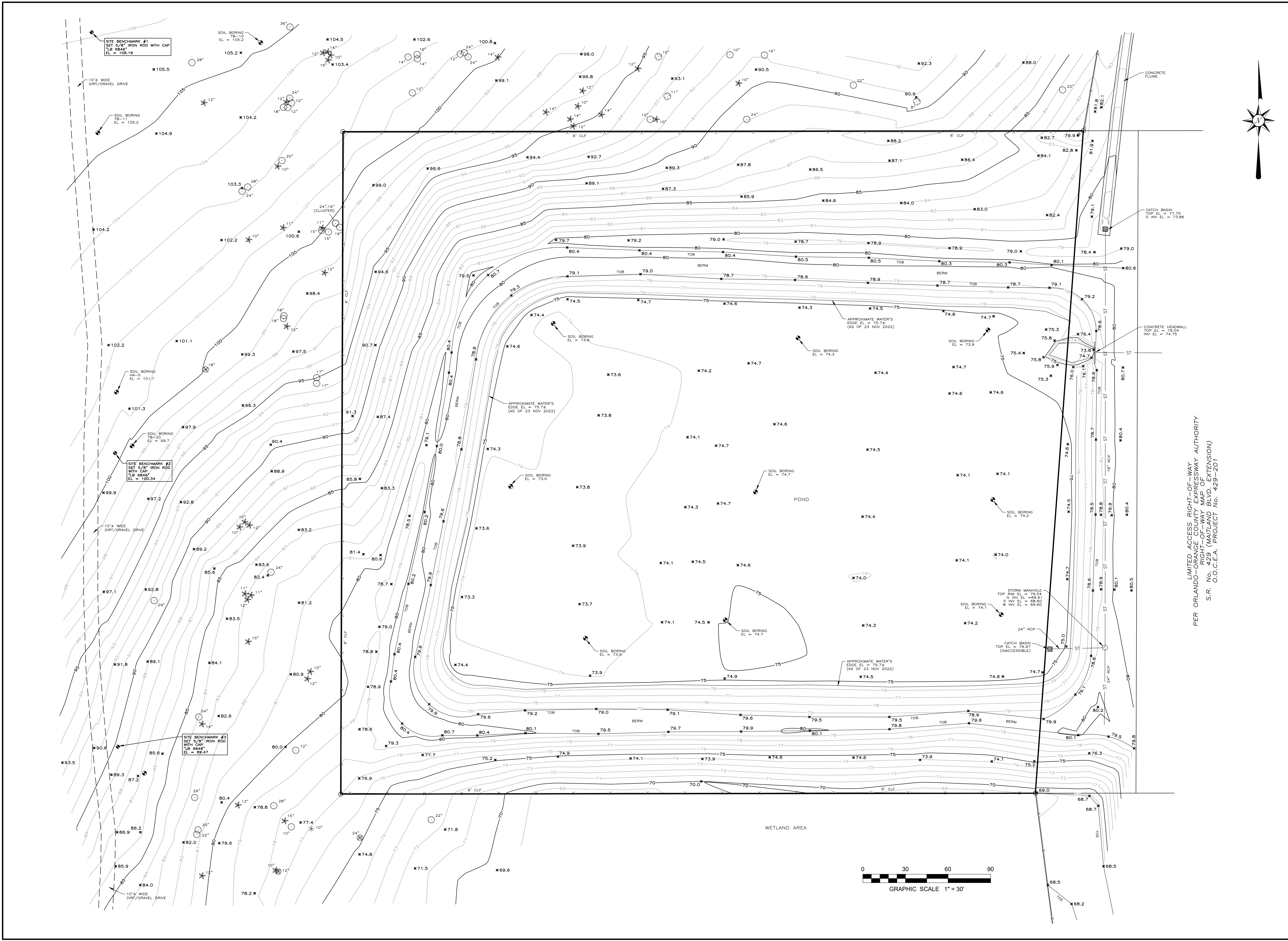


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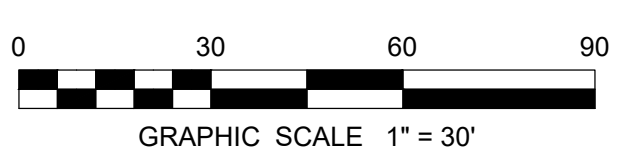
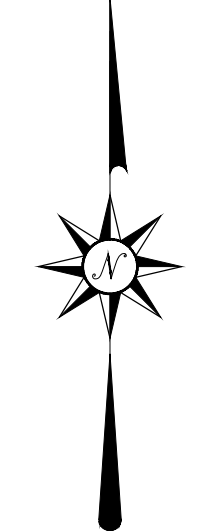
OF
M.F.L.P., 2 SPECULATIVE WAREHOUSE
LOCATED IN SECTION 12, TOWNSHIP 21 SOUTH, RANGE 27 EAST
ORANGE COUNTY, FLORIDA

/ I N C O R P O R A T E D
8802 EXCHANGE DRIVE
ORLANDO, FLORIDA 32809
PHONE: (407) 351-6730
FAX: (407) 351-9691
WEB: www.leadingdeals.com

FLORIDA LICENSED BUSINESS NUMBER LB 6846



LIMITED ACCESS RIGHT-OF-WAY
PER ORLANDO-ORANGE COUNTY EXPRESSWAY AUTHORITY
RIGHT-OF-WAY MAP OF
S.R. No. 429 (MAITLAND BLVD. EXTENSION)
O.O.C.E.A. PROJECT No. 429-201



NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

INCORPORATED 8802 EXCHANGE DRIVE ORLANDO, FLORIDA 32809 PHONE (407) 351-6730 FAX (407) 351-0691 WEB www.leadingsurveys.com FLORIDA LICENSED BUSINESS NUMBER LB 6846	M.F.L.P. 2 SPECULATIVE WAREHOUSE LOCATED IN SECTION 12, TOWNSHIP 21 SOUTH, RANGE 27 EAST ORANGE COUNTY, FLORIDA	REVISIONS:	DATE OF DRAWING: 28 NOV 2022 MANAGER: MB PROJECT NUMBER: 512-22019 FIELD BOOK NUMBER: LE 1614.1612	LAST FIELD WORK: 23 NOV 2022 CREW CHIEF(S): RE, CR COMPUTER FILE: 512019BT.DWG SCALE: 1"=30'

*MID-FLORIDA
LOGISTICS PARK
PHASE - II
CITY OF APOPKA, FLORIDA*

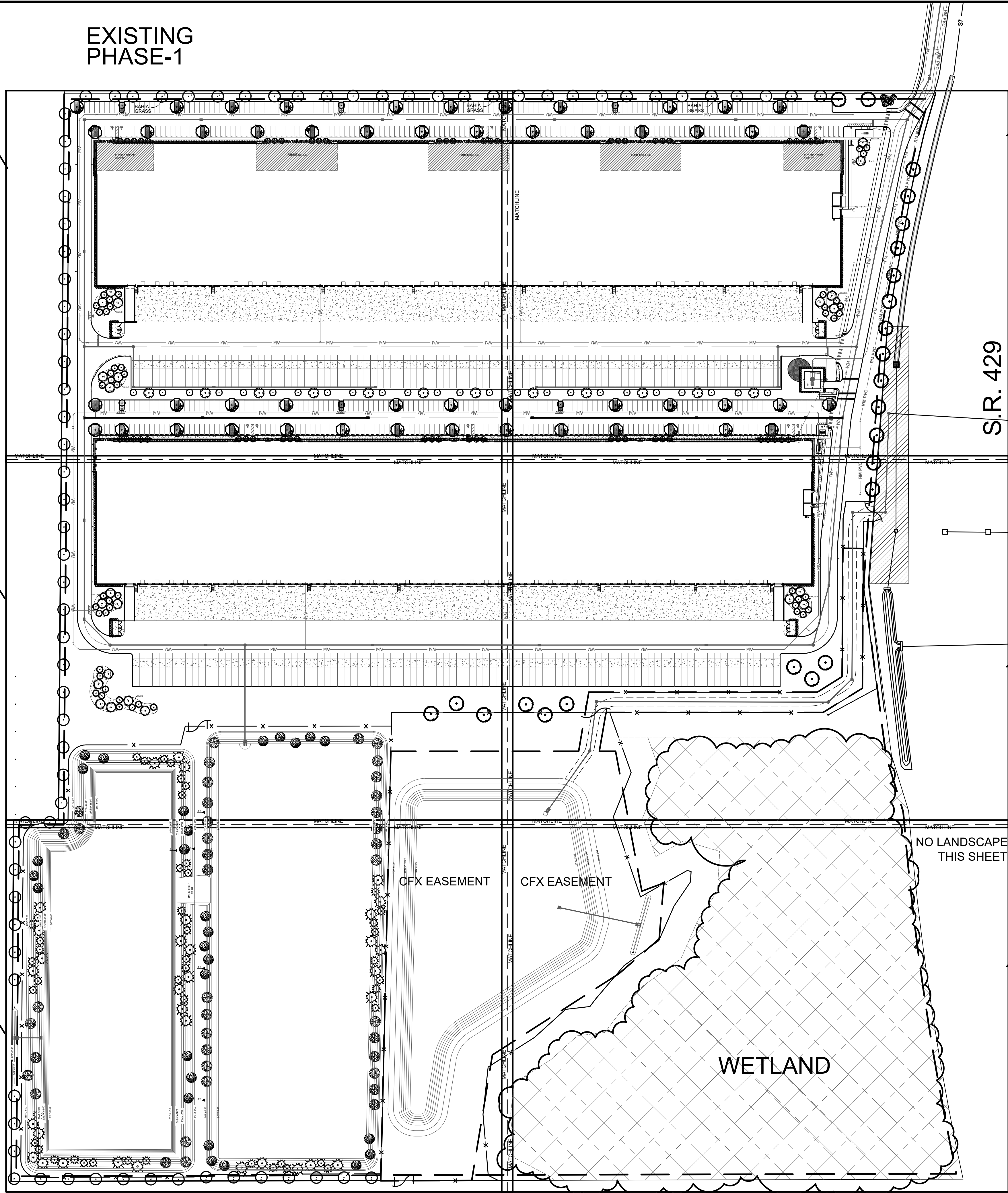
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K-100	MASTER KEY PLAN	I-102	IRRIGATION PLAN
L-100	MASTER LANDSCAPE PLAN	I-103	IRRIGATION PLAN
L-101	LANDSCAPE PLAN	I-104	IRRIGATION PLAN
L-102	LANDSCAPE PLAN	I-105	IRRIGATION PLAN
L-103	LANDSCAPE PLAN	I-106	IRRIGATION PLAN
L-104	LANDSCAPE PLAN	I-500	IRRIGATION DETAILS
L-105	LANDSCAPE PLAN		
L-106	LANDSCAPE PLAN		
L-500	LANDSCAPE PLANT LIST		

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SEE SHEET L-101
FOR LANDSCAPE PLAN
SEE SHEET I-101
FOR IRRIGATION PLAN

SEE SHEET L-103
FOR LANDSCAPE PLAN
SEE SHEET I-103
FOR IRRIGATION PLAN

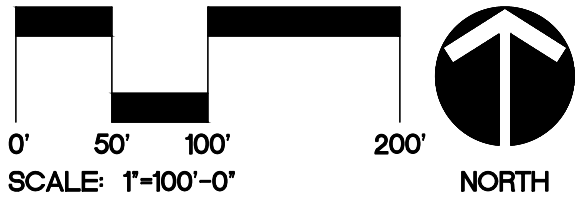
SEE SHEET L-105
FOR LANDSCAPE PLAN
SEE SHEET I-105
FOR IRRIGATION PLAN



SEE SHEET L-102
FOR LANDSCAPE
PLAN
SEE SHEET I-102
FOR IRRIGATION
PLAN

SEE SHEET L-104
FOR LANDSCAPE
PLAN
SEE SHEET I-104
FOR IRRIGATION
PLAN

SEE SHEET L-106
FOR LANDSCAPE
PLAN
SEE SHEET I-106
FOR IRRIGATION
PLAN



MID-FLORIDA LOGISTICS - PHASE-II

PROJECT NO. 2024-001		REV. 1	DESCRIPTION 1	DATE 02/16/24	PROJECT ADDRESS 12345 MAIN ST, SUITE 100, ORLANDO, FL 32838	OWNER NAME AND ADDRESS 12345 MAIN ST, SUITE 100, ORLANDO, FL 32838	
PHASE 1	CONSTRUCTION DOCUMENTS	1					
SCALE 1"=100'-0"							
FILE NAME 21-165							
DRAWN BY CDR							
CHECKED BY CDR							
DATE 10/24/2023							

BORRELLI + PARTNERS
ARCHITECTURE PLANNING LANDSCAPE INTERIOR
ORLANDO, FL 32838
770 VASSAR STREET
ORLANDO, FL 32838
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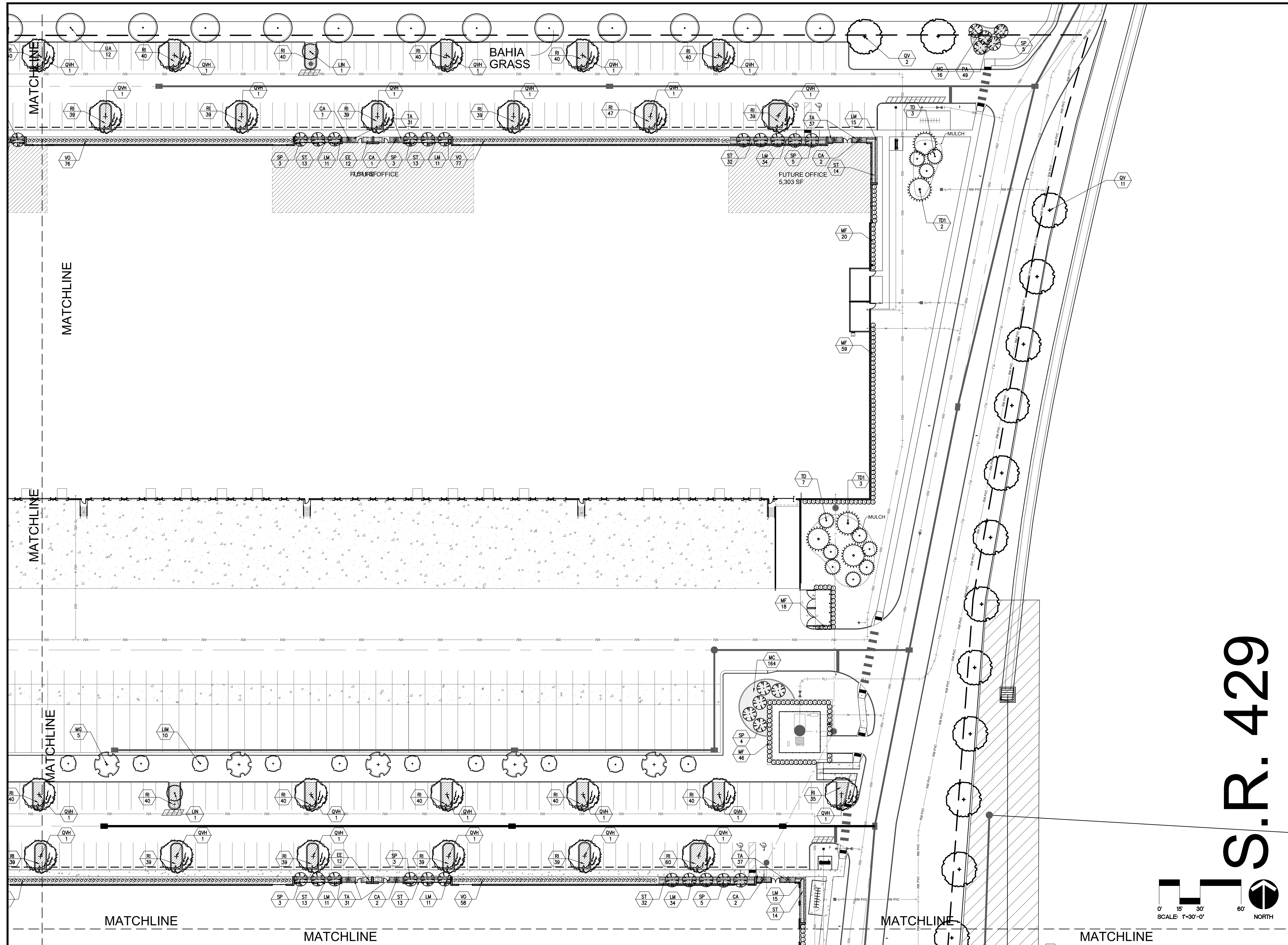
Signature of Christopher D. Rice

CHRISTOPHER D. RICE
L 666712

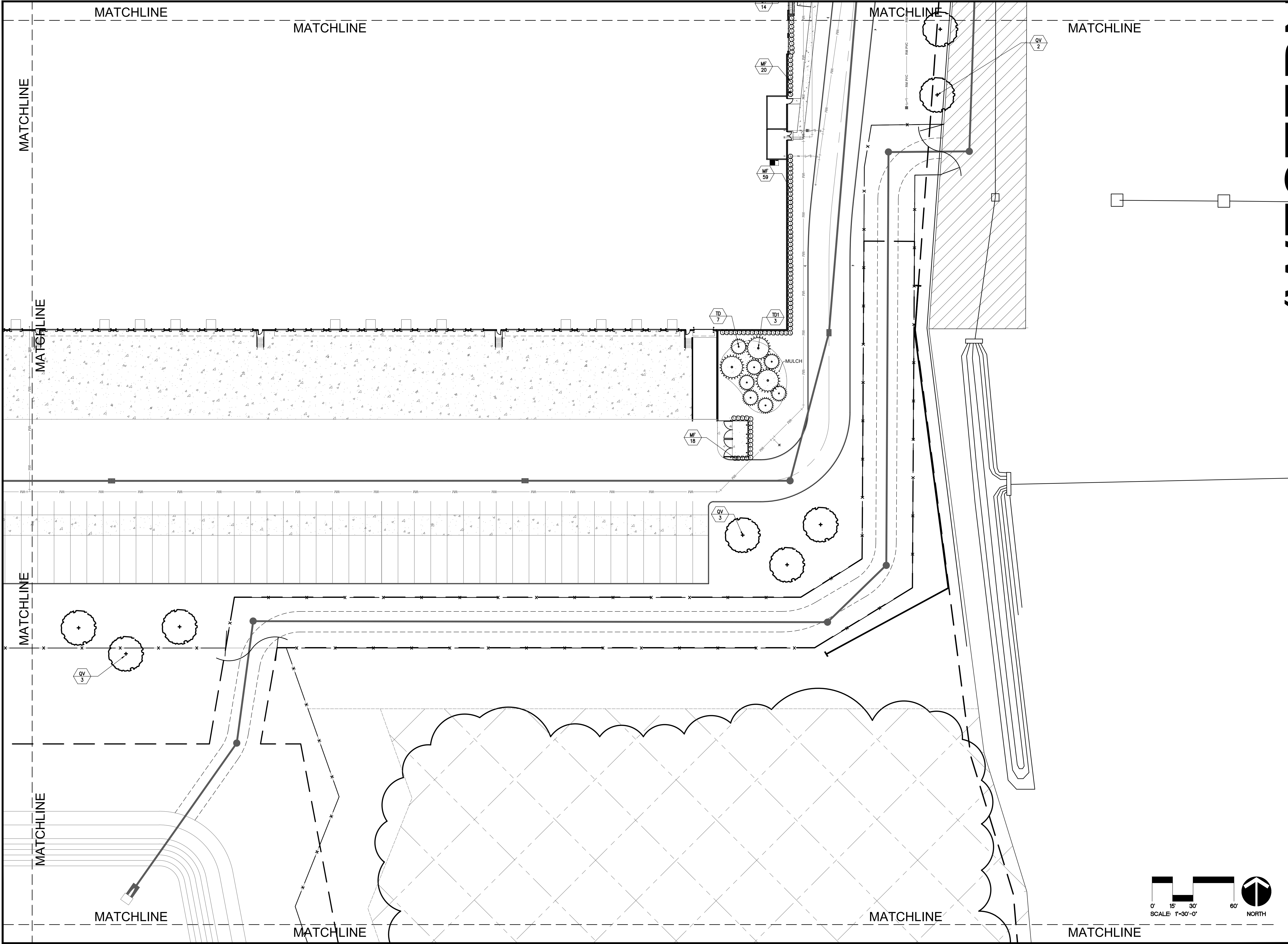
SIGNATURE AND DATED SEAL

K-100









MID-FLORIDA LOGISTICS - PHASE-II

PROJECT NO.	REV.	DESCRIPTION	DATE	PROJECT ADDRESS	DRAWING TITLE	CONSULTANTS	SIGNATURE AND DATED SEAL
ANC-7	1.	CIVIL BASE UPDATE	02/16/24		LANDSCAPE PLAN		
PHASE							
SCALE							
FILE NAME							
DRAWN BY							
CHECKED BY							
DATE							

0'

15'

30'

60'

SCALE: 1"=30'-0"

NORTH

L-104

BORRELLI + PARTNERS

ARCHITECTURE PLANNING LANDSCAPE INTERIOR

770 VASSAR STREET

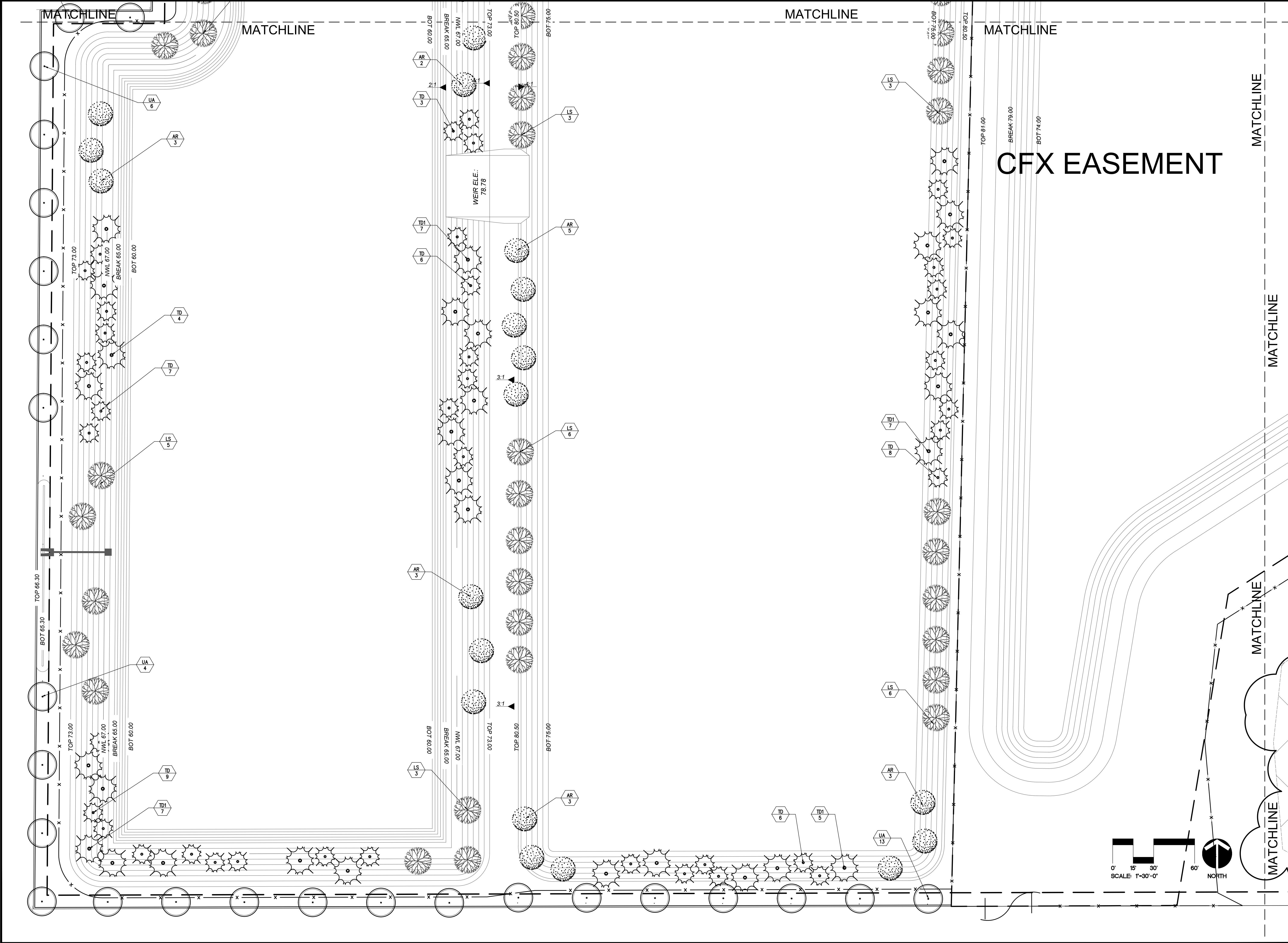
ORLANDO, FL 32804-1407

407.443.1388

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CRISTOPHER D. RICE

L A666712



PROJECT NO.

ANC-7

PHASE

CONSTRUCTION DOCUMENTS

SCALE

1"=30'-0"

FEE NAME

21-165

DRAWN BY

LS

CHECKED BY

CDR

DATE

10/24/2023

REV.

1.

DESCRIPTION

CIVIL BASE UPDATE

DATE

09/16/24

PROJECT ADDRESS

OWNER NAME AND ADDRESS

CONSULTANTS

DRAWING TITLE

LANDSCAPE PLAN

SIGNATURE AND DATED SEAL

770 VASSAR STREET
ORLANDO, FL 32834-1407
TEL: 407.443.1388

BORRELLI + PARTNERS

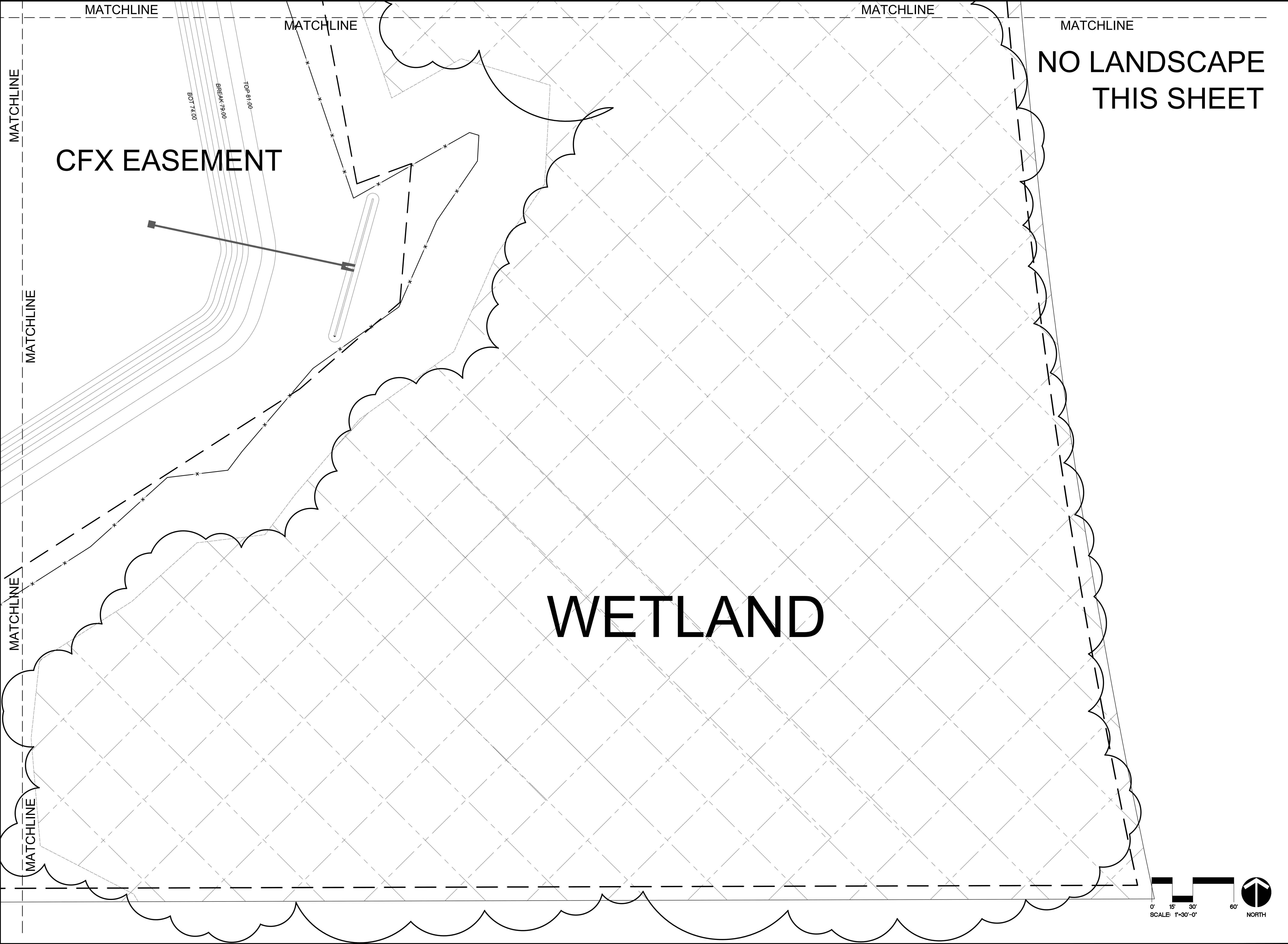
ARCHITECTURE PLANNING LANDSCAPE INTERIOR

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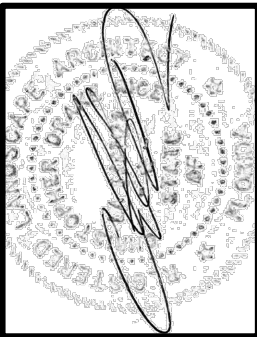
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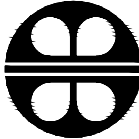
MID-FLORIDA LOGISTICS - PHASE-II

Page 135 of 266

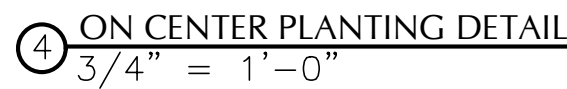
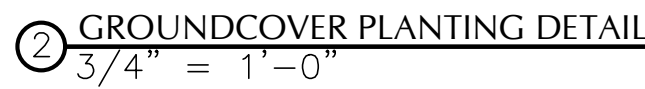


MID-FLORIDA LOGISTICS - PHASE-II

PROJECT NO. AN-7		REV.	DESCRIPTION	DATE	PROJECT ADDRESS	DRAWING TITLE	CONSULTANTS	SIGNATURE AND DATED SEAL	 CHRISTOPHER D. RICE LA6667122
PHASE CONSTRUCTION DOCUMENTS		1.	CIVIL BASE UPDATE	02/16/24		LANDSCAPE PLAN			
SCALE 1"=30'-0"									
FILE NAME 21-165									
DRAWN BY LS									
CHECKED BY CDR									
DATE 10/24/2023									
L-106									

**BORRELLI + PARTNERS**
ARCHITECTURE PLANNING LANDSCAPE INTERIOR
ORLANDO, FL 32804 (407) 446-1388

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The diagram illustrates the required tree protection zone. A tree is shown with a trunk and branches. A horizontal line represents the ground surface. A rectangular area, 6 feet wide, is centered on the tree trunk, representing the root impact zone. This area is enclosed by a fence made of 2x4 posts and 0.75-inch diameter fencing. The fence is set at least 3 feet above ground and at least 3 feet below ground. The total diameter of the protection zone is 24 feet. The diagram also shows the tree's canopy and the ground surface.

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.

TREE TO BE

S MEASURED
TER AT BREAST
ND MEASURED AT
GRADE.

6" MAX.

MIN. 2" X 4" POSTS

ALL DEVELOPMENT ACTIVITIES ARE PROHIBITED WITHIN FENCED AREAS.

FENCING SHALL BE SET IN PLACE PRIOR TO CONSTRUCTION.

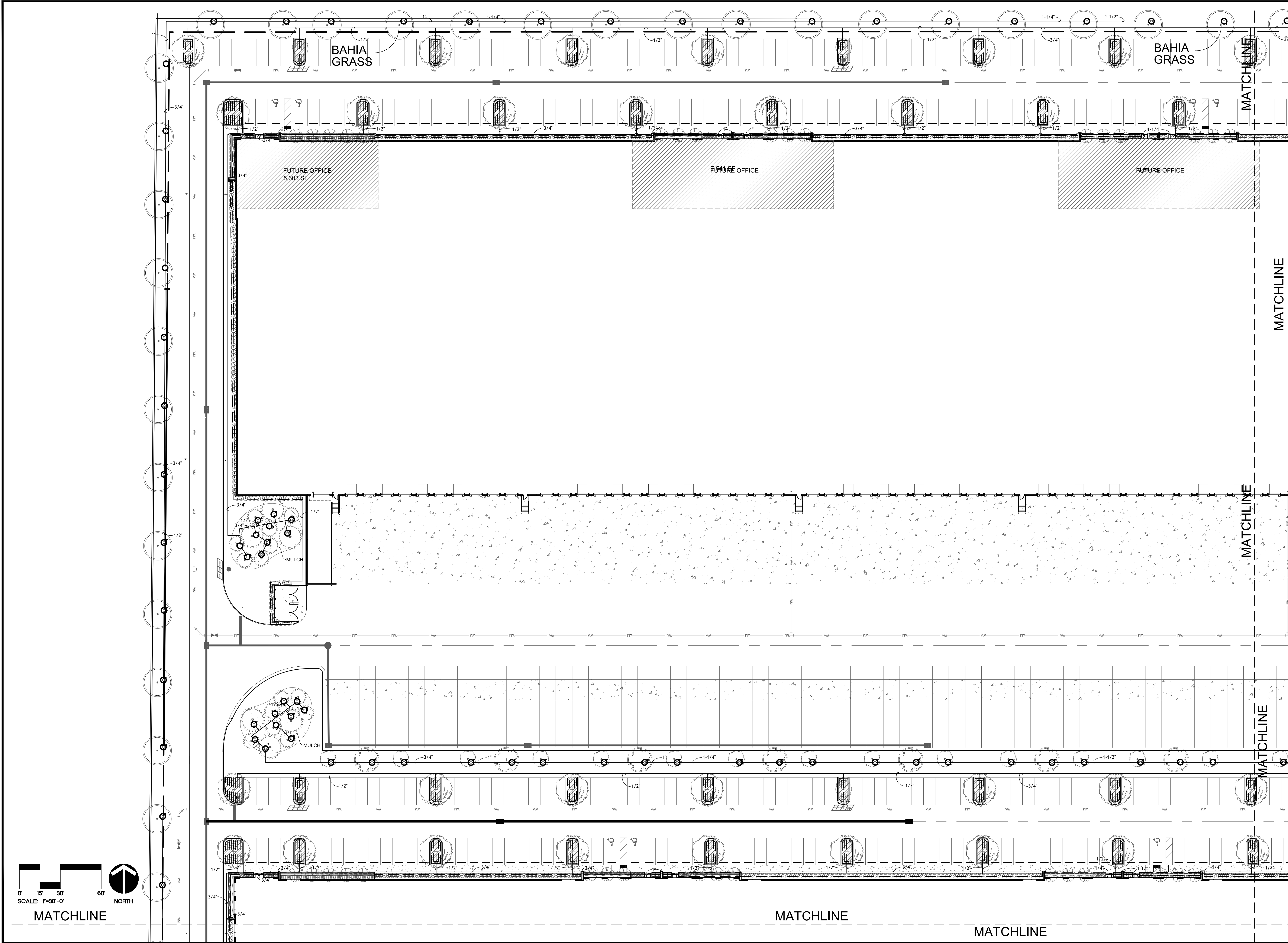
MIN. 3'

0.75" PER CAL. INCH

0.75" PER CAL. INCH

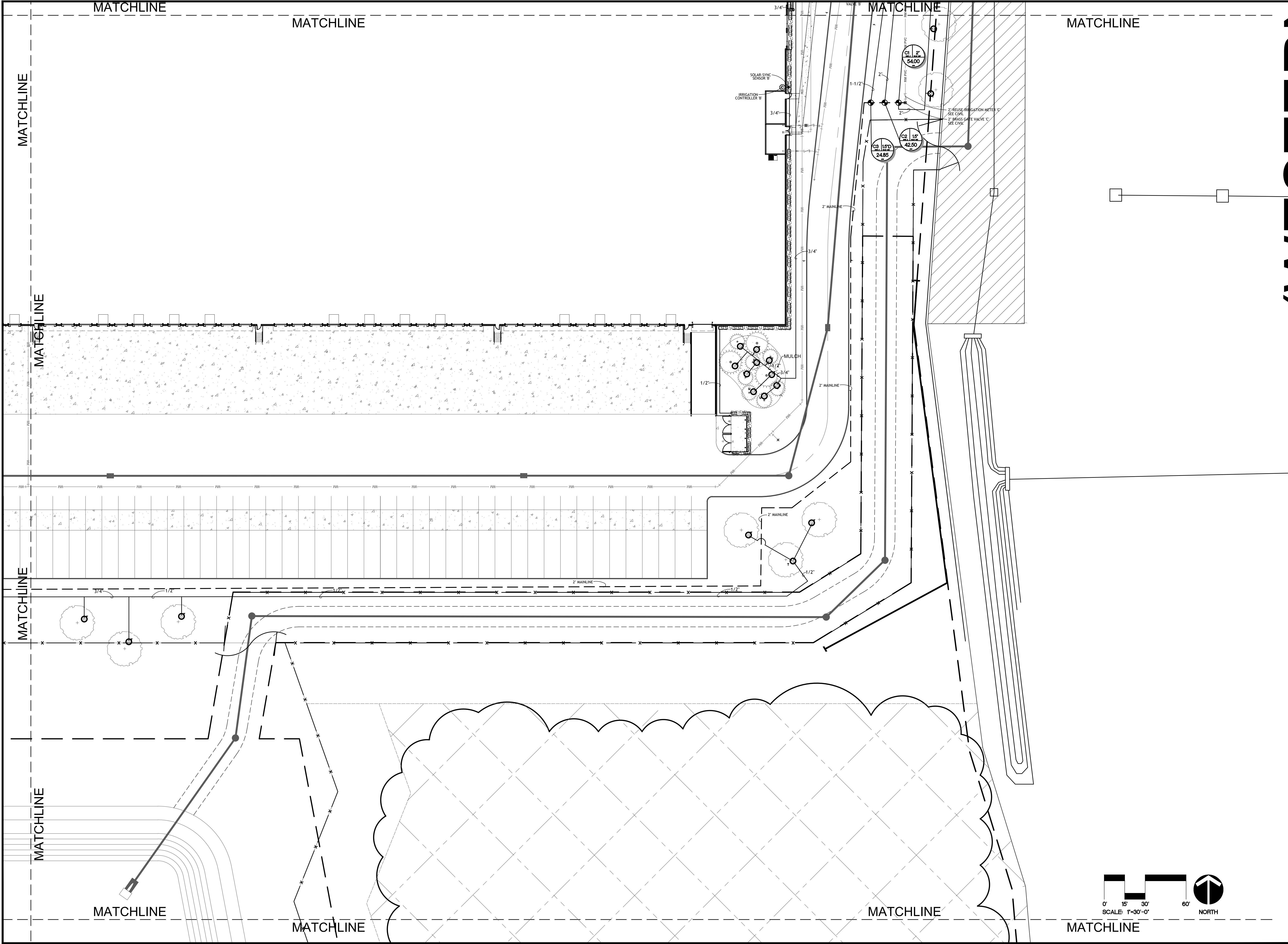
NOTES: FENCING SHALL BE AT LEAST 3' ABOVE GROUND AND MIN. OF 3' BELOW GRADE.
THE MAXIMUM REQUIRED UNDISTURBED AREA SHALL NOT EXCEED 24' FROM CENTER OF TREE.





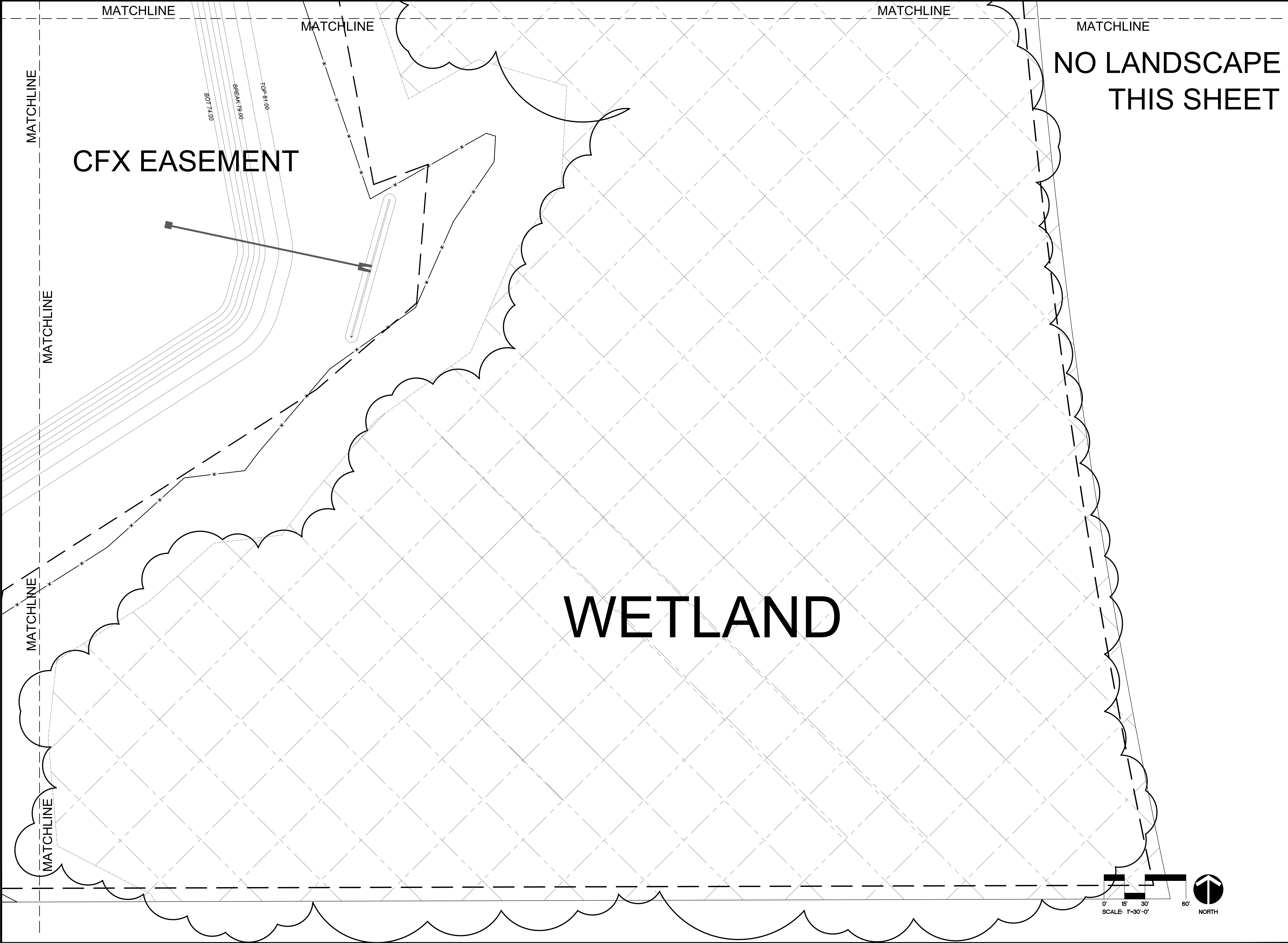
MID-FLORIDA LOGISTICS - PHASE-II

REV.	DESCRIPTION	DATE	PROJECT ADDRESS	DRAWING TITLE	CONSULTANTS	SIGNATURE AND DATED SEAL
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PROJECT NO.	ANC-7					
PHASE	CONSTRUCTION DOCUMENTS					
SCALE	1"=30'-0"					
FILE NAME	21-165					
DRAWN BY	LS					
CHECKED BY	CDR					
DATE	10/24/2023					
OWNER NAME AND ADDRESS						
I-101						
BORRELLI + PARTNERS ARCHITECTURE PLANNING LANDSCAPE INTERIOR 770 VASSAR STREET ORLANDO, FL 32834 (407) 444-1338 CONFIDENTIAL: THIS DRAWING IS THE PROPERTY OF BORRELLI + PARTNERS. UNLESS OTHERWISE PROVIDED IN WRITING, IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT THE WRITTEN PERMISSION OF BORRELLI + PARTNERS, ANY PART THEREOF IS LOANED TO THE ARCHITECT. COPYRIGHT BORRELLI + PARTNERS, INC. 2021						
L A 666712						

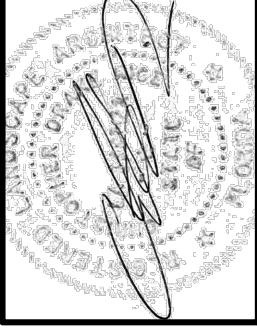


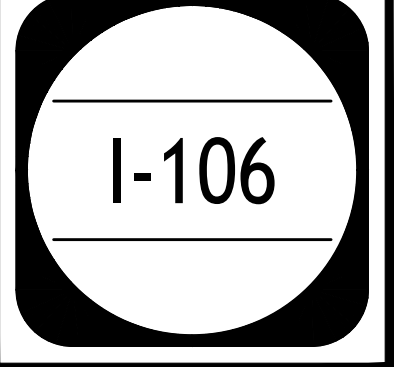
MID-FLORIDA LOGISTICS - PHASE-II

PROJECT NO.	REV.	DESCRIPTION	DATE	PROJECT ADDRESS	DRAWING TITLE	CONSULTANTS	SIGNATURE AND DATED SEAL
ANC-7	1.	CIVIL BASE UPDATE	02/16/24		IRRIGATION PLAN		
PHASE		CONSTRUCTION DOCUMENTS					
SCALE		1"=30'-0"					
FILE NAME		21-165					
DRAWN BY		LS					
CHECKED BY		CDR					
DATE		10/24/2023					
OWNER NAME AND ADDRESS							
I-104							
BORRELLI + PARTNERS ARCHITECTURE PLANNING LANDSCAPE INTERIOR 770 VASSAR STREET ORLANDO, FL 32834-1407 CONFIDENTIAL: THIS DRAWING IS THE PROPERTY OF BORRELLI + PARTNERS. UNLESS OTHERWISE PROVIDED IN WRITING, IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT THE WRITTEN PERMISSION OF BORRELLI + PARTNERS, ANY PART THEREOF IS LOANED TO THE ARCHITECT. COPYRIGHT BORRELLI + PARTNERS, INC. 2021							

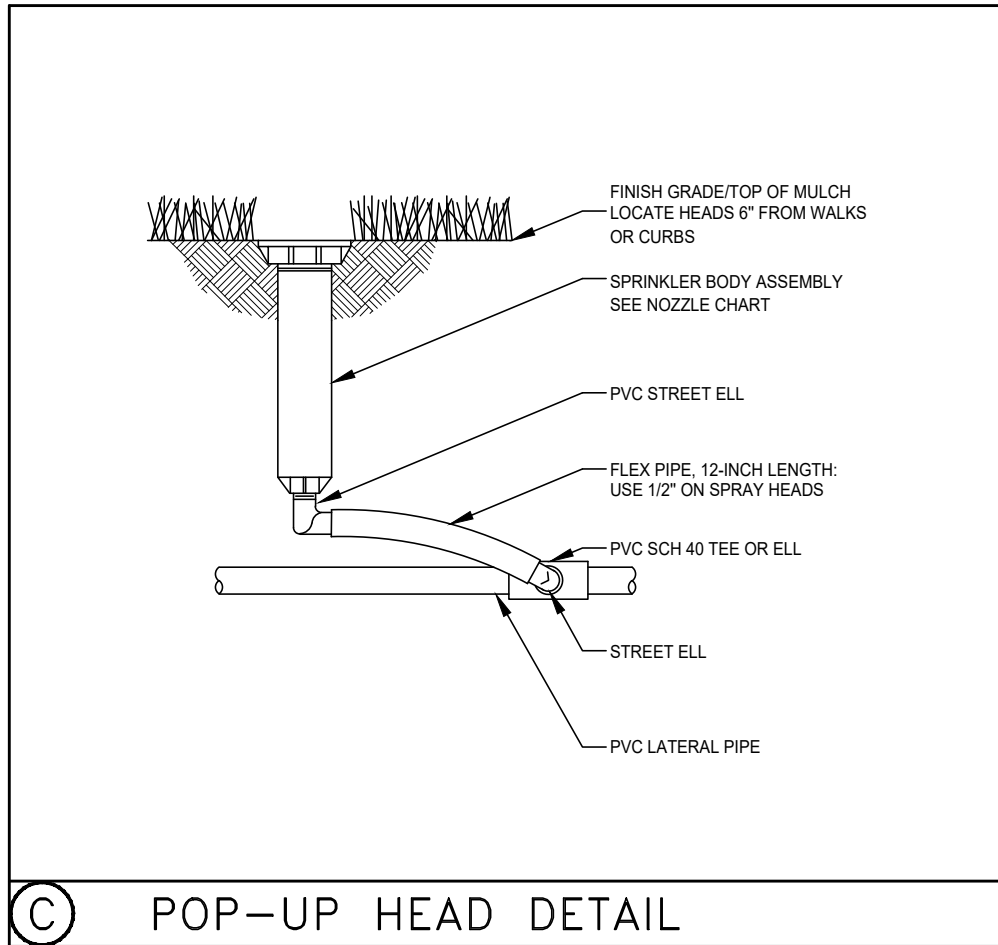
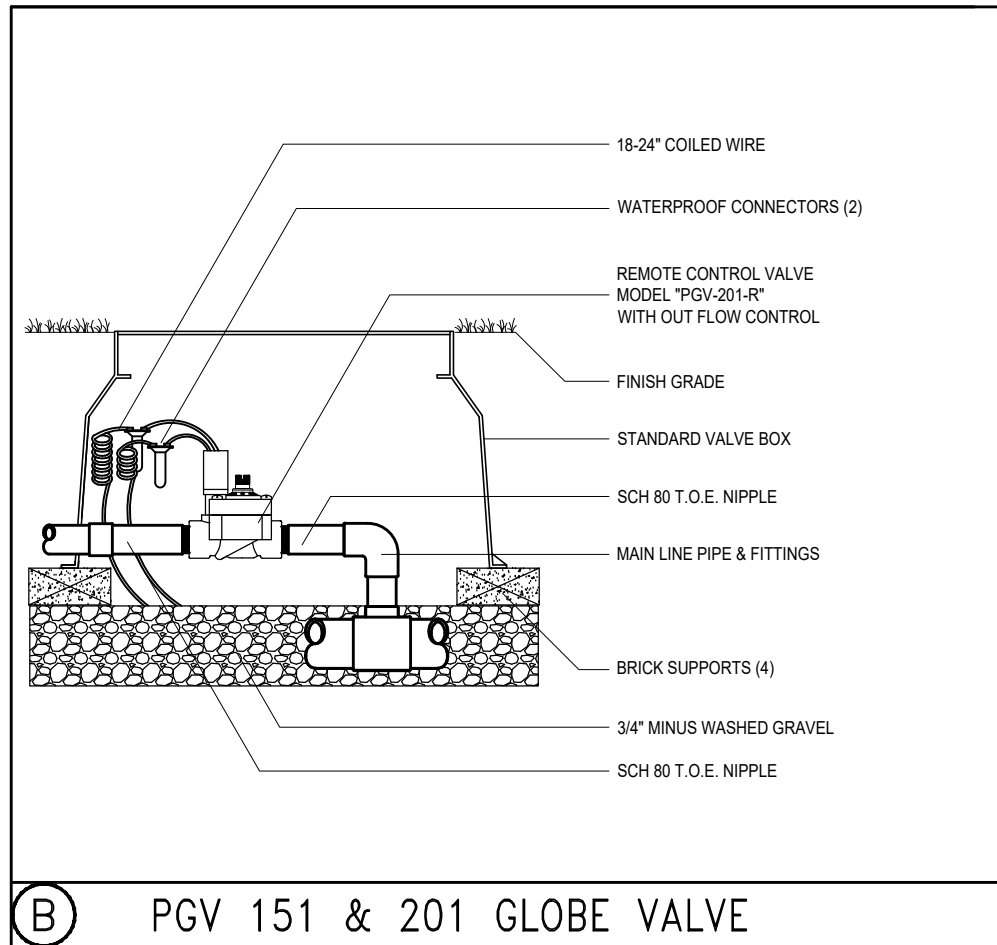
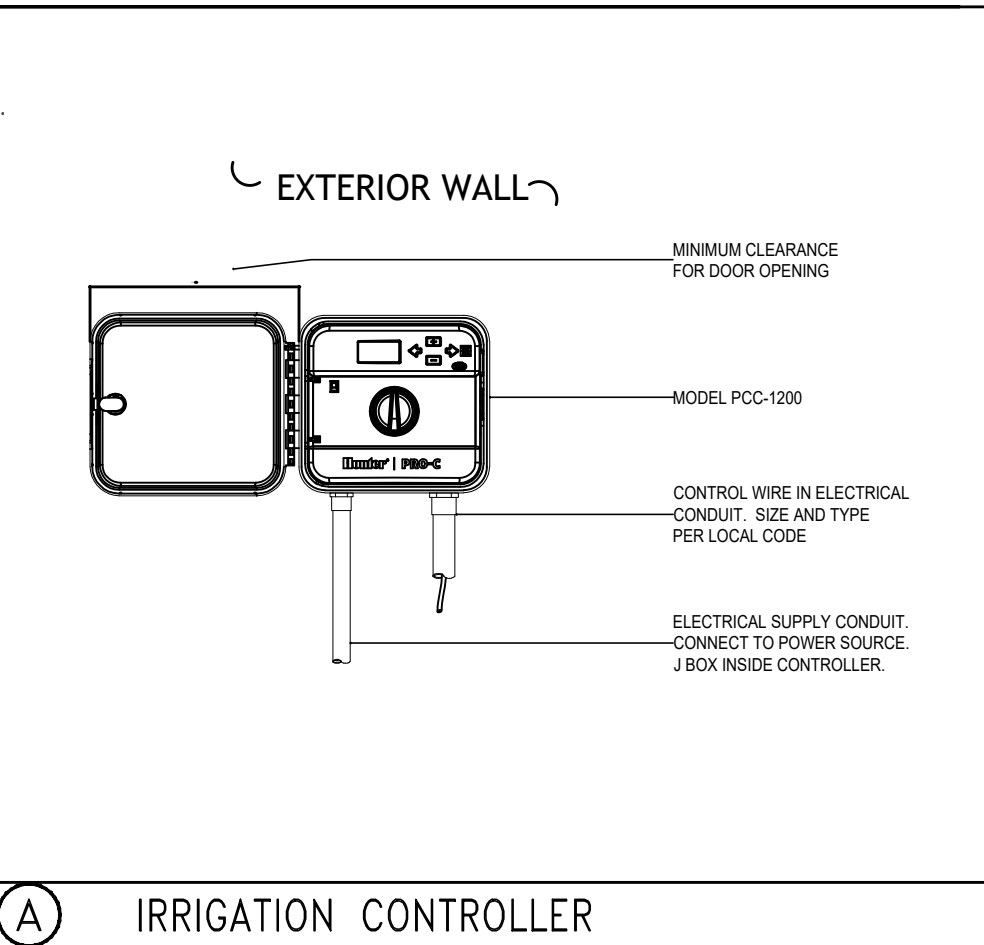


MID-FLORIDA LOGISTICS - PHASE-II

PROJECT NO. ANC-7		REV.	DESCRIPTION	DATE	PROJECT ADDRESS	DRAWING TITLE	CONSULTANTS	SIGNATURE AND DATED SEAL		 BORRELLI + PARTNERS ARCHITECTURE PLANNING LANDSCAPE INTERIOR ORLANDO, FL 32804 (407) 446-1388 CONFIDENTIAL: THIS DRAWING IS THE PROPERTY OF BORRELLI + PARTNERS. UNLESS OTHERWISE PROVIDED IN WRITING, IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT THE WRITTEN PERMISSION OF BORRELLI + PARTNERS, ANY REUSE OR MODIFICATION OF THIS DRAWING IS STRICTLY PROHIBITED.
PHASE	CONSTRUCTION DOCUMENTS	1.	CIVIL BASE UPDATE	02/16/24		IRRIGATION PLAN				
SCALE	1"=30'-0"									
FILE NAME	21-165					OWNER NAME AND ADDRESS				
DRAWN BY	LS									
CHECKED BY	CDR									
DATE	10/24/2023									



IRRIGATION 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	5x15' LEFT STRIP	.22
	R	COPPER	5x15' RIGHT STRIP	.22
	S	BROWN	5x30' SIDE STRIP	.44
	T	PCN10	0.50 GPM FLOOD BUBBLER	.50
BUBBLERS AND MICRO-SPRAYS	U	PCN50	1.00 GPM FLOOD BUBBLER	1.00
	V	SR-4Q	90° 4' RADIUS	.22
	W	SR-4H	180° 4' RADIUS	.44
	AA	ORANGE	90° ADJUSTABLE ARC	.23
	BB	ORANGE	180° ADJUSTABLE ARC	.42
MP900 6'-12' radius	CC	ORANGE	210° ADJUSTABLE ARC	.43
	DD	GREEN	360° ARC	.78

IRRIGATION QUANTITIES

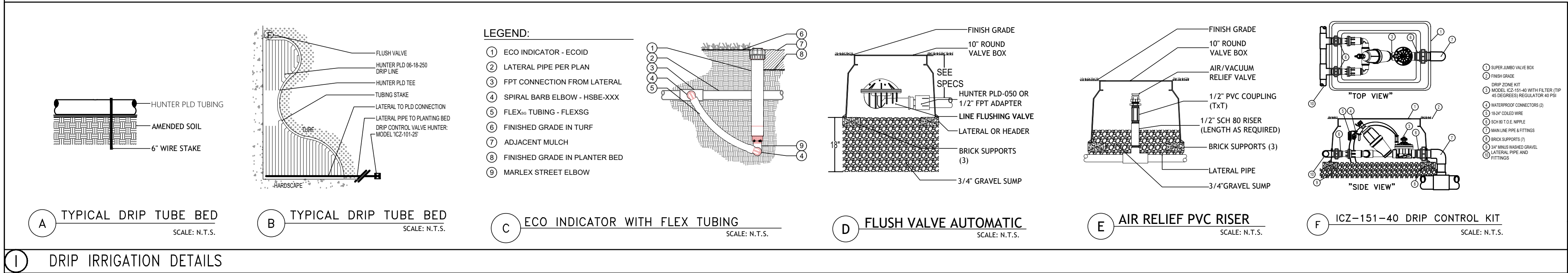
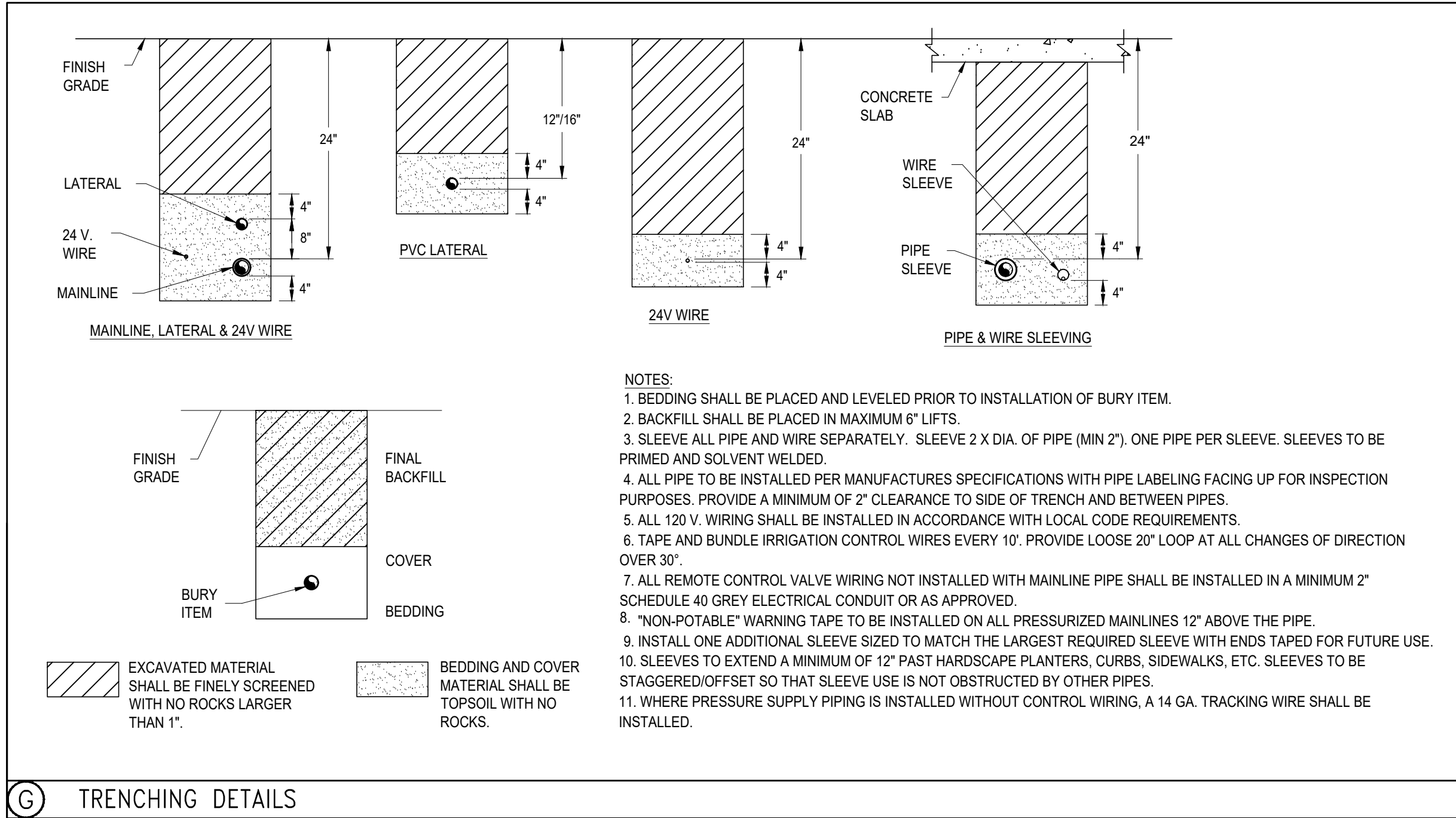
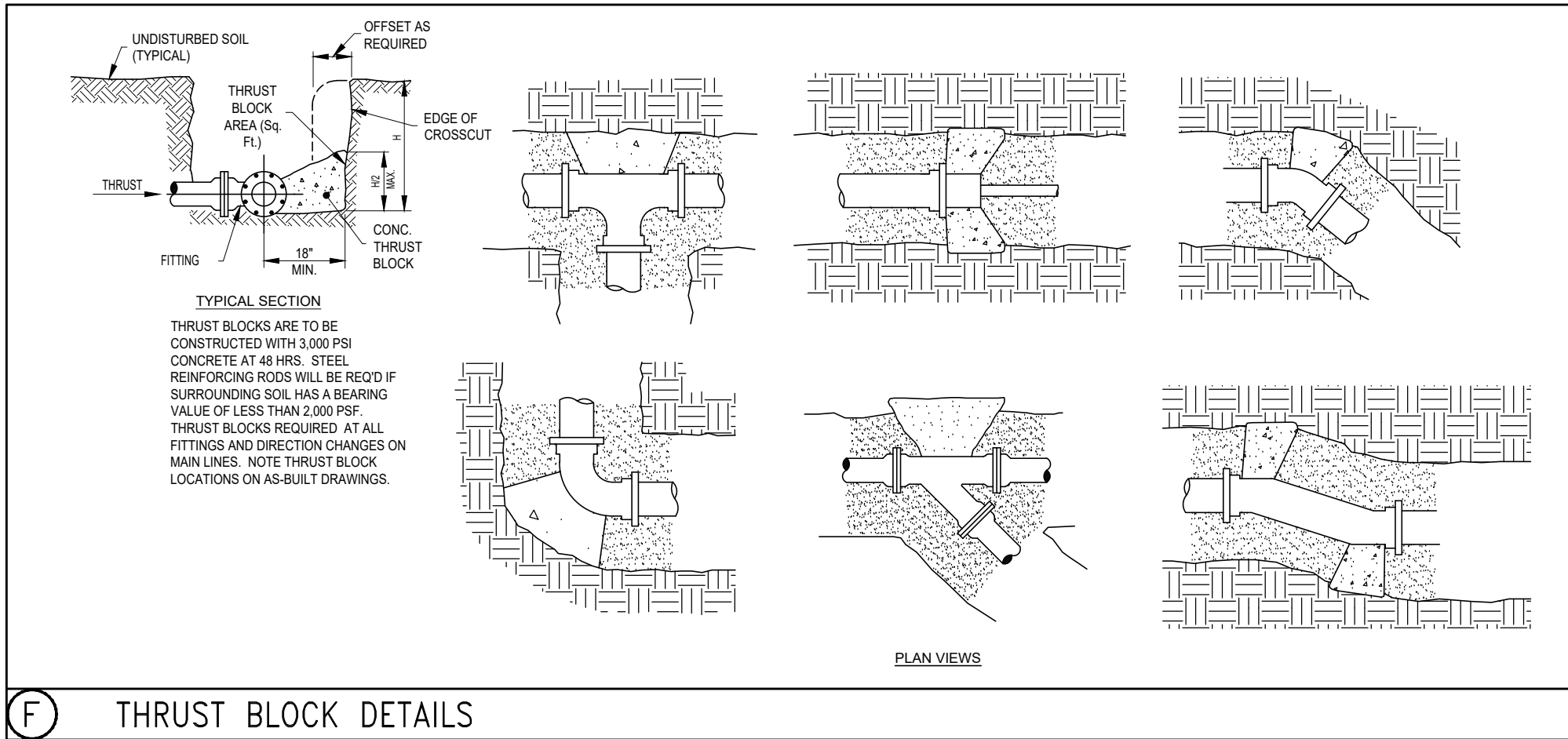
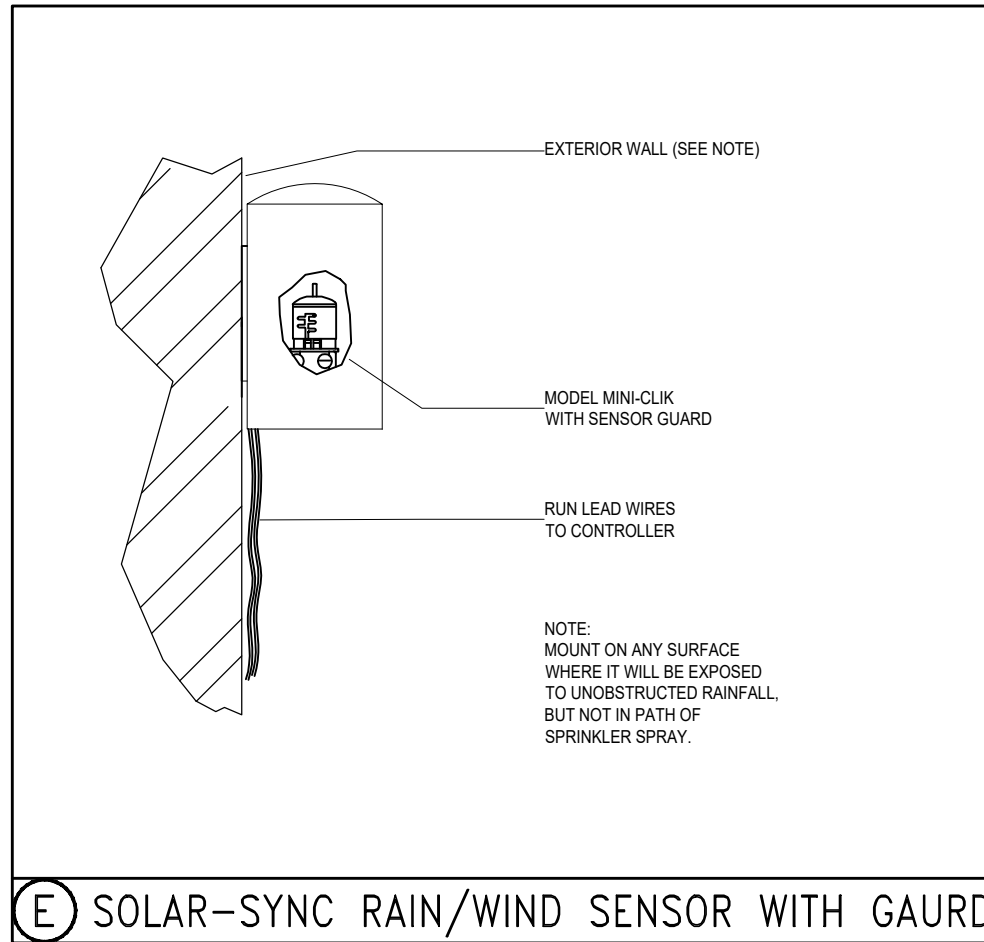
SYMBOL	DESCRIPTION	QUANTITIES
----	HUNTER INDUSTRIES 'PLD-06-18' DRIP TUBING	+/-15,565 LF
□	HUNTER IND. 'PCN-10' AND 'PCN-50' BUBBLER NOZZLES ON FLEX PIPE	268
◐	HUNTER 'ICV-FS-AS-40' SERIES ELECTRIC VALVE WITH ACCU-SET PRESSURE REGULATOR	8
◑	HUNTER 'ICZ-101-25' DRIP CONTROL VALVE KIT WITH PRESSURE REGULATION	3
⊙	HUNTER PCC-12 CONTROLLER	3
	INSTALL WITH A SOLAR-SYNC SENSOR AND BY-PASS BOX. GROUND WITH AN 8' COPPER CLAD ROD.	
⊕	HUNTER SOLAR-SYNC SENSOR	3
■	2" IRRIGATION RE-USE METER TO PROVIDE A MINIMUM 80 GPM AT 60 PSI	3
⌞	2" IRRIGATION BRASS GATE VALVE	3
—	LATERAL LINE - SCH 40 PVC - SIZE PER PLAN	SEE PLAN
----	2" MAINLINE - SCH 40 PVC SIZE PER PLAN	SEE PLAN
■	SLEEVING - SCH. 40 PVC MIN. DEPTH OF 24"	SEE PLAN

WATERING SCHEDULE

METER A WATER SCHEDULE					
ZONE #	WATER TYPE	WATERING TIME (MIN)	GAL. PER MINUTE	GAL. PER WATERING	PRECIP. IN INCHES
1	BUBBLER	15	16.5	247.5	0.43
2	DRIP*	60	36.17	2170.2	0.43
TOTAL		75	52.67	2417.7	
WATERING SCHEDULE		4835.4 GAL / WEEK - SUMMER (MAR 15-OCT 14 (2 TIMES /WEEK))			
USAGE		2417.7 GAL / WEEK - WINTER (OCT 15-MAR 14 (1 TIME/WEEK))			
CALCULATIONS		188580.6 GAL / YEAR (78 WATERINGS PER YEAR)			
		132006.42 GAL / YEAR W/ 30% REDUCTION FOR SOLAR-SYN			
*CONTRACTOR TO SET MULTIPLE DRIP ZONES TO RUN SIMULTANEOUSLY.					
**ZONE RUN TIMES SHOWN ARE FOR AFTER PLANT ESTABLISHMENT PERIOD (90 DAYS).					

METER B WATER SCHEDULE					
ZONE #	WATER TYPE	WATERING TIME (MIN)	GAL. PER MINUTE	GAL. PER WATERING	PRECIP. IN INCHES
1	BUBBLER	15	13	195	0.43
2	DRIP*	60	37.07	2224.2	0.43
TOTAL		75	50.07	2419.2	
WATERING SCHEDULE		4838.4 GAL / WEEK - SUMMER (MAR 15-OCT 14 (2 TIMES /WEEK))			
USAGE		2419.2 GAL / WEEK - WINTER (OCT 15-MAR 14 (1 TIME/WEEK))			
CALCULATIONS		188697.6 GAL / YEAR (78 WATERINGS PER YEAR)			
		13208.32 GAL / YEAR W/ 30% REDUCTION FOR SOLAR-SYN			
*CONTRACTOR TO SET MULTIPLE DRIP ZONES TO RUN SIMULTANEOUSLY.					
**ZONE RUN TIMES SHOWN ARE FOR AFTER PLANT ESTABLISHMENT PERIOD (90 DAYS).					

METER A WATER SCHEDULE					
ZONE #	WATER TYPE	WATERING TIME (MIN)	GAL. PER MINUTE	GAL. PER WATERING	PRECIP. IN INCHES
1	BUBBLER	15	54	810	0.43
2	BUBBLER	15	42.5	637.5	0.43
3	DRIP*	60	24.85	1491	0.43
4	BUBBLER	15	51	765	0.43
5	BUBBLER	15	34	510	0.43
6	BUBBLER	15	48	720	0.43
7	BUBBLER	15	57	855	0.43
TOTAL		150	311.35	5788.5	
WATERING SCHEDULE USAGE CALCULATIONS		11577 GAL / WEEK - SUMMER (MAR 15-OCT 14 (2 TIMES /WEEK))			
		5788.5 GAL / WEEK - WINTER (OCT 15-MAR 14 (1 TIME/WEEK))			
		451503 GAL / YEAR (78 WATERINGS PER YEAR)			
		316052.1 GAL / YEAR W/ 30% REDUCTION FOR SOLAR-SYN			
*CONTRACTOR TO SET MULTIPLE DRIP ZONES TO RUN SIMULTANEOUSLY.					
**ZONE RUN TIMES SHOWN ARE FOR AFTER PLANT ESTABLISHMENT PERIOD (90 DAYS).					



MID-FLORIDA LOGISTICS - PHASE-II

BORRELLI + PARTNERS
ARCHITECTURE PLANNING LANDSCAPE INTERIOR

770 VASSAR STREET
ORLANDO, FL 32803-4071
TEL: 407.394.1998

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CHRISTOPHER D. RICE

SIGNATURE AND DATED SEAL

DATE: 10/24/2023

CONSULTANTS

IRRIATION DETAILS

DRAWING TITLE

PROJECT ADDRESS

OWNER NAME AND ADDRESS

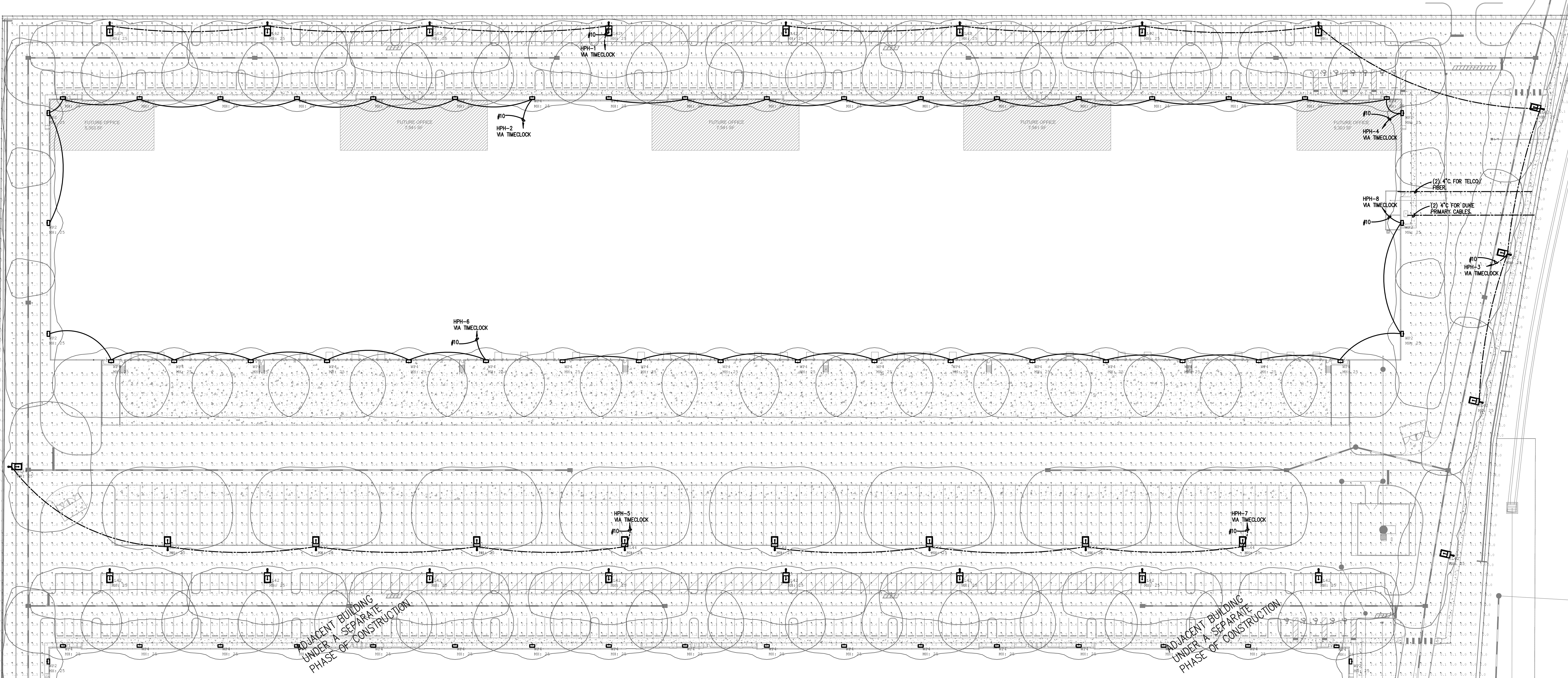
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1.	CIVIL BASE UPDATE	02/16/24

PROJECT NO.	ANC-7
PHASE	CONSTRUCTION DOCUMENTS
SCALE	NTS
FILE NAME	21-165
DRAWN BY	LS
CHECKED BY	CDR
DATE	10/24/2023

I-500

Luminaire Schedule									
Symbol	Qty	Label	Arrangement	MANUFACTURER	Description	Sim. Watts	Life	Wire Rating	Inv. Dollars
	12	W2	SINGLE	COOPER LIGHTING SOLUTIONS - MODRAM-EDISO	CMC-SAC-740-0-SL2	113	0,912	92-00-05	14461
	68	W4	SINGLE	COOPER LIGHTING SOLUTIONS - MODRAM-EDISO	CMC-SAC-740-0-SL4	113	0,912	92-00-04	14025
	19	SL44	SINGLE	COOPER LIGHTING SOLUTIONS - MODRAM-EDISO	CALN-SAC-740-0-SL4-HSS	213	0,912	92-00-04	22877
	20	SL42	SINGLE	COOPER LIGHTING SOLUTIONS - MODRAM-EDISO	CALN-SAC-740-0-SL2-HSS	213	0,912	92-00-04	22762

Calculation Summary									
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min		
Boundary	Illuminance	Fc	0.00	0.9	0.0	N.A.	N.A.		
Overall Calc	Illuminance	Fc	0.69	7.9	0.0	N.A.	N.A.		
Blgd 100 Auto Parking	Illuminance	Fc	3.31	7.9	1.1	3.01	7.18		
Blgd 100 Truck Court	Illuminance	Fc	1.72	3.5	0.5	3.44	7.00		
Blgd 200 Auto Parking	Illuminance	Fc	3.22	6.5	1.1	2.93	5.91		
Blgd 200 Truck Court	Illuminance	Fc	1.91	3.7	0.8	2.39	4.63		



Construction Site Plans
for
CROSSROADS AT KELLY PARK - EFFIE DRIVE
OFFSITE WATERMAIN
CITY OF APOPKA , FL

Parcel Id. No.:
11-20-27-0000-00-036 &
Effie Road Right Of Way

Sheet Index		Subm./Rev.
Sheet Id.	Sheet Title	- 1 2 3 4 5 6 7
C0.00	Cover Sheet	■
C0.01 - C0.02	Construction Notes	■
C0.03	Existing Conditions Plan	■
C1.00	Master Utility Plan	■
C1.10 - C1.14	Erosion Control Plan	■
C1.15	Erosion Control Details	■
C6.00 - C6.10	Plan & Profile	■
C9.00 - C9.01	City Of Apopka Details	■
Reference Drawings		
1	Topographic Survey	■
Date Description		
- 02-29-2024	Submit to City Of Apopka/OC	

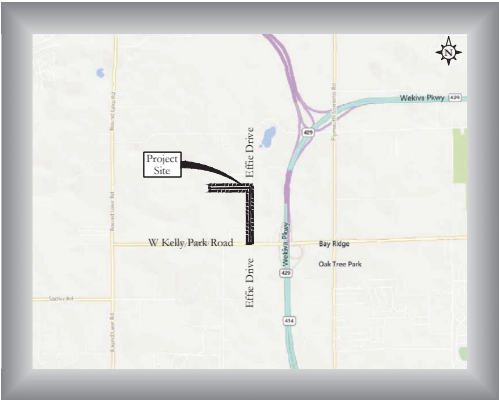
Developer/Applicant:
Galvin Land Services, LLC
121 Snell Isle Boulevard NE
St. Petersburg, FL. 33704

Utility Providers

Electric: Duke Energy 452 E. Crown Point Rd. Winter Garden FL 34787 407.629.1010	Telephone: AT&T 1227 S. Division Ave Orlando, FL 34805 407.351.7100	Water, Sewer and Reuse: City of Apopka 748 E. Cleveland St Apopka, FL 3270 407.703.1731
CATV: Spectrum Network 100 Gordon St. Sanford, FL 32777 321.805.3061	Gas: Lake Apopka Natural Gas 38 N. Park Avenue Apopka, FL 32703 407.636.2734	Solid Waste, Fire and Police Protection: City of Apopka 748 E. Cleveland St Apopka, FL 3270 407.703.1731

Consultants

Civil Engineer: Poulos & Bennett, LLC 2602 E. Livingston Street Orlando, FL 32803 407.487.2594	Surveyor: PEC Surveying and Mapping, LLC 2100 Alafaya Trail Orlando, FL 32765 407.542.4967	Environmental: Bio-Tech Consulting Inc. 3035 East South Street Orlando, FL 32803 407.894.5369
Geotechnical Engineer: Universal Engineering Sciences 3532 Maggie Boulevard Orlando, FL 32811 407.423.0504	Landscape Architect: Bonnett Design Group, LLC 400 S Orlando Ave Suite 201 Maitland, FL 32751 407.622.1588	Transportation: TMC Traffic & Mobility Consultants 3101 Maguire Boulevard, Suite 265 Orlando, FL 32803 407.531.5332



Vicinity Map
Scale: 1" = 3,000'

If you require further clarification of what this document represents, please contact the SEA Coordinator of City of Apopka at 407.703.1700.

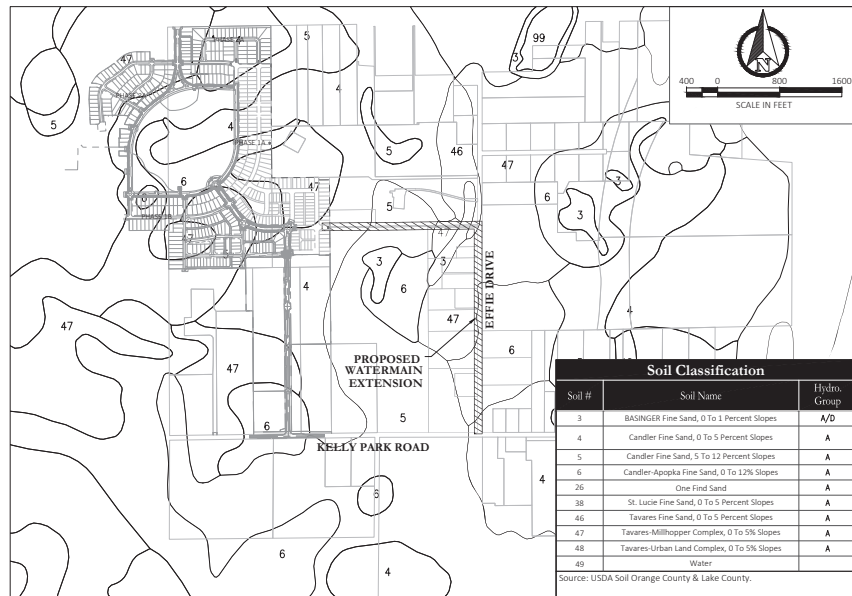
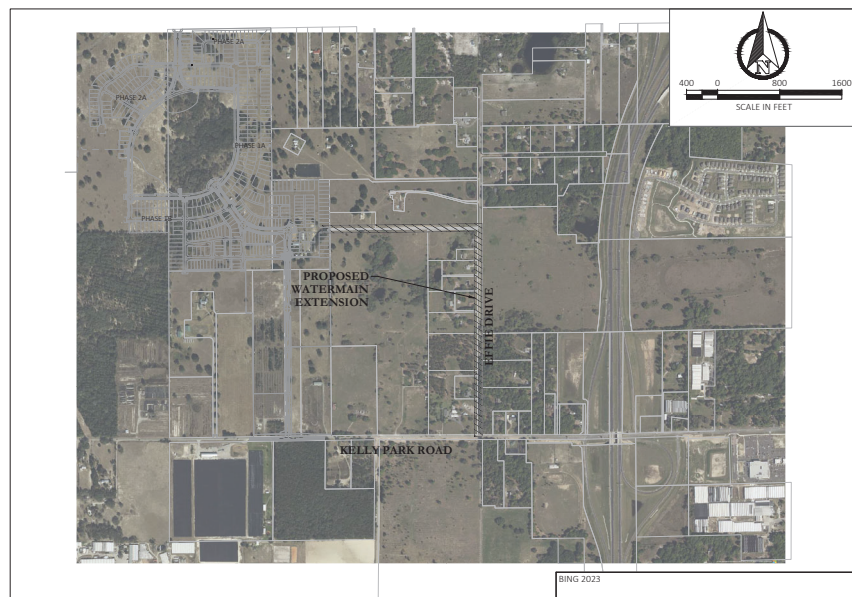
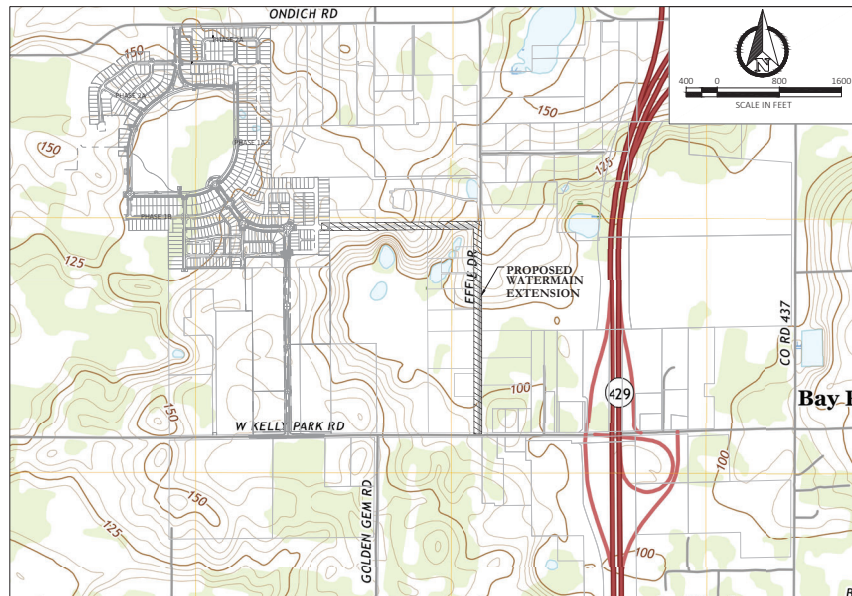
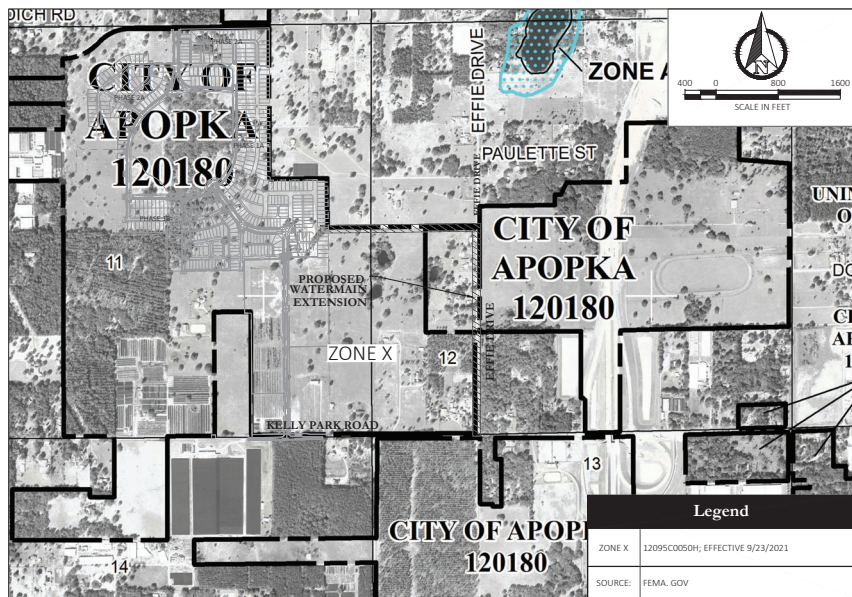


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2602 E. Livingston St., Orlando, FL 32803
Tel. 407.487.2594 www.poulosandbennett.com
Eng. Bus. No. 28567
P&B Job No.: 21-027B

Page 148 of 266



Key Map:



02/20/2024 SUBMIT TO CITY OF APOPKA, FL

NO. DATE DESCRIPTION

SUBMISSIONS REVISIONS

VERTICAL DATUM NAVD 88

JOB NO. 21-027B

DESIGNED BY: TV

DRAWN BY: TV, PV

CHECKED BY: TV

APPROVED BY: MDS

SCALE IN FEET 1" = 800'

Project Name:

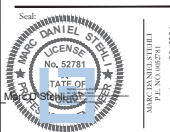
**CROSSROADS
AT KELLY
PARK -
EFFIE DRIVE
OFFSITE
WATERMAIN**

Jurisdiction:
CITY OF APOPKA, FL

Sheet Title:
**EXISTING
CONDITIONS
PLAN**

Sheet No.:

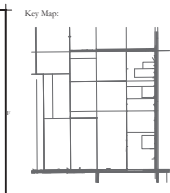
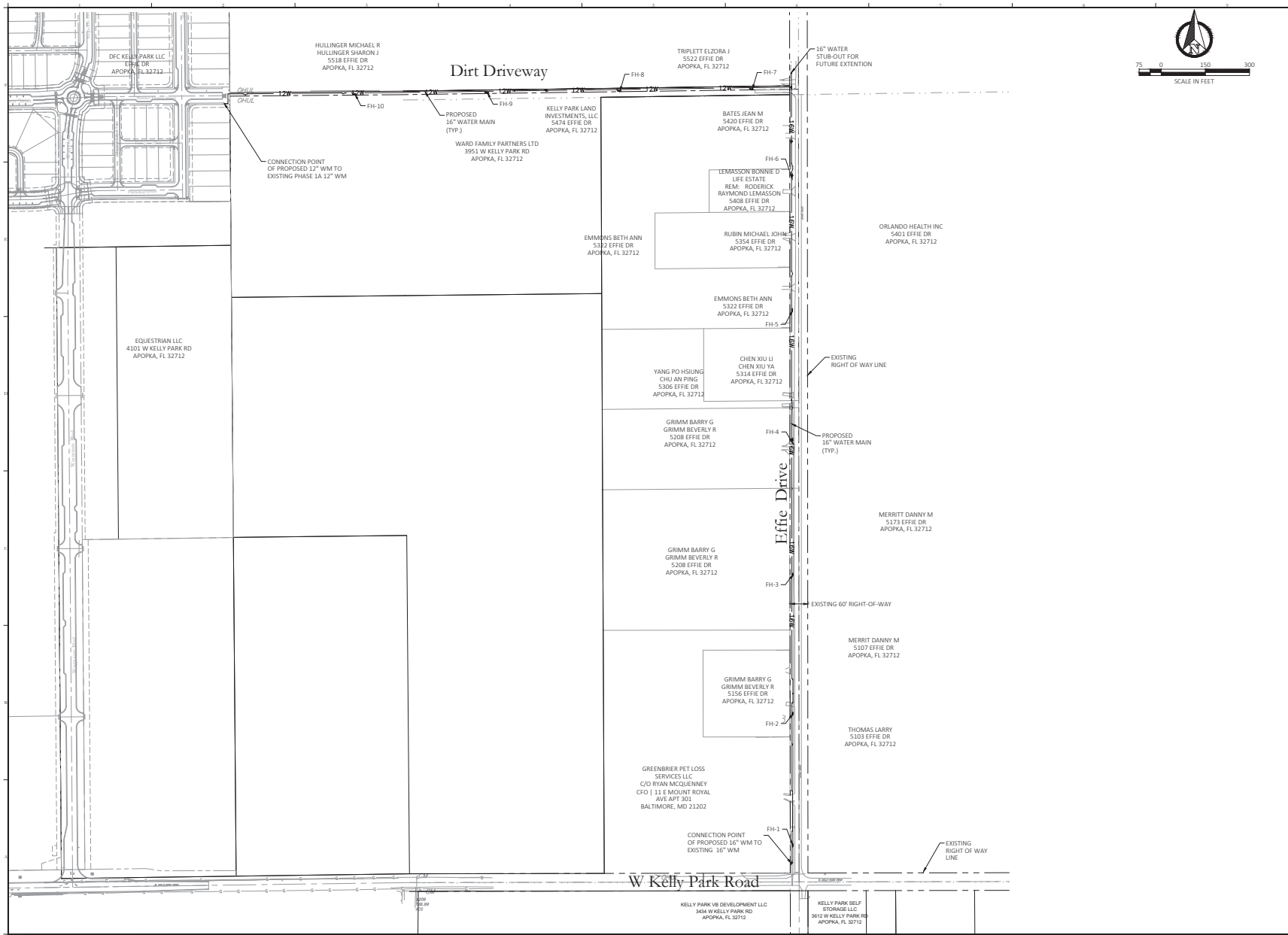
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Tel. 407.467.2504 www.poulosandbennett.com
Eng. Bus. No. 28567



REVISIONS	
NO.	DATE DESCRIPTION
1	2/1/2013 SUBMITTAL
2	2/1/2013 SUBMITTAL
3	2/1/2013 SUBMITTAL
4	2/1/2013 SUBMITTAL
5	2/1/2013 SUBMITTAL
6	2/1/2013 SUBMITTAL
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10	2/1/2013 SUBMITTAL

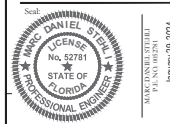
Project Name:
**CROSSROADS
 AT KELLY
 PARK -
 EFFIE DRIVE
 OFFSITE
 WATERMAIN**

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Jurisdiction:
CITY OF APOPKA, FL.

Sheet Title:
**MASTER UTILITY
 PLAN**

Sheet No.:
C1.00

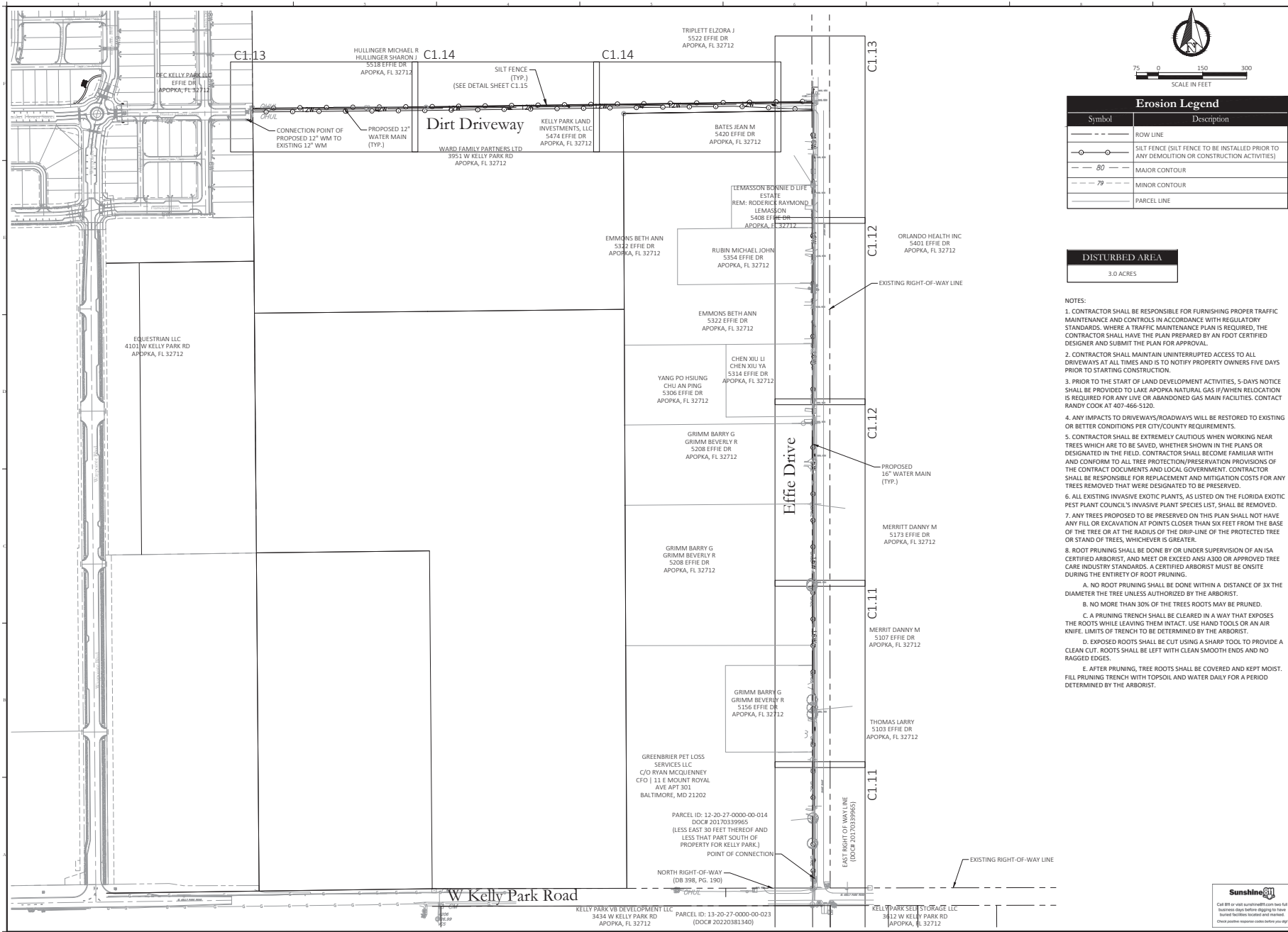


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 Eng. Bus. No. 28567

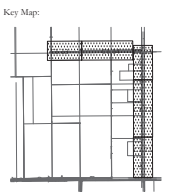
2/20/21 1:47 DAWN - KELLY PARK PHASES 11-12/18/20/21/22/23 - EFFIE RD RM - EDPG



Erosion Legend	
Symbol	Description
---	ROW LINE
○	SILT FENCE (SILT FENCE TO BE INSTALLED PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITIES)
---	MAJOR CONTOUR
---	MINOR CONTOUR
---	PARCEL LINE

DISTURBED AREA
3.0 ACRES

- NOTES:
- CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING PROPER TRAFFIC MAINTENANCE AND CONTROLS IN ACCORDANCE WITH REGULATORY STANDARDS. WHERE A TRAFFIC MAINTENANCE PLAN IS REQUIRED, THE CONTRACTOR SHALL HAVE THE PLAN PREPARED BY AN FOOT CERTIFIED DESIGNER AND SUBMIT THE PLAN FOR APPROVAL.
 - CONTRACTOR SHALL MAINTAIN UNINTERRUPTED ACCESS TO ALL DRIVEWAYS AT ALL TIMES AND IS TO NOTIFY PROPERTY OWNERS FIVE DAYS PRIOR TO STARTING CONSTRUCTION.
 - PRIOR TO THE START OF LAND DEVELOPMENT ACTIVITIES, 5-DAYS NOTICE SHALL BE PROVIDED TO LAKE APOPKA NATURAL GAS IF/WHEN RELOCATION IS REQUIRED FOR ANY LIVE OR ABANDONED GAS MAIN FACILITIES. CONTACT RANDY COOK AT 407-466-5120.
 - ANY IMPACTS TO DRIVEWAYS/ROADWAYS WILL BE RESTORED TO EXISTING OR BETTER CONDITIONS PER CITY/COUNTY REQUIREMENTS.
 - CONTRACTOR SHALL BE EXTREMELY CAUTIOUS WHEN WORKING NEAR TREES WHICH ARE TO BE SAVED. WHETHER SHOWN IN THE PLANS OR DESIGNATED IN THE FIELD. CONTRACTOR SHALL BECOME FAMILIAR WITH AND CONFORM TO ALL TREE PROTECTION/PRESERVATION PROVISIONS OF THE CONTRACT DOCUMENTS AND LOCAL GOVERNMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT AND MITIGATION COSTS FOR ANY TREES REMOVED THAT WERE DESIGNATED TO BE PRESERVED.
 - ALL EXISTING INVASIVE EXOTIC PLANTS, AS LISTED ON THE FLORIDA EXOTIC PEST PLANT COUNCIL'S INVASIVE PLANT SPECIES LIST, SHALL BE REMOVED.
 - ANY TREES PROPOSED TO BE PRESERVED ON THIS PLAN SHALL NOT HAVE ANY FILL OR EXCAVATION AT POINTS CLOSER THAN SIX FEET FROM THE BASE OF THE TREE OR AT THE RADIUS OF THE DRIP-LINE OF THE PROTECTED TREE OR STAND OF TREES, WHICHEVER IS GREATER.
 - ROOT PRUNING SHALL BE DONE BY OR UNDER SUPERVISION OF AN ISA CERTIFIED ARBORIST, AND MEET OR EXCEED ANSI A300 OR APPROVED TREE CARE INDUSTRY STANDARDS. A CERTIFIED ARBORIST MUST BE ONSITE DURING THE ENTIRETY OF ROOT PRUNING.
 - NO ROOT PRUNING SHALL BE DONE WITHIN A DISTANCE OF 3X THE DIAMETER OF THE TREE UNLESS AUTHORIZED BY THE ARBORIST.
 - NO MORE THAN 30% OF THE TREES ROOTS MAY BE PRUNED.
 - A PRUNING TRENCH SHALL BE CLEARED IN A WAY THAT EXPOSES THE ROOTS WHILE LEAVING THEM INTACT. USE HAND TOOLS OR AN AIR KNIFE. LIMITS OF TRENCH TO BE DETERMINED BY THE ARBORIST.
 - EXPOSED ROOTS SHALL BE CUT USING A SHARP TOOL TO PROVIDE A CLEAN CUT. ROOTS SHALL BE LEFT WITH CLEAN SMOOTH ENDS AND NO RAGGED EDGES.
 - AFTER PRUNING, TREE ROOTS SHALL BE COVERED AND KEPT MOIST. FILL PRUNING TRENCH WITH TOPSOIL AND WATER DAILY FOR A PERIOD DETERMINED BY THE ARBORIST.



02/20/24 SUBMIT TO CITY OF APOPKA, FL
NO. DATE DESCRIPTION
SUBMISSIONS REVISIONS
VERTICAL DATUM NAVD 88
JOB NO. 21-027B
DESIGNED BY: TV
DRAWN BY: TV, PV
CHECKED BY: TV
APPROVED BY: MDS
SCALE IN FEET: 1" = 150'
Project Name:
**CROSSROADS
AT KELLY
PARK -
EFFIE DRIVE
OFFSITE
WATERMAIN**

Jurisdiction:
CITY OF APOPKA, FL
Sheet Title:
**EROSION CONTROL
PLAN**

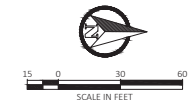
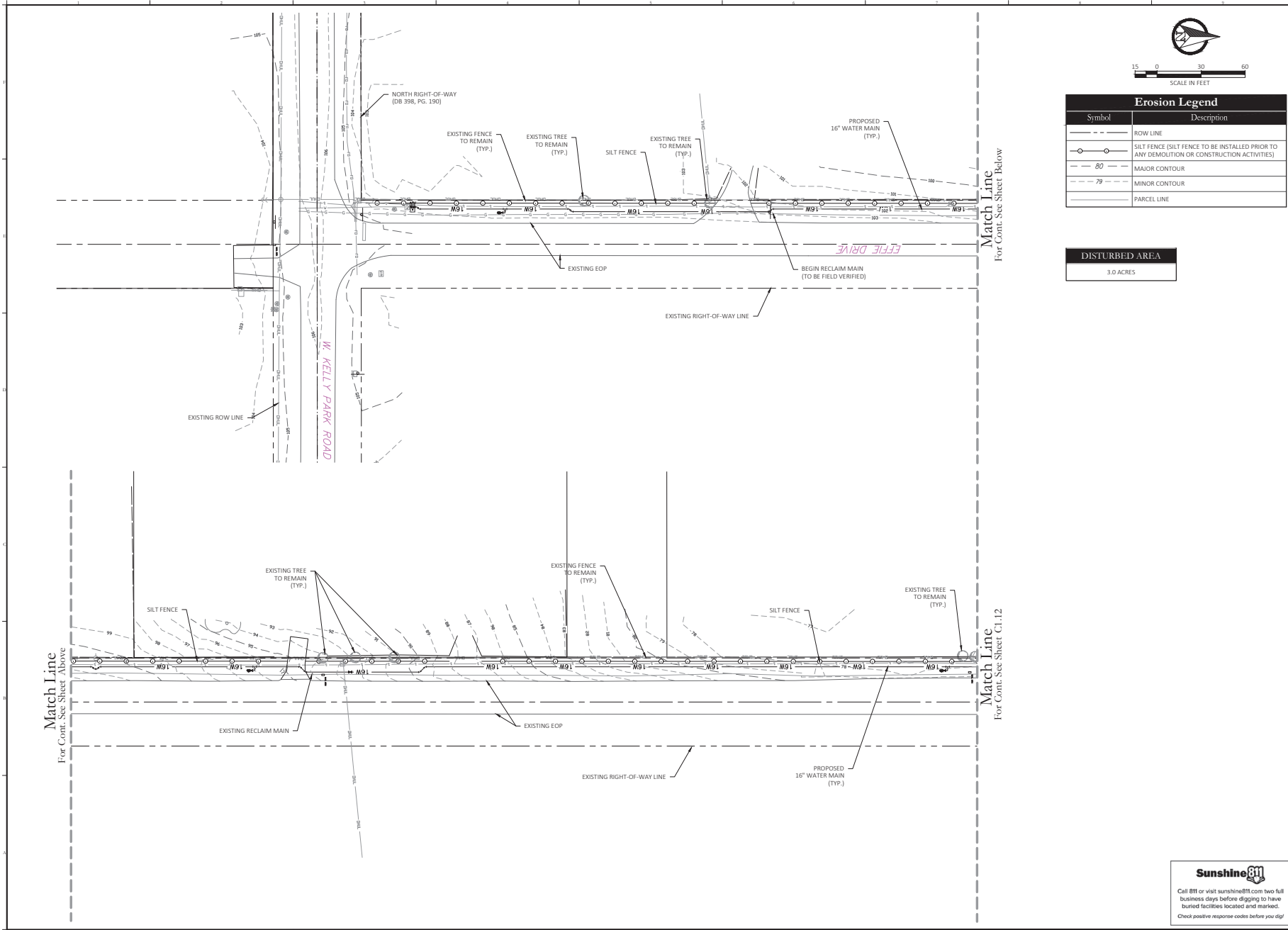
Sheet No.:
C1.10
Scale:
DANIEL STELLER
FLORIDA PROFESSIONAL ENGINEER
No. 52781
STATE OF FLORIDA
DATE: January 25, 2024

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Tel: 407.467.2504 www.poulosandbennett.com
Eng. Bus. No. 26567

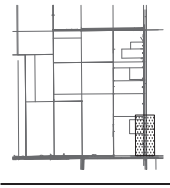
2/20/21 1:17 DAWN - KELLY PARK PHASES 11-12/19/20/21/22/23 - EFFE RD RM - EDP



Erosion Legend	
Symbol	Description
---	ROW LINE
○	SILT FENCE (SILT FENCE TO BE INSTALLED PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITIES)
---	MAJOR CONTOUR
---	MINOR CONTOUR
---	PARCEL LINE

DISTURBED AREA
3.0 ACRES

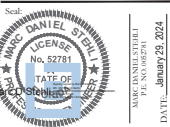
Key Map:



02/20/2024 SUBMIT TO CITY OF APOPKA, FL
NO. DATE DESCRIPTION
VERTICAL DATUM NAVD 88
JOB NO. 21-027B
DESIGNED BY: TV
DRAWN BY: TV, PV
CHECKED BY: TV
APPROVED BY: MDS
SCALE IN FEET: 1" = 30'
Project Name:
**CROSSROADS
AT KELLY
PARK -
EFFIE DRIVE
OFFSITE
WATERMAIN**

Jurisdiction:
CITY OF APOPKA, FL
Sheet Title:
**EROSION CONTROL
PLAN**

Sheet No:
C1.11



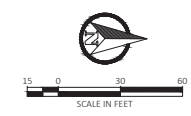
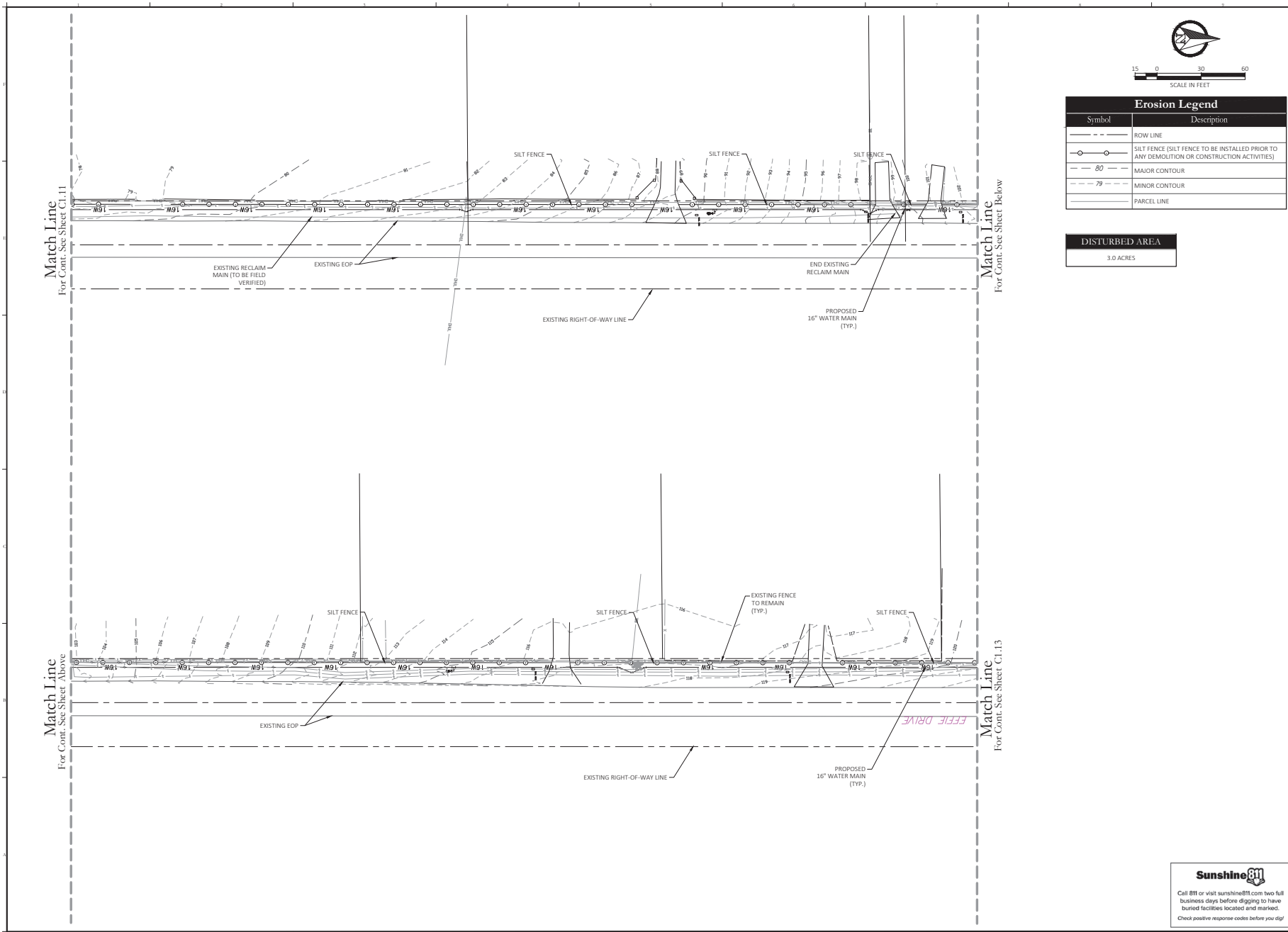
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Sunshine811
Call 811 or visit sunshine811.com two full business days before digging to have buried facilities located and marked.
Check positive response codes before you dig!

POULOS & BENNETT

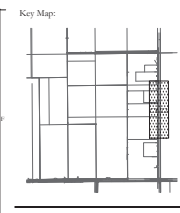
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2602 E. Livingston St., Orlando, FL 32803
Tel. 407.467.2504 www.poulosandbennett.com
Eng. Bus. No. 28567

2/20/2021 1:47:27 DAWN - KELLY PARK PHASE 15/1 - 0278/04/UTEX/1 - 0278 - ETE RD RM - EDPG



Erosion Legend	
Symbol	Description
---	ROW LINE
○	SILT FENCE (SILT FENCE TO BE INSTALLED PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITIES)
---	MAJOR CONTOUR
---	MINOR CONTOUR
---	PARCEL LINE

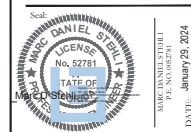
DISTURBED AREA
3.0 ACRES



02/20/2021 SUBMIT TO CITY OF APOPKA, FL
NO. DATE DESCRIPTION
SUBMISSIONS REVISIONS
VERTICAL DATUM NAVD 88
JOB NO. 21-0278
DESIGNED BY: TV
DRAWN BY: TV, PV
CHECKED BY: TV
APPROVED BY: MDS
SCALE IN FEET: 1" = 30'
Project Name:
**CROSSROADS
AT KELLY
PARK -
EFFIE DRIVE
OFFSITE
WATERMAIN**

Jurisdiction:
CITY OF APOPKA, FL
Sheet Title:
**EROSION CONTROL
PLAN**

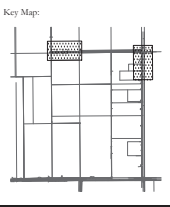
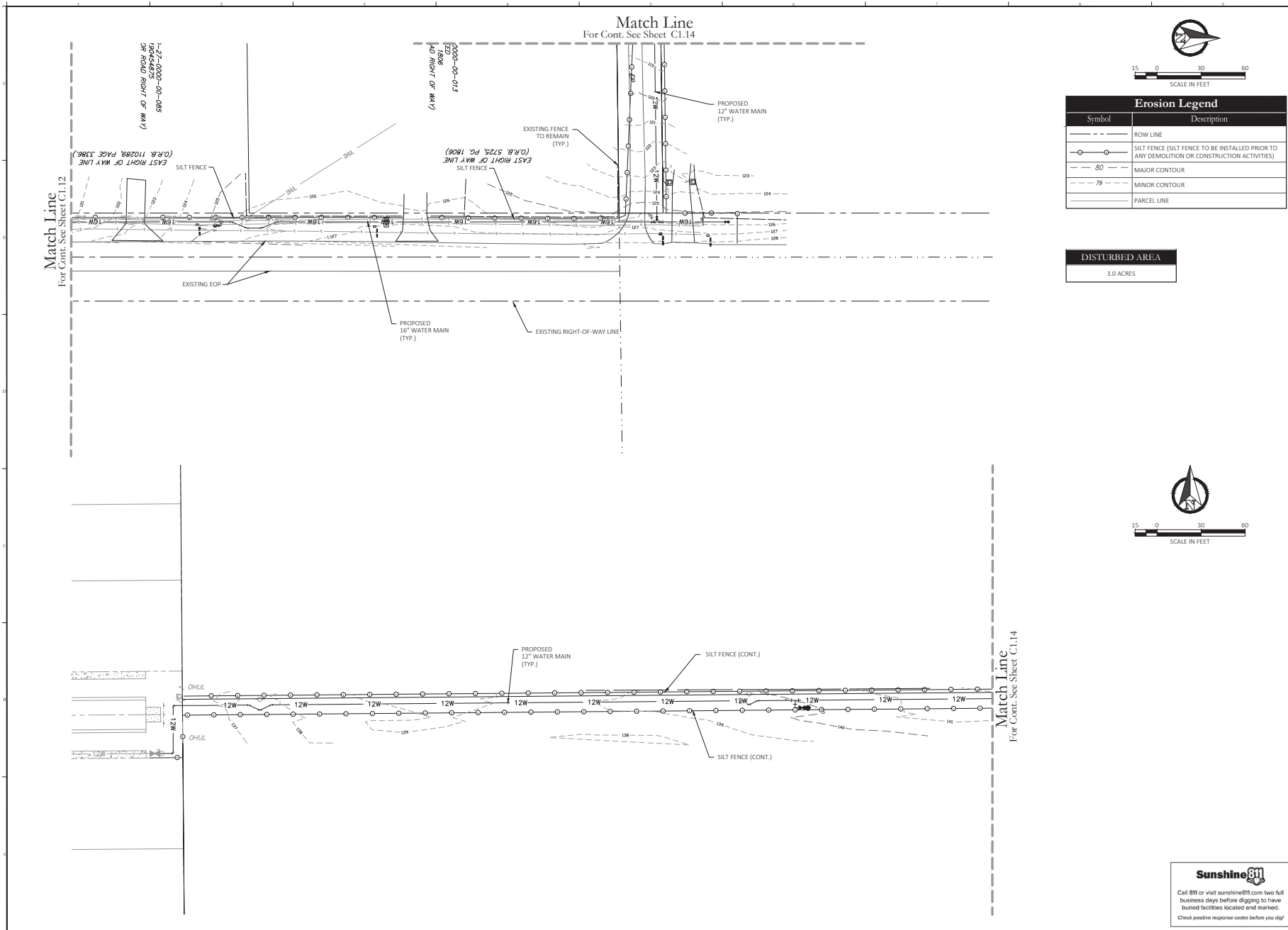
Sheet No:
C1.12



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2/20/21 11:47 DAWN - KELLY PARK PHASES 11-12/18/20/21/22/23 - SITE RD RM - ESDP



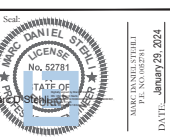
02/20/2024 SUBMIT TO CITY OF APOPKA, FL
NO. DATE DESCRIPTION
SUBMISSIONS REVISIONS
VERTICAL DATUM NAVD 88
JOB NO. 21-027B
DESIGNED BY: TV
DRAWN BY: TV, PV
CHECKED BY: TV
APPROVED BY: MDS
SCALE IN FEET: 1" = 30'

Project Name:
**CROSSROADS
AT KELLY
PARK -
EFFIE DRIVE
OFFSITE
WATERMAIN**

Jurisdiction:
CITY OF APOPKA, FL

Sheet Title:
**EROSION CONTROL
PLAN**

Sheet No.:
C1.13



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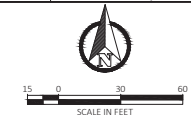
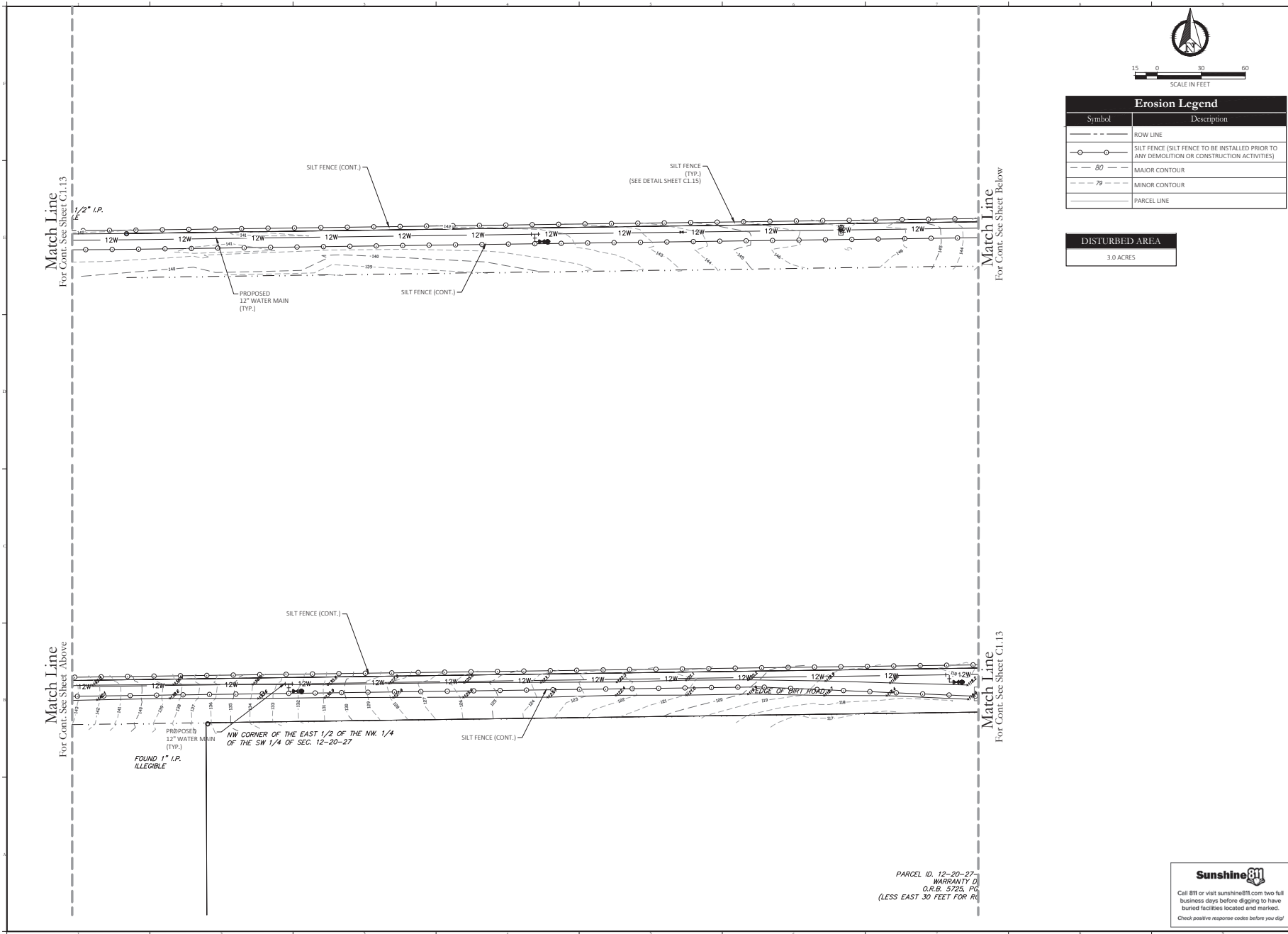


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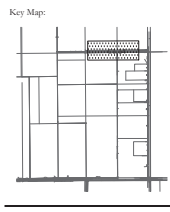
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Eng. Bus. No. 28567

2/20/2021 1:47 DAWN - KELLY PARK PHASE 1/1 - 0278/04/UTREX-1-0278 - SITE RD RM - ESDP



Erosion Legend	
Symbol	Description
---	ROW LINE
○	SILT FENCE (SILT FENCE TO BE INSTALLED PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITIES)
--- 80 ---	MAJOR CONTOUR
--- 79 ---	MINOR CONTOUR
---	PARCEL LINE

DISTURBED AREA
3.0 ACRES

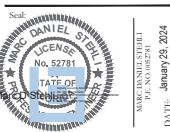


02/20/2021	SUBMIT TO CITY OF APOPKA, FL
NO.	DESCRIPTION
DATE	SUBMISSIONS/REVISIONS
VERTICAL DATUM	NAVD 88
JOB NO.	21-0278
DESIGNED BY:	TV
DRAWN BY:	TV, PV
CHECKED BY:	TV
APPROVED BY:	MDS
SCALE IN FEET:	1" = 30'
Project Name:	
CROSSROADS	
AT KELLY	
PARK -	
EFFIE DRIVE	
OFFSITE	
WATERMAIN	

Jurisdiction:
CITY OF APOPKA, FL

Sheet Title:
EROSION CONTROL PLAN

Sheet No:
C1.14

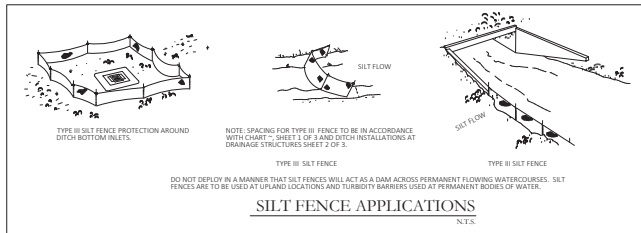
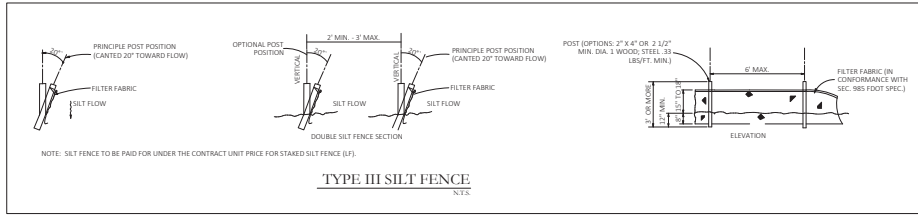


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Z:\2021\21-1427 DAWN - KELLY PARK PHASES 1-1-2019\DWG\UTEX-1-1-2019 - ETE RD RM - ESDP



EROSION CONTROL NOTES

1. DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO ENSURE AGAINST POLLUTING, SIFTING OR DISTURBING TO SUCH AN EXTENT AS TO CAUSE AN INCREASE IN TURBIDITY TO THE EXISTING SURFACE WATER, INCLUDING WETLANDS. SUCH MEASURES SHALL BE APPROVED BY THE PROJECT ENGINEER AND MAY INCLUDE, BUT NOT LIMITED TO, CONSTRUCTION OF TEMPORARY EROSION CONTROL STRUCTURES, SUCH AS SEDIMENT BASINS, SEDIMENT CHECKS, OR SILT BARRIERS.
2. IF DURING CONSTRUCTION, THE PROPOSED EROSION CONTROL SYSTEM DOES NOT PERFORM SATISFACTORILY, ALTERNATIVES AND ADDITIONAL METHODS OF PROTECTION SHALL BE IMPLEMENTED BY THE CONTRACTOR IN ORDER TO COMPLY WITH WIND AND CITY EROSION PROTECTION STANDARDS. CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL EROSION CONTROL COSTS INCLUDING ANY COSTS ASSOCIATED WITH COMPLIANCE ISSUES AND ENFORCEMENT ACTIONS.
3. ALL PERMANENT EROSION CONTROL MEASURES SHALL BE COMPLETED WITHIN 7 DAYS OF FINAL GRADING. ALL TEMPORARY EROSION CONTROL SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE COMPLETED AND ESTABLISHED.
4. AT A MINIMUM, SILT BARRIERS SHALL BE PLACED AS SHOWN ON THE CONSTRUCTION PLANS TO ENSURE AGAINST POLLUTING, SIFTING OR DISTURBING TO SUCH AN EXTENT AS TO CAUSE AN INCREASE IN TURBIDITY OR DISCHARGE OF MATERIAL OFFSITE OR TO EXISTING WETLANDS. IF DURING CONSTRUCTION, THE PROPOSED EROSION CONTROL SYSTEM DOES NOT PERFORM SATISFACTORILY, ALTERNATIVES AND ADDITIONAL MEASURES SHALL BE IMPLEMENTED BY THE CONTRACTOR IN ORDER TO COMPLY WITH FOOT AND WIND EROSION PROTECTION STANDARDS.
5. CONTRACTOR IS RESPONSIBLE FOR PREPARING, OBTAINING THE STORMWATER NOI, AND ADHERING TO THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH THE FLORIDA STORMWATER, EROSION, AND SEDIMENTATION CONTROL INSPECTORS MANUAL, PUBLISHED BY FDEP.
6. CONTRACTOR SHALL STAKE IN ALL SOI UNTIL SUCH TIME THAT GROUND IS STABILIZED IN ORDER TO PREVENT EROSION.
7. WORK SHALL BE DONE IN ACCORDANCE WITH EPA, FDEP, WIND AND FOOT BEST MANAGEMENT PRACTICES AND EROSION CONTROL SPECIFICATIONS.
8. THE CONTRACTOR MUST PERFORM ALL WORK IN ACCORDANCE WITH THE STORMWATER POLLUTION PLAN FOR THE PROJECT.
9. CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL EROSION PROTECTION COSTS, INCLUDING ANY COST ASSOCIATED WITH COMPLIANCE ISSUES AND ENFORCEMENT ACTIONS.
10. NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE TO ANY ADJACENT WATERBODY OR STORMWATER COLLECTION FACILITY.
11. THE CONTRACTOR SHALL EMPLOY DUST CONTROL MEASURES ACCORDING TO BEST MANAGEMENT PRACTICES, FOOT SPECIFICATIONS, AND FDEP REGULATIONS.
12. THE CONTRACTOR SHALL ENSURE ALL SOIS EXPOSED DURING SITE ALTERATION SHALL BE STABILIZED AND ENSURE RUNOFF AND SILTATION SHALL BE DIRECTED TO TEMPORARY SEDIMENT BASIN AND/OR SEDIMENT TRAPS IN SUCH A MANNER AS TO PREVENT OFF SITE IMPACTS.

NOTES/DETAIL

IF NEEDED, CONTRACTOR SHALL PREPARE AND SUBMIT TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION THE "NOTICE OF INTENT" AND "NOTICE OF TERMINATION" FOR "STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES", PER FLORIDA ADMINISTRATIVE CODE 62-621.300(4) IN ACCORDANCE WITH FDEP REQUIREMENTS. THE CONTRACTOR SHALL PREPARE AND SUBMIT WITH THE APPLICATION, AN APPROVED "STORMWATER POLLUTION PREVENTION PLAN" AND PERFORMANCE. ALL INSPECTION AND RETAIN ALL INSPECTION REPORTS AND DOCUMENTATION ON FILE AS REQUIRED FOR FDEP REVIEW. ALL FEES SHALL BE PAID BY THE CONTRACTOR, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY PENALTIES OR FINES FDEP MAY LEVY FOR FAILURE TO COMPLY WITH THE PERMITTING REQUIREMENTS.

DUST ABATEMENT NOTE

CONTRACTOR SHALL PROVIDE DUST CONTROL USING WATER TRUCKS AS NEEDED TO CONTROL DUST. THE WATERING TRUCK SHALL BE MAINTAINED ONSITE FOR IMMEDIATE DEPLOYMENT AT THE DISCRETION OF THE OPERATOR.

SEED AND MULCH SPECIFICATIONS

	PER ACRE
1. WINTER (SEPTEMBER THROUGH JANUARY)	
A. RYE GRASS	80 POUNDS
B. BAHIA GRASS (90% GREEN OR BETTER)	70 POUNDS
C. FERTILIZER 10-10-10	
C.1. STAGE 1 (AT PLANTING)	400 POUNDS
C.2. STAGE 2 (AT GERMINATION)	400 POUNDS
2. SPRING (FEBRUARY THROUGH MARCH)	
A. RYE GRASS	20 POUNDS
B. BROWN TOP MILLET	20 POUNDS
C. BAHIA GRASS (90% GREEN OR BETTER)	70 POUNDS
D. FERTILIZER 10-10-10	
D.1. STAGE 1 (AT PLANTING)	400 POUNDS
D.2. STAGE 2 (AT GERMINATION)	400 POUNDS
3. SUMMER (MARCH THROUGH AUGUST)	
A. BROWN TOP MILLET	35 POUNDS
B. BAHIA GRASS (90% GREEN OR BETTER)	70 POUNDS
C. FERTILIZER 10-10-10	
C.1. STAGE 1 (AT PLANTING)	400 POUNDS
C.2. STAGE 2 (AT GERMINATION)	400 POUNDS

Key Map:



02/20/2024 SUBMIT TO CITY OF APOPKA, FL

NO. DATE DESCRIPTION

SUBMITTALS/REVISES

VERTICAL DATUM NAVD 88

FOR NO. 21-027B

DESIGNED BY: TV

DRAWN BY: TV, PV

CHECKED BY: TV

APPROVED BY: MDS

SCALE IN FEET: N/A

Project Name:

**CROSSROADS
AT KELLY
PARK -
EFFIE DRIVE
OFFSITE
WATERMAIN**

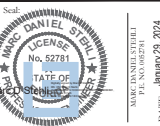
If you require further clarification of what this document represents, please contact the ADA Coordinator of City of Apopka at 407.705.1700.

Jurisdiction:
CITY OF APOPKA, FL

Sheet Title:
**EROSION CONTROL
DETAILS**

Sheet No.:

C1.15



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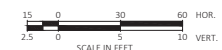
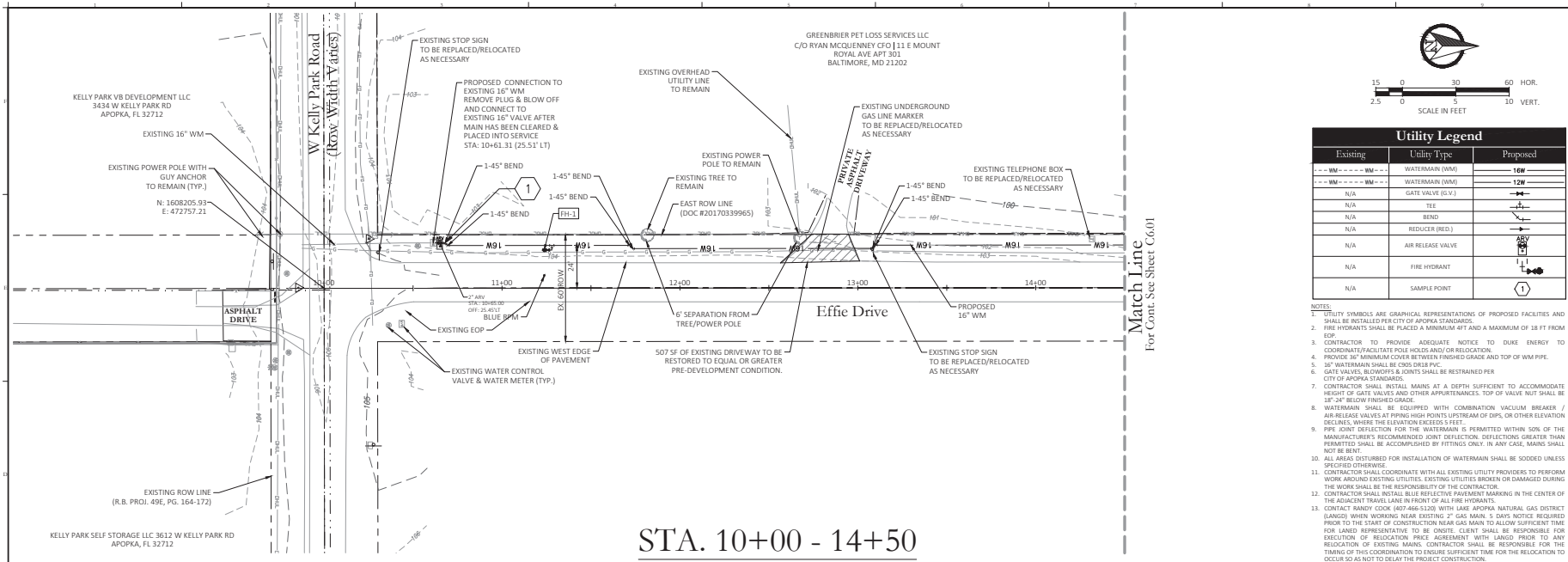
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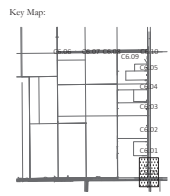
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Tel. 407.467.2504 www.poulosandbennett.com
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2/20/2021 1:11:47 PM - KELLY PARK PHASE 1 (1-2078) (A) (UT) (1-2078) - EFFIE RD WM - PP



Utility Legend		
Existing	Utility Type	Proposed
---	WATERMAIN (WM)	16"
---	WATERMAIN (WM)	12"
N/A	GATE VALVE (GV)	
N/A	TEE	
N/A	BEND	
N/A	REDUCER (RED.)	
N/A	AIR RELEASE VALVE	
N/A	FIRE HYDRANT	
N/A	SAMPLE POINT	1

- NOTES:
- UTILITY SYMBOLS ARE GRAPHICAL REPRESENTATIONS OF PROPOSED FACILITIES AND SHALL BE INSTALLED PER CITY OF APOPKA STANDARDS.
 - FIRE HYDRANTS SHALL BE PLACED A MINIMUM 4 FT AND A MAXIMUM OF 18 FT FROM EOP.
 - CONTRACTOR TO PROVIDE ADEQUATE NOTICE TO DUKE ENERGY TO COORDINATE/FACILITATE POLE HOLDS AND/OR RELOCATION.
 - PROVIDE 36" MINIMUM COVER BETWEEN FINISHED GRADE AND TOP OF WM PIPE.
 - 16" WATERMAIN SHALL BE CDS DR18 PVC.
 - GATE VALVES, BLOWOFFS & JOINTS SHALL BE RESTRAINED PER CITY OF APOPKA STANDARDS.
 - CONTRACTOR SHALL INSTALL MAINS AT A DEPTH SUFFICIENT TO ACCOMMODATE HEIGHT OF GATE VALVES AND OTHER APPURTENANCES. TOP OF VALVE NUT SHALL BE 36" 24" BELOW FINISHED GRADE.
 - WATERMAIN SHALL BE EQUIPPED WITH COMBINATION VACUUM BREAKER / AIR-RELEASE VALVES AT PRING HIGH POINTS UPSTREAM OF DIP, OR OTHER ELEVATION DECLINES, WHERE THE ELEVATION EXCEEDS 5 FEET.
 - PIPE JOINT DEFLECTION FOR THE WATERMAIN IS PERMITTED WITHIN 50% OF THE MANUFACTURER'S RECOMMENDED JOINT DEFLECTION. DEFLECTIONS GREATER THAN PERMITTED SHALL BE ACCOMPISHED BY FITTINGS ONLY. IN ANY CASE, MAINS SHALL NOT BE BENT.
 - ALL AREAS DISTURBED FOR INSTALLATION OF WATERMAIN SHALL BE SOCCED UNLESS SPECIFIED OTHERWISE.
 - CONTRACTOR SHALL COORDINATE WITH ALL EXISTING UTILITY PROVIDERS TO PERFORM WORK AROUND EXISTING UTILITIES. EXISTING UTILITIES BROKEN OR DAMAGED DURING THE WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - CONTRACTOR SHALL INSTALL BLUE REFLECTIVE PAVEMENT MARKING IN THE CENTER OF THE ADJACENT TRAIL LANE IN FRONT OF ALL FIRE HYDRANTS.
 - CONTACT RANDY CROOK (407-466-5120) WITH LAKE APOPKA NATURAL GAS DISTRICT (LAND) WHEN WORKING NEAR EXISTING 2" GAS MAIN. 5 DAYS NOTICE REQUIRED PRIOR TO THE START OF CONSTRUCTION NEAR GAS MAIN TO ALLOW SUFFICIENT TIME FOR LAND REPRESENTATIVE TO BE ON-SITE. CLIENT SHALL BE RESPONSIBLE FOR OBTAINING OF EXISTING MAINS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE TIMING OF THIS COORDINATION TO ENSURE SUFFICIENT TIME FOR THE RELOCATION TO OCCUR SO AS NOT TO DELAY THE PROJECT CONSTRUCTION.



02/20/2021 SUBMIT TO CITY OF APOPKA, FL

NO. DATE: 02/20/2021

SUBMISSIONS/REVISES

VERTICAL DATUM: NAVD 88

JOB NO.: 21-0278

DESIGNED BY: TV

DRAWN BY: TV, PV

CHECKED BY: TV

APPROVED BY: MDS

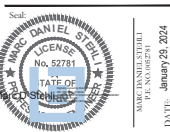
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Project Name: CROSSROADS AT KELLY PARK - EFFIE DRIVE OFFSITE WATERMAIN

Jurisdiction: CITY OF APOPKA, FL

Sheet Title: PLAN & PROFILE
EFFIE DRIVE
STA. 10+00 - 14+50

Sheet No: C6.00

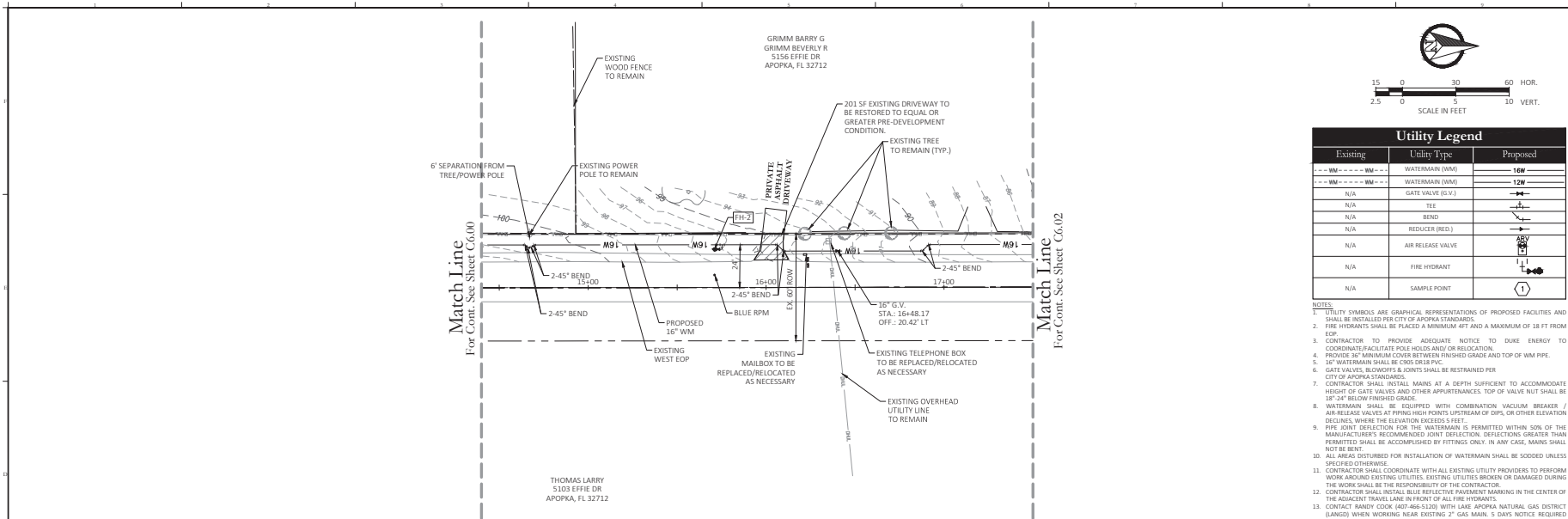


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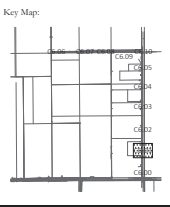
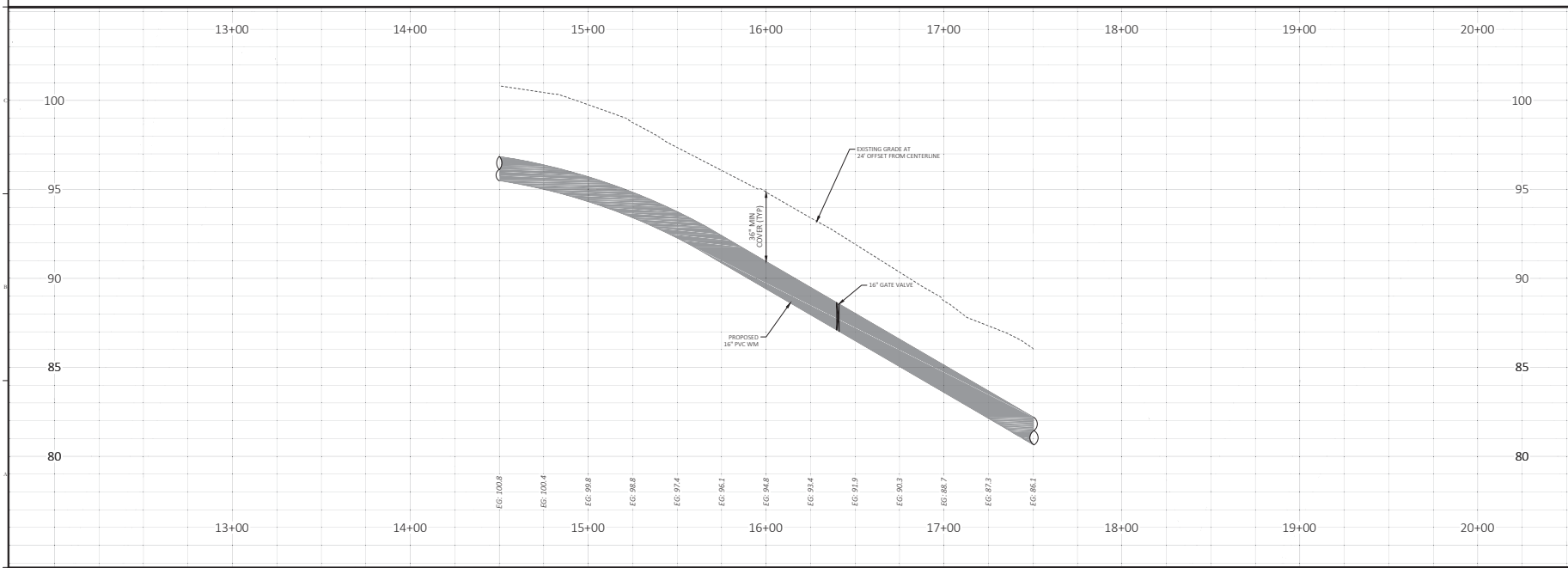


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Tel. 407.467.2504 www.poulosandbennett.com
Eng. Bus. No. 28567

Z:\2021\1-1-227 DAWN - KELLY PARK PHASES 1-1-227B\DWG\UTR\1-1-227B - UTR RD WM - PP



STA. 14+50 - 17+50



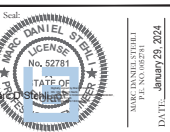
- 02/20/2024 SUBMIT TO CITY OF APOPKA, FL	
NO.	DATE DESCRIPTION
SUBMISSIONS/REVISIONS	
VERTICAL DATUM	NAVD 88
JOB NO.:	21-027B
DESIGNED BY:	TV
DRAWN BY:	TV, PV
CHECKED BY:	TV
APPROVED BY:	MDS
SCALE IN FEET:	1" = 30'

Project Name:
**CROSSROADS
AT KELLY
PARK -
EFFIE DRIVE
OFFSITE
WATERMAIN**

Jurisdiction:
CITY OF APOPKA, FL

Sheet Title:
**PLAN & PROFILE
EFFIE DRIVE
STA. 14+50- 17+50**

Sheet No.:
C6.01

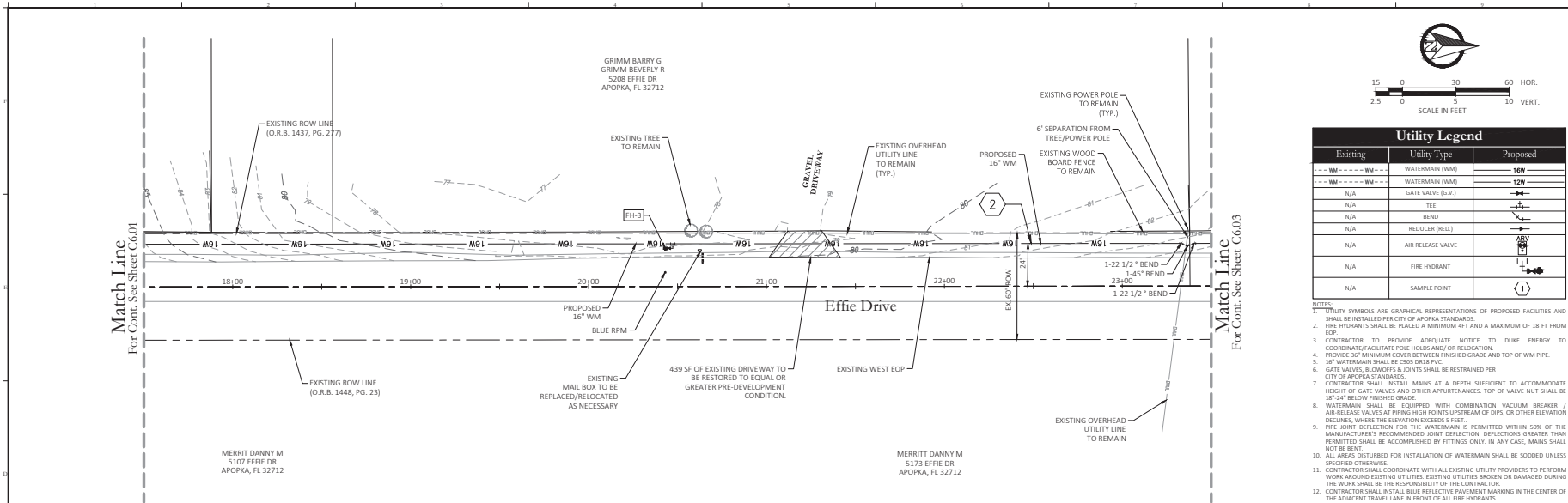


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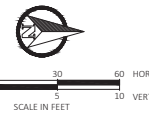
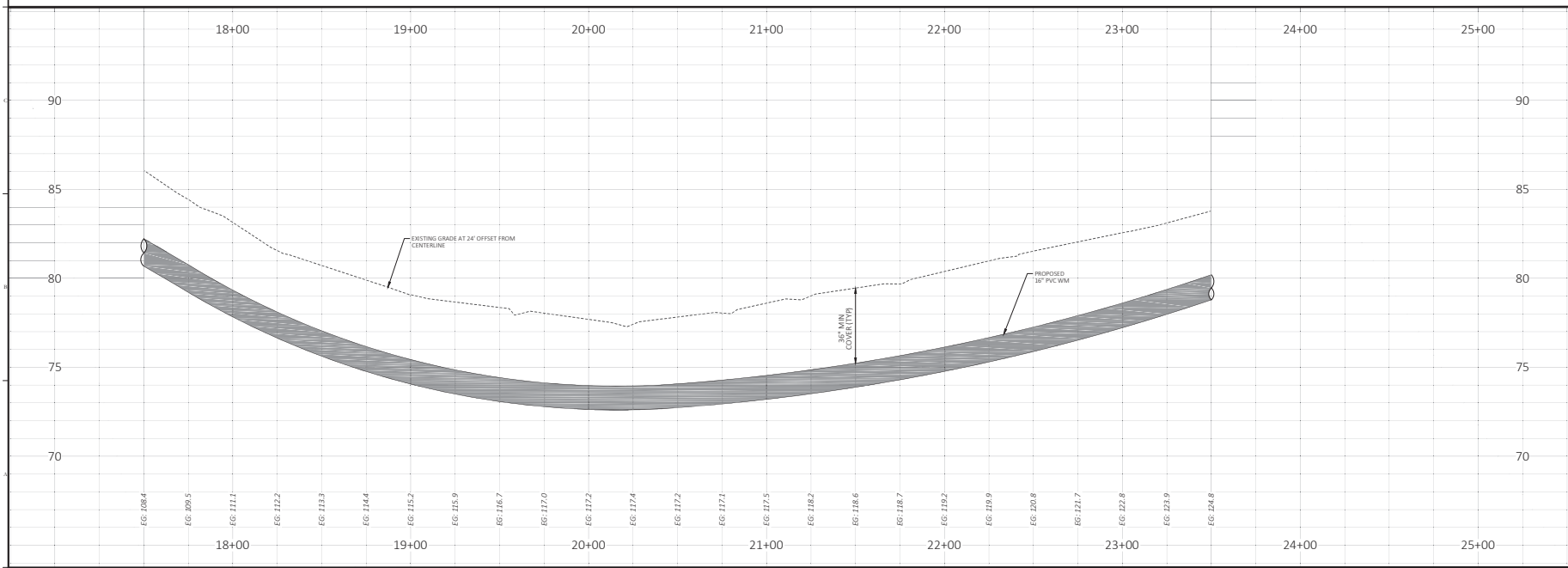
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Tel. 407.467.2504 www.poulosandbennett.com
Eng. Bus. No. 28567

Z:\2021\1-1-227 DAWN - KELLY PARK PHASES 1-1-227\DWG\UTILITY-1-227B - EFFIE RD WM - PP

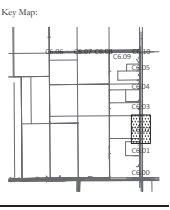


STA. 17+50 - 23+50



Utility Legend		
Existing	Utility Type	Proposed
---	WATERMAIN (WM)	---
---	WATERMAIN (WM)	---
N/A	GATE VALVE (GV)	---
N/A	TEE	---
N/A	BEND	---
N/A	REDUCER (RED.)	---
N/A	AIR RELEASE VALVE	---
N/A	FIRE HYDRANT	---
N/A	SAMPLE POINT	---

- NOTES:
- UTILITY SYMBOLS ARE GRAPHICAL REPRESENTATIONS OF PROPOSED FACILITIES AND SHALL BE INSTALLED PER CITY OF APOPKA STANDARDS.
 - FIRE HYDRANTS SHALL BE PLACED A MINIMUM 4 FT AND A MAXIMUM OF 18 FT FROM EOP.
 - CONTRACTOR TO PROVIDE ADEQUATE NOTICE TO DUNE ENERGY TO COORDINATE FACILITY POLE HOIDS AND/OR RELOCATION.
 - PROVIDE 36" MINIMUM COVER BETWEEN FINISHED GRADE AND TOP OF WM PIPE.
 - 36" WATERMAIN SHALL BE C900 DIPS PVC.
 - GATE VALVES, BLOWOFFS & JOINTS SHALL BE RESTRAINED PER CITY OF APOPKA STANDARDS.
 - CONTRACTOR SHALL INSTALL MAINS AT A DEPTH SUFFICIENT TO ACCOMMODATE HEIGHT OF GATE VALVES AND OTHER APPURTENANCES. TOP OF VALVE NUT SHALL BE 36" 24" BELOW FINISHED GRADE.
 - WATERMAIN SHALL BE EQUIPPED WITH COMBINATION VACUUM BREAKER / AIR RELEASE VALVES AT PIPING HIGH POINTS UPSTREAM OF CIPS, OR OTHER ELEVATION DECLINES, WHERE THE ELEVATION EXCEEDS 5 FEET.
 - PIPE JOINT DEFLECTION FOR THE WATERMAIN IS PERMITTED WITHIN 50% OF THE MANUFACTURER'S RECOMMENDED JOINT DEFLECTION. DEFLECTIONS GREATER THAN PERMITTED SHALL BE ACCOMPANIED BY FITTINGS ONLY. IN ANY CASE, MAINS SHALL NOT BE BENT.
 - ALL AREAS DISTURBED FOR INSTALLATION OF WATERMAIN SHALL BE SODED UNLESS SPECIFIED OTHERWISE.
 - CONTRACTOR SHALL COORDINATE WITH ALL EXISTING UTILITY PROVIDERS TO PERFORM WORK AROUND EXISTING UTILITIES. EXISTING UTILITIES BROKEN OR DAMAGED DURING THE WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - CONTRACTOR SHALL INSTALL BLUE REFLECTIVE PAVEMENT MARKING IN THE CENTER OF THE ADJACENT TRAVEL LANE IN FRONT OF ALL FIRE HYDRANTS.
 - CONTACT RANDY COOK (407-466-6120) WITH LAKE APOPKA NATURAL GAS DISTRICT (LARG) WHEN WORKING NEAR EXISTING 2" GAS MAIN. 5 DAYS NOTICE REQUIRED PRIOR TO THE START OF CONSTRUCTION NEAR GAS MAIN TO ALLOW SUFFICIENT TIME FOR LARG REPRESENTATIVE TO BE ON SITE. CLIENT SHALL BE RESPONSIBLE FOR EXECUTION OF RELOCATION PRICE AGREEMENT WITH LARG PRIOR TO ANY RELOCATION OF EXISTING MAINS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE TIMING OF THIS COORDINATION TO ENSURE SUFFICIENT TIME FOR THE RELOCATION TO OCCUR SO AS NOT TO DELAY THE PROJECT CONSTRUCTION.



02/20/24 SUBMIT TO CITY OF APOPKA, FL
NO DATE DESCRIPTION
SUBMISSIONS REVISIONS
VERTICAL DATUM NAVD 83
JOB NO. 21-027B
DESIGNED BY: TV
DRAWN BY: TV, PV
CHECKED BY: TV
APPROVED BY: MDS
SCALE IN FEET: 1" = 30'

Project Name:
**CROSSROADS
AT KELLY
PARK -
EFFIE DRIVE
OFFSITE
WATERMAIN**

Jurisdiction:
CITY OF APOPKA, FL

Sheet Title:
**PLAN & PROFILE
EFFIE DRIVE
STA. 17+50 - 23+50**

Sheet No:
C6.02

Scale:
1" = 30'

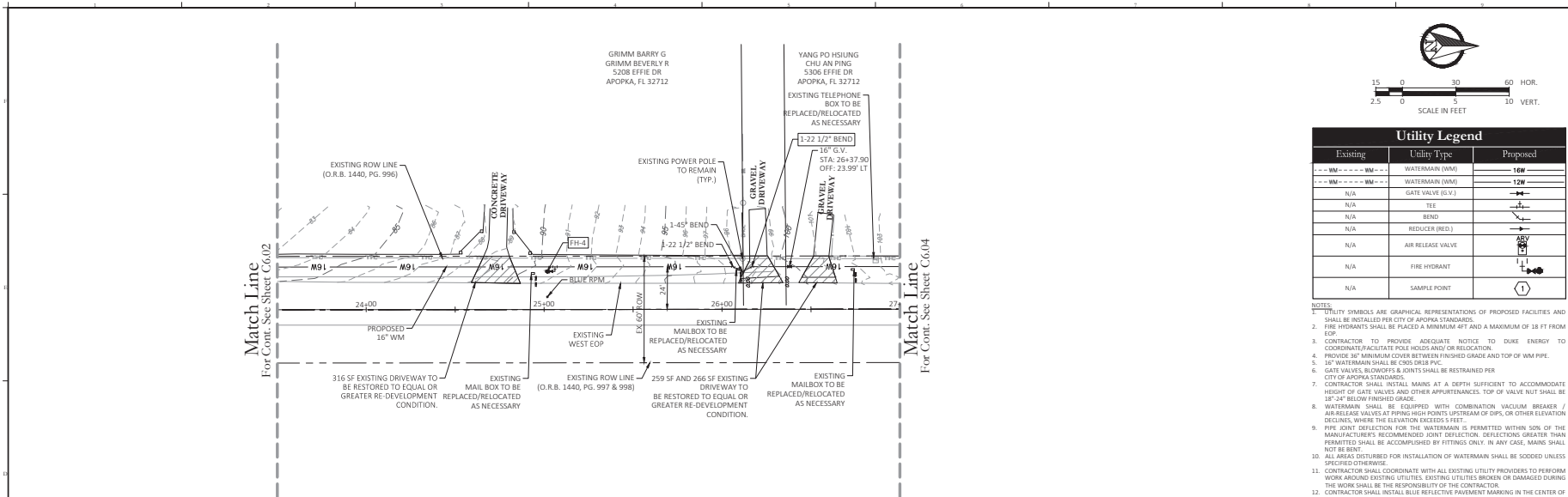
APPROVED
DANIEL STEIN
No. 52781
STATE OF
FLORIDA
Professional Engineer
DATE: January 25, 2024

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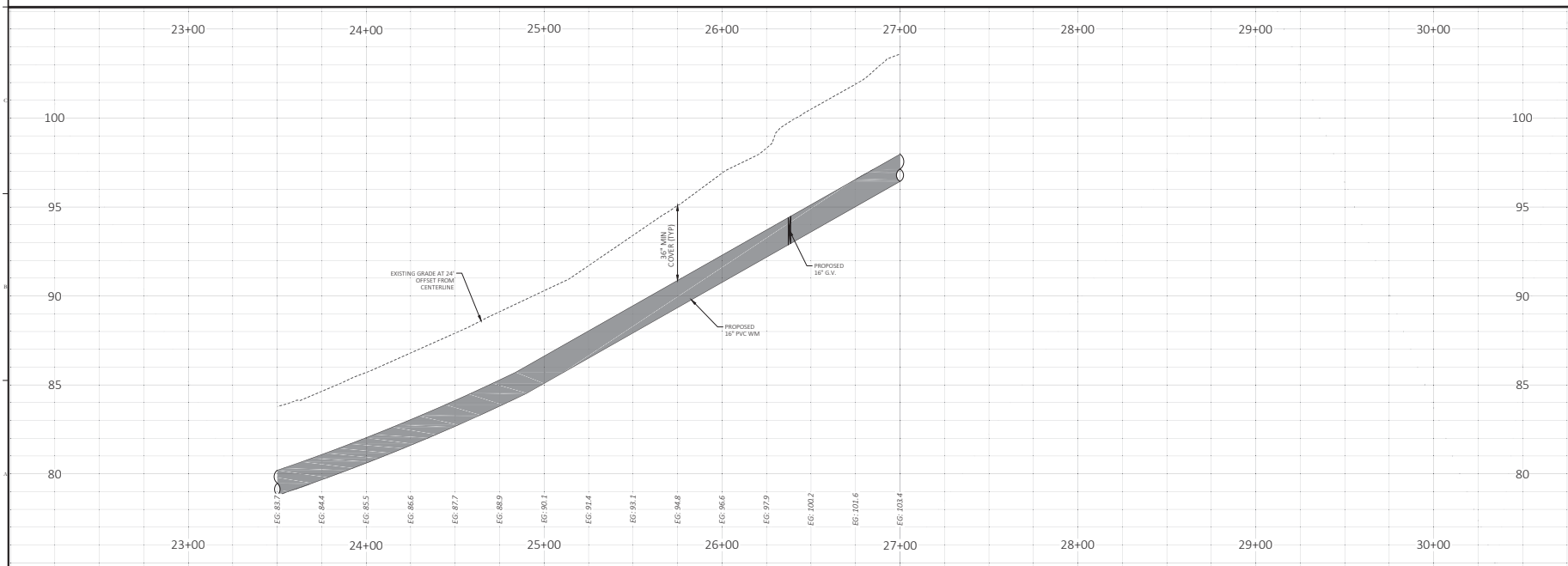
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Poulos & Bennett, LLC
2602 E. Livingston St., Orlando, FL 32803
Tel. 407.467.2504 www.poulosandbennett.com
Eng. Bus. No. 28567

Z:\2021\1-1-227 DAWN - KELLY PARK PHASE 1\1-227B\DWG\UTR\1-227B - EFFIE RD WM - PP

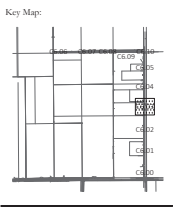


STA. 23+50 - 27+00



Utility Legend		
Existing	Utility Type	Proposed
---	WATERMAIN (WM)	---
---	WATERMAIN (WM)	---
N/A	GATE VALVE (G.V.)	---
N/A	TEE	---
N/A	BEND	---
N/A	REDUCER (RED.)	---
N/A	AIR RELEASE VALVE	---
N/A	FIRE HYDRANT	---
N/A	SAMPLE POINT	---

- NOTES:
- UTILITY SYMBOLS ARE GRAPHICAL REPRESENTATIONS OF PROPOSED FACILITIES AND SHALL BE INSTALLED PER CITY OF APOPKA STANDARDS.
 - FIRE HYDRANTS SHALL BE PLACED A MINIMUM 4FT AND A MAXIMUM OF 18 FT FROM EOP.
 - CONTRACTOR TO PROVIDE ADEQUATE NOTICE TO DUKE ENERGY TO COORDINATE/FACILITATE POLE HOISTS AND/OR RELOCATION.
 - PROVIDE 36" MINIMUM COVER BETWEEN FINISHED GRADE AND TOP OF WM PIPE.
 - 36" WATERMAIN SHALL BE C90 DIPS P.V.C.
 - GATE VALVES, BLOWOFFS & JOINTS SHALL BE RESTRAINED PER CITY OF APOPKA STANDARDS.
 - CONTRACTOR SHALL INSTALL MAINS AT A DEPTH SUFFICIENT TO ACCOMMODATE HEIGHT OF GATE VALVES AND OTHER APPURTENANCES. TOP OF VALVE NUT SHALL BE 18" BELOW FINISHED GRADE.
 - WATERMAIN SHALL BE EQUIPPED WITH COMBINATION VACUUM BREAKER / AIR-RELEASE VALVES AT PIPING HIGH POINTS UPSTREAM OF SIGNS, OR OTHER ELEVATION DECLINES, WHERE THE ELEVATION EXCEEDS 5 FEET.
 - PIPE JOINT DEFLECTION FOR THE WATERMAIN IS PERMITTED WITHIN 50% OF THE MANUFACTURER'S RECOMMENDED JOINT DEFLECTION. DEFLECTIONS GREATER THAN PERMITTED SHALL BE ACCOMPISHED BY FITTINGS ONLY. IN ANY CASE, MAINS SHALL NOT BE BENT.
 - ALL AREAS DISTURBED FOR INSTALLATION OF WATERMAIN SHALL BE SODDED UNLESS SPECIFIED OTHERWISE.
 - CONTRACTOR SHALL COORDINATE WITH ALL EXISTING UTILITY PROVIDERS TO PERFORM WORK AROUND EXISTING UTILITIES. EXISTING UTILITIES BROKEN OR DAMAGED DURING THE WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - CONTRACTOR SHALL INSTALL BLUE REFLECTIVE PAVEMENT MARKING IN THE CENTER OF THE ADJACENT TRAVEL LANE IN FRONT OF ALL FIRE HYDRANTS.
 - CONTACT RANDY COOK (407-466-5120) WITH LAKE APOPKA NATURAL GAS DISTRICT (LAND) WHEN WORKING NEAR EXISTING 2" GAS MAIN. 5 DAYS NOTICE REQUIRED PRIOR TO THE START OF CONSTRUCTION NEAR GAS MAIN TO ALLOW SUFFICIENT TIME FOR LAND REPRESENTATIVE TO BE ON-SITE. CLIENT SHALL BE RESPONSIBLE FOR EXECUTION OF RELOCATION. PRICE AGREEMENT WITH LAND PRIOR TO ANY RELOCATION OF EXISTING MAINS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE TIMING OF THIS COORDINATION TO ENSURE SUFFICIENT TIME FOR THE RELOCATION TO OCCUR SO AS NOT TO DELAY THE PROJECT CONSTRUCTION.



02/20/2024 SUBMIT TO CITY OF APOPKA, FL
NO DATE REVISIONS
SUBMITTALS REVISIONS
VERTICAL DATUM NAVD 83
JOB NO. 21-027B
DESIGNED BY: TV
DRAWN BY: TV, PV
CHECKED BY: TV
APPROVED BY: MDS
SCALE IN FEET: 1" = 30'

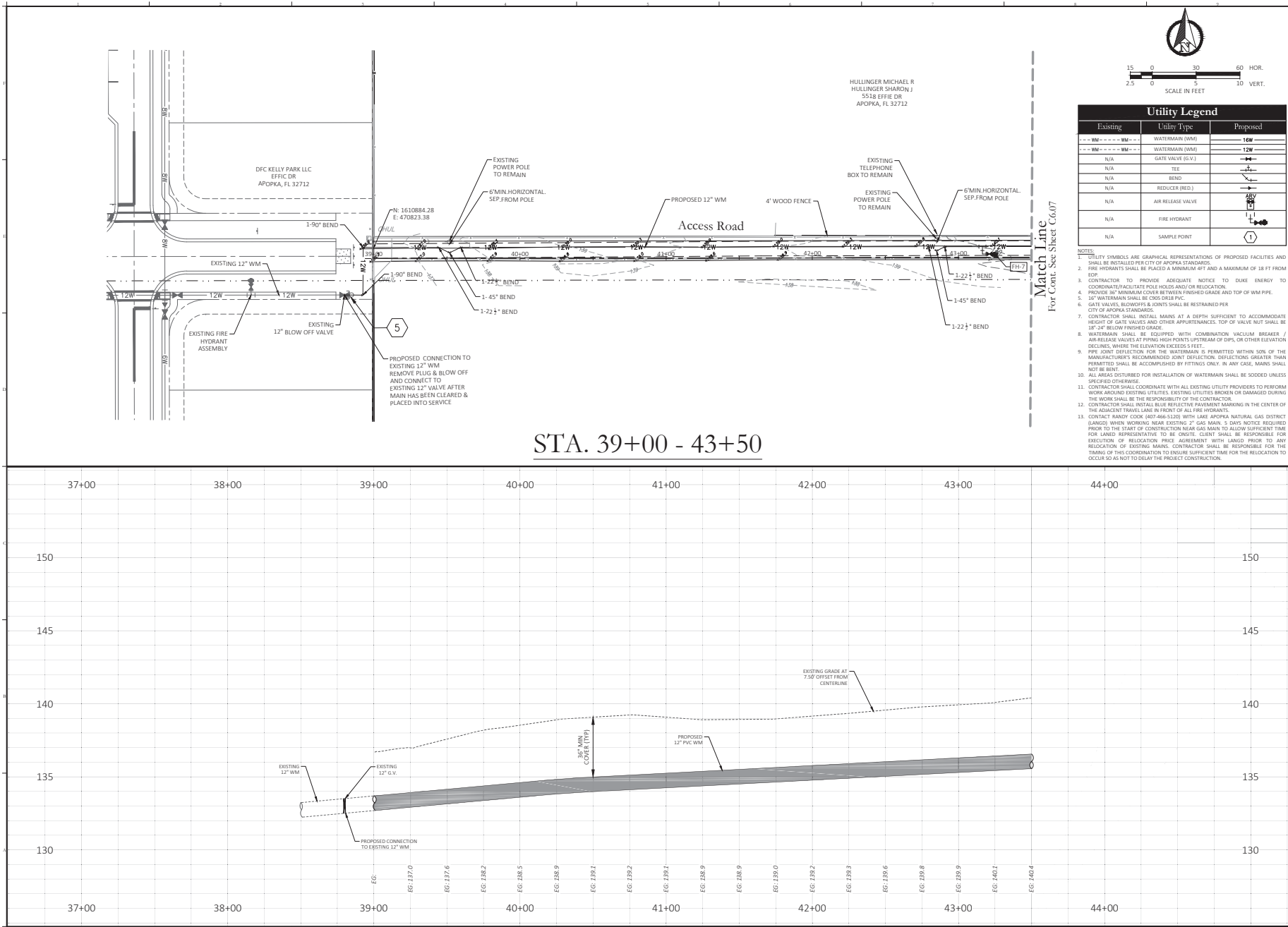
Project Name: CROSSROADS AT KELLY PARK - EFFIE DRIVE OFFSITE WATERMAIN
Jurisdiction: CITY OF APOPKA, FL
Sheet Title: PLAN & PROFILE EFFIE DRIVE STA. 23+50 - 27+00

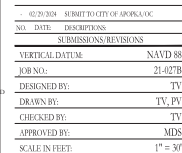
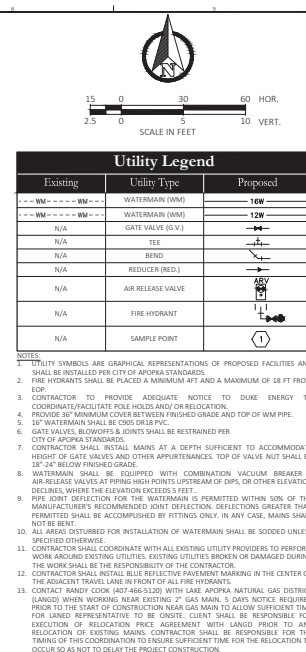
Sheet No: C6.03
Scale: 1" = 30'
Professional Engineer Seal: DANIEL STEINBERG, No. 52781, STATE OF FLORIDA, Professional Engineer
DATE: January 25, 2024

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POULOS & BENNETT
Poulos & Bennett, LLC
2602 E. Livingston St., Orlando, FL 32803
Tel. 407.467.2504 www.poulosandbennett.com
Eng. Bus. No. 28567

Z:\2021\21-227 DAWN - KELLY PARK PHASE 1\1-227B\DWG\UTR\21-227B - UTR RD WM - PP





Project Name:
CROSSROADS
AT KELLY
PARK -
EFFIE DRIVE
OFFSITE
WATERMAIN

Jurisdiction:
CITY OF APOPKA, FL

Sheet Title:
PLAN & PROFILE
ACCESS ROAD
STA. 43+50.00 - 49+50.00

Sheet No.: **C6.07**

Seal: 

MARC DANIEL STEHLER
P.E. NO. 005281

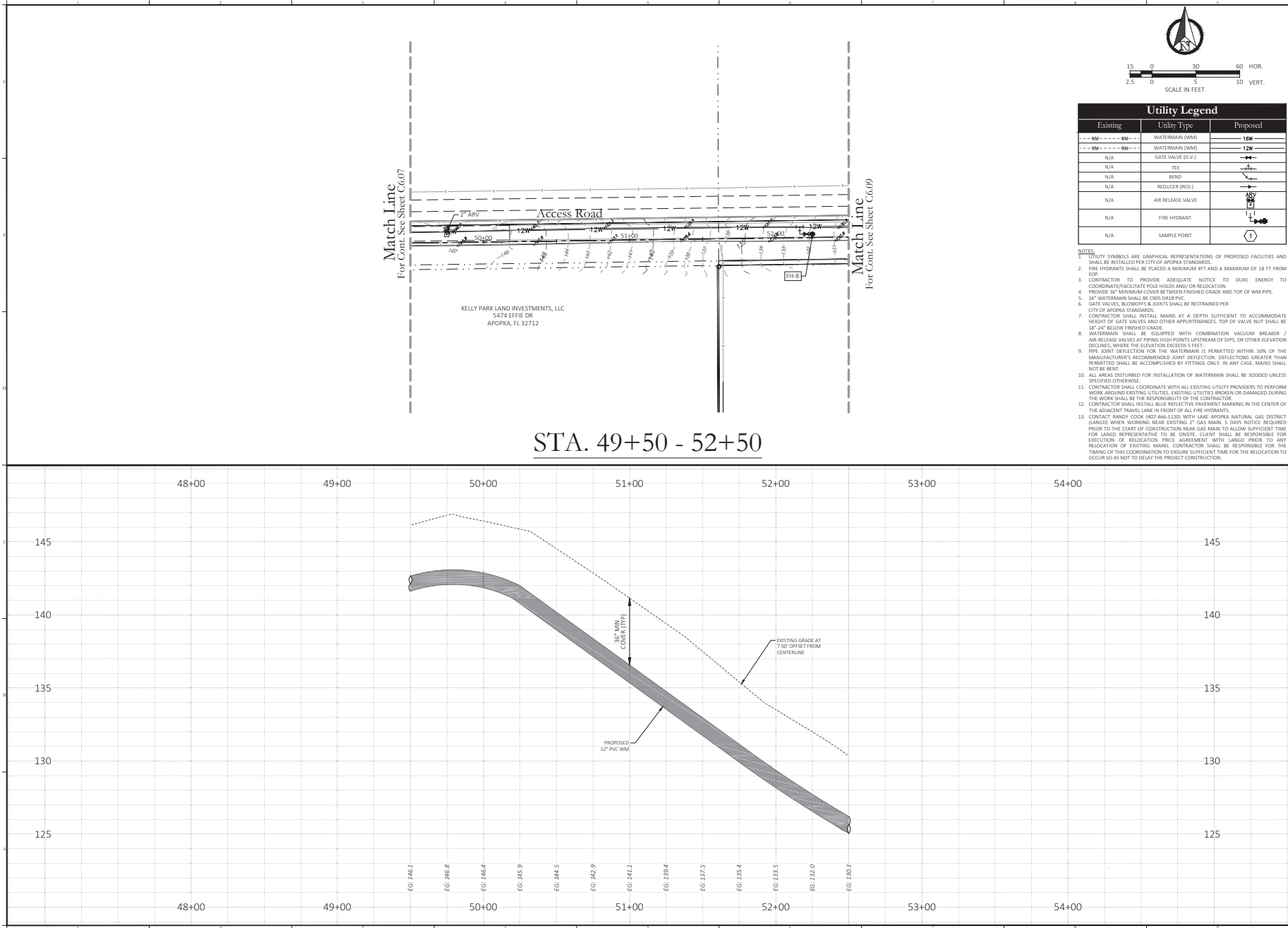
DATE: January 29, 2024

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Tel. 407.487.2594 www.poulosandbennett.com
Eng. Bus. No. 28567

2/20/21 1:17 DAWN - KELLY PARK PHASE 1/1 - 0278/04/UT/EX/1 - 0278 - SITE RD WM - PP

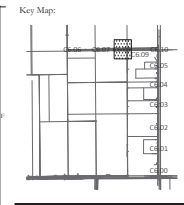


Key Map:

15 0 30 60 HOR.
2.5 0 10 VERT.
SCALE IN FEET

Utility Legend		
Existing	Utility Type	Proposed
---	WATERMAIN (WM)	12"
---	WATERMAIN (WM)	12"
N/A	GATE VALVE (G.V.)	
N/A	TEE	
N/A	BEND	
N/A	REDUCER (RED.)	
N/A	AIR RELEASE VALVE	
N/A	FIRE HYDRANT	
N/A	SAMPLE POINT	1

- NOTES:
- UTILITY SYMBOLS ARE GRAPHICAL REPRESENTATIONS OF PROPOSED FACILITIES AND SHALL BE INSTALLED PER CITY OF APOPKA STANDARDS.
 - FIRE HYDRANTS SHALL BE PLACED A MINIMUM 4 FT AND A MAXIMUM OF 18 FT FROM EDP.
 - CONTRACTOR TO PROVIDE ADEQUATE NOTICE TO DUKE ENERGY TO COORDINATE/FACILITATE POLE HOLDS AND/OR RELOCATION.
 - PROVIDE 30" MINIMUM COVER BETWEEN FINISHED GRADE AND TOP OF WM PIPE.
 - 24" WATERMAIN SHALL BE C900 DIPS PVC.
 - GATE VALVES, BLOWOFFS & JOINTS SHALL BE RESTRAINED PER CITY OF APOPKA STANDARDS.
 - CONTRACTOR SHALL INSTALL MAINS AT A DEPTH SUFFICIENT TO ACCOMMODATE HEIGHT OF GATE VALVES AND OTHER APPURTENANCES. TOP OF VALVE NUT SHALL BE 36" MIN. BELOW FINISHED GRADE.
 - WATERMAIN SHALL BE EQUIPPED WITH COMBINATION VACUUM BREAKER / AIR-RELEASE VALVES AT SPRING HIGH POINTS UPSTREAM OF CIPS, OR OTHER ELEVATION DECLINES, WHERE THE ELEVATION EXCEEDS 5 FEET.
 - PIPE JOINT DEFLECTION FOR THE WATERMAIN IS PERMITTED WITHIN 50% OF THE MANUFACTURER'S RECOMMENDED JOINT DEFLECTION. DEFLECTIONS GREATER THAN PERMITTED SHALL BE ACCOMPLISHED BY FITTING ONLY. IN ANY CASE, MAINS SHALL NOT BE BENT.
 - ALL AREAS DISTURBED FOR INSTALLATION OF WATERMAIN SHALL BE SOLOED UNLESS SPECIFIED OTHERWISE.
 - CONTRACTOR SHALL COORDINATE WITH ALL EXISTING UTILITY PROVIDERS TO PERFORM WORK AROUND EXISTING UTILITIES. EXISTING UTILITIES BROKEN OR DAMAGED DURING THE WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - CONTRACTOR SHALL INSTALL BLUE REFLECTIVE PAVEMENT MARKING IN THE CENTER OF THE ADJACENT TRAVEL LANE IN FRONT OF ALL FIRE HYDRANTS.
 - CONTACT BARRY COOK 407-466-1320 WITH LAKE APOPKA NATURAL GAS DISTRICT (LAND) WHEN WORKING NEAR EXISTING 2" GAS MAIN. 5 DAYS NOTICE REQUIRED PRIOR TO THE START OF CONSTRUCTION NEAR GAS MAIN TO ALLOW SUFFICIENT TIME FOR LAND REPRESENTATIVE TO BE ON-SITE. CLIENT SHALL BE RESPONSIBLE FOR EXECUTION OF RELOCATION. PRICE AGREEMENT WITH LAND PRIOR TO ANY RELOCATION OF EXISTING MAINS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE TIMING OF THIS COORDINATION TO ENSURE SUFFICIENT TIME FOR THE RELOCATION TO OCCUR SO AS NOT TO DELAY THE PROJECT CONSTRUCTION.



02/20/21 SUBMIT TO CITY OF APOPKA, FL

NO. DATE: 02/20/21

SUBMISSIONS REVISIONS

VERTICAL DATUM	NAVD 88
JOB NO.	21-0278
DESIGNED BY:	TV
DRAWN BY:	TV, PV
CHECKED BY:	TV
APPROVED BY:	MDS
SCALE IN FEET:	1" = 30'

Project Name:

**CROSSROADS
AT KELLY
PARK -
EFFIE DRIVE
OFFSITE
WATERMAIN**

Jurisdiction:

CITY OF APOPKA, FL

Sheet Title:

**PLAN & PROFILE
ACCESS ROAD
STA. 49+00 - 52+50**

Sheet No:

C6.08

Seal:

MAJOR DANIEL STEPHEN
LICENSE
No. 52781
STATE OF
FLORIDA
Professional Engineer

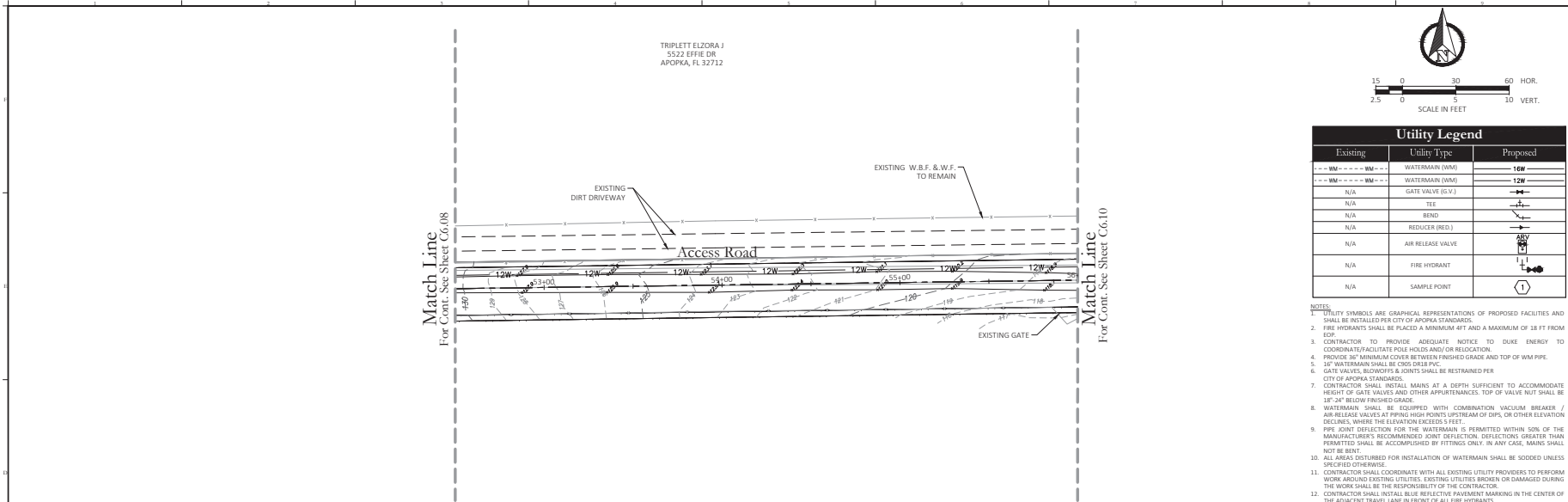
DATE: January 25, 2024

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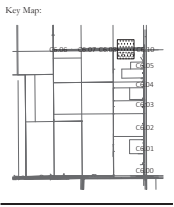
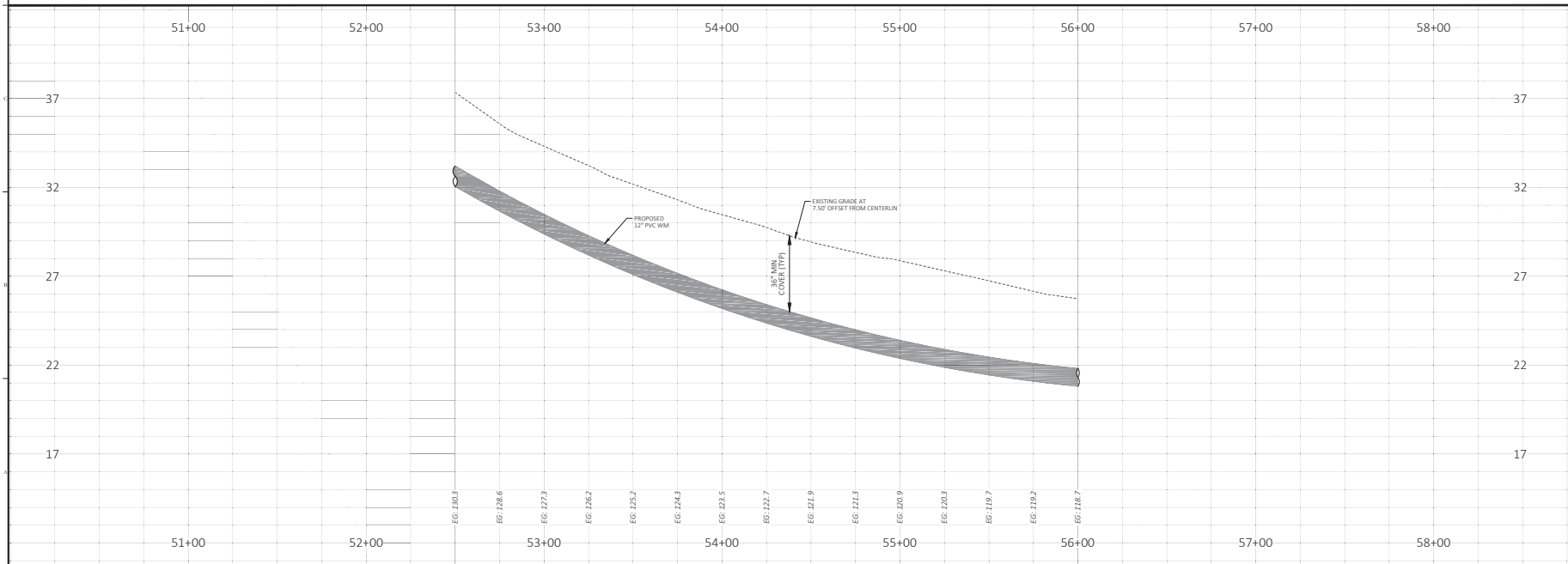
POULOS & BENNETT

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2602 E. Livingston St., Orlando, FL 32803
Tel. 407.467.2504 www.poulosandbennett.com
Eng. Bus. No. 28567

2/20/21 1:14:27 DAWN - KELLY PARK PHASE 1 (1-1078) (A) (E) (1-1-1078) - ETE RD WM - PP



STA. 52+50 - 56+00



02/20/21 SUBMIT TO CITY OF APOPKA, FL
NO. DATE: 02/20/21
SUBMISSIONS/REVISE
VERTICAL DATUM: NAVD 83
JOB NO.: 21-027B
DESIGNED BY: TV
DRAWN BY: TV, PV
CHECKED BY: TV
APPROVED BY: MDS
SCALE IN FEET: 1" = 30'

Project Name:
**CROSSROADS
AT KELLY
PARK -
EFFIE DRIVE
OFFSITE
WATERMAIN**

Jurisdiction:
CITY OF APOPKA, FL

Sheet Title:
**PLAN & PROFILE
EFFIE DRIVE
STA. 52+50 - 56+00**

Sheet No.:
C6.09

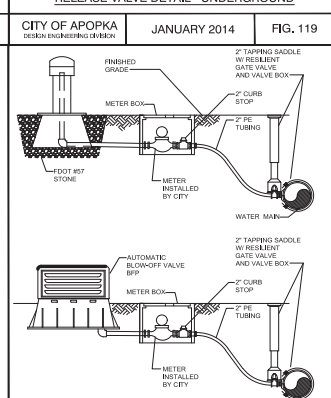
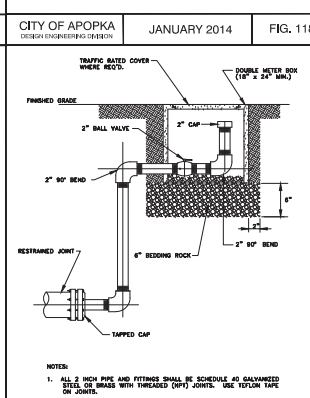
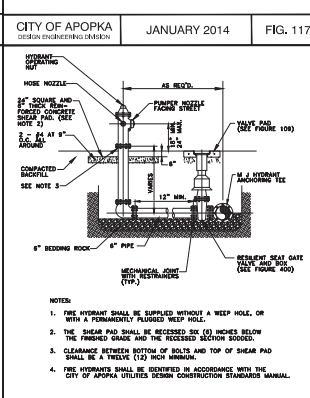
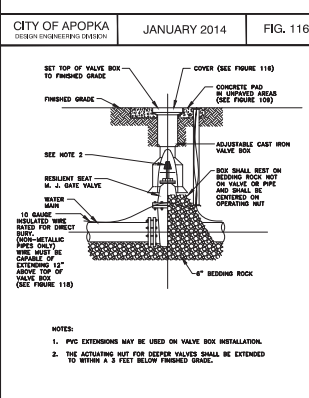
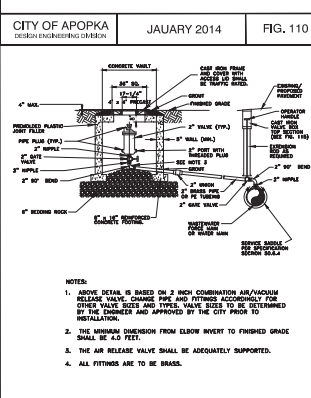
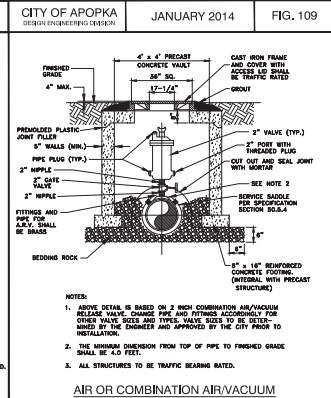
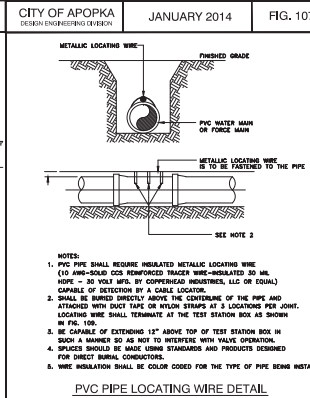
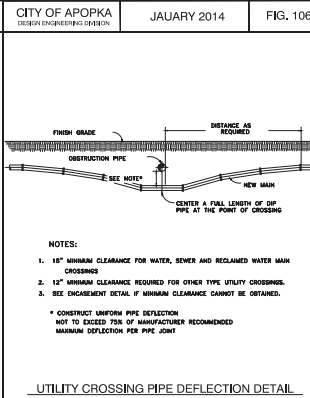
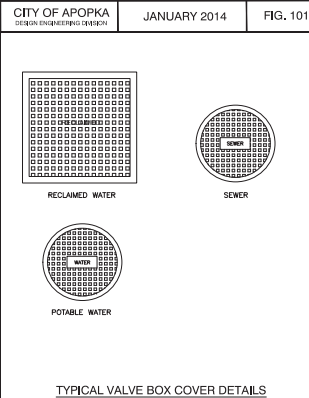
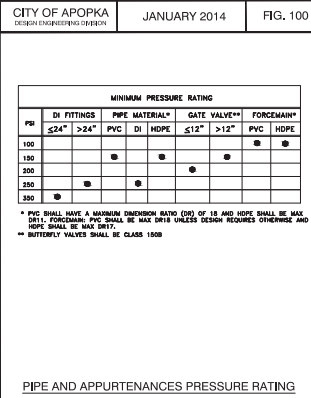
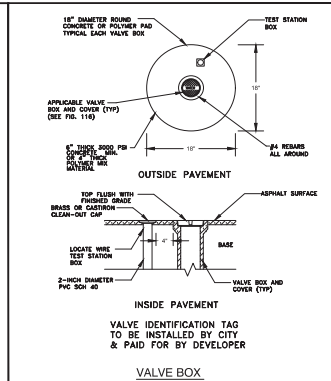
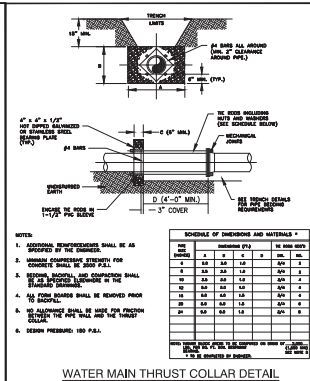
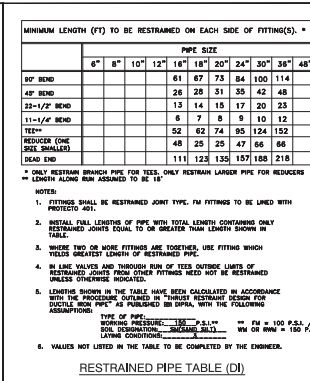
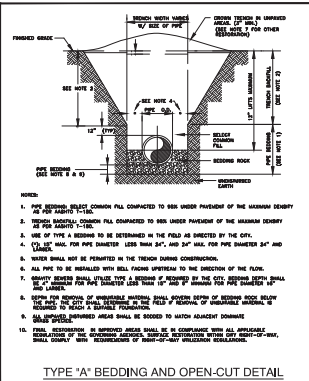
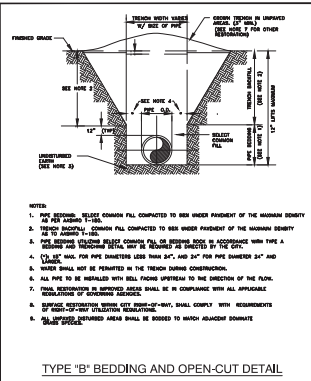
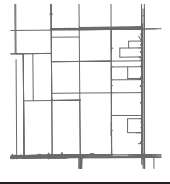
Seal:
DANIEL STEIN
LICENSE
No. 52781
STATE OF
FLORIDA
DATE: January 25, 2024

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Eng. Bus. No. 28567

Key Map:

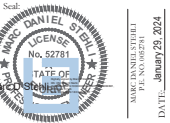


CROSSROADS
AT KELLY
PARK -
EFFIE DRIVE
OFFSITE
WATERMAIN

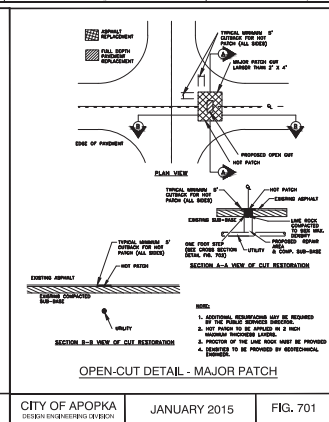
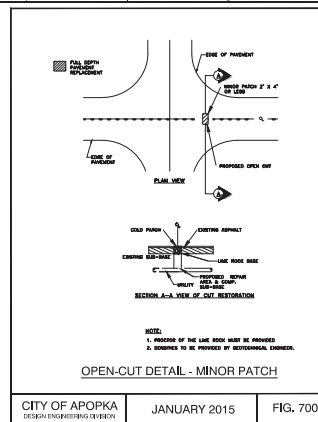
City of Apopka, FL

CITY
OF APOPKA DETAILS

C9.00



Poulos & Bennett, LLC
2602 E. Livingston St., Orlando, FL 32803
Tel. 407.467.2504 www.poulosandbennett.com
Eng. Bus. No. 25657

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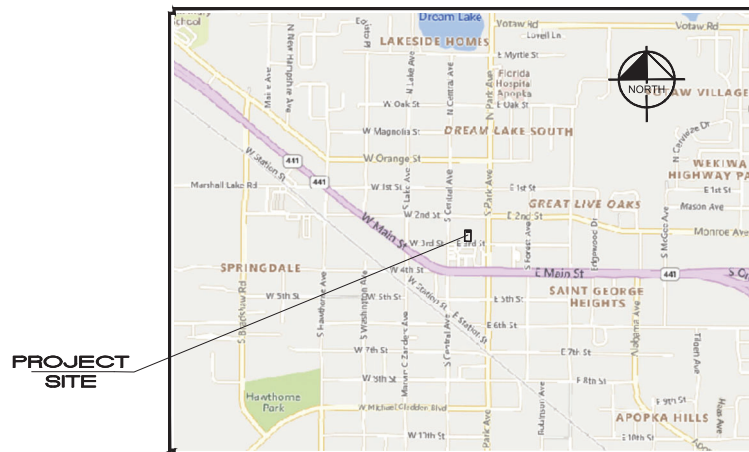
57 E 3RD ST
APOPKA, FLORIDA
FEBRUARY 2024

PROJECT TEAM:

CIVIL ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC
JASON A. ALLIGOOD
109 SOUTH KENTUCKY AVENUE
LAKELAND, FL 33801
(863) 274-2261
JASON.ALLIGOOD@KIMLEY-HORN.COM

SURVEYOR:
DEAL LAND SURVEYING, LLC
804 S FRENCH AVENUE
SANFORD, FL 32771
INFO@DEALLANDSURVEYING.COM

FIBER:
CENTURYLINK
1325 BLAIRSTONE RD
TALLAHASSEE, FL 32301
(850) 599-1444



N.T.S.

SECTION: 09

TOWNSHIP: 21 S

RANGE: 28 E

Sheet List Table	
Sheet Number	Sheet Title
C-000	COVER SHEET
C-010	SIGNATURE SHEET
C-015	GENERAL NOTES
C-020	AERIAL PLAN
C-030	STORMWATER POLLUTION PREVENTION PLAN
C-040	EROSION CONTROL NOTES
C-050	DEMOLITION PLAN
C-100	SITE PLAN
C-150	TRUCK ACCESS PLAN
C-200	GRADING AND DRAINAGE PLAN
C-300	UTILITY PLAN
C-400	DETAILS
L-001	LANDSCAPE PLAN
L-002	LANDSCAPE DETAILS
IR-001	IRRIGATION PLAN
IR-002	IRRIGATION DETAILS
E-001	ELECTRICAL SYMBOLS AND SPECS
E-101	ELECTRICAL SITE PLAN
E-102	SITE PLAN - PHOTOMETRICS
E-103	ELECTRICAL DETAILS - PHOTOMETRICS
E-201	ELECTRICAL LIGHTING PLAN
E-301	ELECTRICAL POWER AND SYSTEMS PLAN
E-501	ELECTRICAL ONE LINE DIAGRAM AND SCHEDULES
E-601	ELECTRICAL DETAILS
V-01	BOUNDARY AND TOPOGRAPHIC SURVEY

THE WEST 100 FEET OF THE EAST 100 FEET OF LOT 23, BLOCK "B", CHAPNEY'S PORTION OF APOPKA, A PER PLAT BOOK A, PAGE 87, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

BASIS OF BEARINGS AND ELEVATION:

BEARINGS SHOWN HEREON ARE BASED ON THE SOUTH LINE OF THE SUBJECT PROPERTY, ASSUMED TO BEING N89°30'31"W.

ELEVATIONS ARE BASED UPON NAVD 88 DATUM.

CALL 2 WORKING DAYS
BEFORE YOU DIG

IT'S THE LAW!
DIAL 811

811

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

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

FARM CREDIT

APOKA

PREPARED FOR

THE LUNZ GROUP

CITY OF APOKA

FLORIDA

C-0000

SHEET NUMBER

AKIA PROJECT
046376016

DATE: 02-29-2024

SCALE: AS SHOWN

DESIGNED BY: NUL

DRAWN BY: NUL

CHECKED BY: JAA

COVER SHEET

AKIA PROJECT
046376016

DATE: 02-29-2024

SCALE: AS SHOWN

DESIGNED BY: NUL

DRAWN BY: NUL

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DESIGNED BY: NUL

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CHECKED BY: JAA

COVER SHEET

AKIA PROJECT
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DATE: 02-29-2024

SCALE: AS SHOWN

DESIGNED BY: NUL

DRAWN BY: NUL

CHECKED BY: JAA

COVER SHEET

AKIA PROJECT
046376016

DATE: 02-29-2024

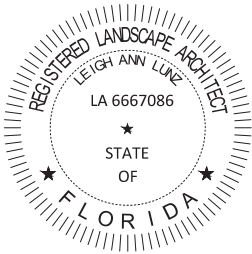
SCALE: AS SHOWN

DESIGNED BY: NUL

DRAWN BY: NUL

CHECKED BY: JAA

COVER SHEET



FARM CREDIT
AOPKA
PREPARED FOR
THE LUNZ GROUP
CITY OF AOPKA
FLORIDA

Printed By: Lumbard, Nathan Sheet: Settings Layout: C-020 AERIAL PLAN February 29, 2024 10:26:40pm K:\ok_civil\046376016 - Lunz Farm Credit APOPKA\CD\MapSheet\C-020-AERIAL.dwg
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FARM CREDIT APOPKA PREPARED FOR THE LUNZ GROUP CITY OF APOPKA FLORIDA		AERIAL PLAN		KHA PROJECT 046376016		JASON A. ALLGOOD Professional Engineer No. 7103 State of Florida Exp. 12/31/2024		Kimley»Horn © 2024 KIMLEY-HORN AND ASSOCIATES, INC. 109 SOUTH KIMLEY-HORN AVENUE P.O. BOX 1000 P.O. BOX 1000 WWW.KIMLEY-HORN.COM REG. NO.: 35106			
SHEET NUMBER C-020		DATE 02-29-2024		DATE 02-29-2024		DATE 02-29-2024		DATE 02-29-2024		DATE 02-29-2024	
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Printed By: L. M. Nishan, Nishan, Shant, Seti, Seta, Layout: C-030, EROSION, CONTROL, PLAN, February 29, 2024, 10:28:05pm, 52, Use: civil/C-030/01016 - lutz, form credit: apopka/CAD/Plan/Sheet/C-030-1705.dwg, This document, together with the concepts and designs presented herein, is an instrument of service, is intended only for the specific purpose and client for which it was prepared. No use, reproduction, or other unauthorized use of this document without written authorization and signature by Kimley-Horn and Associates, Inc. will be without liability to Kimley-Horn and Associates, Inc.

STORMWATER POLLUTION PREVENTION PLAN

SITE DESCRIPTION

PROJECT NAME AND LOCATION

FARM CREDIT APOPKA
PARCEL ID #: 09-21-25-0196-20-232
CITY OF APOPKA, FLORIDA

*SEE COVER SHEET FOR LOCATION MAP

DEVELOPER NAME AND ADDRESS

FARM CREDIT OF CENTRAL FLORIDA
204 EAST ORANGE STREET, SUITE 200
LAKELAND, FLORIDA 33801
CONTACT: DAWN TUTEN

PROJECT DESCRIPTION

THE PROPOSED PROJECT WILL CONSIST OF TEARING DOWN AND RECONSTRUCTING THE EXISTING APOPKA FARM CREDIT BANK BUILDING WITH ASSOCIATED PAVED PARKING AND ACCESS POINTS.

PROJECT AREA: 0.413 ACRES
CONTRIBUTING DRAINAGE AREA: 0.413 ACRES

LONGITUDE: -W 81° 30' 38" LATITUDE: N 28° 40' 29"

ULTIMATE RECEIVING WATERS: DREAM LAKE

ACTIVITIES THAT REQUIRE EROSION CONTROL

PROVIDING A STABILIZED CONSTRUCTION ENTRANCE, PERIMETER, AND OTHER EROSION AND SEDIMENT CONTROLS; SITE GRADING; INSTALLATION OF SANITARY SEWER SERVICE AND WATER BACKFLOW AND SERVICE; 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
TAVARES FINE SAND, 0-5% 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 (NE CORNER OF SITE)
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, 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 SURFACE FLOW THAT FOLLOWS EXISTING CONDITIONS. THE RUNOFF FROM THE SITE WILL DISCHARGE TO THE EXISTING SWALE ALONG THE NORTH PROPERTY BOUNDARY AND RECOVER FROM THE DESIGN STORM IN ACCORDANCE WITH SWMD SPECIFICATIONS AND THE 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 ON 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 ACRE 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 1.65A, 1.65B AND 1.65C 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 ACRE 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 RUNOFF 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 EMPLOYED 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 UTILITIES FOR THE COLLECTION OF 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 TARPULIN.

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 BASIN/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. UNSTABILIZED AREAS SHALL BE RE-SEEDDED.

-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: _____

JASON A. ALLIGOOD, P.E.
FLORIDA REGISTRATION NUMBER: 71103
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

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5	PER CITY COMMENTS	02/29/24	JAA
4	PER CITY COMMENTS	12/20/23	JAA
3	FOR CITY REVIEW	09/28/23	JAA
2	BOOK SET	09/28/23	JAA
1	DO SET	08/18/23	JAA
No.	REVISIONS	DATE	BY

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DATE 02/29/24 BY JAA

DATE 02/29/24 BY JAA

STORMWATER POLLUTION PREVENTION PLAN

FARM CREDIT APOPKA PREPARED FOR THE LUNZ GROUP CITY OF APOPKA FLORIDA

SHEET NUMBER C-030

1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420</
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- EROSION AND SILTATION CONTROL:

- BEST MANAGEMENT PRACTICES:

1. GENERAL EROSION CONTROL.
2. PROTECTION OF SURFACE WATER QUALITY DURING AND AFTER CONSTRUCTION.
3. CONTROL OF WIND EROSION.

THE VARIOUS TECHNIQUES OR ACTIONS IDENTIFIED UNDER EACH SECTION INDICATE THE APPROPRIATE SITUATION WHEN THE TECHNIQUES SHOULD BE EMPLOYED. IT SHOULD BE NOTED THAT THE MEASURES IDENTIFIED ON THIS PLAN ARE ONLY SUGGESTED BMP(S). THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS SPECIFIED IN FDOT EROSION AND SEDIMENT CONTROL MANUAL AND AS NECESSARY FOR EACH SPECIFIC APPLICATION.

1. GENERAL EROSION CONTROL, MANAGEMENT PRACTICES SHALL BE EMPLOYED TO MINIMIZE SOIL EROSION AND POTENTIAL POOL SLOPE FAILURES. WHERE THE VARIOUS TECHNIQUES REQUIRED WILL BE SITE AND PLAN SPECIFIC, THEY SHOULD BE DONE AS SOON AS POSSIBLE DURING CONSTRUCTION ACTIVITIES.
2. CLEARED SITE DEVELOPMENT AREAS NOT CONTINUALLY USED FOR CONSTRUCTION ACTIVITIES SHALL BE COVERED WITH HAY AND/OR OVERSEEDED AND SUFFICIENTLY MAINTAINED TO STABILIZE THE TEMPORARY GROUNDWORK.
3. BANKS OF RETENTION/DETENTION PONDS SHALL NOT BE CONSTRUCTED STEEPER THAN 4H:1V FROM TOP OF BANK TO TOE BELOW THE CONTROL ELEVATION.
4. A 1-FOOT WIDE STRIP OF SOIL SHALL BE PLACED ALONG ALL CURBING AND ABOUT ALL INLETS. SOIL SHALL BE PLACED BEFORE SILT BARRIERS ARE REMOVED.
5. THE CONTRACTOR WILL STABILIZE BY SEED AND MULCH, SOIL, OR OTHER APPROPRIATE MATERIALS WITH DISTURBED AREAS WITHIN ONE YEAR FOLLOWING COMPLETION OF CONSTRUCTION AND SHALL MAINTAIN SUCH STABILIZATION SOIL CARE UNITS, FURTHER ASSURED BY THE OWNER. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER REGARDING THE TYPES OF MATERIAL, LANDSCAPING AND IRRIGATION REQUIREMENTS.

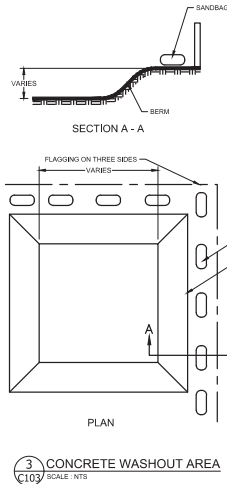
1. SURFACE WATER QUALITY SHALL BE MAINTAINED BY EMPLOYING THE FOLLOWING BEST MANAGEMENT PRACTICES IN THE CONSTRUCTION PLANNING AND CONSTRUCTION OF ALL IMPROVEMENTS.

- SECTION 3 CONTROL OF WIND EROSION:

- DEMOLITION NOTES (IF NECESSARY):

- DEWATERING NOTES (IF NECESSARY):

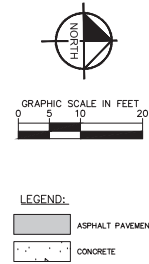
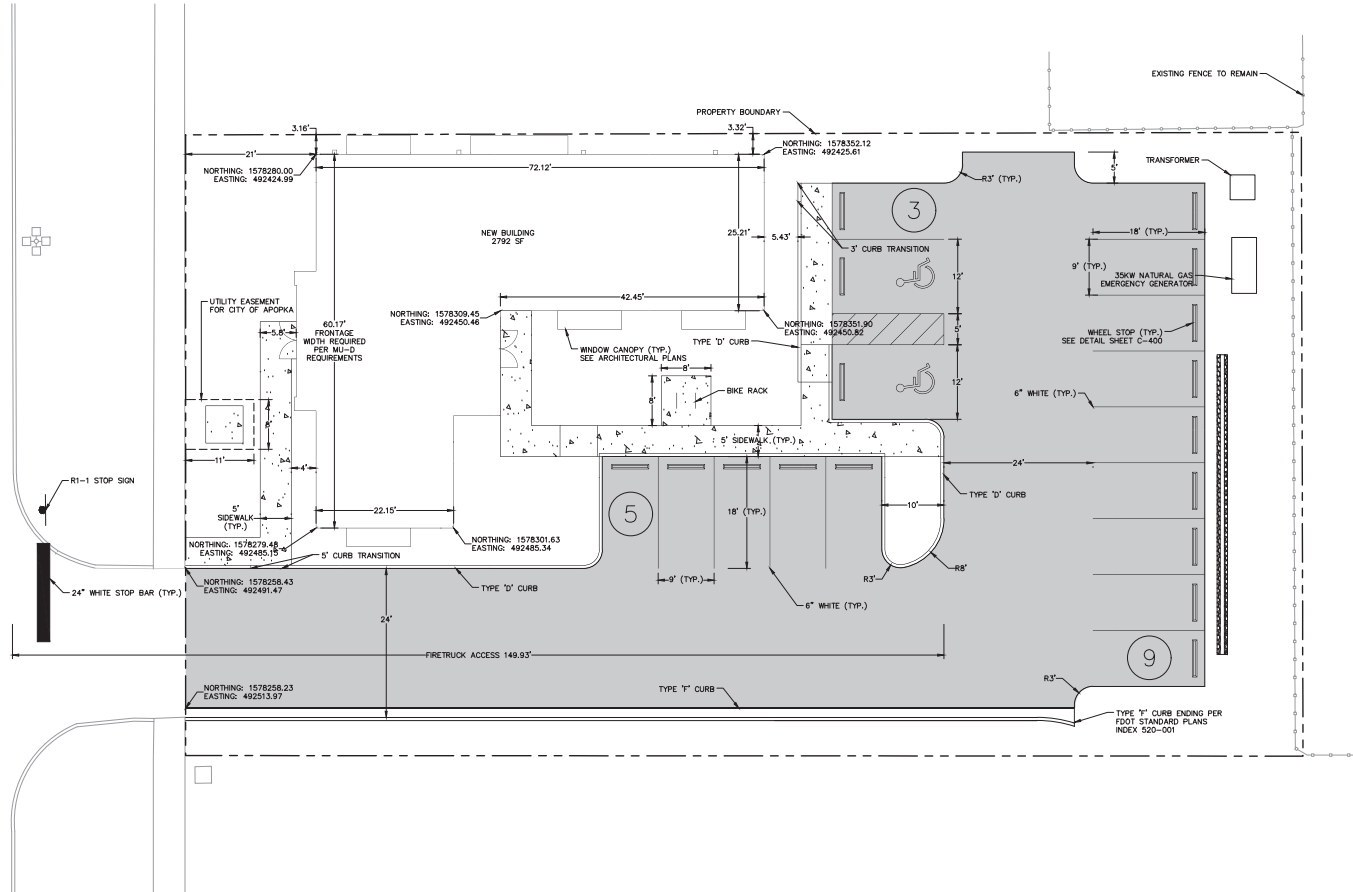
1. DURING THE EXCAVATION OF THE STORMWATER PONDS, THE CONTRACTOR MUST CONSTRUCT A SEDIMENT BASIN TO PROVIDE A DISCHARGE POINT FOR DRAINING. THE SEDIMENT BASIN SHALL BE LOCATED DOWN-DRIVE FROM THE EXCAVATION AND SHALL BE DESIGNED TO HOLD THE EXCESS WATER FROM THE EXCAVATION. THE SEDIMENT BASIN SHALL BE HELD IN THE SEDIMENT AREA UNTIL THE WATER IS CLEAR SUCH THAT THERE WOULD BE NO TURBID DISCHARGE. AFTER THE WATER IN THE SEDIMENT BASIN IS CLEAR, WATER SHALL BE DISCHARGED TO THE EXISTING WATERWAY.
2. UNDER NO CIRCUMSTANCES WILL THE DISCHARGE FROM THE SEDIMENTARY BE DIRECTLY ON OR NEAR THE EXISTING WATERWAY.
3. DURING EXCAVATION THE CONTRACTOR SHALL NOT GENERATE THE EXISTING CLAY LAYER IF PRESENT. IF THE CONTRACTOR ENCOUNTERS THE CLAY LAYER, HE/SHE SHALL STOP WORK IMMEDIATELY AND NOTIFY THE DISTRICT ENGINEER. THE CONTRACTOR SHALL NOT REMOVE THE CLAY LAYER.
4. IF THE CONTRACTOR DISCOVERS LIME/CLAY SAND, OR CALICHE, OR CALICHE AND GRAVEL, HE/SHE SHALL TREAT THE MATERIAL WITH A CHEMICAL AGENTIVE SUCH AS ALUM IN ORDER TO PROMOTE THE COAGULATION AND SETTLEMENT OF THE PARTICLES FOR THE WATER TO BECOME LESS TURBID. TURBID WATER SHALL BE HELD IN THE SEDIMENT BASIN UNTIL THE WATER IS CLEAR. THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE COAGULATION FACTOR THAT IS APPROPRIATE TO ELIMINATE THE TURBIDITY AND ALLOW DISCHARGE THAT MEETS WATER QUALITY STANDARDS.
5. THE CONTRACTOR SHALL SCHEDULE THE EXCAVATION OF THE STORMWATER PONDS SUCH THAT A SEDIMENT BASIN WILL BE AVAILABLE AT ALL TIMES. THE SEDIMENT BASIN SHALL BE MAINTAINED THROUGHOUT THE EXCAVATION OF THE STORMWATER PONDS.



NOTE: CONCRETE WASHOUT SHALL BE SIZED
APPROPRIATELY FOR CONCRETE POUR
TASK AT HAND

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SHEET NUMBER C-040		FARM CREDIT APOPKA PREPARED FOR THE LUNZ GROUP CITY OF APOPKA FLORIDA		EROSION CONTROL NOTES		KHA PROJECT 046376016 DATE 02-29-2024 SCALE AS SHOWN DESIGNED BY NUL DRAWN BY NUL CHECKED BY JAA		 Kimley»Horn 100 SOUTH KENTUCKY AVENUE, LAKELAND, FL 33601 WWW.KIMLEY-HORN.COM REG. NO.: 35106		<table><thead><tr><th>No.</th><th>REVISIONS</th><th>DATE</th><th>BY</th></tr></thead><tbody><tr><td>1</td><td>DD SET</td><td>08/19/23</td><td>JAA</td></tr><tr><td>2</td><td>BOR SET</td><td>09/06/23</td><td>JAA</td></tr><tr><td>3</td><td>FOR CITY REVIEW</td><td>09/26/23</td><td>JAA</td></tr><tr><td>4</td><td>PER CITY COMMENTS</td><td>12/20/23</td><td>JAA</td></tr><tr><td>5</td><td>PER CITY COMMENTS</td><td>02/29/24</td><td>JAA</td></tr></tbody></table>		No.	REVISIONS	DATE	BY	1	DD SET	08/19/23	JAA	2	BOR SET	09/06/23	JAA	3	FOR CITY REVIEW	09/26/23	JAA	4	PER CITY COMMENTS	12/20/23	JAA	5	PER CITY COMMENTS	02/29/24	JAA
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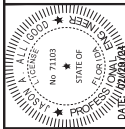


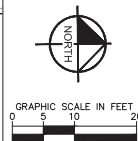
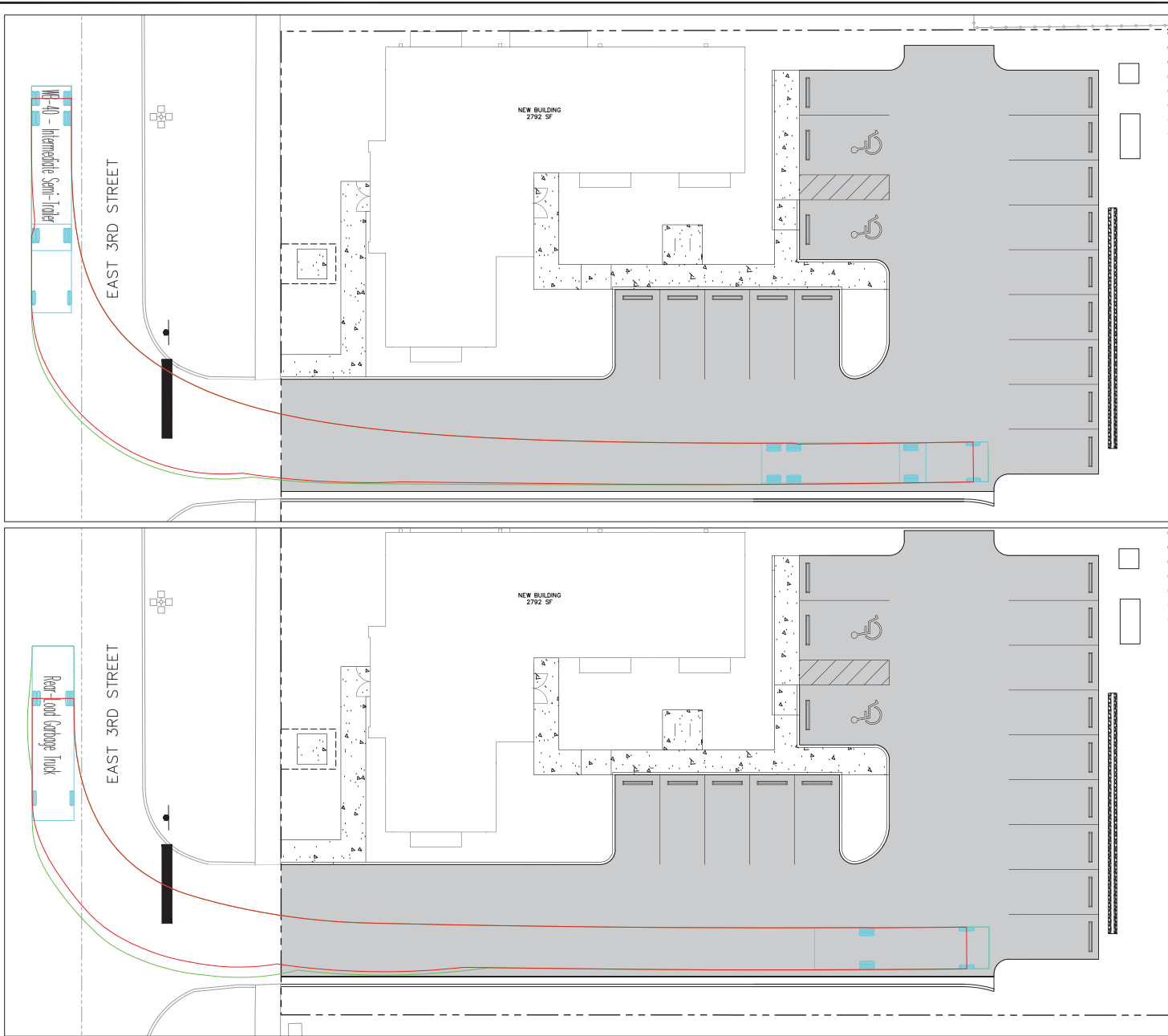
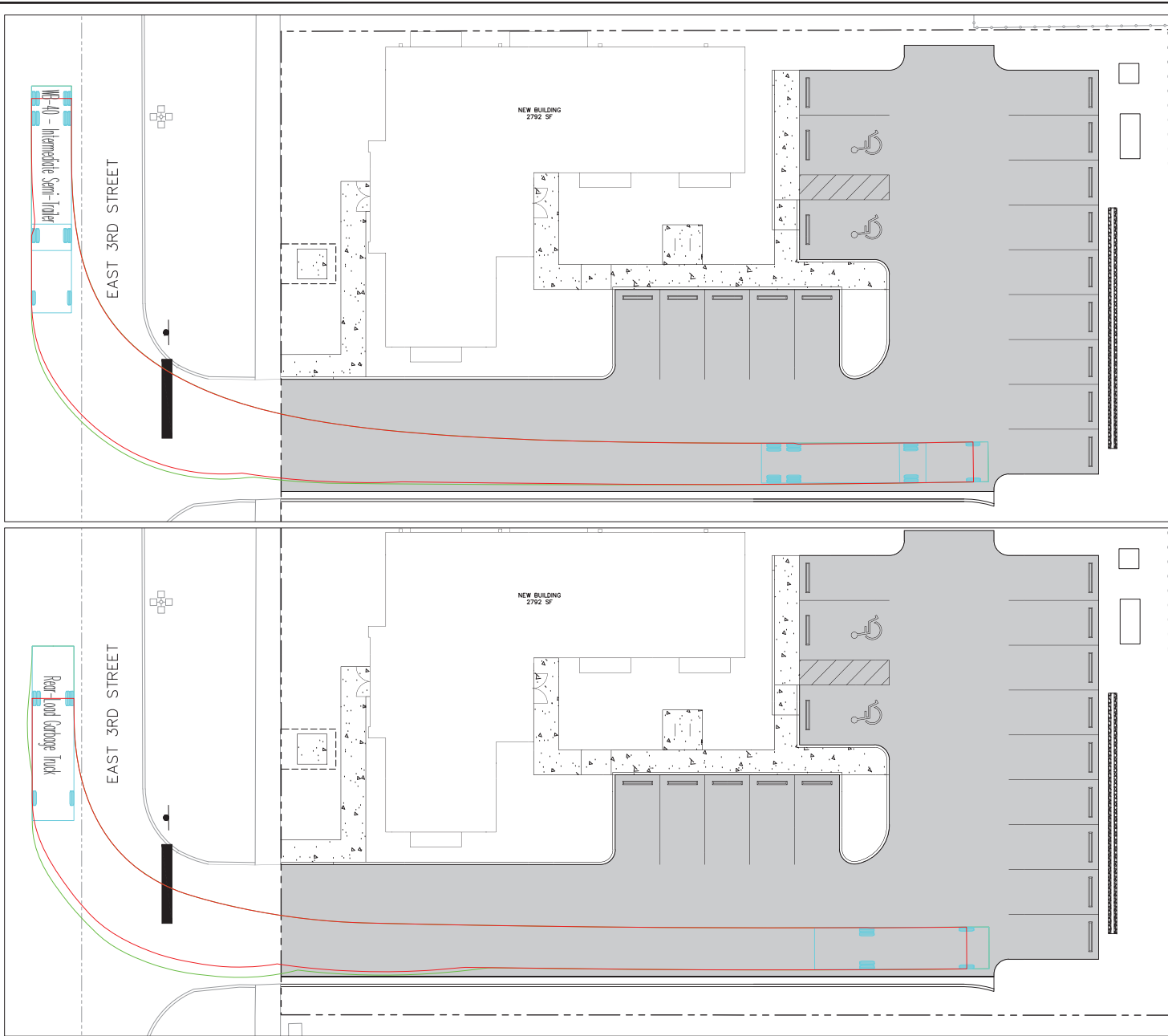
SITE DATA TABLE	
LOCATION	SECTION 09, TOWNSHIP 21 S, RANGE 28 E
PARCEL ID	09-21-28-0196-20-232
ADDRESS	57 E 3RD STREET APOLKA, FLORIDA 32703
SITE AREA	0.413 AC
BUILDING FRONTAGE	WIDTH 60.17 FT
LOT WIDTH	100.0 FT
BUILDING FRONTAGE %	60.17%
REQUIRED FRONTAGE %	60.00%
	PER MU-20 REQUIREMENTS
ZONING INFORMATION	
FLUR	COMMERCIAL (COMM)
ZONING	MIXED-USE DOWNTOWN (MU-D)
PROVIDED F.A.R.	0.16
MAXIMUM F.A.R.	2.0
PROVIDED OPEN SPACE	35.5%
MINIMUM OPEN SPACE	7.5%
FLOOD ZONE:	ZONE V
PARKING SPACE INFORMATION	
EXISTING:	15 STANDARD
PROPOSED:	15 STANDARD
	2 ADA
	17 TOTAL

FARM CREDIT
APOPKA
PREPARED FOR
THE LUNZ GROUP
CITY OF APOPKA
SHEET NUMBER
C-100

SITE PLAN

Kimley»»Horn
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109 SOUTH KENTUCKY AVENUE, LAKELAND FL 33601
PHONE: 863-701-8702
WWW.KIMLEY-HORN.COM REG NO.: 35106

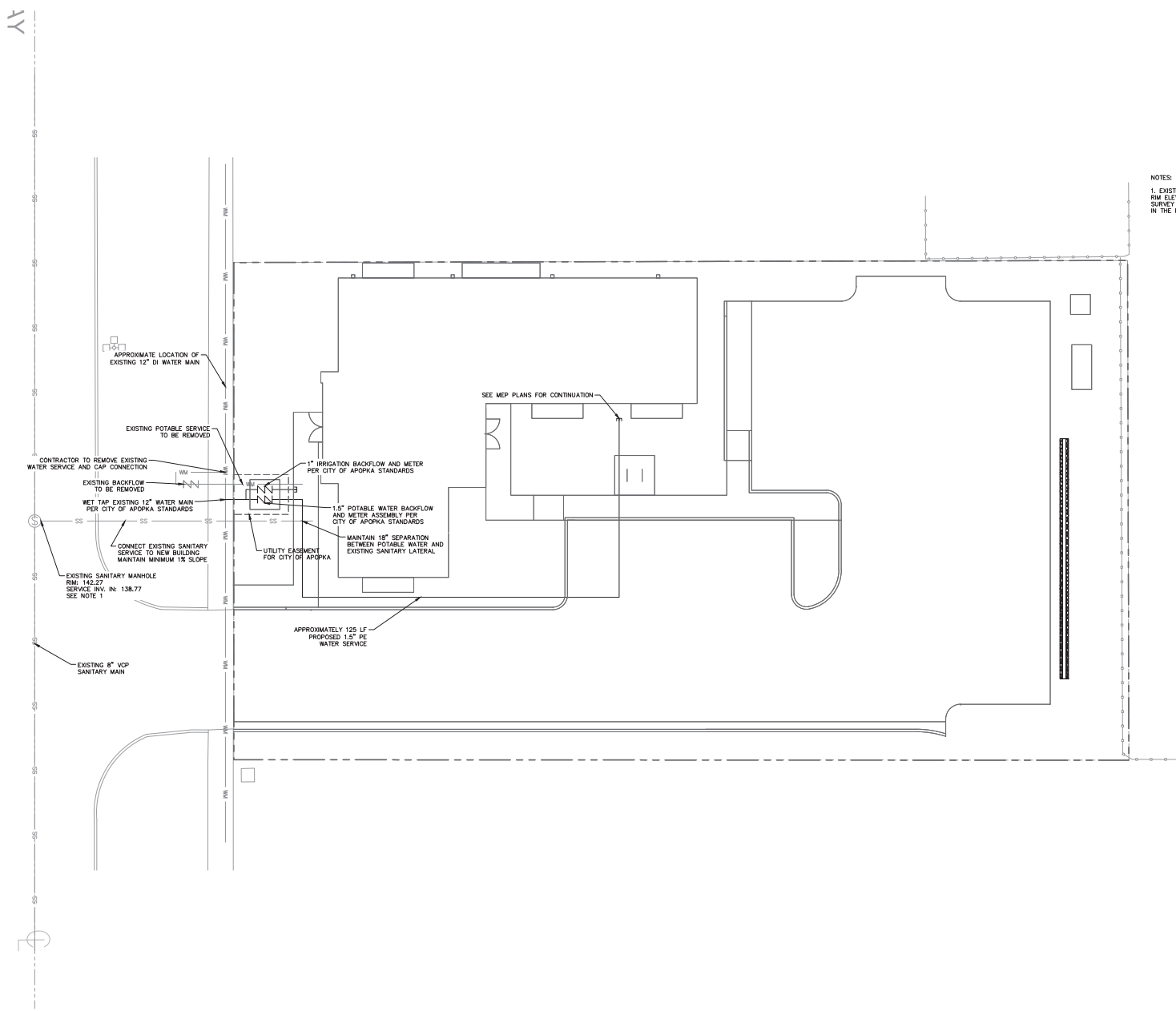
[illegible]



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SHEET NUMBER C-150		FARM CREDIT APOKA PREPARED FOR THE LUNZ GROUP CITY OF APOKA, FLORIDA		TRUCK ACCESS PLAN		KHA PROJECT 046376016 DATE 02-29-2024 SCALE AS SHOWN DESIGNED BY NUL DRAWN BY NUL CHECKED BY				Kimley»Horn 5 2024 KIMLEY-HORN AND ASSOCIATES, INC. 109 SOUTH KENTUCKY AVENUE, LAKELAND, FL 33801 WWW.KIMLEY-HORN.COM REG. NO. 35106		5 PER CITY COMMENTS 4 PER CITY COMMENTS 3 PER CITY REVIEW 2 BOE SET 1 DD SET No. DATE BY		02/29/24 JAA 02/29/24 JAA 05/29/23 JAA 05/29/23 JAA 05/29/23 JAA 05/19/23 JAA	
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Printed By: Lumbard, Nathan Sheet Set: 300 Layout: C-300 Master: UTILITY PLAN February 29, 2024 10:28:02am K:\Job_civil\046376016 - Lutz Farm Credit.apk\DWG\046376016-UTL-MSTR.dwg
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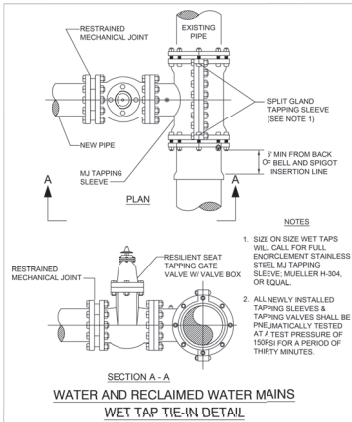


NOTES:
1. EXISTING SANITARY MANHOLE NOT INCLUDED IN SURVEY.
RM ELEVATION IS APPROXIMATE BASED UPON GENERAL SURVEY INFORMATION. SANITARY SERVICE INVERT MEASURED IN THE FIELD RELATIVE TO MANHOLE TOP.

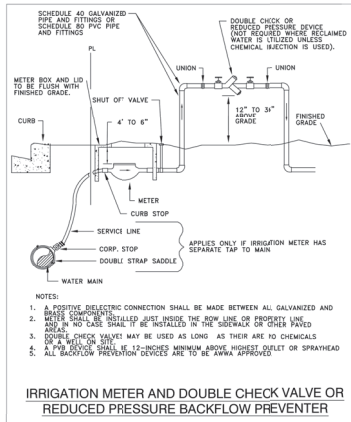
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FARM CREDIT APOPKA PREPARED FOR THE LUNZ GROUP CITY OF APOPKA, FLORIDA		UTILITY PLAN		Kimley»Horn © 2024 KIMLEY-HORN AND ASSOCIATES, INC. 109 SOUTH PALM AVENUE, SUITE 100 APOPKA, FL 32003 WWW.KIMLEY-HORN.COM REC NO.: 38108	
SHEET NUMBER C-300		DATE 02-29-2024 SCALE: AS SHOWN DESIGNED BY: N/A DRAWN BY: N/A CHECKED BY: JAA		PROJECT NO.: 046376016 DATE: 02/29/24 SHEET NO.: 1103 SHEET OF: 1103	
				PER CITY COMMENTS 12/20/23 JAA 09/28/23 JAA 07/02/23 JAA 08/18/23 JAA	
				REVISIONS NO. DATE BY	

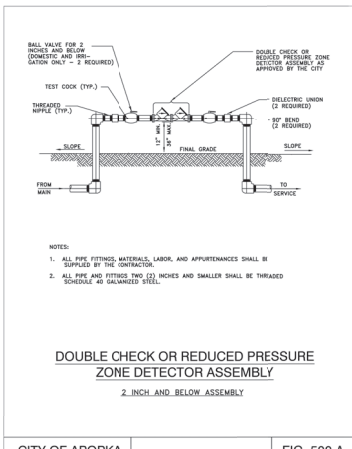
Printed By: Lumbard, Nathan Sheet: 5 of 10 Layout: C-400 DETAILS February 29, 2024 10:28:14am K:\Users\cva\445792016 - LUNZ farm credit.apopka\CAD\Drawings\C-400-DETAIL.dwg
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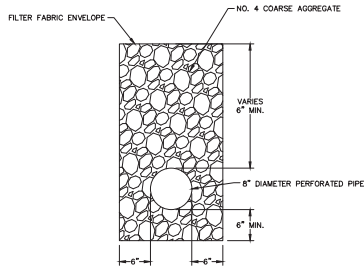
CITY OF APOPKA JANUARY 2014 FIG. 406



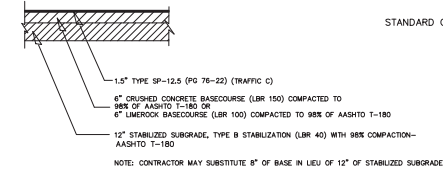
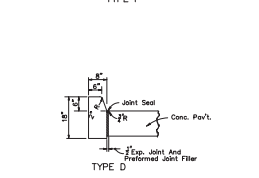
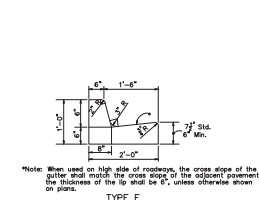
CITY OF APOPKA JANUARY 2014 FIG. 502



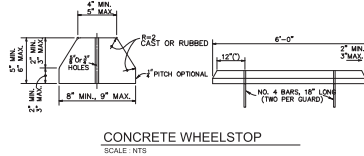
CITY OF APOPKA JANUARY 2014 FIG. 500 A



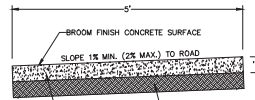
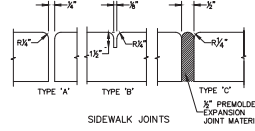
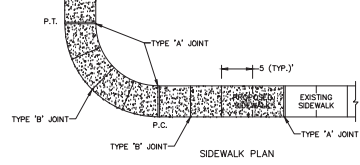
FRENCH DRAIN DETAIL
N.T.S.



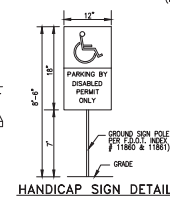
STANDARD DUTY PAVEMENT SECTION
N.T.S.



CONCRETE WHEELSTOP
SCALE: N.T.S.



CONCRETE SIDEWALK
N.T.S.



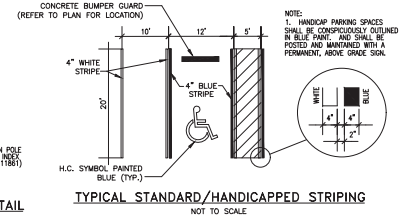
TYPICAL SYMBOL FOR HANDICAP PKG.
NOT TO SCALE

1. TOP PORTION OF FTP 25 & 26 SHALL HAVE A REFLECTIVE SYMBOL AND BORDER.
2. BOTTOM PORTION SHALL HAVE A REFLECTIVE WHITE BACKGROUND WITH BLACK ORANGE LEGEND AND BORDER.
3. FTP 25 & 26 MAY BE FABRICATED ON ONE PANEL OR TWO.
4. FTP 25 & 26 MAY BE SUBSTITUTED FOR THE FTP 26 IN AREAS WHERE SPACE IS LIMITED.
5. SIGNS ARE TO BE MOUNTED AT STANDARD HEIGHT, (7' FROM PAVEMENT TO BOTTOM OF SIGN).

TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
'A'	100' MAX. SPACING, P.C./P.T. OF CURVES, JUNCTION OF EXISTING AND NEW SIDEWALKS.
'B'	5'-0" CENTER TO CENTER
'C'	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS AND SIMILAR STRUCTURES.

TABLE OF SIDEWALK THICKNESS	
LOCATION	"T"
PEDESTRIAN ONLY AREAS	4"
DRIVEWAYS AND OTHER TRAFFIC AREAS	6"

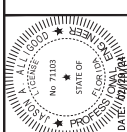
NOTE: ALL SIDEWALK STREET CROSSINGS MUST MEET THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT (ADA) COMPLIANCE GUIDE. TRANSITIONS FROM RAMPS TO WALKS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES.



TYPICAL STANDARD/HANDICAPPED STRIPING
NOT TO SCALE

NO.	REVISIONS	DATE
1	DO SET	08/19/23 JAA
2	80% SET	09/08/23 JAA
3	FOR CITY REVIEW	12/20/23 JAA
4	PER CITY COMMENTS	12/20/23 JAA
5	PER CITY COMMENTS	02/29/24 JAA

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PHOENIX, ARIZONA 85001
WWW.KIMLEY-HORN.COM REG. NO. 35016



DATE	DATE	DATE
02-29-2024	02-29-2024	02-29-2024
SCALE: AS SHOWN	SCALE: AS SHOWN	SCALE: AS SHOWN
DESIGNED BY: N.L.	DESIGNED BY: N.L.	DESIGNED BY: N.L.
DRAWN BY: N.L.	DRAWN BY: N.L.	DRAWN BY: N.L.
CHECKED BY: JAA	CHECKED BY: JAA	CHECKED BY: JAA

DETAILS

**FARM CREDIT
APOPKA
PREPARED FOR
THE LUNZ GROUP**

CITY OF APOPKA
SHEET NUMBER
C-400

NO.	DESCRIPTION	DATE
1	DESIGNED FOR	DATE
2	CONSTRUCTION PERMIT	DATE
3	SUBMITTAL CORRECTION	DATE
4	REVISION FOR CITY COMMENTS	DATE

DESIGNED BY: LAL
REVIEWED BY: LAL
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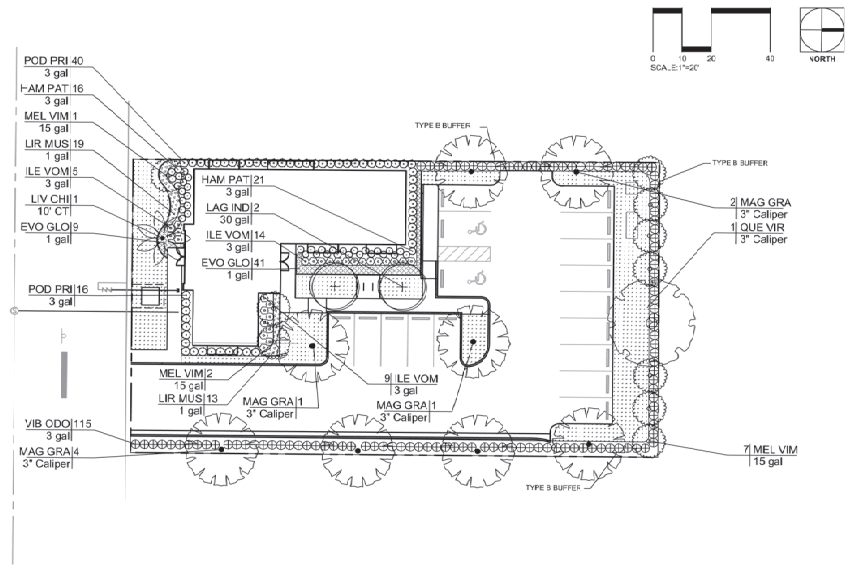
57 E 3RD ST
Apopka, FL 32703
407.703.1700
407.703.1701

lunz.com

22248.01

L-001

"If you require further clarification of what this document represents, please contact the ADA coordinator of City of Apopka at 407-703-1700"



OPEN SPACE

Area of Site - 18,000 Square Feet

Open Space on Site - 6,040 Square Feet
Percentage of Open Space - 33%

Sod proposed on site - 2,971 Square Feet
Percentage of Sod in Open Space - 49%

PLANTING NOTES

- Planting area along Right of way is a minimum of 4' in width and is the length of the building facade as required per LDC section 5.2.5.a.1.
- Foundation shrubs a minimum of 24" in height and 30" on center

BUFFER CALCULATIONS

NORTH - 15' B BUFFER

100 LF/100LF = 1 x 1 = 1 CANOPY TREES REQ'D

1 x 7 = 7 UNDERSTORY TREES REQ'D
1 x 5 = 5 SHRUBS REQ'D

Buffer Provided:

1 Canopy Tree
7 Understory
31 Shrubs

SOUTH - No Buffer Required

100 LF/100LF = 0 x 1 = 0 CANOPY TREES REQ'D

0 x 7 = 0 UNDERSTORY TREES REQ'D
0 x 5 = 0 SHRUBS REQ'D

Buffer Provided:

0 Canopy Trees
0 Understory Trees
0 Shrubs

EAST - 5' B BUFFER

180 LF/100LF = 1.8 x 0 = 0 CANOPY TREES REQ'D

1.8 x 0 = 0 UNDERSTORY TREES REQ'D
1.8 x 10 = 18 SHRUBS REQ'D

4 Canopy Trees

0 Understory Trees
57 Shrubs

WEST - 5' B BUFFER

180 LF/100LF = 1.8 x 0 = 0 CANOPY TREES REQ'D

1.8 x 0 = 0 UNDERSTORY TREES REQ'D
1.8 x 10 = 18 SHRUBS REQ'D

2 Canopy Trees

0 Understory Trees
69 Shrubs

PLANT SCHEDULE

TREES	BOTANICAL	COMMON	CONT	QTY	SPECIFICATIONS
LAG IND	Lagerstoeimia (indica x fauriei) Tuskegee	Tuskegee Crape Myrtle	30 gallon	2	10-12' Tall, Multi-Trunk Understory
MAG GRA	Magnolia grandiflora 'Bracken's Brown Beauty'	Bracken's Brown Beauty Magnolia	3" DBH	8	12-14' Tall, Standard Canopy
MAG GRA	Melaleuca virginialis 'Red Cascade'	Red Cascade Weeping Bottlebrush	15 gallon	10	6-8' Tall, Standard Understory
QUE VIR	Quercus virginiana 'Boardwalk'	Boardwalk Live Oak	3" DBH	1	14-16' Tall Canopy
PALMS	BOTANICAL	COMMON	CONT	QTY	SPECIFICATIONS
LIV CHI	Livistona chinensis	Chinese Fan Palm	10" C.T.	1	Matched Specimens
SHRUBS & GROUNDCOVERS	BOTANICAL	COMMON	CONT	QTY	SPECIFICATIONS
EVO GLO	Evolverus glomeratus 'Blue Daze'	Blue My Mind Blue Daze	1 gal	50	8-12" Tall
HAM PAT	Hamelia patens 'Compacta'	Dwarf Firebush	3 gal	37	24" Tall, 16-24" Spread
ILE VOM	Ilex vomitoria 'Stoke's Dwarf'	Stoke's Dwarf Yaupon Holly	3 gal	28	15-18" Tall, 15-18" Spread
LIR MUS	Liriope muscari	Liriope	1 gal	32	8-12" Tall, 12" Spread
POC PRI	Podocarpus macrophyllus 'Fringies'	Pringles Dwarf Podocarpus	7 gal	56	24" Tall, 16" Spread
VIB DDO	Viburnum odoratissimum	Sweet Viburnum	3 gal	115	24" Tall, 24" Spread
TURF GRASS	BOTANICAL	COMMON	CONT	QTY	SPECIFICATIONS
ST. AUGUSTINE	Stenotaphrum secundatum 'Palmetto'	Palmetto St. Augustine Grass	SOD		

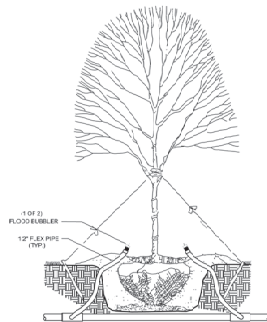
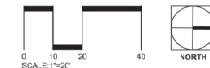
57 E 3RD ST.
APOPKA, FL 32703



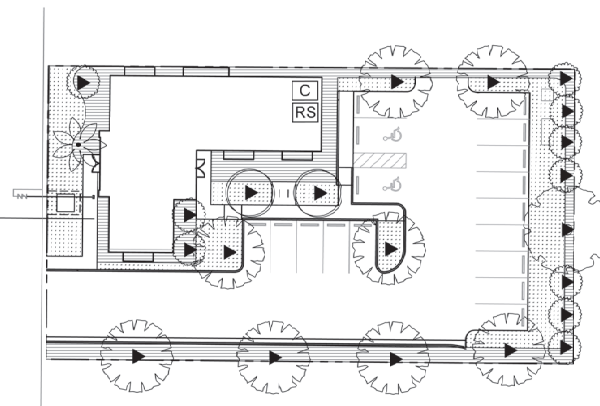
1. Thickness of Cut: Turfgrass seed shall be machine cut at uniform soil thickness at the time of cutting. Measurement for thickness shall exclude top growth and bulk.
2. Seed Size: Individual pieces of turfgrass seed shall be cut to the upper's standard width and length. Maximum allowable deviation from standard width and length shall be plus or minus 0.5 mm (1/4 inch) on width and plus or minus four percent on length. Strips and pieces of turf or subunits shall not be acceptable.
3. Strength of Turf: Turf samples: Standard size sections of turfgrass seed shall be strong enough to be lifted and placed up and handled without damage.
4. Moisture Content: Turfgrass seed shall not be harvested or transported when its moisture content (necessarily dry or wet) may adversely affect its survival.
5. End pieces to be laid first with adjacent pieces and right angled at adjacent pieces. No gaps. Roll with heavy roller if requested by Landscape Architect.

L-002

Page 184 of 266



TREE BUBBLER DETAIL



IRRIGATION LEGEND

- 
- MICRO IRRIGATION**
- 
- ROTOR & SPRAY HEADS FOR SAINT AUGUSTINE TURF**

▲ TREE BUZZERS

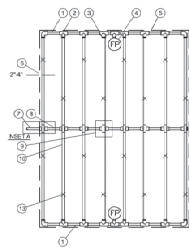
===== IRRIGATION SLEEVES

PPE SLEEVE: PVD SCHEDULE 40
TYPICAL PIPE SLEEVE FOR IRRIGATION PIPE.
SLEEVE SIZE SHALL ALLOW FOR IRRIGATION PIPING
AND THEIR RELATED COUPLINGS TO EASILY SLIDE
THROUGH SLEEVING MATERIAL. EXTEND SLEEVES 18"
BEYOND EDGES OF PAVING OR CONSTRUCTION.

C CONTROLLER IN POOL EQUIPMENT ENCLOSURE

NOTES:
 1. CONNECT TO CITY WATER WITH AN IRRIGATION METER
 2. IRRIGATION CONTRACTOR TO PROVIDE AS-BUILTS SHOWING
 MAINLINE, VALVES, SPRAY PATTERNS, AND ZONES.

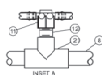
RS	RAIN SENSOR
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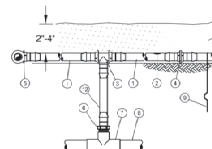
NOTES:

1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION.
2. LENGTH OF LONGEST DRIFLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.
3. WHEN USING 1/2 IN. IRRI FITTINGS WITH DESIGN PRESSURE OVER 50 PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE RE-INSTALLED ON EACH FITTING.

- ① PVC SCH40S HEADER
- ② PVC SCH40S TEE OR ELB (TYPICAL)
- ③ BARS & NUTS FITTING
SEE RAINBOW KFM FITTING (TYPICAL)
- ④ FLUSH-POINT (TYPICAL)
SEE RAINBOW DETAIL "KFM FLUSH POINT"
- ⑤ PERIMETER OF AREA
- ⑥ PERIMETER DRUPINE PIPS TO BE INSTALLED 2"
FROM PERIMETER OF AREA
- ⑦ PVC SPLY RAINFOLD
- ⑧ CONNECTION TYPICALLY RAINFOLD TO
DRIPLINE (TYPICAL) SEE INSET A
- ⑨ OVERSPLASH DRIPLINE:
RAINBOW KFM SERIES DRIPLINE(TYPICAL)
PICKABLE 3/8" DRIPLINE
RAINBOW KFM SERIES DRUPINE
- ⑩ BARS & NUTS FITTING
RAINBOW KFM 3/8" FLA-OFIT FITTING
- ⑪ 3/8" PIP 40PLS. LENGTHS AS NECESSARY
- ⑫ RAINBOW KFM 3/8" DOWN STAKE STAGGERS

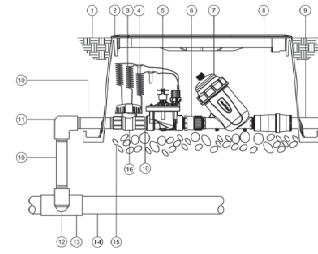


XFD ON-SURFACE DRIPLINE - CENTER FEED LAYOUT



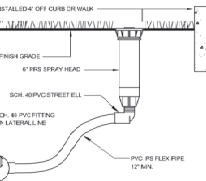
NOTES:
1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION, SUCH AS FEES OR ELBOWS, USE TIE DOWN STAKES EACH LEG OF THE CHANGE OF DIRECTION.

- ① CHAIN SURFACE DOWNSIDE:
FAN SIBD K7 SERIES DOWNSIDE
FOOTABLE: X1C DOWNSIDE
KID-FOOTABLE: K7D DOWNSIDE
- ② INLINE DIRT MATTER/CUT SET. SEE PLAN
FOR EFFLUENT DOWNSIDE SPACING.
- ③ BARF TEE 17x19mm
FAN SIBD K7F-TEE
- ④ BARF COUPLING 17x19mm
FAN SIBD K7F-COUP
- ⑤ BARF ELBOW 17x19mm
FAN SIBD K7F-ELBOW
- ⑥ BARF MALE ADAPTER
9mm X1/2" JPT
FAN SIBD XFF-MALE-90
9mm X3/4" JPT
FAN SIBD XFF-MALE-90
- ⑦ PVC TEE 5x1/2"
- ⑧ PVC LATERAL SUPPLY HEADER
- ⑨ TEE COUPLER
FAN SIBD TDS-610 WITH BEND (TYP)
- ⑩ MACH

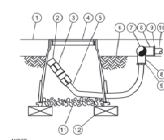


RAIN BIRD XCZ-150-LCDOR 1.5" COMMERCIAL CONTROL ZONE KIT IN JUMBO VALVE BOX

- 1 FRESH GRAVEL TOP OF MOUND
- 2 APPROX VALVE BOX WITH PLASTIC COVER
W/ BAY TIE BELT
- 3 30" MIN. LINE LENGTH OF VPI COILED CABLE
- 4 WATERPROOF CONNECTION:
WATERPROOF VALVE (INCLUDES 8" X22-56 SERIES)
- 5 1" V2" PRESS. VALVE (INCLUDES 8" X22-56-CDR KIT)
- 6 1" X2" GASKET ADAPTER (MADE BY FEMALE)
(INCLUDES 8" X22-56-CDR KIT)
- 7 1" V2" FILTER-RAIN BIRD BARGE CAPACITY 50MG
(INCLUDES 8" X22-56-CDR KIT)
- 8 1" V2" HIGH FLOW PRESSURE REGULATOR
(INCLUDES 8" X22-56-CDR KIT)
- 9 LATERAL PIPE
- 10 PUC-80 40" HPIPE 1" V2"
- 11 PUC-80 40" ELBOW
- 12 PUC-80 40" HPIPE (2" LENGTH, HIDDEN AND
PUC-80 ELBOW)
- 13 PUC-80 40" TEE OR ELBOW
- 14 WAXLINE PIPE
- 15 MINIMUM DEPTH OF 34" WASHED GRAVEL
- 16 SOLATION VALVE, LINE 32E

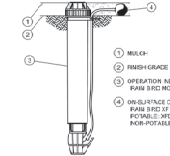


6' POP-UP SPRAY HEAD DETAIL



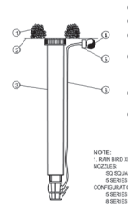
NOTE:
1. ALLOW A MINIMUM OF 6 INCHES OF FREE
TUBING IN VALVE BOX IN ORDER TO DIRECT
FILLED WATER OUTSIDE VALVE BOX.

XFD ON-SURFACE DR PLINE FLUSH POINT



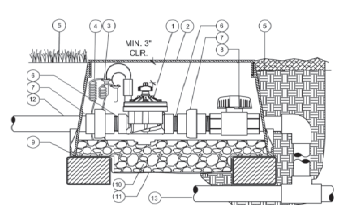
NOTE:

ON-SURFACE DRIPLINE OPERATIONAL INDICATOR



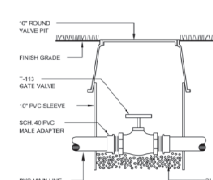
NOTE:
1. RAIN BIRD XEPH-POPCOW SPRUCE THE
NOZZLES
2. SQUARE NOZZLES (FORMERLY X
3. SERIES WPR NOZZLES-ALL
CONFIGURATIONS)
4. SERIES PLASTIC BUNNERS

XERI-POP MICRO SPRAY



ELECTRIC REMOTE CONTROL VALVE

- 1 ELECTRIC CONTROL VALVE WITH
FLOW CONTROL - PIRI PLAN
- 2 IRRIGATION VALVE SIDE HEAT
STAMPED WITH "R202" IN Z"
LETTERS
- 3 WATERPROOF CONNECTORS (2)
- 4 1/4" S" COILED WIRE TO
CONTROLLER
- 5 FIBER/FABRIC ADJ. WORKING
SURFACE ("WIP" OR "MULCH")
- 6 5/4 - 8" BUSH END, SIZE PER
R20
- 7 PVC BLUF. IFF. FCT. 1/2" FPT UNION
- 8 ISOLATION VALVE, LINE SIZE
- 9 BRICK SUPPORTS (3)
- 10 FILTER/FABRIC - NAP TWICE
AROUND BRICK SUPPORTS
- 11 3/4" WASHED GRAVEL - 4" MIN.
DEPTH
- 12 IRRIGATION LATERAL
- 13 MAINLINE AND FITTINGS



ISOLATION GATE VALVE

[illegible]

DRAWN BY: LAL
REVIEW BY: LAL

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22248.01

GENERAL NOTES:

- ALL ELECTRICAL WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH ALL GOVERNING CODES AND STANDARDS. THIS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
 - NFPA 70 NATIONAL ELECTRICAL CODE (2017)
 - NFPA 72 NATIONAL FIRE CODE (2016)
 - NFPA 101 - LIFE SAFETY CODE (2018)
 - FLORIDA FIRE PREVENTION CODE (2020)
 - FLORIDA BUILDING CODE (2020)
 - LOCAL REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION
- ELECTRICAL OUTLETS OR BOXES LOCATED ON OPPOSITE SIDES OF RATED WALLS OR PARTITIONS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24 INCHES UNLESS FIRE RATED ELECTRICAL BOXES OR FIRE RATED INTENSIFIED PUTTY PADS ARE USED.
- SEE ELECTRICAL SPECIFICATIONS ON SHEET E-0.2 FOR SPEC DETAILS.
- CONTRACTOR TO COORDINATE AVAILABLE FAULT CURRENT WITH POWER COMPANY AND SGM ENGINEERING. CONTRACTOR TO SUBMIT EQUIPMENT SHOWING EQUIPMENT MEETS ALLOWABLE FAULT CURRENT.
- CONTRACTOR TO SUBMIT OUT SHEETS SHOWING SERIES RATING TO PLANS REVIEWER.
- CONTRACTOR TO PROVIDE OUT SHEETS FOR MAINS AND METER CENTERS TO PLANS REVIEWER.
- CONTRACTOR TO SUBMIT ELEVATOR SHAFT ELECTRICAL LAYOUT.
- FIRE ALARM SHOWN FOR REFERENCE ONLY.

ELECTRICAL LEGEND

NOTE: NOT ALL SYMBOLS MAY BE USED

POWER DEVICES

	SIMPLEX RECEPTACLE
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	GFCI RECEPTACLE
	ABOVE COUNTER GFCI RECEPTACLE
	WEATHERPROOF GFCI RECEPTACLE WITH FLUSH MOUNT COVER
	USB 4-IN-1 TYPE RECEPTACLE
	DUPLEX RECEPTACLE, HALF SWITCHED
	SINGLE 200V NON-LOCKING TYPE RECEPTACLE
	DUPLEX RECEPTACLE FOR TV, COORDINATE HEIGHT AND LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH IN
	CEILING MOUNTED RECEPTACLE
	FLOOR MOUNTED RECEPTACLE
	FLOOR OUTLET WITH POWER & DATA
	DISCONNECT SWITCH, NUMBER OF POLES AND RATING AS INDICATED ON PLANS
	JUNCTION BOX
	PULL BOX
	EQUIPMENT CONNECTION
	TRANSFORMER
	JUNCTION BOX, FAN RATED
	BFC
	GROUND BUS BAR
	80°C x 30% GROUND ROD WITH TEST INSPECTION WELL
	UTILITY TRANSFORMER

LOW VOLTAGE DEVICES

	GARAGE DOOR KEYPAD
	GARAGE DOOR OPENER

ABBREVIATIONS

		EXIST	EXISTING	in	METER																																																						
AF	AMPERES	EXP	EXPLOSION PROOF	mm	MILLIMETER																																																						
AF	ABOVE FINISHED CEILING	FA	FIRE ALARM	MAX	MAXIMUM																																																						
AF	ABOVE FINISHED FLOOR	FLA	FULL LOAD AMPERES	MCB	MAIN CIRCUIT BREAKER																																																						
AC	ABOVE FINISHED GRADE	F	FLOURESCENT	MFR	MANUFACTURER																																																						
	AMPERES INTERRUPTING CAPACITY	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	MH	METAL HALIDE																																																						
AL	ALUMINUM			MM	MINIMUM																																																						
AWG	AMERICAN WIRE GAUGE	GFP	GROUND FAULT PROTECTION	MSC	MOUNTED																																																						
BFC	BELOW FINISHED CEILING	OND	HEIGHT	MTD	MOUNTING																																																						
BFG	BELOW FINISHED GRADE	HGT	HEIGHT	MTG	MOUNTING																																																						
C	CONDUIT	ND	HIGH INTENSITY DISCHARGE	NEC	NATIONAL ELECTRICAL CODE																																																						
CAB	CABINET	HPS	HIGH PRESSURE SODIUM	PNL	PANEL																																																						
CRT	CIRCUIT	HQA	HAND-OFF-AUTOMATIC	PS	PULL STATION INSIDE																																																						
CLG	CEILING	HP	HORSEPOWER	PVC	POLYVINYL CHLORIDE																																																						
CL	CENTERLINE	HV	HEATING/VENTILATING/ AIR CONDITIONING	RCP	RECEPTACLE																																																						
CTA	CURRENT TRANSFORMERS	HVC	HIGH VOLTAGE	RGS	RIGID GALVANIZED STEEL																																																						
CU	COPPER	INC	INCANDESCENT	SPO	SURGE PROTECTION DEVICE																																																						
DISC	DISCONNECT ING	JB	JUNCTION BOX	TEL	TELEPHONE </tr <tr><td>DWG</td><td>DRAWING S</td><td>W</td><td>WATTS</td><td>TYP</td><td>TYPICAL</td></tr> <tr><td>EA</td><td>EACH</td><td>UN</td><td>UNLESS OTHERWISE NOTED</td><td>UON</td><td>UNLESS OTHERWISE NOTED</td></tr> <tr><td>ECB</td><td>ENCLOSED CIRCUIT BREAKER</td><td>USB</td><td>KILO-VOLTS-AMPERES</td><td>USB</td><td>RECEPTACLE WITH USB PORT</td></tr> <tr><td>EF</td><td>EXHAUST FAN</td><td>WAR</td><td>KILO-VOLTS-AMPERES REACTIVE</td><td>V</td><td>VOLTS</td></tr> <tr><td>EHT</td><td>ELECTRICAL METALLIC TUBING</td><td>WH</td><td>KILO-WATT-HOURS</td><td>VA</td><td>VOLTS-AMPERES</td></tr> <tr><td>EQUIP</td><td>EQUIPMENT</td><td>WTG</td><td>WEIGHT</td><td>W</td><td>WATTS</td></tr> <tr><td>EHU</td><td>ELECTRIC UNIT HEATER</td><td>WHR</td><td>WATT-HOURS</td><td>WPR</td><td>WEATHER PROOF TRANSFORMER</td></tr> <tr><td>EW</td><td>ELECTRIC WATER COOLER</td><td></td><td></td><td></td><td></td></tr> <tr><td>EW</td><td>ELECTRIC WATER HEATER</td><td></td><td></td><td></td><td></td></tr>	DWG	DRAWING S	W	WATTS	TYP	TYPICAL	EA	EACH	UN	UNLESS OTHERWISE NOTED	UON	UNLESS OTHERWISE NOTED	ECB	ENCLOSED CIRCUIT BREAKER	USB	KILO-VOLTS-AMPERES	USB	RECEPTACLE WITH USB PORT	EF	EXHAUST FAN	WAR	KILO-VOLTS-AMPERES REACTIVE	V	VOLTS	EHT	ELECTRICAL METALLIC TUBING	WH	KILO-WATT-HOURS	VA	VOLTS-AMPERES	EQUIP	EQUIPMENT	WTG	WEIGHT	W	WATTS	EHU	ELECTRIC UNIT HEATER	WHR	WATT-HOURS	WPR	WEATHER PROOF TRANSFORMER	EW	ELECTRIC WATER COOLER					EW	ELECTRIC WATER HEATER				
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TELEVISION DISTRIBUTION SYSTEM

	TELEVISION COAXIAL OUTLET
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MISCELLANEOUS SYMBOL LEGEND

TITLE	DETAIL NUMBER
	METAL TITLE REFERENCE
	SHEET NUMBER WHERE DETAIL IS REFERENCED
	ADDITIONAL SHEET REFERENCES
	DETAIL NUMBER
	SHEET NUMBER TO WHERE DETAIL IS REFERENCED

LIGHTING FIXTURES

	1/4 1/4 OR 1/4 8 STRIP LUMINAIRE/EMERGENCY
	1/4 1/4 FLUORESCENT LUMINAIRE, CEILING/WALL
	2x2 FLUORESCENT LUMINAIRE
	1/4 1/4 FLUORESCENT LUMINAIRE, BATTERY/EMERGENCY
	2x2 FLUORESCENT LUMINAIRE, BATTERY/EMERGENCY
	TRACK LUMINAIRE
	CEILING MOUNTED LUMINAIRE, BATTERY/EMERGENCY
	CEILING LUMINAIRE, WALL WASH
	WALL MOUNTED LUMINAIRE, BATTERY/EMERGENCY
	LIGHTING FIXTURE, CEILING MOUNTED
	EMERGENCY LIGHT LUMINAIRE
	SINGLE FACE EXIT LIGHT ARROW INDICATES DIRECTION OF EGRESS
	DOUBLE FACE EXIT LIGHT ARROW INDICATES DIRECTION OF EGRESS
	POLE MOUNTED SITE LIGHTING LUMINAIRE
	RECTANGLES INDICATE NUMBER OF FIXTURES
	POST TOP SITE LIGHTING LUMINAIRE
	BOLLARD OR PENDANT LUMINAIRE, EMERGENCY
	"DARKROOM IN "USE" SIGN
	CEILING FAN

SWITCHES

	SWITCH
	SWITCH, 2 POLE
	FIRE ALARM MINI-HORN
	SWITCH, 3-WAY
	FIRE ALARM COMBINATION HORN/STROBE DEVICE
	SWITCH, 4-WAY
	75 CANDELA MINIMUM, 110 CANDELA WHERE NOTED
	SWITCH, DIMMER
	FIRE ALARM STROBE ONLY, 75 CANDELA MINIMUM
	SWITCH, KEY SWITCH
	130° HEAT DETECTOR
	SWITCH LOWER CASE LETTERS MARK FIXTURES CONTROLLED BY THAT SWITCH
	MOTOR RATED SWITCH
	LOW VOLTAGE SWITCH, WHERE "V" REPRESENTS THE NUMBER OF BUTTONS REQUIRED, WATSTOPPER LV99-100 OR EQUAL
	MOMENTARY SWITCH

FIRE ALARM SYSTEM DEVICES

	MANUAL FIRE ALARM PULL STATION
	MONITOR MODULE
	WEATHERPROOF WATER FLUSH SWITCH FOR CONNECTION TO FIRE SPRINKLER SYSTEM
	WALL DATA OUTLET, INSTALL (2) DEDICATED HORN/RUN (4) PAIR CA 16, SURFACE MOUNTED AT 18" ABOVE FINISHED FLOOR TO TOP OF BACKBOX, # IS THE NUMBER OF DATA OUTLETS PER BOX
	COMBINATION DATA / VIDEO WALL DATA OUTLET, COORDINATE MOUNTING HEIGHT WITH ID / DESIGNER / ARCHITECT
	FIRE DEPARTMENT TWO-WAY COMMUNICATION PHONE OUTLET, COORDINATE WITH FIRE DEPARTMENT FOR MOUNTING HEIGHT
	TELEPHONE OUTLET, MOUNTED @ 18" AFF, TO CENTER
	COMBINATION TELEPHONE/TV OUTLET, MOUNTED AT 18" AFF, TO CENTER

POWER DISTRIBUTION

	120/208V PANELBOARD, SURFACE MOUNT
	120/208V PANELBOARD, RECESSED
	HOMERUN CONSISTING OF ONE SINGLE-PHASE, 1-POLE CIRCUIT: 2 12 AWG + 1 12 AWG GND IN 3/4" CONDUIT, UNLESS OTHERWISE NOTED. PANELBOARD AND CIRCUIT DESIGNATIONS ARE INDICATED.
	HOMERUN CONSISTING OF ONE SINGLE-PHASE, 2-POLE CIRCUIT: 2 12 AWG + 1 12 AWG GND IN 3/4" CONDUIT, UNLESS OTHERWISE NOTED. PANELBOARD AND CIRCUIT DESIGNATIONS ARE INDICATED.

NOTE: ALL SYMBOLS MAY NOT BE USED.

FIRE ALARM SYSTEM DEVICES

	ELECTROMAGNETIC DOOR HOLDER/RELEASE
	PULL STATION INSIDE. SEE DETAIL
	KNOB/Run WITH TAPER SWITCH MOUNTED 8" TO 12" ABOVE FINISHED GRADE
	FIRE ALARM CONTROL UNIT "FACU"
	FIRE ALARM ANNUNCIATOR PANEL "FAAP"
	FIRE ALARM TERMINAL CABINET "FATC", NEMA 1 RATED
	FIRE ALARM CONTROL PANEL "FACP"
	VOICE EVACUATION PANEL "EVAC"

Lighting Fixture Schedule						
Type Mark	Manufacturer	Model	Description	Voltage	Wattage	Comments
A	LITHONIA LIGHTING	2BLT2 33L ADP LPB35	2x2 HIGH PROFILE LED	120 V	26 W	
B	LITHONIA LIGHTING	2BLT4 4BL ADP LPB35	2x4 HIGH PROFILE LED	120 V	38 W	
C	LITHONIA LIGHTING	ZONE 3515 LGAR LESS MVOLET E210	8" OPEN END WALL WASH LED	120 V	44 W	
D	FLUXWERX	WU1-B-B-C-35-A-04-G-E1-M-06	SUSPENDED LINEAR FIXTURE	<varies>	29 W	
E	LITHONIA LIGHTING	BLUPH 4BL ADP LPB40	LOW PROFILE LED WRAPAROUND	120 V	35 W	
F	LITHONIA LIGHTING	WST LED P2-40W VV WVOLET DOBWD	EXTERIOR ARCHITECTURAL WALL SCIENCE	120 V	35 W	
K	LITHONIA LIGHTING	LOM 5 W 3 R 120/277 EL N M6	EXIT LIGHT	120 V	2 W	

THE LUNZ GROUP

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SGM # 2023-345



CRAIG W. THOMPSON FL-92233

ELECTRICAL SYMBOLS AND SPECIFICATIONS

FARM CREDIT - APOPKA

515 E 3RD ST.
APOPKA, FL 32703

PREMISE DISTRIBUTION SYSTEM

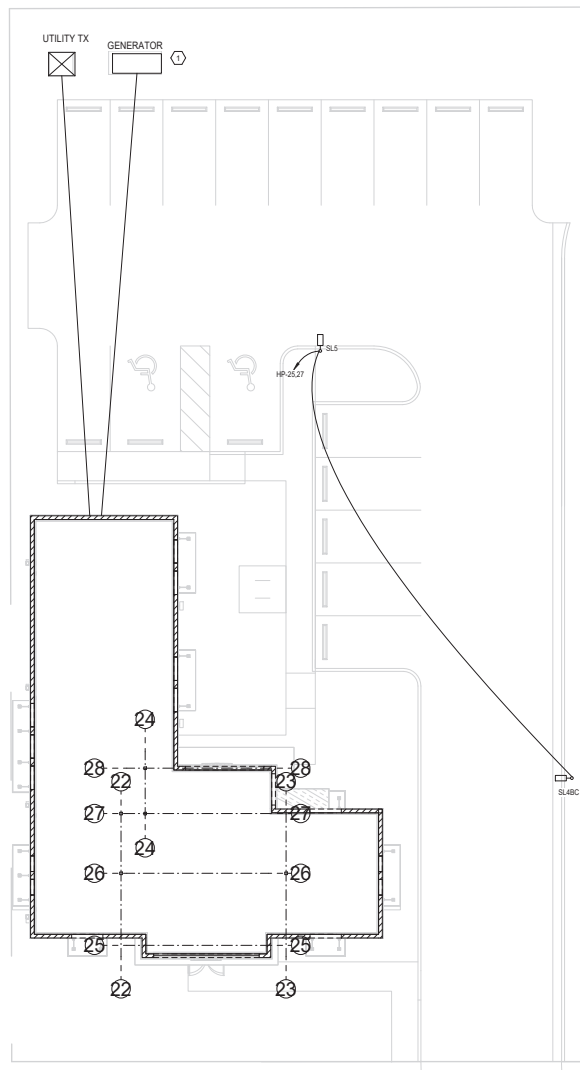
	PHOTOCCELL
	TIMECLOCK
	P1 R/WALL MOUNT SENSOR, LOW TEMP, 24 VDCAC, 20mA, WATSTOPPER DP-180 OR EQUAL
	P2 R/WALL MOUNT SENSOR, 24 VDCAC, 11mA, WATSTOPPER C1205 OR EQUAL
	D UL ULTRASONIC/PRP-CEILING MOUNT SENSOR, 24 VDCVAC, 35mA, WATSTOPPER DT-300 OR EQUAL
	DJ AL ULTRASONIC/PRP-WALL MOUNT SENSOR, 24 VDCVAC, 35mA, WATSTOPPER DT-300 OR EQUAL
	UL1 RASOIC-CEILING CORRIDOR MOTION SENSOR, 24 VDCVAC, 40mA, WATSTOPPER WT-2250 OR EQUAL
	PR-WALL SWITCH DECORATOR MOTION SENSOR, 120/277 VAC, 800/1200W, WATSTOPPER PW-150 OR EQUAL
	DUAL ULTRASONIC/PRP-WALL SWITCH DECORATOR MOTION SENSOR, 120/277 VAC, 800/1200W, WATSTOPPER DW-100 OR EQUAL
	DUAL ULTRASONIC/PRP-DUAL WALL SWITCH DECORATOR MOTION SENSOR, 120/277 VAC, 800/1200W, WATSTOPPER DW-200 OR EQUAL
	UL 824 LISTED FA-SAFE EMERGENCY SWITCHING RELAY, LVPS EPCA OR EQUAL, LOWER CASE LETTER NEXT TO DEVICE INDICATES SWITCH/LEG CONTROLLED
	POWER PACK 120/277 VAC, 20 AMPS, 225mA SECONDARY, WATSTOPPER B2-150 OR EQUAL
	F OR LOW VOLTAGE OCCUPANCY SENSORS, PROVIDE POWER PACK S, 120/277 VAC, 20 AMPS, 225mA SECONDARY & AS NEEDED FOR ZONE/AREA CONTROL, WATSTOPPER B2-150 OR EQUAL
	3/4" PLYWOOD BACKBOARD, BY DIVISION 16

IF YOU REQUIRE FURTHER CLARIFICATION OF WHAT THIS DOCUMENT REPRESENTS, PLEASE CONTACT THE AIA COORDINATOR OF CITY OF APOPKA AT 407-933-7070.

22248.01

E-001

ELECTRICAL SITE PLAN



GENERAL NOTES - SITE

- a NO LIGHTS SHALL BE INSTALLED IF THERE ARE OBVIOUS CONFLICTS ON SITE. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR REVIEW.
 - b ANY PROPOSED LIGHTING SUBSTITUTIONS MUST BE SUBMITTED FOR OWNER AND/OR OWNERS REPRESENTATIVE APPROVAL PRIOR TO PURCHASE AND INSTALLATION. PHOTOMETRICS MUST BE INCLUDED WITH ANY SITE LIGHTING SUBSTITUTIONS.
 - c REFER TO LANDSCAPE ARCHITECT PLANS FOR LIGHTING TYPE AND LIGHT FIXTURE LOCATION.
 - d ALL SITE LIGHTING SHALL BE 2 #10 THW, 1 #10 GND, 3/4" CONDUIT UNLESS NOTED OTHERWISE.
 - e ALL EXTERIOR BUILDING AND SITE LIGHTS ARE TO BE ON PHOTOCELL CONTROL.
- VERIFY EXACT LOCATIONS OF TRANSFORMERS WITH LOCAL POWER COMPANY. COORDINATE EXACT LOCATION OF TRANSFORMERS, METER CENTERS AND CT CABINETS PRIOR TO ROUGH-IN.

PLAN KEYNOTES:

- 1 PROVIDE WEATHER PROTECTED ENCLOSURE FOR THE GENERATOR. SEE GENERATOR DETAILS ON SHEET E-501.

ELECTRICAL EQUIPMENT HAS BEEN RELOCATED / CHANGED
BASED ON BACKGROUND CHANGE.

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FARM CREDIT - APOPKA

57 E 3RD ST.
APOPKA, FL 32703

ELECTRICAL SITE PLAN

[illegible]

DRAWN BY: Author
REVIEW BY: Checker

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E-101

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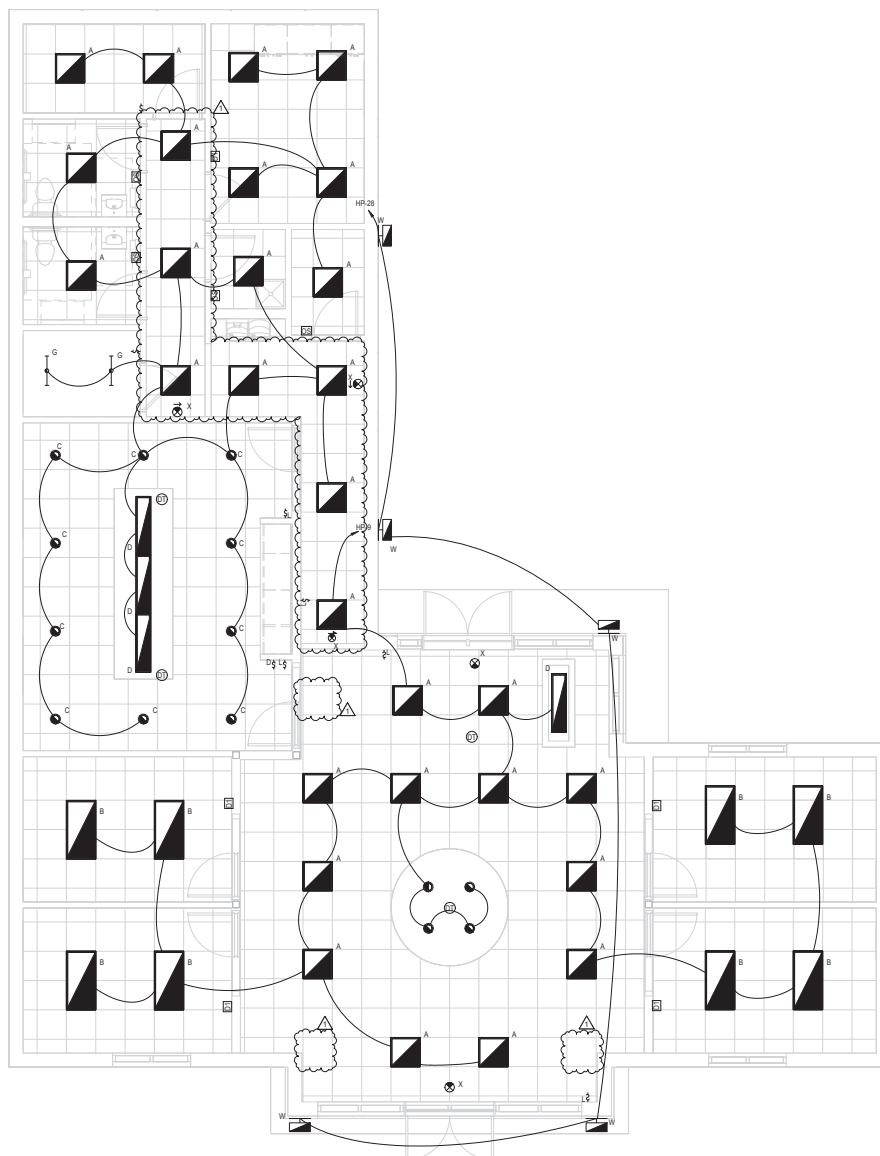
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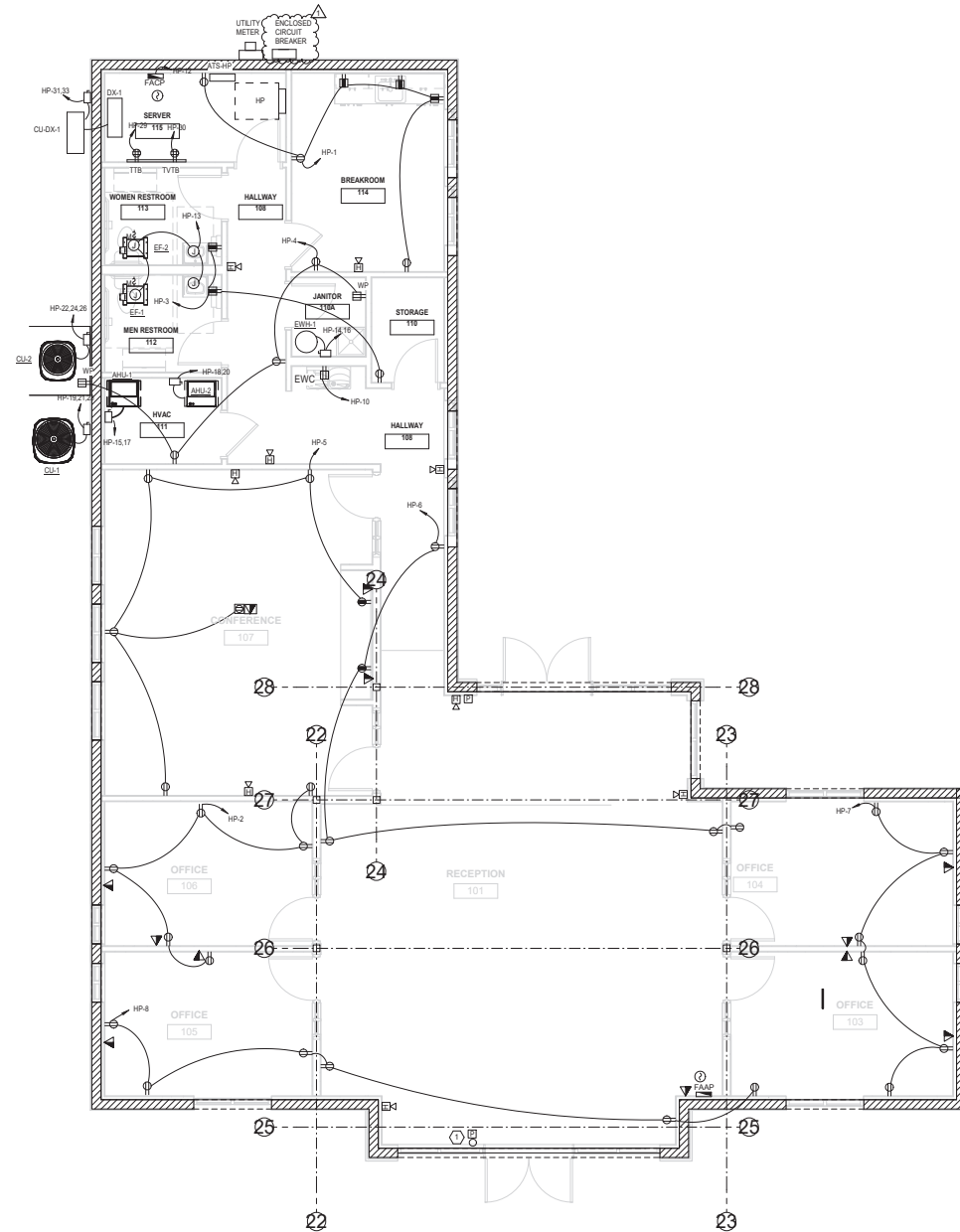
Client Name: _____
Created By: _____ Date: _____

TYPICAL WEIGHT AND ALLOWABLE SIZE OF LUMINAIRSES*				DIMENSIONS OF POLES						
TYPICAL DOWNROPE LENGTHS	DOWNROPE WEIGHT (LBS.)	ALLOWABLE SIZE OF LUMINAIRSES				EXPOSED DOWNROPE LENGTH (FT.)	TYPICAL DOWNROPE WEIGHT (LBS.)	TYPICAL DOWNROPE LENGTH (FT.)	TOP RAIL	MOBIL NOMINAL WEIGHT (LBS.)
		60 INCHES	80 INCHES	100 INCHES	120 INCHES					
8	75	91.4	11.1	8.8	7.1	7.1"	10"	3"	4"	125' 078-3000SI
14	138	10.6	8.2	6.5	5.2	7.1"	10"	3"	4"	125' 078-3000SI
18	175	11.0	8.0	6.4	4.5	7.1"	10"	3"	4"	125' 078-3000SI
22	212	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
26	250	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
30	287	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
34	325	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
38	362	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
42	400	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
46	437	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
50	475	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
54	512	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
58	550	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
62	587	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
66	625	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
70	662	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
74	700	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
78	737	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
82	775	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
86	812	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
90	850	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
94	887	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
98	925	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
102	962	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
106	1000	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
110	1037	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
114	1075	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
118	1112	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
122	1150	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
126	1187	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
130	1225	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
134	1262	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
138	1300	10.6	7.8	6.2	4.3	7.1"	10"	3"	4"	125' 078-3000SI
142	1337	10.6	7.8	6.2	4.3	7.1"	10"			

ELECTRICAL DETAILS - PHOTOMETRICS

ELECTRIC





GENERAL NOTES

- REFER TO SYMBOL LEGEND ON SHEET E-001.
- REFER TO BOOK SPECIFICATIONS.
- REFER TO ARCHITECTURAL INTERIOR ELEVATIONS TO COORDINATE THE EXACT PLACEMENT OF ALL DEVICES, EQUIPMENT, FIXTURES, SWITCHES, LIGHTING AND OUTLETS.
- REFER TO EQUIPMENT SCHEDULES FOR DISCONNECT, CONDUIT AND WIRE SIZES.
- PLANS ARE DIAGNOSTIC IN NATURE. CEILING AND WALL MOUNTED DEVICES ARE SHOWN IN APPROXIMATE LOCATIONS. REFER TO ARCHITECTURAL CEILING PLANS AND ELEVATIONS. COORDINATE WITH ALL OTHER TRADES PRIOR TO ROUGH-IN.
- MAINTAIN A CLEARANCE OF AT LEAST 3'-0" IN FRONT OF THE ELECTRICAL PANELS.
- COORDINATE AC PANO LOCATIONS WITH ARCHITECTURAL SITE PLAN.
- ALL EXTERIOR LIGHTING TO BE CONTROLLED VIA PHOTOCELL ON PHOTOCELL OFF.

PLAN KEYNOTES:

- PROVIDE STANCHION POST FOR PULL STATION.

ELECTRICAL EQUIPMENT HAS BEEN RELOCATED/CHANGED BASED ON BACKGROUND CHANGE.

THE
LUNZ
GROUP

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CA-00005208

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SGM #: 2023-345



CRAIG W. THOMPSON FL-92233

FARM CREDIT - APOPKA

575 E. 3RD ST.
APOPKA, FL 32703

ELECTRICAL POWER AND SYSTEMS PLAN

#	REVISION	DATE

DRAWN BY: Author
REVIEW BY: Checker

DATE: 08/08/2023
BY: 08/08/2023
CHECKED: 08/08/2023

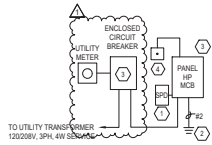
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www.sgm.com

lunz.com

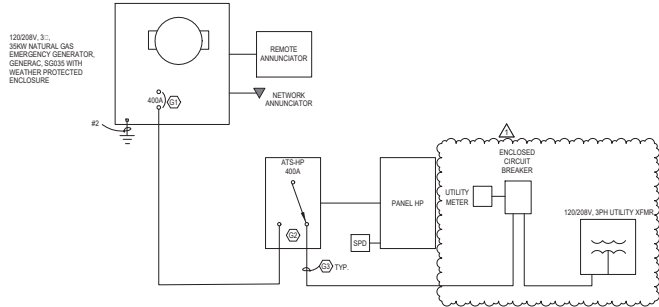
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E-301

IF YOU REQUIRE FURTHER CLARIFICATION OF WHAT THIS DOCUMENT REPRESENTS, PLEASE CONTACT THE AIA COORDINATOR OF CITY OF APOPKA AT 407-703-1700.



POWER RISER - HOUSE PANEL
NOT TO SCALE



EMERGENCY POWER RISER DIAGRAM
NOT TO SCALE

BUILDING RISER KEY NOTES:

1. INSTALL SURGE PROTECTOR OUTSIDE OF MAIN CIRCUIT BREAKER ENCLOSURE.
2. REFER TO TYPICAL GROUNDING DETAIL ON SHEET E-601.
3. REFER TO PANEL CALCULATIONS FOR BREAKER SIZE AND FEEDER SIZE ON SHEET E-601. PROVIDE BRANCH BREAKERS AS REQUIRED FOR SITE AND BUILDING LIGHTING.
4. PROVIDE BREAKER WITH SHUNT TRIP COIL. PROVIDE SHUNT TRIP BREAK GLASS OPERATOR. COORDINATE EXACT LOCATION WITH FIRE DEPARTMENT. PROVIDE A PLAQUE USING SUITABLE GRAPHICS OR TEXT DESCRIBING ALL SERVICE DISCONNECT LOCATIONS FOR ALL SUPPLY CHARACTERISTICS. LOCATE ON THE BUILDING OR STRUCTURE SERVED AND AS NEAR AS PRACTICAL TO THE POINT S OF ENTRY FOR EACH SERVICE. COORDINATE WITH AIA.

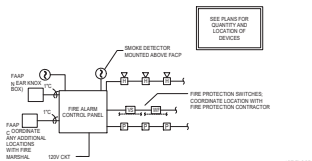
GENERATOR GENERAL NOTES:

- a. GENERATOR IS IN COMPLIANCE WITH NFPA 110, 2016 EDITION.
- b. GENERATOR IS CLASS 17, LEVEL 1, TYPE 10.

GENERATOR POWER RISER NOTES:

1. INSTANTANEOUS MAGNETIC TRIP CIRCUIT BREAKER FOR SHORT CIRCUIT PROTECTION ONLY. ADJUST TRIP SETTINGS BASED ON MOTOR NAMEPLATE DATA.
2. EXPOSED CONDUIT IN BUILDING TO BE ENCASED IN 2" CONCRETE.

Branch Panel: HP																	
Location: SERVER 115					Volts: 120/208V Wye					A.I.C. Rating: 42,000							
Supply From:					Phases: 3					Main Type: MCB							
Mounting: Recessed					Wires: 4					Main Rating: 400 A							
Enclosure: Type 1										MCB Rating: 400 A							
Notes:																	
CKT	Circuit Description	Load	Trips	Pole #	A	B	C	A	B	C	Pole #	Trips	Load	Circuit Description	CKT		
1	BREAKRM / HVAC RM RECS	R	20 A	1	1.08			1.08			1	20 A	R	OFFICE 105, 106 RECS	2		
3	SERVER ROOM RECS	R	20 A	1		0.54		0.90			1	20 A	R	HALLWAY / JANITOR / STOR.	3		
5	CONFERENCE ROOM RECS	R	20 A	1			1.08		0.90		1	20 A	R	HALLWAY / RECEPTION / OFFICE	6		
7	OFFICE 103, 104 RECS	R	20 A	1	1.08			1.08			1	20 A	R	OFFICE 105, 103, RECEPTION	8		
9	RECEPTION / OFFICE LTG	L	20 A	1		0.85		1.00			1	20 A	R	EWG	10		
11	STOR HALLWAY / OFFICE LTG	L	20 A	1			0.94			0.50	1	20 A	E	FIRE ALARM CONTROL PANEL	12		
13	BATHROOM MOTION ACTIVATION	E	20 A	1	0.40			1.25			2	15 A	E	EWG-1	14		
15															16		
17	AHU-1	H	60 A	2		4.40			4.40	1.25			2	40 A	H	AHU-2	18
19																20	
21	CU-1	H	30 A	3		0.00			3.30							22	
23								0.00		0.00						24	
25	SITE LIGHTING	L	20 A	2	0.09			0.00		0.00		3	20 A	H	CU-2	26	
27								0.09		0.15		1	20 A	L	LIGHTING - EXTERIOR	28	
29	TB	R	20 A	1			1.00			1.00		1	20 A	R	TVTB	30	
31	DX-1	H	15 A	2	1.00											32	
33								1.00								34	
35																36	
37																38	
39																40	
41																42	
43																44	
45																46	
47																48	
49										0.00						50	
51																52	
53																54	
Total					10363 VA	10134 VA	13079 VA										
Total					87 A	84 A	109 A										
Legend:																	
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals									
HVAC		17460 VA		100.00%		17460 VA											
Lighting		2117 VA		125.00%		2646 VA											
Receptacle		10740 VA		98.55%		10370 VA		Total Est. Demand: 33714 VA									
Equipment		3400 VA		100.00%		3400 VA		Total Conn. Load: 33573 VA									
								Total Conn. Current: 93 A									
								Total Est. Demand: 94 A									



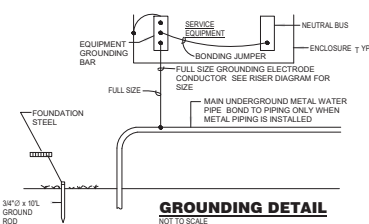
FIRE ALARM RISER DIAGRAM

NOT TO SCALE

1. FIRE ALARM CONTRACTOR SHALL SUBMIT FIRE ALARM PLANS TO THE BUILDING DEPARTMENT FOR APPROVAL WITH ORIGINAL PERMIT DOCUMENTS, PROVIDE CONDUCTOR TYPES AND SIZES, SCHEDULE TYPES AND SIZES, AND EQUIPMENT LITERATURE.
2. ALL COMPONENTS SHALL REFLECT UL FOR FIRE SERVICE USE AND SHALL BE COMPATIBLE.
3. FIRE ALARM SYSTEM SHALL BE IDENTIFIED AS TO WHETHER THEY ARE "POWER LIMITED".
4. CABLE PENETRATION INTO OR THROUGH PLENUM AREAS USED FOR TRANSFER OF ENVIRONMENTAL AIR SHALL BE TESTED TO UL TYPE OR OF AN APPROVED TYPE IN ACCORDANCE WITH SECTION 800.5.3 OF THE NATIONAL ELECTRIC CODE.
5. ALL COMMUNICATION AND POWER LINES TO AND FROM FIRE ALARM CONTROL PANEL TO BE BURIED AND LIGHTNING PROTECTED.
6. MINIMUM WIRE SIZE SHALL BE #14 THIN COPPER IN 120°C (MIN.) PROVIDE LARGER WIRE WHERE REQUIRED TO MAINTAIN VOLTAGE DROP OR SIGNAL STRENGTH WITHIN ACCEPTABLE LIMITS OF NFPA 72, CHAPTER 7.
7. ALL ALARM NOTIFICATION APPLIANCES SHALL MEET REQUIREMENTS OF NFPA 72.
8. BACK-UP POWER FOR FACP IN THE CLUBHOUSE, SHALL BE PROVIDED BY STORAGE BATTERIES WITH CHARGING EQUIPMENT PER NFPA 72, PARAGRAPH 4.4.1.5 REQUIREMENTS. BATTERIES SHALL HAVE SUFFICIENT CAPACITY TO OPERATE THE FIRE ALARM SYSTEM UNDER QUIESCENT LOAD (SYSTEM OPERATING IN A NON-ALARM CONDITION) FOR A MINIMUM OF 24 HOURS AND, AT THE END OF THAT PERIOD, SHALL BE CAPABLE OF OPERATING ALL ALARM NOTIFICATION APPLIANCES USED FOR EVACUATION OR TO DIRECT AID TO THE LOCATION OF AN EMERGENCY FOR 15 MINUTES.
9. A PUBLIC SAFETY RADIO ENHANCEMENT SYSTEM SHALL BE PROVIDED IN A NEW BUILDING WHERE MINIMUM RADIO STRENGTH FOR FIRE DEPARTMENT COMMUNICATIONS IS NOT ACHIEVED AT A LEVEL DETERMINED BY THE AHA. NFPA 11.10 AFTER SUBSTANTIAL COMPLETION OF THE BUILDING CONSTRUCTION, FIRE DEPARTMENT COMMUNICATIONS TESTING WILL OCCUR TO DETERMINE RADIO COVERAGE AND WHAT SYSTEM COMPONENTS AND ENHANCEMENTS WILL BE NEEDED. PLANS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.
10. COORDINATE ALARM TRANSMITTER, RADIO WITH LOCAL ALARM, WITH RESPONDING COMPANY.

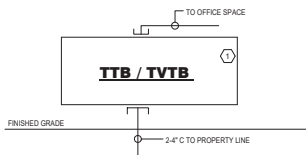
FIRE ALARM SYSTEM DESCRIPTION

- A. GENERAL**
1. ADDRESSABLE FIRE ALARM SYSTEM AND ITS COMPONENTS AND SYSTEM OPERATIONS SHALL ALSO MEET THE APPROVAL OF THE LOCAL FIRE DEPARTMENT.
- B. FUNCTIONS**
1. ACTUATION OF ANY ALARM INITIATING DEVICE SHALL NOTIFY THE CONTROL PANEL, REMOTE ANNUNCIATORS, AND MAIN FIRE ALARM CONTROL PANEL, OF ENTIRE SITE OF ADDRESSABLE DEVICE LOCATION.
 - a. OPERATE ALL AUDIBLE AND VISUAL ALARM SIGNALS.
 - b. AUDIBLE DEVICES MUST NOTIFY BUILDING OCCUPANTS IN ACCORDANCE WITH ANSI S3.41, "AUDIBLE EMERGENCY EVACUATION SIGNAL".
 - c. HAVE PROVISIONS TO TRANSMIT FIRE ALARM SIGNAL TO THE LOCAL FIRE DEPARTMENT VIA TELEPHONE LINES.
 2. IT SHALL BE POSSIBLE TO SILENCE THE ALARM SIGNALS BEFORE OPERATING THE RESET SWITCH BY DEPRESSING THE SIGNAL SILENCE SWITCH. HOWEVER, WITH THE SIGNALS SILENCED SUBSEQUENT ALARMS WILL RESPOND TO THE SIGNALS.
 3. POWER FAILURE, OPEN, GROUNDS OR ANY DISARRANGEMENT OF SYSTEM WIRING OR COMPONENTS SHALL BE INDICATED BY A VISUAL AND AUDIBLE TROUBLE SIGNAL AT REMOTE ANNUNCIATORS AND THE FIRE CONTROL PANEL. THE TROUBLE SIGNAL MAY BE SILENCED, BUT THE TROUBLE LIGHT MUST REMAIN ILLUMINATED UNTIL THE SYSTEM HAS BEEN RETURNED TO NORMAL. AT NO TIME THE TROUBLE SIGNAL SHALL RESOUND UNTIL THE TROUBLE SILENCE SWITCH HAS BEEN RETURNED TO THE NORMAL POSITION.
- C. EQUIPMENT**
1. FIRE ALARM CONTROL PANEL SHALL BE LOCATED AS INDICATED ON THE DRAWINGS.
 2. FIRE ALARM HORN/LIGHT UNITS SHALL BE SURFACE MOUNTED WITH RED FINISH OR STAINLESS STEEL TRIM. LIGHT LENS SHALL BE SILK SCREENED WITH THE WORD "FIRE" IN RED LETTERING.
 3. PULL STATIONS SHALL BE NON-CODED, MANUALLY OPERATED, DOUBLE ACTION TYPE.
 4. PROVIDE WEATHERPROOF COVERS FOR ALL PULLSTATIONS EXPOSED TO RAIN.
 5. RESIDENTIAL UNIT HORNS SHALL BE FLUSH MOUNTED IN A SINGLE GANG BOX WITH A RED FINISH.
 6. PHOTOELECTRIC SMOKE DETECTOR AS SHOWN ON THE PLANS SHALL BE OF THE SOLID STATE PHOTOELECTRIC TYPE UTILIZING A STABLE LED LIGHT SOURCE AND A SILICON PHOTO DIODE AS THE RECEIVING ELEMENT TO FORM A HIGHLY ACCURATE MEANS OF SMOKE DETECTION. REGARDLESS OF SENSITIVITY SETTING, THE DETECTOR'S STABILITY SHALL BE UNAFFECTED BY HIGH AIR VELOCITY. NO RADIOACTIVE MATERIAL SHALL BE USED.
 7. HEAT DETECTORS SHALL BE 135 DEGREES FIXED TEMPERATURE WITH RATE OF RISE FEATURE.
 8. RESIDENTIAL UNIT SMOKE DETECTORS SHALL BE PHOTOELECTRIC TYPE WITH LOCAL ALARM SUITABLE FOR 120VAC OPERATION WITH BATTERY BACK-UP FEATURE. SMOKE DETECTORS SHALL BE INTERCONNECTED SO THAT ACTUATION OF A SINGLE DETECTOR SHALL ALARM ALL DETECTORS WITHIN THAT LIVING UNIT.
 9. PROVIDE AN APPROVED DIGITAL COMMUNICATOR TO TRANSMIT THE FIRE ALARM AND SUPERVISORY SIGNALS TO A CENTRAL STATION. THE DIGITAL COMMUNICATOR SHALL BE UL AND FM LISTED FOR FIRE REPORTING TO A CENTRAL STATION AND SHALL CONFORM TO THE REQUIREMENTS IN NFPA 72.
 10. FIRE ALARM SYSTEMS WIRING, ALARM INITIATING CIRCUITS SHALL BE 18 AWG STRANDED OR LARGER, WITH 7 STRANDS MAXIMUM, OR 14 AWG SOLID. ALARM INDICATING CIRCUITS SHALL BE 14 AWG SOLID OR LARGER. INSTALL PER MANUFACTURERS WIRING DIAGRAMS.
 11. PROVIDE SURGE PROTECTION ON ALL FACP POWER CIRCUITS AND ALL COMMUNICATIONS LINES BETWEEN BUILDINGS AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER. SURGE PROTECTION TO BE UL LISTED.



GROUNDING DETAIL

NOT TO SCALE



TTB / TVTB TELEPHONE RISER DIAGRAM

NOT TO SCALE

TTB / TVTB TELEPHONE RISER DIAGRAM NOTES: (1)

1. 4" x 8" x 3/4" PL WOOD TELEPHONE TERMINAL BOARD FROM TVTB TO PROVIDE 30' TYPICAL GREEN WIRE TO BUILDING GROUNDING SYSTEM AND LEAVE 6" COIL OF WIRE ATT TVTB / TTB LOCATION.

THE LUNZ GROUP

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CA-00000208

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SGM #: 2023-345



CRAG W. THOMPSON FL-92233

FARM CREDIT - APOPKA

57 E 380 ST
APOPKA, FL 32703

ELECTRICAL DETAILS

#	REVISION	DATE

DRAWN BY: Author
REVIEW BY: Checker

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M: 888-788-7888
E: 888-788-7888

lunz.com

22248.01

E-801

CONSTRUCTION SITE PLANS LUX CARWASH - APOPKA 1752, 1760, 1788 & 1774 ROCK SPRINGS ROAD

OWNER: SABAL HOSPITALITY GROUP, INC.
7276 INTERNATIONAL DRIVE
ORLANDO, FL 32819
PHONE: 407-492-0893
EMAIL: JACK@GPMHOSPITALITY.COM

APPLICANT: SABAL HOSPITALITY GROUP, INC.
7276 INTERNATIONAL DRIVE
ORLANDO, FL 32819
PHONE: 407-492-0893
EMAIL: JACK@GPMHOSPITALITY.COM

ARCHITECT: RABITS & ROMANO ARCHITECTURE
5205 S. ORANGE AVENUE, SUITE 200
ORLANDO, FL 32809
PHONE: 407-490-0350
EMAIL: FULVIO@RABITSROMANO.COM

GEOTECHNICAL: UNIVERSAL ENGINEERING SCIENCES
3532 MAGGIE BOULEVARD
ORLANDO, FL 32811
PHONE: 407-423-0504
EMAIL: AWILDEROTTER@UNIVERSALENGINEERING.COM

SURVEYOR: CANVAS LAND SURVEYING
1650 OAK VALLEY DRIVE
LONGWOOD, FL 32750
PHONE: 321-689-5330
EMAIL: LUKE@CANVASLANDSURVEYING.COM

PERMITTING AGENCIES

CITY OF APOPKA - SITE DEVELOPMENT PLAN
SJRWMD - ENVIRONMENTAL RESOURCE PERMIT
ORANGE COUNTY - RIGHT-OF-WAY PERMIT
FDEP - NPDES, WATER, AND SEWER

UTILITY COMPANIES

WATER	CITY OF APOPKA	407-703-1731
SEWER	CITY OF APOPKA	407-703-1731
ELECTRIC	DUKE ENERGY	407-629-1010
FIBER, TELEPHONE	CENTURYLINK	850-599-1444
CATV, FIBER, TELEPHONE	CHARTER COMMUNICATIONS	407-532-8520
FIBER	ZAYO GROUP (FKA LIGHTWAVE, LLC)	406-496-6510
NATURAL GAS	LAKE APOPKA NATURAL GAS DISTRICT	407-656-2734

PARCEL I.D. No. 33-20-28-0000-00-033,
33-20-28-0000-00-034, 33-20-28-0000-00-042,
33-20-28-0000-00-048

SITE VICINITY MAP



SCALE: 1" = 1000'

ORANGE COUNTY PERMIT NUMBER: 23-E-108

PROJECT DESCRIPTION:

THE PROJECT WILL INCLUDE A 5,072 SF AUTOMATIC CARWASH FACILITY ALONG WITH THREE (3) PAY STATIONS, SIX (6) PRE-RINSE STATIONS, TWENTY-NINE (29) VACUUM SPACES, THREE (3) EMPLOYEE SPACES, EIGHTEEN (18) PARKING SPACES FOR FUTURE DEVELOPMENT, MASTER STORM-WATER MANAGEMENT SYSTEM, MASTER WATER AND SEWER INFRASTRUCTURE, TWO (2) FUTURE RETAIL LOTS, AND A MASTER LIFT STATION.

PLAN INDEX

- C-1 COVER SHEET
- C-2 BOUNDARY AND TOPOGRAPHIC SURVEY (1 OF 2)
- C-3 BOUNDARY AND TOPOGRAPHIC SURVEY (2 OF 2)
- C-4 LEGEND, NOTES AND SPECIFICATIONS
- C-5 STORMWATER POLLUTION PREVENTION AND DEMOLITION PLAN
- C-6 STORMWATER POLLUTION PREVENTION PLAN (NOTES AND DETAILS)
- C-7 OVERALL SITE PLAN
- C-8 SITE GEOMETRY PLAN (1 OF 2)
- C-9 SITE GEOMETRY PLAN (2 OF 2)
- C-10 SITE PAVING, GRADING AND DRAINAGE PLAN (1 OF 2)
- C-11 SITE PAVING, GRADING AND DRAINAGE PLAN (2 OF 2)
- C-12 SITE UTILITY PLAN (1 OF 2)
- C-13 SITE UTILITY PLAN (2 OF 2)
- C-14 VEHICLE TRACKING
- C-15 OFFSITE IMPROVEMENTS PLAN (1 OF 2)
- C-15A OFFSITE IMPROVEMENTS PLAN (2 OF 2)
- C-16 CROSS SECTIONS (1 OF 2)
- C-17 CROSS SECTIONS (2 OF 2)
- C-18 SITE CONSTRUCTION DETAILS
- C-19 SITE CONSTRUCTION & UTILITY CROSSING DETAILS
- C-20 F.D.O.T. M.O.T. INDEX DETAILS 102-600 (1 OF 3)
- C-21 F.D.O.T. M.O.T. INDEX DETAILS 102-600 (2 OF 3)
- C-22 F.D.O.T. M.O.T. INDEX DETAILS 102-600 (3 OF 3) AND 102-613
- C-22A F.D.O.T. M.O.T. INDEX DETAILS 102-613
- C-23 F.D.O.T. M.O.T. INDEX DETAILS 102-602 AND 102-603
- C-24 CITY OF APOPKA UTILITY DETAILS
- C-25 LIFT STATION DETAILS
- L-1 SITE LANDSCAPE PLAN
- L-2 SITE IRRIGATION PLAN
- A100 SITE LIGHTING PLAN/PHOTOMETRIC PLAN
- A101 FLOOR PLAN
- A201 EXTERIOR ELEVATION
- S0.01 RETAINING WALL DESIGN



Engineering the Future

5127 S. Orange Avenue, Suite 200
Orlando, FL 32809
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Fax: 407-895-0325

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REVISED PER CITY COMMENTS	DATE	BY	REVISIONS
REVISED PER CITY COMMENTS	3/6/24	AW	1
REVISED PER CITY COMMENTS	7/24/24	AW	2
REVISED PER CITY COMMENTS	7/29/23	AW	3
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REVISED PER CITY COMMENTS	7/29/23	AW	96
REVISED PER CITY COMMENTS	7/29/23	AW	97
REVISED PER CITY COMMENTS	7/29/23	AW	98
REVISED PER CITY COMMENTS	7/29/23	AW	99
REVISED PER CITY COMMENTS	7/29/23	AW	100

Gregory R. Crawford
Digitally signed by Gregory R. Crawford
Date: 2024.03.01
17:02:05 -0500

1752, 1760, 1774 & 1788 ROCK SPRINGS ROAD, APOPKA, FL 32712
LYING IN SECTION 33, TOWNSHIP 20 SOUTH, RANGE 28 EAST
ORANGE COUNTY, FLORIDA

PROJECT LOCATION
ORANGE COUNTY, FLORIDA

PUMPHREY PARCEL (COMMITMENT NO. T19542GB)
SOUTH 165 FEET OF SOUTHEAST 1/4 OF NORTHWEST 1/4 OF NORTHEAST 1/4 (LESS NORTH 50 FEET OF EAST 186 FEET & LESS WEST 43.7 FEET) & LESS EAST 50 FEET FOR ROAD RIGHT OF WAY & LESS PART TAKEN FOR RIGHT OF WAY IN OFFICIAL RECORDS BOOK 2670, PAGE 375) OF SECTION 33, TOWNSHIP 20 SOUTH, RANGE 28 EAST OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

THE EAST 264 FEET OF THE NORTH 165 FEET OF THE SOUTH 380 FEET OF THE
SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 33,
TOWNSHIP 20 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA. LESS ROAD
RIGHT-OF-WAY ON THE EAST.

BEGIN AT A POINT 1320 FEET NORTH AND 223 FEET WEST OF THE EAST QUARTER CORNER OF SECTION 33, TOWNSHIP 20 SOUTH, RANGE 26 EAST, RUN THENCE WEST 437 FEET, THENCE NORTH 165 FEET, THENCE EAST 437 FEET, THENCE SOUTH 165 FEET TO POINT OF BEGINNING.

FROM THE SOUTHEAST CORNER OF THE NORTHEAST QUARTER OF SECTION 33, TOWNSHIP 20 SOUTH, RANGE 28 EAST, RUN NORTH ALONG THE EAST LINE OF SAID SECTION 1485 FEET TO A POINT OF BEGINNING; THENCE RUN NORTH ALONG THE EAST LINE OF SAID SECTION 165 FEET; THENCE RUN WEST 660 FEET; THENCE RUN SOUTH 165 FEET; THENCE RUN EAST 660 FEET TO THE POINT OF BEGINNING (LESS THE EAST 264 FEET THEREON).

THE NORTH 80 FEET OF THE SOUTH 165 FEET OF THE EAST 183 FEET OF THE SE 1/4 OF THE NE 1/4 OF THE NE 1/4 OF SECTION 33, TOWNSHIP 20 SOUTH, RANGE 28 EAST, LESS THE EAST 50 FEET THEREOF FOR ROAD RIGHT-OF-WAY, ORANGE COUNTY, FLORIDA.

PARCEL OF LAND LYING IN A PORTION THE NORTHEAST ¼/4 OF THE NORTHWEST ¼/4 OF THE NORTHSTATE ¼/4 SECTION 33, TOWNSHIP 20 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
TOWNSHIP 20 SOUTH, SECTION 33, TOWNSHIP 20 SOUTH, RANGE 28 EAST,
ORANGE COUNTY, FLORIDA; THENCE NORTH 01°07'09" EAST ALONG THE EAST LINE
OF SAID NORTHSTATE ¼/4 FOR 1,582.26 FEET TO THE SOUTHWEST CORNER OF THE
SOUTHSTATE ¼/4 OF THE NORTHSTATE ¼/4 OF THE NORTHSTATE ¼/4 SECTION 33;
THENCE NORTH 88°25'11" WEST ALONG SAID SOUTH LINE FOR 70.00 FEET TO
THE WEST END OF WAY OF ROCK SPRINGS ROAD AND POINT OF BEGINNING;
THENCE SOUTH 88°25'11" WEST ALONG SAID WEST LINE FOR 100.00 FEET TO
THE SOUTHWEST CORNER OF THE SAID SOUTHSTATE ¼/4 OF THE NORTHSTATE ¼/4 OF
THE NORTH STATE ¼/4; THENCE NORTH 02°09'26" EAST ALONG THE WEST LINE OF SAID
SOUTHSTATE ¼/4 OF THE NORTHSTATE ¼/4 OF THE NORTHSTATE ¼/4 FOR 319.22
FEET TO THE INTERSECTION OF SAID WEST LINE WITH THE WEST LINE OF THE
AFORSAID WEST RIGHT OF WAY LINE; THENCE ALONG SAID WEST LINE
THE FOLLOWING THREE (3) COURSES: (1) SOUTH 01°07'09" WEST FOR 263.49 FEET
TO THE INTERSECTION OF SAID WEST LINE WITH THE WEST LINE OF THE
SAID POINT OF BEGINNING.

(PUMPHREY PARCEL COMMITMENT NO. T195-4268)

- ANY DEFECT, LIEN, ENCUMBRANCE, ADVORSE CLAIM, OR OTHER MATTER THAT MAY AFFECT FOR THE FIRST TIME IN THE PUBLIC RECORDS OR BE CREATED, ALTERED, EXTENDED, OR EXTINGUISHED ON THE COMMITMENT DATE ON WHICH ALL OF THE SCHEDULE B, PART I, REQUIREMENTS ARE MET. (NON-SURVEY ITEM)
2. STANDARD EXCEPTIONS:
- A. RIGHTS OR CLAIMS OF PARTIES IN POSSESSION NOT SHOWN BY THE PUBLIC RECORDS. (NON-SURVEY ITEM)
 - B. EASEMENTS, OF CLAIMS OF EASEMENTS, NOT SHOWN BY THE PUBLIC RECORDS. (NON-SURVEY ITEM)
 - C. ENCROACHMENTS, OVERLAPS, BOUNDARY LINE DISPUTES, OR OTHER MATTERS WHICH WOULD BE DISCLOSED BY AN ACQUISITIVE SURVEY AND INSPECTION OF THE PREMISES. (SEE MAP OF SURVEY)
 - D. ANY CLAIM OF OR FOR SERVICES, LABOR, OR MATERIAL HERETO OR HEREAFTER FURNISHED, IMPOSED BY LAW AND NOT SHOWN BY THE PUBLIC RECORDS. (NON-SURVEY ITEM)
3. ANY ADVORSE OWNERSHIP CLAIM BY THE STATE OF FLORIDA BY RIGHT OF ANY OF ANY PART OF THE LANDS HEREIN RESERVED HEREUNDER, INCLUDING SUBMERGED, FILLED, AND ARTIFICIALLY FLOODED LANDS ACCORDING TO SUCH LANDS, THERE ARE NO WATER BODIES ADJACENT TO SURVEYED PARCELS. (NON-SURVEY ITEM)
4. TAXES FOR THE YEAR 2022 AND SUBSEQUENT YEARS, WHICH ARE NOT YET DUE AND PAYABLE. (NON-SURVEY ITEM)
5. ANY LIEN ARISING UNDER CHAPTER 159, FLORIDA STATUTES, IN FAVOR OF THE STATE, LOCAL, VILLAGE OR PORT AUTHORITY FOR UNPAID SERVICE CHARGES, INCLUDING ANY OF ANY OF ANY UTILITY SERVICE OR SYSTEM OR GAS SYSTEM SERVING THE LAND DESCRIBED. (NON-SURVEY ITEM)

(SUMNER PARCEL COMMITMENT NO. T1954258)

- ANY DEFECT, LEND/CLEARANCE, ADVISE CLAM, OR OTHER MATTER THAT AFFECTS FOR THE FIRST TIME THE PUBLIC RECORDS OR IS CREATED, ALTERED, OR OTHERWISE AFFECTS THE COMMITMENT DATE ON WHICH ALL OF THE SCHEDULE B, PART I, REQUIREMENTS ARE MET. (NON-SURVEY ITEM)
2. STANDARD DISPOSITIONS:
- A. RIGHTS OR CLAIMS OF PARTIES IN POSSESSION NOT SHOWN BY THE PUBLIC RECORDS. (NON-SURVEY ITEM)
 - B. EASEMENTS, OF CLAIMS OF EASEMENTS, NOT SHOWN BY THE PUBLIC RECORDS. (NON-SURVEY ITEM)
 - C. ENCROACHMENTS, OVERLAPS, BOUNDARY LINE DISPUTES, OR OTHER MATTERS WHICH WOULD BE DISCLOSED BY AN ACCURATE SURVEY AND INSPECTION OF THE PREMISES. (SEE MAP OF SURVEY)
 - D. BY LAW OR BY CONTRACT, FOR SERVICES, LABOR, OR MATERIAL HERETO OR HEREAFTER FURNISHED, IMPOSED BY LAW AND NOT SHOWN BY THE PUBLIC RECORDS. (NON-SURVEY ITEM)
3. ANY ADVOR OWNERSHIP CLAIMA BY THE STATE OF FLORIDA BY RIGHT OF REDEMPTION OR ANY OTHER TYPE OF LANDS INCLUDING REDEMPTION, INCLUDING SUBMERGED, FILLED, AND ARTIFICIALLY FLOODED LANDS ACCORDING TO SUCH LANDS, THERE ARE NO WATER BODIES ADJACENT TO SURVEYED PLOTS.
4. WAIVER FOR THE YEAR, 2022 AND SUBSEQUENT YEARS, WHICH ARE NOT YET DUE AND PAYABLE. (NON-SURVEY ITEM)
5. ANY LAND ARISING UNDER CHAPTER 159, FLORIDA STATUTES, IN FAVOR OF ANY CITY, TOWN, VILLAGE OR PORT AUTHORITY FOR UNPAID SERVICE CHARGES, INCLUDING ANY CITY, TOWN, VILLAGE OR PORT AUTHORITY OR GAS SYSTEM SERVING THE LAND DESCRIBED. (NON-SURVEY ITEM)

(CORTEZ PARCEL COMMITMENT NO. T225908)

- ANY DEFECT, LION, ENCUMBRANCE, ADVERSE CLAIM, OR OTHER MATTER THAT
AFFECTS FOR THE FIRST TIME IN THE PUBLIC RECORDS OR IS CREATED,
ADJUSTED, OR OTHERWISE AFFECTS THE COMMETMENT DATE ON WHICH ALL
OF THE SCHEDULE B, PART 1: REQUIREMENTS ARE MET. (NON-SURVEY ITEM)
2. STANDARD EVIDENCE
- A. RIGHTS OR CLAIMS OF PARTIES IN POSSESSION NOT SHOWN BY THE PUBLIC RECORDS. (NON-SURVEY ITEM)
 - B. EASEMENTS, OR CLAIMS OF EASEMENTS, NOT SHOWN BY THE PUBLIC RECORDS. (NON-SURVEY ITEM)
 - C. ENCROACHMENTS, OVERLAPS, BOUNDARY LINE DISPUTES, OR OTHER MATTERS WHICH WOULD BE DISCLOSED BY AN ACCURATE SURVEY AND INSPECTION OF THE PREMISES. (SEE PART OF SURVEY)
 - D. ADVERSE USE OF LAND, FOR SERVICES, LABOR, OR MATERIAL, HERETO OR HEREAFTER FURNISHED, IMPOSED BY LAW AND NOT SHOWN BY THE PUBLIC RECORDS. (NON-SURVEY ITEM)
3. ANY ADVERSE OWNERSHIP CLAIM BY THE STATE OF FLORIDA BY RIGHT OF
THE STATE AND ANY CLAIM OF THE LANDS INCLUDING HEREAFTER,
INCLUDING SUBMERGED, PILED, AND ARTIFICIALLY FLOODED LANDS ACCORDED
TO SUCH LANDS. THERE ARE NO WATER BODIES ADJACENT TO SURVEYED
LANDS. (NON-SURVEY ITEM)
4. TAXES FOR THE YEAR 2022 AND SUBSEQUENT YEARS, WHICH ARE NOT YET DUE
AND PAYABLE. (NON-SURVEY ITEM)
5. ANY LUN ASSIGNED UNDER CHAPTER 159, FLORIDA STATUTES, IN FAVOR OF ANY
CITY, TOWN, VILLAGE OR PORT AUTHORITY FOR UNPAID SERVICE CHARGES,
SEWER, WATER, GAS, OR OTHER UTILITY SERVICE, OR FOR GAS SERVICE
SERVING THE LAND DESCRIBED. (NON-SURVEY ITEM)

+	MORE OR LESS		LIGHT POLE
(D)	DEFO		SIGN
(P)	PLAT		WIRE PULL BOX
(M)	FIELD MEASUREMENT		ELECTRIC METER
C.M.D.	CONC. MONUMENT W/ DISK "PRM LB 7345"		WATER METER
O.R.B.	OFFICIAL RECORDS BOOK		TELEPHONE RISER
W	EDGE OF WAY		SANITARY MANHOLE
C	CENTERLINE		DRAINAGE MANHOLE
C	CONCRETE		BOUNDARY LINE
CONC.	CONCRETE		CHAIN LINK FENCE
ASPH.	ASPHALT		FENCE AS NOTED
DF	EDGE OF PAVEMENT		LINE BREAK
DF	ROLLBACK		
SPOT	SPOT ELEVATION		

1. BEARINGS SHOWN HEREON ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM JST JZONE NORTH AMERICAN DATUM 1983 WITH 1983 TO 2011 ADJUSTMENTS. A TRUE MERIDIAN LINE TRIMABLE INTO TRUE BEARING, AS A REFERENCE FOR THIS SURVEY, THE WESTERLY RIVER OF WAY LINE OF ROCK SPRING RANCH HAS A BEARING OF 107°07'09" BG.
2. BASED THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP 1- COMMUNITY PLAN NUMBER 12050051-01, EFFECTIVE DATE SEPTEMBER 24, 2021, THE PROPERTY SHOWN HEREIN LIES WITHIN FLOOD ZONE FIRM 100. THIS FLOOD ZONE IS BASED ON A FLOOD DETECTION AND DETECTION WAS PERFORMED BY GRAPHICALLY PLOTTING ONTO FLOOD INSURANCE MAPS PREPARED BY FEMA. THERE HAS BEEN NO FIELD SURVEYING PERFORMED FOR THIS FLOOD ZONE. THIS FLOOD ZONE, THIS IS THE PROFESSIONAL OFFICE OF CANVAS LAND SURVEYING, LLC, THE LENDER OF ANY FINANCIAL TRANSACTION, SHALL BE SUBJECT TO THE REQUIREMENT OF FLOOD INSURANCE OR NOT. WE ASSUME NO RESPONSIBILITY FOR ACTUAL FLOODING CONDITIONS.
3. THIS SURVEY HAS BEEN PREPARED WITH THE BENEFIT OF (3) COMMITMENTS FOR THIS SURVEY:
PUMPHREY PARK BY SEWART TITLE GUARANTY COMPANY, EFFECTIVE DATE JUNE 27, 2022, FILE NUMBER 111954240.
SLINKER PARK BY SEWART TITLE GUARANTY COMPANY, EFFECTIVE DATE JUNE 27, 2022, FILE NUMBER 111954250.
CORTEZ PARK BY SEWART TITLE GUARANTY COMPANY, EFFECTIVE DATE JUNE 27, 2022, FILE NUMBER 122012900.
4. ELEVATIONS SHOWN HEREON ARE PURSUANT TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 AND NOT ADJUSTED BY GPS/NOAA METHODS.
5. VERTICAL DATUM SHOWN HEREON IS REFERENCED TO ORANGE COUNTY CORNER BENCHMARK 11/30/01 31-10-12 ALUMINUM C-10 DISK, IN CONCRETE CURB INLET, HAVING AN ELEVATION OF 11.891 (± 0.00) DMM (84).
6. THE FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP STATE ROAD 1000, 1000' WIDE, COURSE SECTION 34 7550'-8550', WAS UTILIZED IN THE PREPARATION OF THIS SURVEY.
7. NORTH-SOUTH AND EAST-WEST TIES TO FOUND MONUMENTATION AND IMPROVEMENTS ARE BASED ON CARDINAL DIRECTION.
8. WETLAND AREAS, IF ANY, WERE NOT ADDRESSED AS PART OF THIS SURVEY.
9. UNDERGROUND UTILITIES AND FOUNDATIONS WERE NOT LOCATED.
10. SUBJECT PARCEL CONTAINS: ± 4.589 ACRES.
11. NO EVIDENCE OF CURRENT EARTH MOVING WORKS, BUILDING CONSTRUCTION, OR BUILDING ADDITIONS WERE OBSERVED DURING THE TIME FIELD WORK WAS PERFORMED FOR THIS SURVEY.
12. NO EVIDENCE OF THE SITE BEING USED AS A SOLID WASTE DUMP, SWAMP, OR SATURATED LANDFILL WAS OBSERVED DURING THE TIME FIELD WORK WAS PERFORMED ON THE SUBJECT PARCEL.
13. THIS SURVEY AND THE COPIES THEREOF ARE NOT VALID WITHOUT AN ORIGINAL ELECTRONIC SIGNATURE AND AUTHENTICATED ELECTRONIC SEAL OR A KANEXO EMBOSSED SEAL.

JOB NO. J449	COMMITMENT NO.(S) T10542GB, T105425B & T225909
<u>CERTIFIED TO:</u> JAGDISH SINGH; LUX CAR WASH, LLC.	F.E.G. PROJECT NO. 22-029
	SHEET NO. C-2
SHEET <u>2</u> OF <u>33</u>	

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/SFS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND SFS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 7(A), 7(B)(1), 8, 9, 10(A), 11, 13, 14, 16, 17 AND 19 OF TABLE A THEREOF. THE FIELDWORK WAS COMPLETED ON JUNE 28 2022.

- I FURTHER CERTIFY THIS SURVEY MEETS THE APPLICABLE "STANDARDS OF PRACTICE" AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN RULE 517.050-052, FLORIDA ADMINISTRATIVE CODE.

LUKE F. FULFORD, F.S.M., NO. 6354
CANVAS LAND SURVEYING, LB 8320

REVISIONS			
FIG#	DATE	DRAWN	CHK
	07/11/22	L.P.F	INITIAL RELEASE

LYING IN SECTION 33,
TOWNSHIP 20 SOUTH,
RANGE 2B EAST,
ORANGE COUNTY, FLORIDA

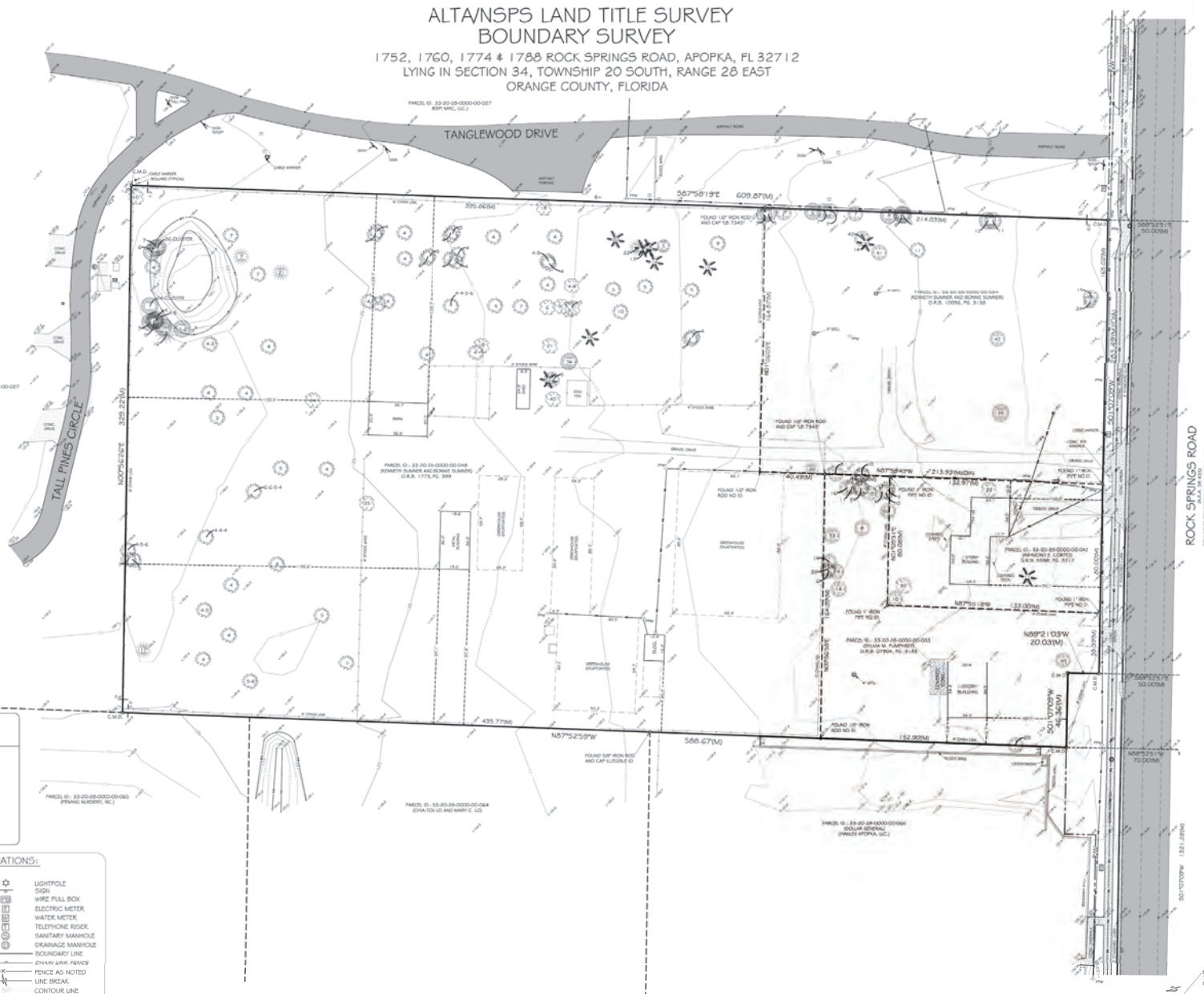
BOUNDARY SURVEY
ALTANSPS LAND TITLE SURVEY
-FOR-
LUX CAR WASH, LLC

1752, 1760, 1774 & 1788 ROCK SPRINGS ROAD, APOKA, FL 32712
LYING IN SECTION 34, TOWNSHIP 20 SOUTH, RANGE 28 EAST
ORANGE COUNTY, FLORIDA



LEGEND AND ABBREVIATIONS:

#	MORE OR LESS		LIGHTPOLE
(D)	DEED		SIGN
(F)	FLAT		WIRE FULL BOX
(M)	FIELD MEASUREMENT		ELECTRIC METER
C.M.D.	CONC. MONUMENT W/ DISK FROM LS 7345'		WATER METER
O.R.B.	OFFICIAL RECORDS BOOK		TELEPHONE RISER
R/W	RIGHT OF WAY		SANITARY MANHOLE
	CENTLINE		DRAINAGE MANHOLE
CONC.	CONCRETE		BOUNDARY LINE
ADJUT	ADJUTANT		CHAIN LINE
EDP	EDGE OF PAVEMENT		FENCE AS NOTED
	DOLLARD		LINE BREAK
	SPOT ELEVATION		CONTOUR LINE



F.E.G. PROJECT NO.
22-029

22-029
SHEET NO. C-3
SHEET 3 OF 33

E 1/4 CORNER OF SECTION 33
TOWNSHIP 20 S., RANGE 28 E.
PUBLIC LANDS

2-029 Survey.dwg

2. THESE GENERAL NOTES APPLY ALL WORK IN THIS SET OF DRAWINGS.
3. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR(S) TO ENSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND ARE IN HAND AT LEAST 10 DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL ABIDE BY ALL CONDITIONS CONTAINED THEREIN.
4. THE SPECIFICATIONS, NOTES, AND PLANS CALL ATTENTION TO CERTAIN REQUIRED FEATURES OF THE CONSTRUCTION BUT DO NOT PURPORT TO COVER ALL DETAILS OF DESIGN AND CONSTRUCTION. HOWEVER, THE CONTRACTOR SHALL FURNISH & INSTALL THE WORK IN ALL RESPECTS TO MEET THE INTENT OF THE DESIGN.
5. ALL EQUIPMENT SHALL BE HANDLED, STORED, INSTALLED, TESTED, AND OPERATED IN STRICT ACCORDANCE WITH THE APPLICABLE MANUFACTURER'S INSTRUCTIONS.
6. ALL WORK SHALL BE ACCOMPLISHED TO THE HIGHEST QUALITY CRAFTSMANSHIP STANDARDS AS APPROVED BY THE ENGINEER.
7. ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES AND REGULATIONS.
8. APPARENT ERRORS, DISCREPANCIES, OR OMISSIONS ON THE DRAWINGS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION BEFORE BEGINNING.
9. AFTER COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PERFORM SITE CLEAN-UP OPERATIONS FOR REMOVAL OF ALL TRASH, DEBRIS, AND EXCESS MATERIAL. THE CONTRACTOR SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESENT THE PROJECT SITE CLEAN AND IN GOOD ORDER AT THE TIME OF FINAL ACCEPTANCE.
10. THE CONTRACTOR SHALL COMPLY WITH ALL RULES, REGULATIONS, AND SPECIFICATIONS OF CITY OF APOLA, FLORIDA FOR SITE CONSTRUCTION.

FLORENCE WSA (S. 55.815) SECTION OF UNDERGROUND PIPELINES MANDATES THAT "NO EXCAVATOR SHALL COMMENCE OR PERFORM ANY EXCAVATION WORK UNLESS THE EXCAVATOR HAS BEEN ADVISED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION AND HIGHWAYS OF THE EXISTENCE WITHOUT FIRST OBTAINING INFORMATION CONCERNING THE POSSIBLE LOCATION OF GAS PIPELINES IN THE AREA OF THE EXCAVATION. SUCH INFORMATION SHALL BE OBTAINED FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION AND HIGHWAYS, THE UTILITY STRUCTURE, EARTH, ROCK, OR OTHER MASS OF MATERIAL BY SUCH METHODS AS DIGGING, BACKFILLING, DEMOLITION, GRADING, DITCHING, OR OTHERWISE, BUT NOT INCLUDING THE USE OF A GROUND PENETRATING RADAR SYSTEM." THE MINIMUM OF 48 HOURS AND A MAXIMUM OF TWO DAYS PRIOR TO EXCAVATING (EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS).

11 CONTRACTOR SHALL NOTIFY ALL APPROPRIATE UTILITY COMPANIES OF PROPOSED START OF WORK IN ACCORDANCE WITH THEIR STANDARD REQUIREMENTS FOR SUCH NOTICE. THIS MAY BE BY MAIL, TELEPHONE, OR PERSONAL DELIVERY.

12 ANY DIFFERENCES BETWEEN HOW THAT CONTRACTOR REPRESENTED THE PROJECT ON THE CONTRACT, AND/OR BELOW SURFACE OF THE GROUND, SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND OWNER IN WRITING, NO CLAIM FOR EXPENSES INCURRED BY EITHER PARTY WILL BE ALLOWED IF THE DISCREPANCY IS NOT REPORTED TO THE ENGINEER IN WRITING AT THE TIME REQUIRED WRITTEN NOTIFICATION OF SUCH CONDITIONS FOR REVIEW BY THE ENGINEER AND OWNER.

13 THE CONTRACTOR SHALL FURNISH OWNER WITH ACCURATE RECORD DRAWINGS PREPARED BY A LICENSED PROFESSIONAL SURVEYOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE AS BUILT SURVEY PROVIDED BY THE LICENSED PROFESSIONAL SURVEYOR SHALL BE CROSSED THROUGH AND NEW DATA SHALL BE SHOWN THEREON.

14 ALL PRIVATE AND PUBLIC PROPERTIES AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTED UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONTRACTORS' AND NOT EXTRA CONTRACT COST. IT SHALL BE ALLOWED.

15 THE CONTRACTOR SHALL FOLLOW THE GEOLOGICAL ENGINEER'S RECOMMENDATIONS IN PREPARING THE SITE FOR CONSTRUCTION, INCLUDING REMOVAL OF EXCESSIVE SOILS, VEGETATION, AND/OR DEBRIS FROM WITHIN THE LIMITS OF THE PROJECT AS IDENTIFIED BY THE GEOLOGICAL ENGINEER; PROGRAMMING OF THE NATURAL SOILS WHERE REQUIRED; AND OTHER NECESSARY PREPARATION OF THE SITE. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE DESIGN DOCUMENTS AND GEOLOGICAL ENGINEER'S RECOMMENDATIONS. THERE IS A CONFIRMATION BETWEEN THE CONTRACTOR AND THE ENGINEER THAT THE CONTRACTOR WILL COMPLY WITH ALL APPLICABLE DESIGN DOCUMENTS AND GEOLOGICAL ENGINEER'S RECOMMENDATIONS.

2. THESE PLANS ARE BASED ON A SURVEY PREPARED FOR THE OWNER BY CANVAS LAND SURVEYING AND DATED JUNE 29, 2022.

3. REFER TO SHEET G-2 FOR REFERENCED BENCHMARK.

4. CONTRACTOR SHALL STAKE ALL IMPROVEMENTS USING THE GEOMETRIC DATA PROVIDED. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO VERIFY THE ACCURACY OF THE DATA AND OBTAIN SUFFICIENT ADJUDICATED POSITIONS, BOTH HORIZONTAL AND VERTICAL, PRIOR TO THE INSTALLATION OF ANY IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY APPARENT DISCREPANCIES ARE FOUND.

5. ALL DIMENSIONS ARE TO THE FACE OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

6. CONTRACTOR SHALL VERIFY THE ACCURACY OF THE BUILDING GEOMETRY SHOWN WITH THAT IN THE FINAL ARCHITECTURAL DRAWINGS, PRIOR TO STAKE-OUT, & SHALL NOTIFY OWNER & ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

1. ALL MARKINGS MUST COMPLY WITH THE F.D.O.T. ROADWAY & TRAFFIC DESIGN STANDARDS, MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AND THE CITY OF APOPKA, FLORIDA LAND DEVELOPMENT CODE. PARKING SPACES SHALL BE F.D.O.T. RATED PAINT. ALL OTHER MARKINGS MUST BE TRANSLUCENT.
2. HANDICAP PARKING SPACES SHALL BE PROPERLY SIGNED AND STRIPED IN ACCORDANCE WITH FLORIDA STATUTE 316, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND OTHER APPLICABLE STANDARDS. REFER TO F.D.O.T. ROADWAY & TRAFFIC DESIGN STANDARDS INDEX 17355 FOR HANDICAP SYMBOL.
3. HANDICAP SIGN SHALL BE F.D.O.T. SPECIFICATIONS.

[illegible]

9. ALL UNDERGROUND UTILITIES INCLUDING CONDUIT FOR ELECTRICAL, CABLE TV, AND TELEPHONE SHALL BE INSTALLED PRIOR TO PAVEMENT CONSTRUCTION.

6. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY PROBLEMS REQUIRING DEVIATION FROM THESE PLANS AND SPECIFICATIONS.

7. THE CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS OF ALL MAJOR ITEMS PROPOSED FOR THIS PROJECT TO THE ENGINEER PRIOR TO ORDERING ANY OF THE EQUIPMENT. UPON THE CONTRACTOR'S RECEIPT OF APPROVED SHOP DRAWINGS FROM THE ENGINEER, THE CONTRACTOR MAY PROCEED WITH THE WORK.

8. ALL DISTURBED AREAS MUST BE SODDED, UNLESS OTHERWISE NOTED ON THE PLANS. ALL SODDING MUST BE DONE IN ACCORDANCE WITH SECTION 07.04 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, LATEST EDITION.

9. PROVIDE HANDICAP ACCESS WHERE SODDINGS MEET CURBS WITH THE PUBLIC RIGHT-OF-WAY.

1. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM WITH CITY OF APOPKA, FLORIDA SPECIFICATIONS, SUBJECT TO AUTHORITY AND APPROVED VARIATIONS, WAVEAYS AND/OR CONDITIONAL CHANGES.
2. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A FOREMOST DEFENSE AGAINST ANY TRANSPORT OF SILT OFF THE SITE.
3. CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN AT THE PRE-CONSTRUCTION MEETING. THE CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES IN CONTROLLING EROSION AND SEDIMENTATION DURING CONSTRUCTION.
4. ALL CLEARED AREAS FOR IMPROVEMENT AND/OR CONSTRUCTION SHALL BE WATERED TO PREVENT WIND EROSION.
5. PRIOR TO LAND CLEARING THE CONTRACTOR SHALL PROVIDE TREE PROTECTION BARRIERS TO MEET THE REQUIREMENTS OF CITY OF APOPKA, FLORIDA.

1. CONTRACTOR SHALL COORDINATE WITH CITY OF APOFIA FOR CONSTRUCTION OF THE WATER AND SEWER SYSTEM. ALL MATERIALS AND WORKMANSHIP SHALL BE APPROVED BY THE CITY OF APOFIA.
2. CONTRACTOR SHALL COORDINATE WITH ALL WATER AND SEWER SYSTEM TEST SCHEDULING TO ALLOW ENGINEER'S ATTENDANCE AND PROVIDE FIVE (5) BUSINESS DAYS NOTICE TO THE CITY OF APOFIA AND THE ENGINEER. THE CITY OF APOFIA WILL BE RESPONSIBLE FOR SCHEDULING THE ENGINEER'S OFFICE AND AT CONTRACTOR'S EXPENSE. THE UTILITY TESTING THAT NEEDS TO BE OBSERVED BY FIELD INSPECTORS, BUT NOT LIMITED TO, SHALL BE: (1) ALL WATER AND SEWER MAINS, (2) ALL WATER AND SEWER SERVICE LINES, (3) ALL WATER AND SEWER MANHOLES, (4) ALL WATER AND SEWER MANHOLE TESTING OF GRAVITY SEWER LIFT STATION START AND LIFT, AND (5) ALL GRAVITY SEWER SYSTEM. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR TO COMPLETE THE UTILITY TESTING.
3. ENGINEER RESERVES THE RIGHT TO WITHHOLD APPROVAL FOR ANY PORTION OF THE WATER OR SEWER PIPE WORK WHICH HAS NOT BEEN TESTED TO THE CITY OF APOFIA'S SATISFACTION.
4. SITE CONTRACTOR SHALL COORDINATE AND VERIFY ALL UTILITY SERVICES WITH FINAL ARCHITECTURAL DRAWINGS AND BUILDING CONTRACTOR.
5. CONTRACTOR SHALL VERIFY SIZE AND TYPE OF EXISTING MAIN PRIOR TO ORDERING TAPPING MATERIALS FOR TIE-INS.
6. CONTRACTOR SHALL MAINTAIN A SET OF RECORD DRAWINGS MARKED UP WITH BOTH HORIZONTAL AND VERTICAL AS-BUILT INFORMATION ON LOCATION OF THEIR MAINS. THESE RECORDS SHALL BE MAINTAINED AT ALL TIMES AND BE AVAILABLE TO THE CITY OF APOFIA OR NEAREST MANHOLE.
7. SITE UTILITY WORK SHALL TERMINATE 5 FEET FROM BUILDINGS UNLESS OTHERWISE STATED.
8. CONTRACTOR SHALL NOT ACTIVATE WATER OR SEWER SERVICE UNTIL THE FDEP HAS CLEARED THE SYSTEMS FOR USE AND THE CLEARANCE LETTER IS RECEIVED.

UTILITY SEPARATION - VERTICAL CLEARANCE:

1. NEW OR RELOCATED, UNDERGROUND WATER MAINS THAT ARE INCLUDED IN THIS PROJECT AND THAT WILL CROSS 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 ABOVE THE TOP OF THE EXISTING OR PROPOSED GRAVITY-TYPE SANITARY SEWER OR STORM SEWER. IF THE WATER MAIN IS TO CROSS A PRESSURE-TYPE SANITARY SEWER, OR PIPELINE CONVEYING RECLAIMED WATER, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OTHER PIPELINE.
2. AT THE UTILITY CROSSINGS DESCRIBED 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 OR 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 DRAINAGE SYSTEMS, PRESSURE-TYPE SANITARY SEWERS, RECLAIMED WATER MAINS, OR PIPELINES CONVEYING RECLAIMED WATER. JOINTS SHALL BE LOCATED AT ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, RECLAIMED WATER MAINS, OR PIPELINES CONVEYING RECLAIMED WATER. JOINTS SHALL BE LOCATED AT LEAST 10 FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER DRAINAGE SYSTEMS, OR PRESSURE-TYPE SANITARY SEWERS.

UTILITY SEPARATION HORIZONTAL SEPARATION:

- [illegible]

CONSTRUCTION NOTES:

1. THE DIBETTER SHALL BE SEPARATION RESPONSIBLE FOR APPROPRIATE CONNECTION, DISINFECTION & TESTING BEYOND THE METER TO ASSURE ADEQUATELY PROTECTED POTABLE WATER.
2. POTABLE WATER PIPES WILL BE DISINFECTED IN ACCORDANCE WITH AWWA SPECIFICATIONS C601.
3. POTABLE PIPES WILL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH SPECIFICATION NUMBERS C600 & C605/A23 FOR DUCTILE IRON & PVC PIPES.
4. POTABLE WATER PIPES MUST BE MANUFACTURED IN ACCORDANCE WITH THE FOLLOWING AWWA SPECIFICATIONS:
 - A. DUCTILE IRON PIPE (3" TO 64") – AWWA C150/AWWA C151; LINING PER AWWA C104, COATING PER AWWA C116, ENCASEMENT PER AWWA C105, FLANGED PIPE, GASKET JOINTS PER AWWA C111 AND FITTINGS PER AWWA C110 OR AWWA C116.
 - B. PIPE WITH NASTRAL DUCTILE IRON COATING (SEAL) – AWWA C200/ASTM 1784 ("4" TO 12") WITH DRE25 MINIMUM.
 - C. PRESSURE RATED PIPE (DIPER SERIES) SHALL BE ASTM D2241, SCHEDULE 40, 80, & 120 PVC PIPES PER ASTM D1785. THE COMPOUND USED FOR ETHER OF THESE TYPES SHALL BE PER ASTM D1784.
5. POLYETHYLENE PIPE (1/2" – 3") – AWWA C301 WITH VALVES & FITTINGS (AWWA C800);
6. POLYETHYLENE PIPE (4" – 63") – AWWA C900.
7. FIRE HYDRANT & VALVES PER AWWA SPECIFICATIONS C550 THROUGH C560.
8. METERS PER AWWA SPECIFICATIONS C700 THROUGH C710.

CONNECTION TO EXISTING WATER MAINS:

1. IF CONNECTION OF THE PROPOSED ACTIVITY TO THE WATER MAIN WILL RESULT IN DEPRESSURIZATION OF THE EXISTING SYSTEM BELOW 20 POUNDS PER SQUARE INCH, ONE OF THE FOLLOWING MUST OCCUR:
- A. PRECAUTIONARY BOIL WATER NOTICES MUST BE ISSUED IN CASES OF PLANNED DISTRIBUTION INTERRUPTIONS, WHICH DEEMED AN IMMINENT PUBLIC HEALTH THREAT BY THE D.E.P. CENTRAL DISTRICT OR WILL AFFECT BACTERIOLOGICAL QUALITY OF THE DRINKING WATER UNLESS THE PUBLIC WATER SYSTEM CAN DEMONSTRATE, BY SOUND ENGINEERING JUDGMENT, THAT THE INTEGRITY OF THE WATER QUALITY IS EXPECTED TO BE MAINTAINED DURING ANY PLANNED MAINTENANCE INTERRUPTION.
 - B. IN CASES OF BRIEF INTERRUPTION IN SERVICE, ADVISORIES (NOT BOIL WATER NOTICES) SHOULD BE ISSUED IF TEMPORARY CHANGES IN WATER QUALITY ARE EXPECTED TO OCCUR & NOT DEEMED AN IMMINENT PUBLIC HEALTH RISK.

FILLING OF WATERMAIN

1. FILLING OF PROPOSED WATER MAINS FROM EXISTING WATER MAINS WILL BE DONE IN ACCORDANCE WITH AWWA SPECIFICATIONS C651.

[illegible]

PAVING, GRADING & DRAINAGE

1. PAVING MATERIALS SHALL CONFORM WITH F.D.O.T. STANDARDS & SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, LATEST EDITION.
2. STORM DRAINS SHALL BE REINFORCED CONCRETE PIPE, PER ASTM C-76 CLASS II, UNLESS OTHERWISE SPECIFIED. LIFTING MOLES ARE PROHIBITED.
3. ALL STORM STRUCTURES SHALL CONFORM WITH F.D.O.T. STANDARD DRAWINGS & SPECIFICATIONS EXCEPT THAT DITCH BOTTOMS, INLETS IN PAVED AREAS AND CURBS SHALL BE CONCRETE. ALL STRUCTURES SHALL BE PROTECTED BY STEEL GRATE OR SUPPORTED ON CONCRETE GRATES SHALL BE PROTECTED BY STEEL GRATE UNLESS BICYCLE TRAFFIC IS ANTICIPATED.
4. ALL TYPE "T" STRUCTURE BOTTOMS SHALL BE ROUND UNLESS OTHERWISE SPECIFIED & SHALL HAVE A 4" FEET MINIMUM DIAMETER.
5. CONTRACTOR SHALL COORDINATE STORM PIPE LAMPING ORIENTATION SCHEDULING TO ALLOW ENGINEER'S ATTENDANCE AND PROVIDE 5 (5) WORKING DAY NOTICE. CONTRACTORS FAILURE TO PROPERLY NOTIFY ENGINEER MAY RESULT IN RELINQUISHING AT ENGINEER'S DISCRETION.

WATER MATERIAL:

GENERAL MATERIAL SPECIFICATIONS

MATERIAL USED IN THE CONSTRUCTION OF THE WATER DISTRIBUTION SYSTEM SHALL ADHERE TO THE REQUIREMENTS OUTLINED IN THE CITY OF APOPKA WATER DISTRIBUTION'S SPECIFICATION STANDARDS MANUAL. THE FOLLOWING INFORMATION IS TO PROVIDE GENERAL GUIDANCE IN THE PREPARATION OF CONSTRUCTION PLANS AND SPECIFICATIONS, AND IN NO WAY LIMITS CITY OF APOPKA'S RIGHTS TO APPROVE OR DISAPPROVE PLANS, SPECIFICATIONS OF INSTALLATIONS. MOST CENTRAL FLORIDA UTILITY SUPPLY COMPANIES HAVE A COPY OF CITY OF APOPKA'S SPECIFICATION STANDARDS MANUAL.

SPECIAL NOTICE:

CITY OF APOPKA SPECIFICATIONS OFTEN ADD TO THE MANUFACTURER'S SPECIFICATIONS. IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT: CITY OF APOPKA WATER DISTRIBUTION STANDARDS AND SPECIFICATIONS 407-703-1731.

SEE CITY OF APOPKA WATER MATERIAL SPECIFICATIONS ON SHEET C-24 FOR DETAILS.

SEE CITY OF APOPKA WASTEWATER MATERIAL SPECIFICATIONS ON SHEET C-24 FOR DETAILS.

1. CONCRETE PRE-CONSTRUCTION MEETING

1. A. THE CONCRETE CONTRACTOR ALONG WITH THE CONCRETE PRODUCER MAY REQUEST THROUGH THE GENERAL CONTRACTOR FOR PRELIMINARY MEETING PRIOR TO MEETING PRIOR TO CONCRETE PLACEMENT.
- B. ATTENDEE: CONCRETE CONTRACTOR, CONCRETE PRODUCER, GENERAL CONTRACTOR, OWNER OR OWNER'S REPRESENTATIVE(S), ENGINEER OF RECORD, ARCHITECT, SITE CONTRACTOR, GEOTECHNICAL REPRESENTATIVE(S), ETC.
- C. AGENDA: MEETING NOT BE LIMITED TO THE FOLLOWING. CONTRACTOR MAY CONTACT THE FLORIDA CONCRETE & PRODUCTS ASSOCIATION FOR PRE-CONSTRUCTION MEETING CHECK LIST.
1. MIXTURE(S) APPROVAL
2. CONCRETE TESTING: TYPE, LOCATION OF SAMPLINGS, ETC.
3. CONCRETE DELIVERY: QUANTITY/MTR, PUMP, CONVEYOR, ETC.
4. PLACEMENT: METHOD, QUANTITY/DAY, STAGING & CLEAN OUT LOCATION, ETC.
5. FINISHING: CURING, JOINTING, ETC.
2. JOINTS FOR CONCRETE SLABS

- C. GENERAL.** - A JOINTING PLAN FOR THE ENTIRE PAVING AREA SHALL BE PREPARED BY THE CONTRACTOR & SUBMITTER TO THE PLACING AND FINISHING SUPERVISOR FOR REVIEW AND APPROVAL. THE CONTRACTOR MAY ALSO CONTACT THE FLORIDA CEMENT & PRODUCTS ASSOCIATION (FCA) FOR TECHNICAL RESOURCES AND ASSISTANCE.
- D. SQUARE JOINTING PATTERN IS REQUIRED WHERE POSSIBLE.** IF NECESSARY, RECTANGULAR PANELS CAN BE USED IF THE LONG DIMENSION IS NO MORE THAN 1.5 TIMES THE SHORT (e.g. 8' x 12'). JOINT SPACING SHALL NOT EXCEED THE FOLLOWING TO PREVENT CRACKING:
- a. JOINTS IN AREAS AROUND MANHOLE, CATCH BASINS, DRAINAGE STRUCTURES & OTHER BUILT-IN STRUCTURES WITHIN THE PAVING AREA SHALL BE CIRCULAR, WHERE POSSIBLE. A MINIMUM OFFSET OF 12" FROM ANY EDGE OF THE STRUCTURE IS REQUIRED. A COPY OF THE JOINTING PLAN SHALL BE SUBMITTED TO THE PLACING AND FINISHING SUPERVISOR.
- b. JOINTS BETWEEN ADJACENT LANE'S & EXTEND THROUGH INTERLUR CURBS. JOINTS CAN BE TERMINATED AT OFFSETS OR CHANGES IN PAVEMENT TYPE. JOINTS SHALL BE CUT ACROSS ALL TYPES OF PAVEMENT AND FORM JOINT 90 DEGREE TO EDGE OF PAVEMENT TO AVOID ACUTE ANGLES OR SMALL WEDGES OF PAVEMENT.

- B. CONSTRUCTION JOINTS – A CONSTRUCTION JOINT SEPARATES ONE DAY PLACEMENT TO THE NEXT DAY PLACEMENT. A CONSTRUCTION JOINT SHALL BE PLACED AT THE END OF EACH DAY'S PLACEMENT. ALL JOINTS SHALL BE BUTT UP TO THE EXISTING PAVEMENT AS A COLD JOINT. THE CONSTRUCTION JOINT MAY BE HAND-TOOLED WITH MAXIMUM 1/4" OF THE JOINT. CONSTRUCTION JOINTS SHALL BE PLACED AT THE END OF EACH DAY'S PLACEMENT. ALL JOINTS SHALL MATCH AND BE CONTINUOUS ACROSS THE CONSTRUCTION JOINT.
- C. CONTROL/CONTRACT JOINTS – CONTROL JOINTS ARE JOINTS WITHIN THE PAVING AREA FORMED THROUGH TOOLS OR SCAFFOLDING. CONTROL JOINTS SHALL BE PLACED AT THE END OF EACH DAY'S PLACEMENT. ALL JOINTS SHALL MATCH AND BE CONTINUOUS ACROSS THE CONSTRUCTION JOINT.
- D. INSTALL CONTROL JOINTS WITHIN 12 HRS FROM THE TIME THE CONCRETE MIXES THE GROUND OR OBTAIN IN WRITING APPROVAL FROM THE ENGINEER BEYOND THE PAVING AREA.
- E. EARLY-ENTRY SAW CUTTING METHOD: CUT JOINT TO A MINIMUM OF 1" DEEP FOR PAVEMENT THICKNESS UP TO 8". CUTTING OF JOINTS SHALL NOT CAUSE RAVELING TO THE EDGES OR DEFORMATION OF THE SURFACE DUE TO EQUIPMENT OR POWER.
- F. OTHER METHODS: INSTALL JOINT TO A MINIMUM OF 1/3 OF PAVEMENT DEPTH. FINISH EDGES WITH 0.25" RADIUS.

- D ISOLATION:** THESE JOINTS USE ISOLATION MATERIALS TO PREVENT FRESH CONCRETE FROM BONDING TO HARDENED CONCRETE SURFACES SUCH AS, BUT NOT LIMITED TO, BUILDING FOUNDATIONS, SIDEWALKS, DRAINAGE STRUCTURES, LIGHTING & SIGNAGE BASES, RETAINING WALLS, CURBS, ETC. THE ISOLATION MATERIAL SHALL EXTEND THE FULL-DEPTH OF THE FRESH CONCRETE FROM ONE SIDE AND END OF THE JOINT TO THE OTHER JOINTS ARE MATCHED, ISOLATION MATERIAL IS NOT NECESSARY (E.G. ONE LANE PAVING TO THE NEXT, INTEGRAL CURBS).
- I SOLATION:** JOINTS BETWEEN SLABS AT SOME GRADE SHALL BE FORMED WITH 0.25 INCH THICK NEOPRENE OR 0.60 INCH THICK POLYURETHANE CONCRETED WITH A RESISTANT ELASTOMERIC FILM MATERIAL AS SEALER. ALL JOISTS TO BE HAND TOOLED WITH MAXIMUM 0.50 INCH RADII.
- A SATISFACTORY ISOLATION JOINT CAN BE FORMED AT METAL BUILDING CURBS BY PLACING A STRIP OF CURB PAPER AGAINST THE INSIDE OF THE FORM. AFTER THE FRESH CONCRETE HAD BEEN PLACED AND BEFORE THE EDGES OF THE SLAB HAVE BEEN TOOLED WITH MAXIMUM 0.50 INCH RADII.**

3. JOINTS SEALANT - A JOINT SEALING PLAN FOR THE AFFECTED AREA SHALL BE PREPARED BY THE CONCRETE CONTRACTOR & SUBMITTED TO THE EOR, ALONG WITH THE JOINTING PLAN, 2 WEEKS PRIOR TO PLACEMENT OF CONCRETE FOR THE EOR APPROVAL. NOT ALL JOINT WILL BE REQUIRED SEALING, THE CONCRETE CONTRACTOR IS TO RECOMMEND THE NECESSARY LOCATION AND TO PROVIDE THE REASON FOR EACH RECOMMENDATION. THE JOINT SEALING SHALL BE DONE WITH A SEALANT THAT IS A SINGLE-COMPONENT OR MULTI-COMPONENT COMPOUND OR EQUIVALENT. THE CONCRETE CONTRACTOR IS TO SUBMIT SEALANT TYPE AND MANUFACTURER INFORMATION TO THE EOR FOR APPROVAL WHEN "EQUIVALENT" IS USED. JOINTS SHALL BE PREPARED BY FOLLOWING MANUFACTURER'S RECOMMENDATIONS PRIOR TO SEALING.

DATE	TIME	BY	REVISIONS	REVISIONS	REVISIONS
3/01/24	Δ	REVISED	PER COUNTY COMMENTS	JWM	GRG
1/24/24	Δ	REVISED	PER CITY COMMENTS	SMT	GRG
11/22/23	Δ	REVISED	PER COUNTY COMMENTS	JWM	GRG
11/20/23	Δ	REVISED	PER CITY COMMENTS	JWM	GRG
10/18/23	Δ	REVISED	PER COUNTY COMMENTS	JWM	GRG
8/08/23	Δ	REVISED	PER CITY COMMENTS	JWM	GRG
DATE		REVISIONS			BY

CONSTRUCTION SITE PLANS
LUX CARWASH - APOPKA
1752, 1760, 1788 & 1774 ROCK
SPRINGS ROAD
CITY OF APOPKA, FLORIDA



5127 S. Orange Avenue, Suite 200
Orlando, FL 32809
Phone: 407-895-0324
Fax: 407-895-0325

LEGEND, NOTES AND SPECIFICATIONS

DESIGNED BY GRC	DRAWN BY JWM	CHECKED BY GRC	APPROVED BY GRC
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PROJECT NO. 22-029	THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY GREGORY R. CRAWFORD, P.E. ON THE DATE ADJACENT TO THE SEALED PRINTED COPIES OF THIS DOCUMENT. ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPY.
SCALE NONE	
DATE MARCH 27, 2023	
SHEET NO. C-4	
SHEET 4 OF 33	

Digitally signed by Gregory R Crawford
Date: 2024.03.01 17:02:42 -0500

DEMOLITION AND EROSION CONTROL NOTES:

- SILT SCREENS AND TURBIDITY BARRIERS INSTALLED MUST REMAIN IN PLACE AND MAINTAINED IN GOOD CONDITION AT ALL LOCATIONS SHOWN UNTIL THE CONSTRUCTION IS COMPLETED. SOILS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.
- THE EROSION CONTROL MEASURES SET FORTH IN THESE PLANS ARE INTENDED AS MINIMUM STANDARDS. ANY EROSION CONTROL REQUIRED BY THE CITY OF APOPKA BEYOND THAT SPECIFIED SHALL BE CONSIDERED AS INCLUDED WITHIN THIS CONTRACT.
- ALL EROSION AND SEDIMENT CONTROL AND TREE PROTECTION WORK SHALL CONFORM TO THE DESIGN STANDARDS OF THE CITY OF APOPKA, ORANGE COUNTY, FLORIDA, AND THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT.
- EROSION AND SEDIMENT CONTROL MEASURES AND TREE PROTECTION BARRIERS ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN, CONSTRUCTION SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.
- SEDIMENT MATERIALS FROM WORK ON THIS PROJECT SHALL BE CONTAINED AND NOT ALLOWED TO COLLECT ON ANY OFF-PERIMETER AREAS OR IN WATERWAYS. THESE INCLUDE BOTH NATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES, AND POND.
- DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE EFFECTIVENESS OF EROSION/SEDIMENT CONTROL EFFORTS AND TREE BARRICADES. ANY NECESSARY REMEDIES SHALL BE PERFORMED WITHOUT DELAY.
- ALL MUD, DIRT OR OTHER MATERIALS TRACKED OR SPILLED ONTO EXISTING PUBLIC OR PRIVATE ROADS AND FACILITIES, DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL THE REQUIRED CONSTRUCTION PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING ANY WORK.
- THE SILT FENCE DETAIL IS SHOWN ON PLAN SHEET 5.

GENERAL NOTES:

- EXISTING ROADWAY BASE MATERIALS SUCH AS LIMESTONE OR LIMEROCK MAY BE USED IN STABILIZATION IF SUITABLE FOR MIXING.
- ALL DEBRIS AND WASTE MATERIALS GENERATED BY DEMOLITION OR SUBSEQUENT CONSTRUCTION ACTIVITIES SHALL BE DISPOSED OFFSITE IN A LEGISLATED FACILITY. THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED FOR DEMOLITION, CONSTRUCTION WORK AND HAULING WASTE MATERIALS. ALL ASSOCIATED COSTS AND PERMIT FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE ALL SHEETING, SHORING AND BRACING REQUIRED TO PROTECT ADJACENT STRUCTURES AND UTILITIES OR TO MINIMIZE TRENCH WIDTH AS REQUIRED. SHEETING AND SHORING SHALL BE DESIGNED BY A STATE OF FLORIDA, REGISTERED P.E., RETAINED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL AND SAFETY DEVICES IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE LATEST FL DEPARTMENT OF TRANSPORTATION "ROADWAY DESIGN STANDARDS".
- MAINTENANCE OF TRAFFIC ACCESS FOR LOCAL TRAFFIC WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED. IF, DURING CONSTRUCTION ACCESS FOR LOCAL TRAFFIC IS CHANGED, THEN THE CONTRACTOR SHALL NOTIFY THE OWNER A MINIMUM OF THREE WORKING DAYS IN ADVANCE. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH INDEX NO 600 OF THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS.
- GOVERNING STANDARDS AND SPECIFICATIONS ON THIS PROJECT ARE: THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DESIGN STANDARDS (2017/2018 EDITION), FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2018 EDITION), AND THE CITY OF APOPKA UTILITY DESIGN AND CONSTRUCTION MANUAL, (2018 EDITION).
- 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.
- 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.
- ALL EXISTING TREES AND STUMPS WITHIN THE PUBLIC RIGHT-OF-WAY AND LIMIT OF THE PROJECT SHALL BE REMOVED AS CLEARING AND GRUBBING, AS DEPICTED IN THE CONSTRUCTION PLANS, UNLESS DIRECTED OTHERWISE.
- SEED AND MULCH ALL DISTURBED AREAS NOT COVERED BY SOD UNLESS DIRECTED OTHERWISE.
- ALL PAVEMENT OFFSETS DEPICTED IN THE CONSTRUCTION PLANS ARE TO THE PROPOSED CENTERLINE OF CONSTRUCTION, WHEREAS RADIUS DIMENSIONS ARE TO THE EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
- TURNOUT LOCATIONS AND WIDTHS DEPICTED IN THE CONSTRUCTION PLANS ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY OR AS DIRECTED BY THE ENGINEER OF RECORD. ALL TURNOUTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT INDEX NO. 515.
- 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 CONSTRUCTION PLANS AND/OR DESIGNATED BY THE ENGINEER OF RECORD.
- THE INFORMATION DEPICTED IN THE CONSTRUCTION PLANS CONCERNING THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON AVAILABLE RECORDS AND SURVEYS, BUT IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR SHALL MAKE 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.
- PRIOR TO ORDERING DRAINAGE STRUCTURES, THE CONTRACTOR SHALL DETERMINE IF DRAINAGE UTILITY CONFLICTS EXIST. INFORMATION ABOUT POSSIBLE CONFLICTS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR A RESOLUTION, AS SOON AS POSSIBLE AFTER DISCOVERY OF SUCH CONFLICTS.
- THE CONTRACTOR SHALL NOTIFY ALL GAS UTILITY COMPANIES A MINIMUM OF TWO WORKING DAYS PRIOR TO EXCAVATION AS REQUIRED BY CHAPTER 77-153, LAWS OF FLORIDA, PROTECTION OF GAS PIPELINES, OF THE FLORIDA STATE STATUTES.
- 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 PUBLIC ROAD CONSTRUCTION SPECIFICATIONS.
- ALL CURB INLETS, DITCH BOTTOM INLETS, AND MANHOLES SHALL HAVE TRAFFIC BEARING FRAMES AND COVERS OR GRATES MEETING HS-20 LOADING REQUIREMENTS.
- 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 OF THE PROJECT FOR THE MODIFICATION OF PRECAST STRUCTURES.
- ALL BENCHMARKS (IRONS AND MONUMENTS) DEPICTED IN THE CONSTRUCTION PLANS, IF FOUND, SHALL BE PRESERVED. THOSE SHOWN IN PROPOSED PAVEMENT SHALL BE PROTECTED WITH A CAST IRON VALVE BOX.
- 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 OF RECORD, WITHOUT DELAY, BY TELEPHONE. THE CONTRACTOR SHALL PROVIDE WRITTEN FOLLOW UP CONFIRMATION WITHIN 48-HOURS OF TELEPHONE NOTIFICATION.

GENERAL NOTES CONTINUED:

- PRIOR TO BEGINNING OF ANY CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD 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 NATIONAL GEODETIC VERTICAL DATUM (NGVD 29). ALL SUBMITTALS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA.
- 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 OF MOBILIZATION SHALL BE PASSED UNTIL THE RIGHT-OF-WAY HAS BEEN STAKED TO THE SATISFACTION OF THE ENGINEER OF RECORD.
- 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 OF RECORD, AND BOTH SHALL NOTIFY THE STATE OF FLORIDA GEODETIC ADVISOR, STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF STATE LANDS, BUREAU OF SURVEY AND MAPPING, MAIL STATION 105, 3900 COMMONWEALTH BLVD., TALLAHASSEE, FL 32399-300, PHONE: (850) 245-2606.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ACQUIRE ALL NECESSARY RIGHT-OF-WAY UTILIZATION 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 OF THE STATE OF FLORIDA, THE CONTRACTOR SHALL ACQUIRE THE REQUIRED PERMITS FROM THESE AGENCIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND IN-HAND BEFORE BEGINNING ANY CONSTRUCTION.
- THE LOCATIONS OF ALL EXISTING UTILITIES, STORM DRAINAGE SYSTEMS, AND TOPOGRAPHIC FEATURES DEPICTED IN THE CONSTRUCTION PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER OF RECORD ASSUMES NO RESPONSIBILITY FOR THEIR INACCURACY. SHOULD A DISCREPANCY ARISE BETWEEN THE CONSTRUCTION PLANS AND THE ACTUAL FIELD CONDITIONS, WHICH WOULD SUBSTANTIALLY AFFECT THE EXECUTION OF THE PLANS, THE CONTRACTOR SHALL HALT CONSTRUCTION AND IMMEDIATELY NOTIFY THE ENGINEER OF RECORD.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE CITY AT LEAST 48-HOURS BEFORE SCHEDULING ANY INSPECTION. ALSO, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL INSPECTION CRITERIA, SCHEDULES, AND SIGNING THE SAID INSPECTIONS.
- 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 SHOWN EXCAVATIONS OR REMOVAL IS PROVIDED IN THE CONSTRUCTION PLANS OR TECHNICAL SPECIFICATIONS ON THE CONTRACT.
- 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 CONSTRUCTION PLANS OR TECHNICAL SPECIFICATIONS OF THE CONTRACT.
- ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES AND REGULATIONS.
- APPARENT ERRORS, DISCREPANCIES OR OMISSIONS IN THE CONSTRUCTION PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD BEFORE BIDDING.
- 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 INSPECTION IS SCHEDULED, 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.
- 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 IN THE CONSTRUCTION PLANS. THE CONTRACTOR SHALL NOT TAKE ADVANTAGE OF ANY APPARENT ERROR OR OMISSION IN THE CONSTRUCTION PLANS OR TECHNICAL SPECIFICATIONS AND ENGINEER OF RECORD 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.

GRADING AND DRAINAGE NOTES:

- EXISTING TOPOGRAPHY AND ROADWAY RIGHTS-OF-WAY DATA SHOWN ARE BASED UPON CERTIFIED BOUNDARY AND TOPOGRAPHIC SURVEY PROVIDED BY NIETO WHITTAKER SURVEYING, LLC.
- GEOTECHNICAL/SOIL REPORT PREPARED BY YOVAISH ENGINEERING SCIENCES, INC.
- CONTRACTOR SHALL VERIFY EXISTING TOPOGRAPHIC DATA LOCATIONS OF EXISTING UTILITIES AND ALL OTHER SITE CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
- ALL CONSTRUCTION WITHIN STREET RIGHTS-OF-WAY SHALL CONFORM TO APPLICABLE STATE AND LOCAL JURISDICTIONAL REQUIREMENTS.
- ALL OPEN DRAINAGE SWALES SHALL BE GRASSED AND R/P PAV MUST BE PLACED AS NECESSARY TO CONTROL EROSION (WHERE APPLICABLE).
- GRADING CONTRACTOR IS RESPONSIBLE FOR STRIPPING AND STOCKPILING OF TOPSOIL. THE GRADING CONTRACTOR IS ALSO RESPONSIBLE FOR SPREADING 4" OF TOPSOIL ON ALL LANDSCAPE AREAS AND REMOVING EXCESS TOPSOIL FROM SITE.
- GRADING CONTRACTOR SHALL PROVIDE AND INSTALL TOPSOIL IN DISTURBED AREAS TO BE GRASSED TO INCLUDE PAVEMENT SHOULDERS AND DETENTION AREAS.
- FOR BENCHMARK INFORMATION REFER TO CERTIFIED BOUNDARY AND TOPOGRAPHIC SURVEY PLAN.
- ALL GRADES SHOWN ARE FINISHED GRADES UNLESS NOTED OTHERWISE.
- INLET ELEVATIONS AND MANHOLE ELEVATIONS ARE TOP OF RIM.
- ALL MATERIALS, INSTALLATION, AND TESTING SHALL BE IN ACCORDANCE WITH THE CITY OF APOPKA AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. WHERE STANDARDS CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL APPLY.
- COORDINATE VALUES, IF SHOWN, ARE BASED ON A LOCAL GRID ESTABLISHED BY THE SURVEYOR.
- ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE GRADED TO ORIGINAL GROUND LINES, FINISHED WITH ARGENTINE BAHIA SOD UNLESS NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN ALL AREAS UNTIL FINAL ACCEPTANCE.
- SUBSURFACE INFORMATION FOR THIS PROJECT WAS OBTAINED FOR DESIGN PURPOSES AND MAY NOT BE AN ADEQUATE REPRESENTATION OF ACTUAL CONDITIONS AT TIME OF CONSTRUCTION. INFORMATION SHOWN, INCLUDING WATER LEVELS, REPRESENT EXISTING CONDITIONS AT SPECIFIC BORING LOCATIONS AT THE TIME THE BORINGS WERE PERFORMED.
- ALL REFERENCES TO PROPOSED CONSTRUCTION INDICATES CONSTRUCTION INCLUDED IN CONTRACT.
- ANY DIFFERING SITE CONDITIONS FROM THAT WHICH IS REPRESENTED HEREON, WHETHER ABOVE, ON OR BELOW THE SURFACE OF THE GROUND, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER OR ARCHITECT, IN WRITING, WITHIN 48 HOURS OF DISCOVERY. NO CLAIM FOR EXPENSES INCURRED BY THE CONTRACTOR DUE TO SUCH DIFFERING CONDITIONS WILL BE ALLOWED IF HE FAILS TO PROVIDE WRITTEN NOTIFICATION.
- THE GENERAL CONTRACTOR MUST VERIFY SOIL CEMENT BASE FLOW LINE ELEVATIONS BEFORE PAVING TO ENSURE POSITIVE DRAINAGE TO INLET.

STANDARD UTILITY NOTES:

- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION ACTIVITY FOR DIG PERMITS ELECTRICAL PERMITS OR OTHER PERMITS AS APPLICABLE. CONTRACTOR IS ALSO TO COORDINATE FULLY WITH UTILITY COMPANIES ON EXACT LOCATION OF UNDERGROUND UTILITIES AND ANY UTILITY ADJUSTMENT REQUIRED. UTILITIES COMPANIES SHALL BE NOTIFIED A MINIMUM OF THREE WORKING DAYS PRIOR TO EXCAVATION.
- THE LOCATION OF EXISTING UTILITIES, SUCH AS WATER MAINS, SEWER MAINS, GAS LINES, ETC. AS SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. HOWEVER, THE ENGINEER AND OWNER DO NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF THE LOCATIONS SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL UTILITY COMPANIES FORTY-EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES AND HAVE THEIR FACILITIES LOCATED IN THE FIELD PRIOR TO ANY WORK.
- WHERE APPLICABLE UTILITY TRENCHES CROSSING PAVEMENT AREAS SHALL BE BACKFILLED WITH GRANULAR MATERIAL IN TWELVE INCH (12") LAYERS AND COMPACTED TO NINETY EIGHT PERCENT (98%) MAXIMUM DENSITY AS DETERMINED BY AASHTO.
- ALL UNSUITABLE MATERIALS UNDER WATER MAIN, STORM SEWER AND SANITARY SEWER PIPES SHALL BE REMOVED AND REPLACED WITH SELECTED BACKFILL COMPACTED TO NINETY-FIVE PERCENT (95%) OF ITS MAXIMUM DENSITY AT TWO PERCENT (2%) MORE OR LESS OF OPTIMUM MOISTURE CONTENT AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D1557).
- ANY DAMAGE TO UNDERGROUND UTILITIES AND/OR STRUCTURES SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL INSTALL ALL WATER AND SEWER LINES AND SERVICES A MINIMUM OF THIRTY-SIX INCHES (36") BELOW FINISHED GRADE TO TOP OF PIPE UNLESS INDICATED OTHERWISE ON THE PLANS.
- ALL SANITARY SEWER GRAVITY PIPE SHALL BE POLYVINYL CHLORIDE (PVC) CONFORMING TO ASTM-3034, SDR 35 AND BE INSTALLED IN ACCORDANCE WITH ASTM D-2321.
- SANITARY SEWER PRESSURE PIPE SHALL BE POLYVINYL CHLORIDE PRESSURE PIPE CONFORMING TO AWWA C-900 WITH DIMENSION RATIO (DR) OF TWENTY FIVE (25) AND A MINIMUM PRESSURE CLASS OF ONE HUNDRED POUNDS PER SQUARE INCH (100 P.S.I.).
- UNLESS INDICATED OTHERWISE ON THE PLANS, SIX INCH (6") POLYVINYL CHLORIDE SEWER LATERALS SHALL HAVE A MINIMUM SLOPE OF ONE PERCENT (1.0%) AND FOUR INCH (4") POLYVINYL CHLORIDE SEWER LATERALS SHALL HAVE A MINIMUM SLOPE OF TWO PERCENT (2.0%).
- WATER SERVICE PIPE SHALL BE POLYVINYL CHLORIDE PRESSURE PIPE CONFORMING TO AWWA C-900 WITH DIMENSION RATIO (DR) OF EIGHTEEN (18) AND A MINIMUM PRESSURE CLASS OF ONE HUNDRED FIFTY POUNDS PER SQUARE INCH (150 P.S.I.).
- ALL WATER PIPE SHALL BE DISINFECTED AND HYDROSTATICALLY TESTED IN ACCORDANCE WITH AWWA STANDARDS C651, C600 OR M23 FOR POLY VINYL CHLORIDE AND LOCAL UTILITY SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE AT HIS EXPENSE, ALL NECESSARY TESTING EQUIPMENT, PRESSURE GAUGES, WATER METERS AND FACILITIES REQUIRED FOR PRESSURE AND LEAKAGE TESTING.
- FULLY RESTRAINED DUCTILE IRON PIPING, IF SPECIFIED ON THE PLANS, SHALL BE USTR FLEX OR APPROVED EQUAL.
- PVC JOINT RESTRAINT SHALL BE UNI-FLANGE SERIES 1350 OR APPROVED EQUAL.
- ALL WATER AND SANITARY SEWER IMPROVEMENTS SHALL BE INSTALLED AND MAINTAINED BY OWNER IN CONFORMANCE WITH THE LOCAL UTILITY PROVIDER.
- CONTRACTOR IS TO ADJUST ANY UTILITY ELEMENT MEANT TO BE FLUSH WITH GRADE (CLEAN OUTS, MANHOLES, CATCH BASINS, INLETS, ETC.) THAT IS AFFECTED BY SITE WORK OR GRADE CHANGES.
- ELECTRICAL, TELEPHONE, GAS, AND CABLE TELEVISION SERVICE WILL BE PROVIDED BY APPROPRIATE UTILITY COMPANIES. THE CONTRACTOR SHALL COORDINATE LOCATIONS AND SERVICES FOR THESE UTILITIES WITH THE ENTITIES INVOLVED.

UTILITY SEPARATION NOTES:

LOCATION OF PUBLIC WATER SYSTEM MAINS IN ACCORDANCE WITH F.A.C. RULE 62-365.314			
OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1)	JOINT SPACING @ CROSSINGS (2) (SEE DETAIL)
STORM SEWER, STORMWATER FORCE MAIN, RECLAIMED WATER (2)			
VACUUM SANITARY SEWER			
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN, RECLAIMED WATER (4)			
ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM			

- WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
- RECLAIMED WATER REGULATED UNDER PART II OF CHAPTER 62-415, F.A.C.
- 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.
- RECLAIMED WATER NOT REGULATED UNDER PART II OF CHAPTER 62-415, F.A.C.

DISCLAIMER - THIS DOCUMENT IS PROVIDED FOR YOUR CONVENIENCE ONLY. PLEASE REFER TO F.A.C. RULE 62-365.314 FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/26/23

GENERAL NOTES

MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
700 GEM COMMERCE COURT
APOPKA, FLORIDA 32703

ENGINEER OF RECORD

KEN EHLERS, P.E.

FLORIDA P.E. LICENSE NO. 16243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (877) 448-3812

PROJECT NAME

MICHAEL R. COOPER
CONSTRUCTION
COMPANY, INC.

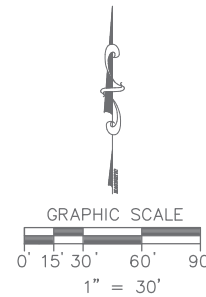
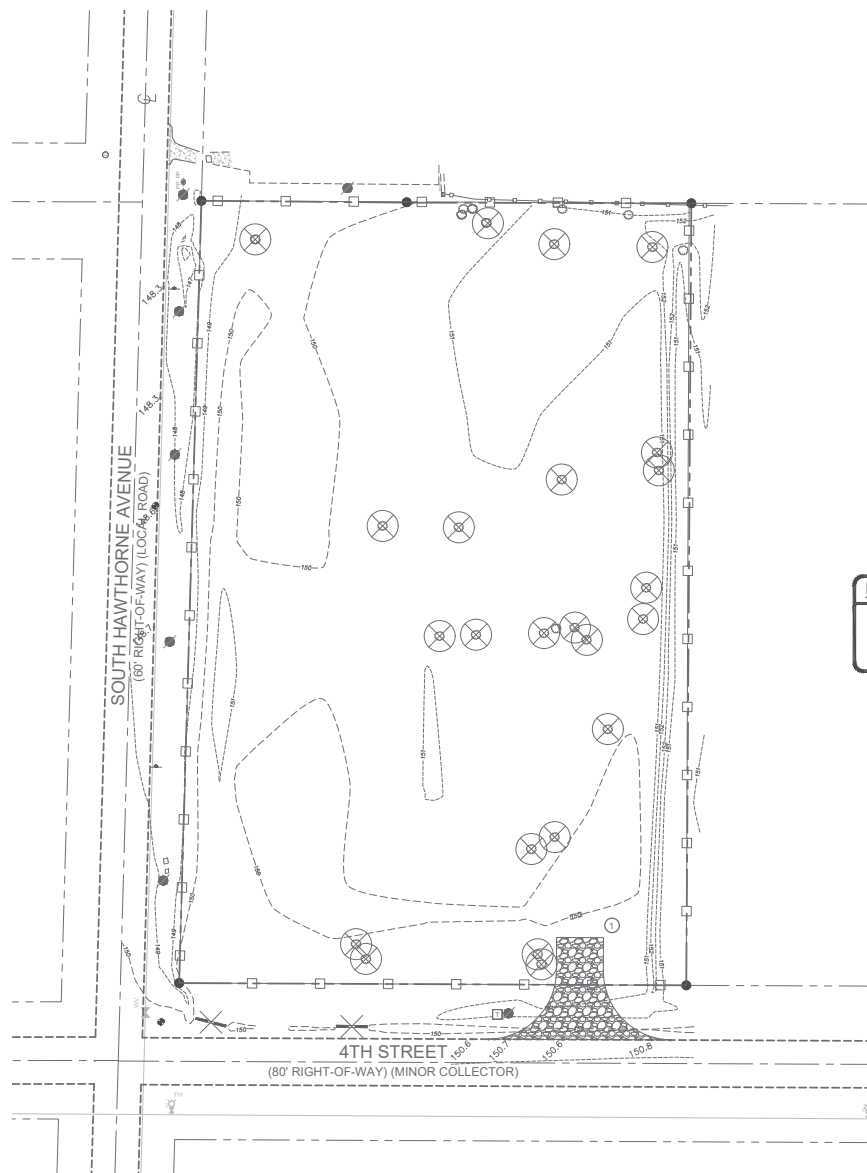
BUSINESS CENTER

DWG SHEETS 1-18	SHEET
DATE MARCH 31, 2023	3
SCALE AS SHOWN	

PROJECT UPDATE: 10/26/23

GENERAL NOTES:

1. PROTECTIVE BARRIERS ARE USED DURING LAND ALTERATION AND CONSTRUCTION. ACTIVITIES TO PROTECT TREES AND NATURAL AREAS TO BE RETAINED ON A SITE.
2. PROTECTIVE BARRIERS MUST BE ERECTED AROUND TREES TO BE RETAINED WITHIN AN AREA WHERE LAND ALTERATION AND CONSTRUCTION ACTIVITIES WILL OCCUR AS WELL AS ALONG NATURAL AREAS WHERE SUCH AREAS ARE ADJACENT TO PERMITTED LAND ALTERATION OR CONSTRUCTION ACTIVITIES. A PROTECTIVE BARRIER MUST REMAIN IN PLACE UNTIL THE LAND ALTERATION AND CONSTRUCTION ACTIVITIES ARE COMPLETED OR UNTIL COMMENCEMENT OF GRADE FINISHING AND SODDING. NO GROUND DISTURBANCE MUST OCCUR WITHIN THE BARRICADE AREA. THE FOLLOWING REPRESENTS THE COUNTY'S MINIMUM PROTECTIVE BARRIER SPECIFICATIONS.
3. TREES TO RESTRICT ACCESS INTO THE AREA WITHIN THE DRIP LINE OF A TREE. A PHYSICAL STRUCTURE NOT LESS THAN 3 FEET IN HEIGHT, COMPRISED OF WOOD OR OTHER SUITABLE MATERIAL, IS PLACED AROUND THE TREE AT THE DRIP LINE. EXCEPT WHERE LAND ALTERATION OR CONSTRUCTION ACTIVITIES ARE APPROVED WITHIN THE DRIP LINE. THE DRIP LINE OF A TREE IS THE MAGINARY, VERTICAL LINE THAT EXTENDS DOWNWARD FROM THE OUTERMOST TIPS OF THE TREE'S BRANCHES TO THE GROUND. BARRIER SPECIFICATIONS FOR TREES: FOUR CORNER UPRIGHT STAKES OF NO LESS THAN 2"x2" LUMBER CONNECTED BY HORIZONTAL MEMBERS OF NO LESS THAN 1"x4" LUMBER, OR UPRIGHT STAKES SPACED AT 5' INTERVALS OF NO LESS THAN 2"x2" LUMBER CONNECTED BY SILT SCREEN FABRIC OR MATERIAL OF COMPARABLE DURABILITY.
4. NATURAL AREAS - TO RESTRICT ACCESS INTO AREAS WHERE LAND ALTERATION AND CONSTRUCTION ACTIVITIES ARE NOT AUTHORIZED, A PHYSICAL STRUCTURE NOT LESS THAN 3 FEET IN HEIGHT IS PLACED ALONG THE PERIMETER OF SUCH BARRIER. SPECIFICATIONS FOR NATURAL AREAS: UPRIGHT STAKES OF NO LESS THAN 2"x2" LUMBER SPACED NO MORE THAN 25' APART AND CONNECTED BY TWINE. FLAGGED WITH PLASTIC SURVIVING TAPE AT REGULAR INTERVALS OF 5'-10'. OTHER METHODS OF DEMARCATION WILL BE CONSIDERED DEPENDING UPON THE CHARACTERISTICS OF THE SITE. A. TO PROTECT ALL ABOVE GROUND PORTIONS OF TREES AND OTHER SIGNIFICANT VEGETATION FROM MECHANICAL DAMAGE. B. TO PROTECT ROOT SYSTEMS FROM COMPACTION. C. TO PROVIDE AWARENESS OF PROTECTED AREAS TO EQUIPMENT.
5. DURING LAND ALTERATIONS AND CONSTRUCTION ACTIVITIES, IT SHALL BE UNLAWFUL, UNLESS APPROVED BY THE CITY OF APOPKA, TO REMOVE VEGETATION (EXCEPT BY HAND) BY GRUBBING OR TO PLACE SOIL DEPOSITS, DEBRIS, SOLVENTS, CONSTRUCTION MATERIAL, MACHINERY OR OTHER EQUIPMENT OF ANY KIND WITHIN THE DRIP LINE OF A TREE TO REMAIN ON-SITE.
6. ALL TRIMMING UNDERTAKEN ON A TREE PROTECTED BY THE PROVISIONS OF THE LAND DEVELOPMENT CODE SHALL BE IN ACCORDANCE WITH THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A-300 PRUNING STANDARDS.
7. IN ORDER TO MINIMIZE SOIL EROSION, PROPOSED LAND ALTERATION ACTIVITIES SHALL NOT UNNECESSARILY REMOVE EXISTING VEGETATION AND ALTER EXISTING TOPOGRAPHY. ADEQUATE MEASURES (I.E. HAY BALES, BAFFLES, SODDING, AND SANDBAGGING) SHALL BE PROVIDED, AS NECESSARY, TO MINIMIZE EROSION AND DOWNSTREAM SEDIMENTATION CAUSED BY SURFACE WATER RUN-OFF ON EXPOSED LAND SURFACES.
8. NO EXCAVATION SHALL EXTEND BELOW THE PERMITTED DESIGN DEPTHS/ELEVATIONS SHOWN ON THE DRAWINGS, UNLESS ADDITIONAL TESTING SUPPORTS OTHERWISE; AND NO LOWER SEMI-CONFINING UNIT CLAYEY SOIL MATERIAL AND/OR NO LIMESTONE MATERIALS SHALL BE EXCAVATED, REGARDLESS IF THESE MATERIALS ARE ENCOUNTERED WITHIN THE PERMITTED EXCAVATION DEPTHS/ELEVATIONS. IF ANY LOWER SEMI-CONFINING UNIT CLAY SOIL MATERIALS OR LIMESTONE MATERIALS ARE ENCOUNTERED ABOVE THE PERMITTED DEPTHS/ELEVATIONS, THEN EXCAVATION OPERATIONS SHALL CEASE IN THE GENERAL AREA.
9. THE CONTRACTORS IS RESPONSIBILITY TO ENSURE THE INSTALLATION OF ADEQUATE EROSION CONTROL AS REQUIRED BY CITY OF APOPKA, AND PER PLANS. THESE DEVICES MUST BE MAINTAINED IN GOOD CONDITION THROUGHOUT THE CONSTRUCTION PROCESS AND UNTIL ALL LOOSE SOILS HAVE STABILIZED. ALL EROSION CONTROL DEVICES SHALL BE INSPECTED REGULARLY DURING CONSTRUCTION.
10. ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATIVE MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETESTER SOIL DISTURBANCE. SODDING, PLUGGING, SPRIGGING OR SEEDING IS ACCEPTABLE FOR STABILIZATION. HOWEVER, SODDING MAY BE REQUIRED IN AREAS OF EROSION-PRONE SOILS OR WHERE SLOPES ARE GREATER THAN 5:1. NO VEGETATION OTHER THAN GRASS IS ACCEPTABLE UNLESS OTHERWISE SPECIFIED.
11. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION.
12. EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM WITH CITY OF APOPKA SPECIFICATIONS, SUBJECT TO AUTHORIZATION AND APPROVED VARIANCES, WAIVERS, AND/OR CONDITIONAL CHANGES.
13. THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN AT PRE-CONSTRUCTION CONFERENCE. CONTRACTORS SHALL USE BEST MANAGEMENT PRACTICES IN CONTROLLING EROSION AND SEDIMENT DURING CONSTRUCTION.
14. CLEARED AREAS FOR IMPROVEMENT AND/OR CONSTRUCTION SHALL BE WATERED TO PREVENT WIND EROSION.
15. ONLY TREES MARKED WILL BE REMOVED.



TREE PROTECTION

EXISTING TREES SHALL BE MAINTAINED TO THE GREATEST EXTENT POSSIBLE AND PROTECTED DURING CONSTRUCTION PER THE CITY'S DEVELOPMENT DESIGN GUIDELINES SECTION 4.5.

EXISTING UNDERGROUND AND OVERHEAD UTILITIES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING SIZE, MATERIAL TYPE, LOCATION, DEPTH AND CONDITION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO CONSTRUCTION. THE ENGINEER-OF-RECORD HAS NO RESPONSIBILITY WITH REGARD TO THE COMPLETENESS OR ACCURACY OF THE INFORMATION SHOWN ON THIS PLAN WITH REGARD TO THE EXISTENCE OR NON-EXISTENCE OF UNDERGROUND AND/OR OVERHEAD UTILITIES.

CONSTRUCTION NOTES:

- ① GRAVEL CONSTRUCTION ENTRANCE

LEGEND

- SILT FENCE
- TREE TO BE REMOVED
- TO BE REMOVED

48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

DEMOLITION PLAN

SCALE: 1" = 30'

PROJECT UPDATE: 10/26/23

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/26/23

DEMOLITION PLAN
MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
700 GEM COMMERCE COURT
APOPKA, FLORIDA 32703

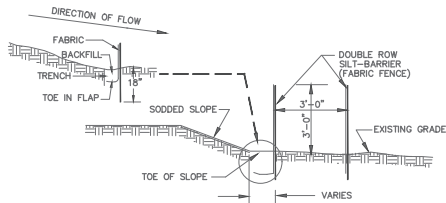
ENGINEER OF RECORD
KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 18243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (877) 468-3412

PROJECT NAME
MICHAEL R. COOPER
CONSTRUCTION
COMPANY, INC.
BUSINESS CENTER

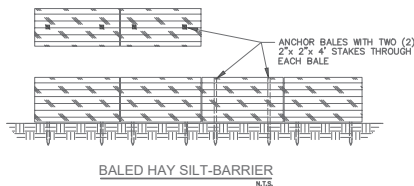
DWG SHEETS 1-18	SHEET
DATE MARCH 31, 2023	4
SCALE AS SHOWN	

EXISTING UNDERGROUND AND OVERHEAD UTILITIES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING SIZE, MATERIAL TYPE, LOCATION, DEPTH AND CONDITION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO CONSTRUCTION. THE ENGINEER-OF-RECORD HAS NO RESPONSIBILITY WITH REGARD TO THE COMPLETENESS OR ACCURACY OF THE INFORMATION SHOWN ON THIS PLAN WITH REGARD TO THE EXISTENCE OR NON-EXISTENCE OF UNDERGROUND AND/OR OVERHEAD UTILITIES.



FABRIC FENCE SILT-BARRIER
N.T.S.



BALED HAY SILT-BARRIER
N.T.S.

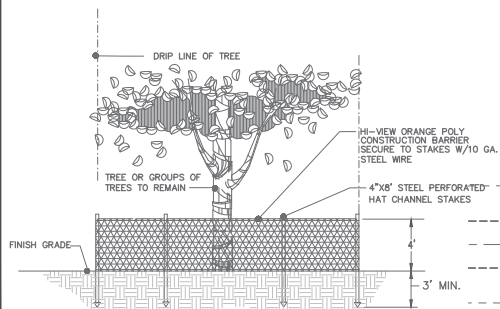
PERIMETER EROSION AND SEDIMENT CONTROL

NOTES:

- CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE. THE BARRIER MUST REMAIN IN PLACE UNTIL UPLAND VEGETATION IS ESTABLISHED.
- BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

SILT BARRIER DETAIL

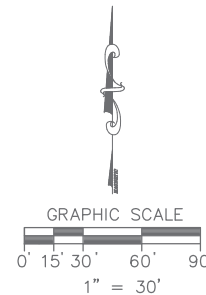
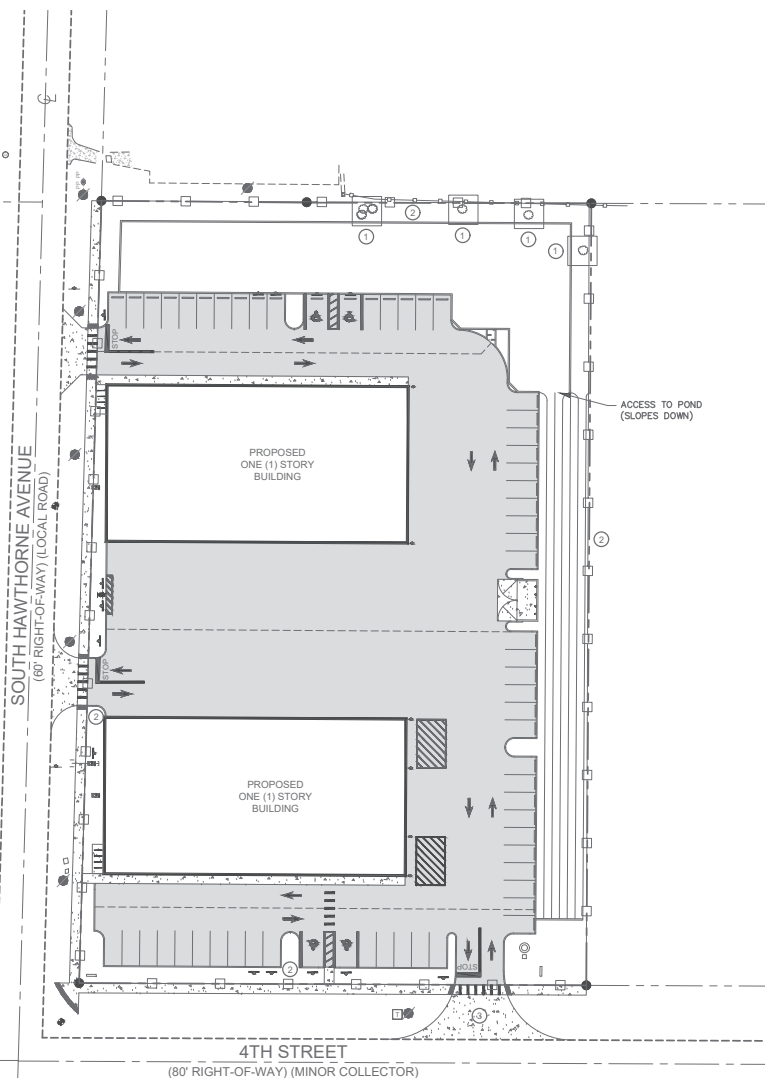
NOT TO SCALE



NOTE:
NO STOCKPILING OF MATERIALS, TRASH OR DEBRIS SHALL BE PERMITTED WITHIN THE BARRIER.

TREE PROTECTION BARRIER

NOT TO SCALE



EROSION CONTROL NOTES:

- ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO STANDARDS OF THE CITY OF APOPKA AND THE ST. JOHN'S RIVER WATER MANAGEMENT DISTRICT.
- EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN CONSTRUCTION. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.
- SUCH MATERIALS FROM WORK ON THIS PROJECT SHALL BE CONTAINED, AND NOT ALLOWED TO COLLECT ON ANY OFF-PERIMETER AREAS OR IN WATERWAYS. THESE INCLUDE BOTH NATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND PONDS.
- DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE EFFECTIVENESS OF THE EFFORTS. ANY NECESSARY REMEDIES SHALL BE PERFORMED WITHOUT DELAY.
- ALL MUD, DIRT OR OTHER MATERIALS TRACKED OR SPILLED ONTO EXISTING STATE-COUNTY-CITY OR PRIVATE ROADS AND FACILITIES FROM THIS SITE, DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR/BUILDER.
- PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES OR ANY DISTURBED LAND AREAS SHALL BE COMPLETED WITHIN 15 CALENDAR DAYS AFTER FINAL GRADING. WHEN IT IS NOT POSSIBLE TO PERMANENTLY PROTECT A DISTURBED AREA IMMEDIATELY AFTER GRADING OPERATIONS, TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED. ALL TEMPORARY PROTECTION SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED. A CERTIFICATE OF COMPLIANCE WILL NOT BE ISSUED UNTIL THE ABOVE REQUIREMENTS HAVE BEEN MET.
- EROSION CONTROL PLANS TO BE SUBMITTED TO THE CITY OF APOPKA.

CONSTRUCTION NOTES:

- TREE PROTECTION BARRIER, SEE DETAIL.
- SEE SILT FENCE DETAIL.
- GRAVEL CONSTRUCTION ENTRANCE (SEE PLAN SHEET 4)

TREE PROTECTION

EXISTING TREES SHALL BE MAINTAINED TO THE GREATEST EXTENT POSSIBLE AND PROTECTED DURING CONSTRUCTION PER THE CITY'S DEVELOPMENT DESIGN GUIDELINES SECTION 4.5.

LEGEND

SILT FENCE

48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/26/23

**STORM WATER POLLUTION
PREVENTION PLAN**
MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
700 GEM COMMERCE COURT
APOPKA, FLORIDA 32703

ENGINEER OF RECORD

KEN EHLERS, P.E.

FLORIDA P.E. LICENSE NO. 16243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (877) 468-3612

PROJECT NAME

MICHAEL R. COOPER
CONSTRUCTION
COMPANY, INC.

BUSINESS CENTER

DWG SHEETS 1-18

DATE

MARCH 31, 2023

SCALE

AS SHOWN

5

STORM WATER POLLUTION PREVENTION PLAN

SCALE: 1" = 30'

PROJECT UPDATE: 10/26/23

PROPERTY BOUNDARY INFORMATION

PROPERTY BOUNDARY:	BEARING:	LENGTH:
PB1	S 89°28'44" E	104.91'
PB2	S 89°51'34" E	145.62'
PB3	S 00°22'15" W	399.86'
PB4	N 89°44'52" W	259.33'
PB5	N 01°37'55" E	400.20'

CONSTRUCTION PHASING

SINGLE PHASE

RETAINING WALL

OWNED AND MAINTAINED BY THE PROPERTY OWNER

DRAINAGE OPENINGS IN RETAINING WALL

NUMBER:	TYPE OF OPENING:	INVERT:	HEIGHT:	LENGTH:
DB-1	RECTANGLE	148.00'	2.00'	6.00'

GREEN BUILDING POINTS

SEE COVER FOR TABLE 5.11.4.B GREEN BUILDING POINT SYSTEM	
TRANSPORTATION	
NUMBER:	ITEM:
GB-1	HYBRID/ELECTRIC/LOW ENERGY PARKING SPACES
GB-2	BICYCLE PARKING (MORE THAN REQUIRED)
GB-3	ELECTRIC VEHICLE CHARGING STATIONS

DRAINAGE AND GENERAL NOTES

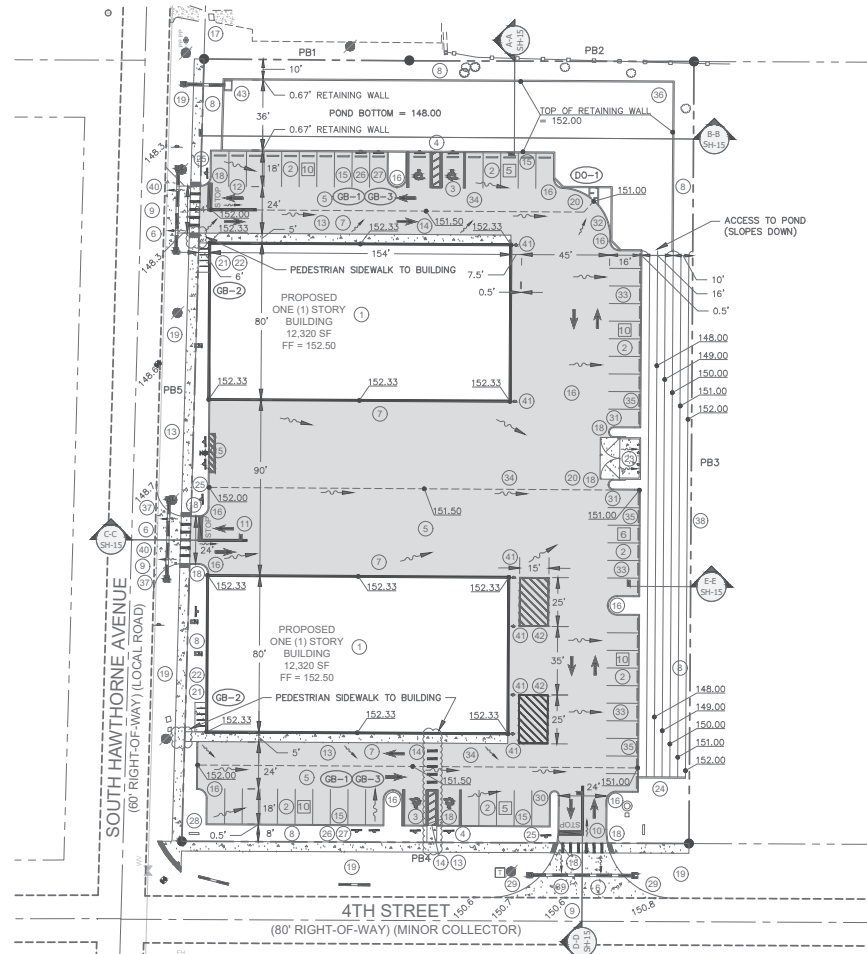
- ALL PIPING IS MANUFACTURED BY ADVANCE DRAINAGE SYSTEMS.
- ALL CONCRETE STRUCTURES MANUFACTURED BY MACK CONCRETE.
- VEHICLE PARKING IS PROHIBITED ON THE SPINE ROADS (SOUTH HAWTHORNE AVE. & 4TH STREET).
- CONTRACTOR TO GRADE SOILS SO THAT THE ELEVATIONS ARE 0.10' BELOW IMMEDIATE ADJACENT SIDEWALK.
- ALL CONCRETE SIDEWALKS ARE TO BE CONSTRUCTED AT 2.00% MAXIMUM SLOPE PER THE ADA.
- THE BUILDING AND ALL PROPOSED INFRASTRUCTURES, E.G., PAVEMENT, DRAINAGE, SIDEWALKS, SANITARY COLLECTION, POTABLE WATER AND FIRE PROTECTION, ETC. WILL BE CONSTRUCTED IN SINGLE PHASE.
- NO OUTSIDE STORAGE OR MAINTENANCE.
- INTENDED USE: MIXED USE DEVELOPMENT.
- DIRECTIONAL ARROWS PER FOOT STANDARD INDEX 17346 (LATEST EDITION).

SURVEY NOTES:

- THIS PLAN INDICATES THE LOCATION OF THE PROPERTY BOUNDARY, AS PROVIDED BY NIETO WHITTAKER, LLC, A FLORIDA LICENSED LAND SURVEYING COMPANY.
- THE ENGINEER OF RECORD DOES NOT CERTIFY TO THE CORRECTNESS OF THE BOUNDARY, WHICH HAS BEEN PROVIDED FOR INFORMATIONAL AND CIVIL ENGINEERING DESIGN PURPOSES ONLY.

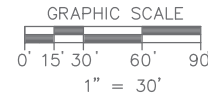
SITE DATA TABLE

CURRENT ZONING:	MU-D	FLOOR AREA RATIO ALLOWED:	= 0.25	PARKING REQUIREMENTS:	
FUTURE LAND USE:	REQUEST TO REZONE TO PU-D (REZONING IN PROGRESS)	FLOOR AREA RATIO PROVIDED:	= 0.23	2 SPACES PER 1,000 SF OF BUILDING AREA	
BUILDING SETBACK:		INDIVIDUAL BUILDING INFORMATION:		1 SPACE PER 250 SF OFFICE AREA	
FRONT = N/A (FACING SOUTH HAWTHORNE AVE.)		TOTAL SQUARE FOOTAGE	= 12,320 SF	2 SPACES X (24,640 SF/1,000 SF) = 50 SPACES	
N SIDE = N/A (FACING 4TH STREET)		MAX. BUILDING HEIGHT	= 75 FT	1 SPACE X (0,000 SF/250 SF) = 00 SPACES	
S SIDE = N/A		ACTUAL BUILDING HEIGHT	= 36 FT	TOTAL SPACES REQUIRED = 50	
REAR = N/A					
LANDSCAPE BUFFER:		PROPOSED CONDITIONS:		PARKING PROVIDED:	
FRONT = N/A (FACING SOUTH HAWTHORNE AVE.)		IMPERVIOUS (BUILDINGS)	= 24,640 SF = 0.566 AC (23.28%)	56 SPACES @ 9'x18' (REGULAR)	
N SIDE = N/A		IMPERVIOUS (DRIVEWAYS)	= 47,424 SF = 1.089 AC (44.80%)	4 SPACES @ 12'x18' (HANDICAP)	
S SIDE = N/A (FACING 4TH STREET)		PERVIOUS	= 33,787 SF = 0.775 AC (31.92%)	60 SPACES TOTAL PROVIDED	
REAR = N/A		TOTAL	= 105,851 SF = 2.430 AC (100.00%)	PARCEL ID NUMBERS:	
				09-21-28-0196-10-250	



SITE DEVELOPMENT PLAN

SCALE: 1" = 30'



CONSTRUCTION NOTES:

- CONSTRUCT ONE (1) STORY BUILDING. SEE ARCHITECTURAL PLANS FOR DOOR AND WINDOW LOCATIONS PLUS DIMENSIONS.
- STRIPE THE PROPOSED REGULAR PARKING SPACES PER THE MANUAL ENTITLED 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES' (MUTCD).
- STRIPE AND SIGN THE PROPOSED HANDICAPPED PARKING SPACES PER THE DOCUMENTS ENTITLED 'AMERICANS WITH DISABILITIES ACT' (A.D.A. & THE MUTCD).
- INSTALL FTP-25 STANDARD HANDICAPPED PARKING SIGNS PER FOOT STANDARD INDEX (LATEST EDITION). PROVIDE A SIGN THAT SAYS SPACE IS 'VAN ACCESSIBLE' PER LDC SEC. 5.1.5.
- CONSTRUCT 1 1/2" ASPHALTIC CONCRETE SURFACE (TYPE 5-III), 6" LIMEROCK AND 12" STABILIZED SUBBASE.
- RIGHT-OF-WAY: CONSTRUCT 6" REINFORCED CONCRETE WITH 6" X 6" 10X10 WWF OR FIBERMESH, 12" STABILIZED SUBBASE (REFER TO PLAN SHEETS 13 FOR CONSTRUCTION DETAILS.)
- INSTALL DOWNSPOUT TO BE TIED INTO STORMWATER DRAINAGE SYSTEM (SEE PLAN SHEET 13).
- ALL GREEN AREAS TO BE SODDED AND/OR LANDSCAPED.
- MATCH EDGE OF EXISTING PAVEMENT WITH SAW CUT.
- CONSTRUCT 12.50 LF OF 24" STOP BAR AND STOP SIGN.
- CONSTRUCT 16.85 LF OF 24" STOP BAR AND STOP SIGN.
- CONSTRUCT 13.84 LF OF 24" STOP BAR AND STOP SIGN.
- CONSTRUCT 5' WIDE CONCRETE SIDEWALK AT 2.00% MAXIMUM GRADE. (SEE PLAN SHEET 12) (DRAIN AWAY FROM BUILDING).
- SIDEWALK ELEVATION FLUSH WITH PAVEMENT.
- CONSTRUCT STANDARD FOOT TYPE 'D' CURB PER THE FOOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX 300, LATEST EDITION.
- ALL CURB RADII ARE 4'-6" AS MEASURED FROM THE INSIDE FACE OF CURB UNLESS OTHERWISE NOTED.
- EXISTING DRAINAGE STRUCTURE. CONTRACTOR TO VERIFY RIM ELEVATION.
- 3" CONCRETE CURB TAPER.
- REPLACE EXISTING SOD EQUAL TO OR BETTER THAN ORIGINAL CONDITION.
- CONTRACTOR TO ENSURE POSITIVE FLOW TO FLUME.
- CONCRETE BIKE RACK PAD ELEVATION FLUSH WITH SIDEWALK.
- CONSTRUCT 6' WIDE CONCRETE BIKE RACK PAD WITH FOUR (4) BIKE RACKS (DRAIN AWAY FROM BUILDING).
- DUMPSTER ENCLOSURE (SEE PLAN SHEET 8). 21'-4" X 10'-0" X 6" THICK CONCRETE PAD (SEE PLAN SHEET 13).
- CONSTRUCT EMERGENCY OUTFALL DRAINAGE CONTROL STRUCTURE (SEE PLAN SHEET 13).
- CONTRACTOR TO INSTALL STOP SIGN.
- TWO (2) ELECTRIC CAR PARKING ONLY SIGNS.
- TWO (2) ELECTRIC CAR CHARGING STATIONS.
- MONUMENT SIGN: 5'-0" X 3'-0" (SEE PLAN SHEET 13).
- CONSTRUCT 35' RADII.
- CONSTRUCT 2' RADIUS MEASURED FROM INSIDE FACE OF CURB.
- CONSTRUCT 2'-3" RADIUS MEASURED FROM INSIDE FACE OF CURB.
- CONSTRUCT 25' RADIUS MEASURED FROM INSIDE FACE OF CURB.
- CONTRACTOR TO ENSURE POSITIVE FLOW TO SWALE.
- DRAINAGE VALLEY.
- CONSTRUCT FLUSH CURB (SEE PLAN SHEET 13).
- 4' HIGH RETAINING WALL (TRINITY SYSTEM) WITH 4' HIGH BLACK CHAIN LINK FENCE.
- CONSTRUCT 15' RADII.
- CONSTRUCT 2' WIDE BERM.
- CONSTRUCT 57 LF OF 18" HDPE DRAINAGE PIPE WITH MITERED END SECTIONS AT FINISHED GRADE.
- CONSTRUCT 45 LF OF 18" HDPE DRAINAGE PIPE WITH MITERED END SECTIONS AT FINISHED GRADE.
- CONCRETE BOLLARD.
- LOADING ZONE: 15' WIDE X 25' LONG.
- CONSTRUCT EMERGENCY OVERFLOW TYPE 'C' DRAINAGE STRUCTURE WITH 25' OF 15" HDPE PIPE @ 1.00% AND MITERED END SECTION WITH INVERT SET AT 147.75' (SEE PLAN SHEET 13).

48 HOURS BEFORE DIGGING
CALL TOL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/26/23

SITE DEVELOPMENT PLAN
MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
700 GEM COMMERCE COURT
APOPKA, FLORIDA 32703

ENGINEER OF RECORD
KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 16243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (877) 468-3412

PROJECT NAME
**MICHAEL R. COOPER
CONSTRUCTION
COMPANY, INC.**
BUSINESS CENTER

DWG SHEETS 1-18	SHEET
DATE MARCH 31, 2023	6
SCALE AS SHOWN	

PROJECT UPDATE: 10/26/23

SANITARY SEWER STRUCTURE TABLE				
STRUCTURE NUMBER	STRUCTURE TYPE	RIM	INVERTS	
(S-1)	TIE-IN POINT	-	145.45 N	
(S-2)	CLEANOUT	F.G.	146.68 N	
(S-3)	CLEANOUT	F.G.	148.66 W	
(S-4)	CLEANOUT	F.G.	147.43 N	
(S-5)	CLEANOUT	F.G.	149.41 W	
(S-6)	TWO-WAY CLEANOUT	151.50	148.68 S	
(S-7)	TWO-WAY CLEANOUT	151.50	147.84 S	
(S-8)	TWO-WAY CLEANOUT	151.50	147.29 S	
(S-9)	TWO-WAY CLEANOUT	151.50	149.43 N	
(S-10)	TWO-WAY CLEANOUT	151.50	148.59 N	
(S-11)	TWO-WAY CLEANOUT	151.50	148.04 N	

- UTILITY AND GENERAL NOTES

 - POTABLE AND RECLAIMED WATER METERS TO BE INSTALLED BY THE
 - ALL EXISTING UNDERGROUND UTILITIES (WATER, GAS, ELECTRIC, CABLE, ETC.) MUST BE MAINTAINED, SCREENED (INCLUDING AT THE REAR OF THE BUILDING),
 - ALL EXISTING OVERHEAD UTILITIES (ELECTRIC, CABLE, ETC.) MUST BE MAINTAINED
 - SEWER LINES SHALL BE TWO (2) INCHES DIA. VALVE METERS, BACKFLOW

WATER USAGE CALCULATIONS	
NOTE: SEWER IS THE SAME AS WATER	
ITEM:	NUMBER OF FUS:
(W-1) (W-2) (W-3) (W-4) (W-5) (W-6)	
30 FUS X 6 = 180 FUS	
180 FUS X 25 GALLONS = 4,500 GALLONS PER DAY	

PRIVATE LIFT STATION

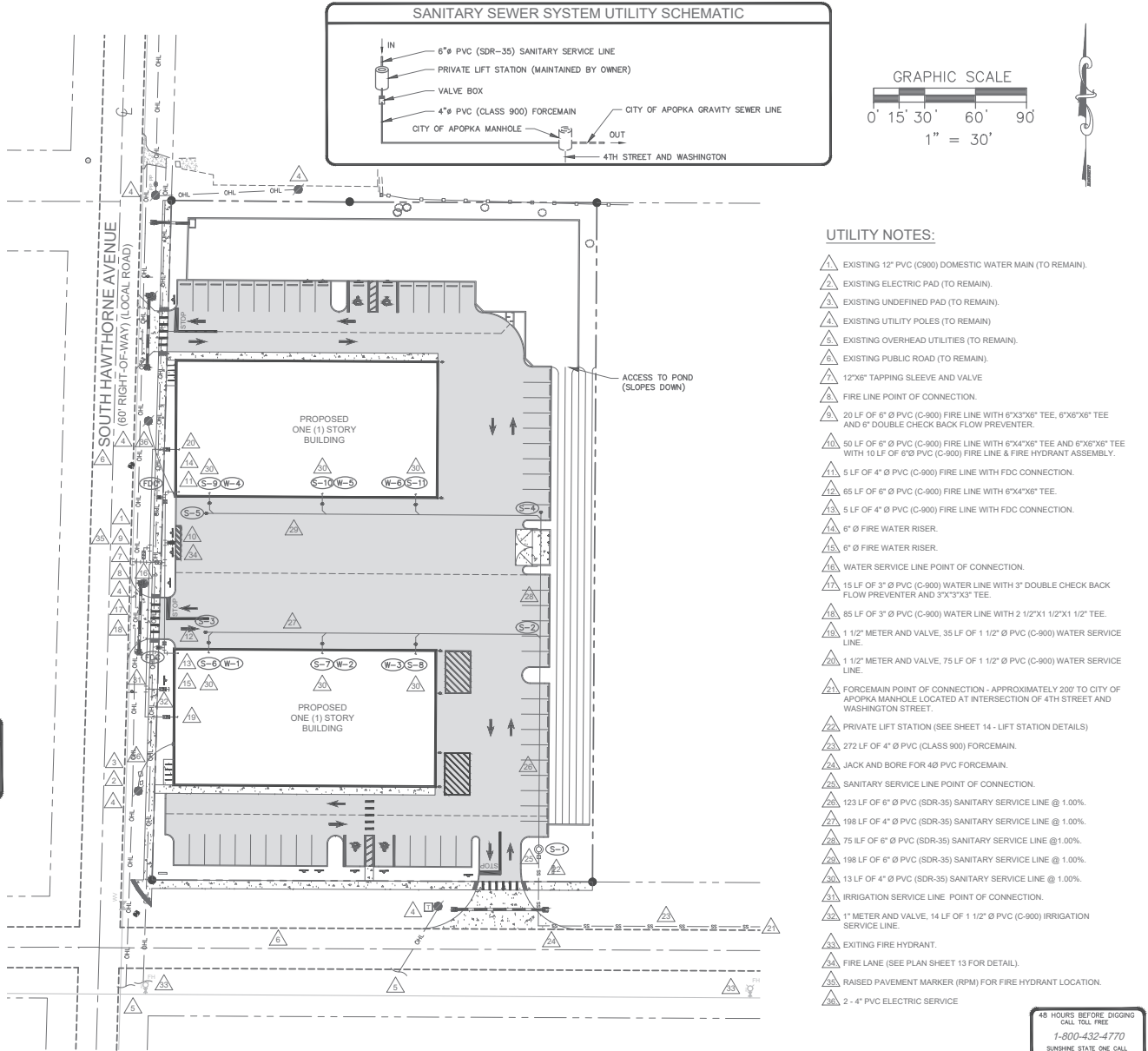
OWNED AND MAINTAINED BY THE PROPERTY OWNER

EXISTING UNDERGROUND AND OVERHEAD UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING SIZE, MATERIAL TYPE, LOCATION, DEPTH AND CONDITION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO CONSTRUCTION. THE ENGINEER OF RECORD HAS NO RESPONSIBILITY WITH REGARD TO THE COMPLETENESS AND/OR ACCURACY OF INFORMATION SHOWN ON THIS PLAN WITH REGARD TO THE EXISTING AND/OR NON-EXISTENCE OF UNDERGROUND OR OVERHEAD UTILITIES.

- FIRE PROTECTION NOTES

 - ALL ROADWAYS, WATER LINE INFRASTRUCTURE AND FIRE HYDRANTS SHALL BE IN PLACE BEFORE BUILDING CONSTRUCTION MAY BEGIN.
 - FIRE HYDRANTS MUST BE LOCATED WITHIN 250 FEET OF ALL BUILDINGS.
 - FOLLOW CURRENT NFPA AND FLORIDA FIRE PREVENTION CODE 7TH EDITION CONCERNING FIRE AND LIFE SAFETY.
 - ALL BUILDINGS OVER 7,500 SF WILL BE REQUIRED TO HAVE AUTOMATIC FIRE SPRINKLER SYSTEM.
 - BUILDINGS MUST BE MONITORED BY AN AUTOMATIC FIRE ALARM SYSTEM IF REQUIRED TO HAVE SPRINKLERS.
 - FIRE DEPARTMENT WILL REQUIRE A REMOTE FDC FOR THE FIRE SPRINKLER SYSTEM LOCATED WITHIN 25 FEET OF A HYDRANT.
 - PROVIDE A FIRE LANE AT THE FDC LOCATION AND HYDRANTS.
 - KNOX BOXES WILL NEED TO BE PROVIDED FOR EACH BUILDING.
 - IF GATED MUST HAVE YELP SIREN ACTIVATION AND KEY CODE 1882 FOR EMERGENCY ACCESS AND KNOX KEY SWITCH.
 - IF RACKS ARE INSTALLED, ANY STORAGE OVER 10 FT WILL REQUIRE A ESFR SPRINKLER SYSTEM OR HEADS WILL NEED TO BE INSTALLED IN THE RACKS.



UTILITY PLAN

SCALE: 1" = 30'

- UTILITY NOTES:

 - EXISTING 12" PVC (C900) DOMESTIC WATER MAIN (TO REMAIN).
 - EXISTING ELECTRIC PAD (TO REMAIN).
 - EXISTING UNDEFINED PAD (TO REMAIN).
 - EXISTING UTILITY POLES (TO REMAIN).
 - EXISTING OVERHEAD UTILITIES (TO REMAIN).
 - EXISTING PUBLIC ROAD (TO REMAIN).
 - 12"x6" TAPPING SLEEVE AND VALVE
 - FIRE LINE POINT OF CONNECTION.
 - 20 LF OF 6" Ø PVC (C-900) FIRE LINE WITH 6"x3"x6" TEE, 6"x6"x6" TEE AND 6" DOUBLE CHECK BACK FLOW PREVENTER.
 - 50 LF OF 6" Ø PVC (C-900) FIRE LINE WITH 6"x4"x6" TEE AND 6"x6"x6" TEE WITH 10 LF OF 6"x3"x6" PVC (C-900) FIRE LINE & FIRE HYDRANT ASSEMBLY.
 - 5 LF OF 4" Ø PVC (C-900) FIRE LINE WITH FDC CONNECTION.
 - 65 LF OF 6" Ø PVC (C-900) FIRE LINE WITH 6"x4"x6" TEE.
 - 5 LF OF 4" Ø PVC (C-900) FIRE LINE WITH FDC CONNECTION.
 - 6" Ø FIRE WATER RISER.
 - 6" Ø FIRE WATER RISER.
 - WATER SERVICE LINE POINT OF CONNECTION.
 - 15 LF OF 3" Ø PVC (C-900) WATER LINE WITH 3" DOUBLE CHECK BACK FLOW PREVENTER AND 3"x3"x3" TEE.
 - 85 LF OF 3" Ø PVC (C-900) WATER LINE WITH 2 1/2"x1 1/2" TEE.
 - 1 1/2" METER AND VALVE, 35 LF OF 1 1/2" Ø PVC (C-900) WATER SERVICE LINE.
 - 1 1/2" METER AND VALVE, 75 LF OF 1 1/2" Ø PVC (C-900) WATER SERVICE LINE.
 - FORCEMAIN POINT OF CONNECTION - APPROXIMATELY 200' TO CITY OF APOPKA MANHOLE LOCATED AT INTERSECTION OF 4TH STREET AND WASHINGTON STREET.
 - PRIVATE LIFT STATION (SEE SHEET 14 - LIFT STATION DETAILS)
 - 272 LF OF 4" Ø PVC (CLASS 900) FORCEMAIN.
 - JACK AND BORE FOR 40" PVC FORCEMAIN.
 - SANITARY SERVICE LINE POINT OF CONNECTION.
 - 123 LF OF 6" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
 - 198 LF OF 4" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
 - 75 LF OF 6" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
 - 198 LF OF 6" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
 - 13 LF OF 4" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
 - IRRIGATION SERVICE LINE - POINT OF CONNECTION.
 - 1" METER AND VALVE, 14 LF OF 1 1/2" Ø PVC (C-900) IRRIGATION SERVICE LINE.
 - EXISTING FIRE HYDRANT.
 - FIRE LANE (SEE PLAN SHEET 13 FOR DETAIL).
 - RAISED PAVEMENT MARKER (RPM) FOR FIRE HYDRANT LOCATION.
 - 2 - 4" PVC ELECTRIC SERVICE

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/26/23

UTILITY PLAN

MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
700 GEM COMMERCE COURT
APOPKA, FLORIDA 32703

ENGINEER OF RECORD

KEN EHLERS, P.E.

FLORIDA P.E. LICENSE NO. 16243
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CELL PHONE: (877) 468-3412

PROJECT NAME

MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
BUSINESS CENTER

DWG	SHEET
SHEETS 1-18	
DATE	7
SCALE	
AS SHOWN	

EXISTING UNDERGROUND AND OVERHEAD UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING SIZE, MATERIAL TYPE, LOCATION, DEPTH AND CONDITION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO CONSTRUCTION. THE ENGINEER-OF-RECORD HAS NO RESPONSIBILITY WITH REGARD TO THE COMPLETENESS AND/OR ACCURACY OF INFORMATION SHOWN ON THIS PLAN WITH REGARD TO THE EXISTING AND/OR NON-EXISTENCE OF UNDERGROUND OR OVERHEAD UTILITIES.

ROOF DOWNSPOUT DESIGN NOTE:

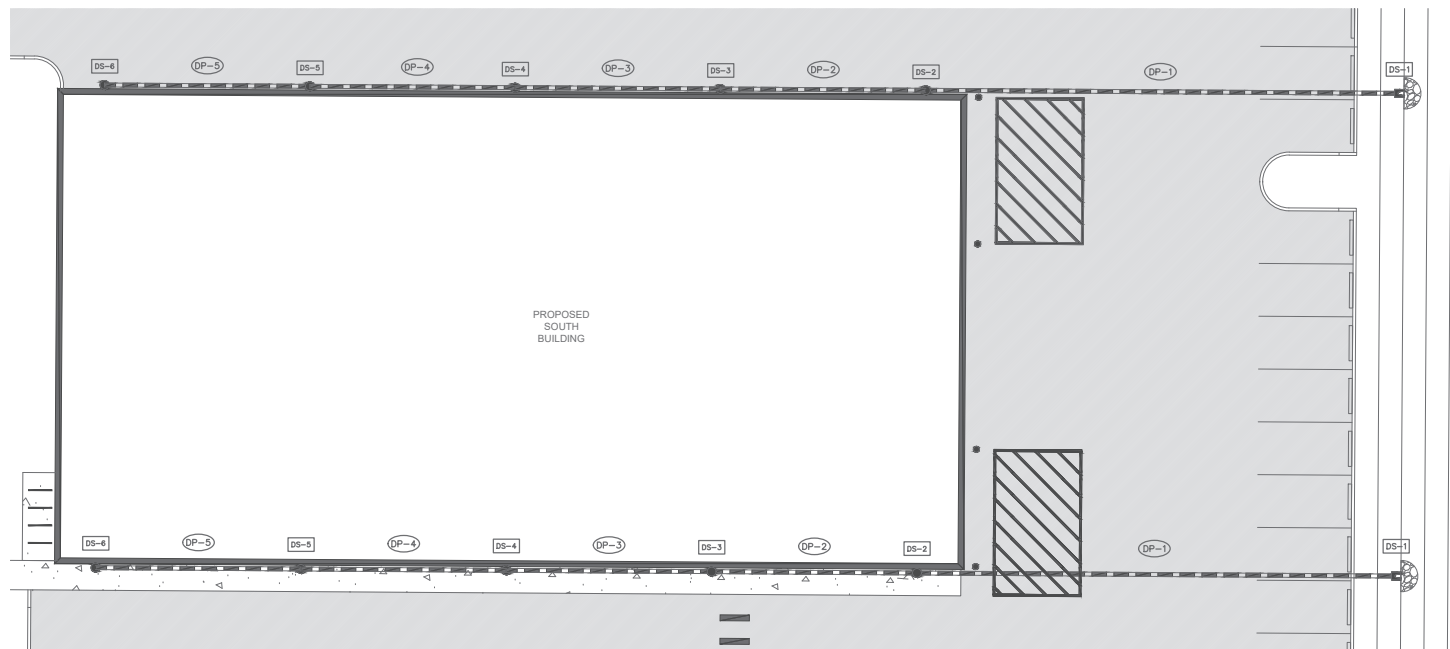
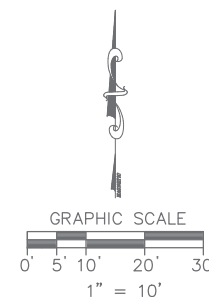
THE DESIGN SHOWN IN THE ROOF DOWNSPOUT PLAN IS THE BUILDING ON THE SOUTH SIDE OF THE PROPERTY. THE DESIGN WILL BE EXACTLY THE SAME FOR THE BUILDING ON THE NORTH SIDE OF THE PROPERTY.

ROOF DOWNSPOUT STRUCTURE TABLE

NUMBER:	TYPE OF STRUCTURE:	RIM:	INVERTS:
DS-1	MITERED END SECTION	--	W 148.00
DS-2	DOWNSPOUT INLET	152.33	E 148.80 W 148.90
DS-3	DOWNSPOUT INLET	152.33	E 149.25 W 149.35
DS-4	DOWNSPOUT INLET	152.33	E 149.70 W 149.80
DS-5	DOWNSPOUT INLET	152.33	E 150.15 W 150.25
DS-6	DOWNSPOUT INLET	152.33	E 150.60 W 150.70

ROOF DOWNSPOUT PIPE TABLE

NUMBER:	TYPE:	SIZE:	GRADE:	LENGTH:
DP-1	HDPE	8"	1.00%	80.00'
DP-2	HDPE	8"	1.00%	35.00'
DP-3	HDPE	8"	1.00%	35.00'
DP-4	HDPE	8"	1.00%	35.00'
DP-5	HDPE	8"	1.00%	35.00'



ROOF DOWNSPOUT PLAN

SCALE: 1" = 10'

PROJECT UPDATE: 10/26/23

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/26/23

ROOF DOWNSPOUT PLAN
MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
700 GEM COMMERCE COURT
APOKA, FLORIDA 32703

ENGINEER OF RECORD

KEN EHLERS, P.E.

FLORIDA P.E. LICENSE NO. 18243
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6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (887) 468-3612

PROJECT NAME

**MICHAEL R. COOPER
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COMPANY, INC.**

BUSINESS CENTER

DWG

SHEETS 1-18

DATE

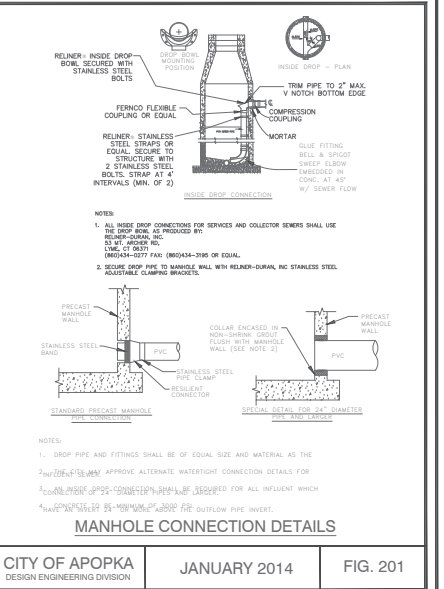
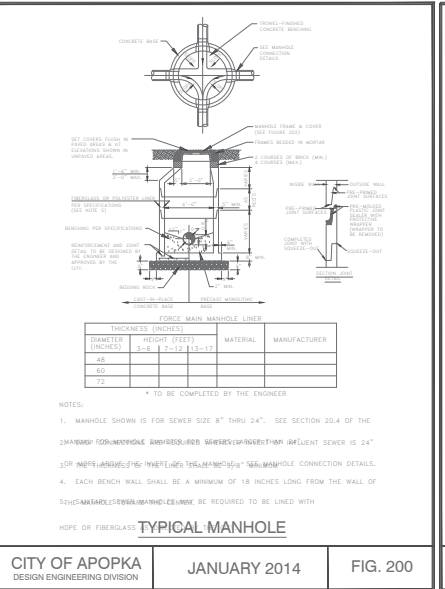
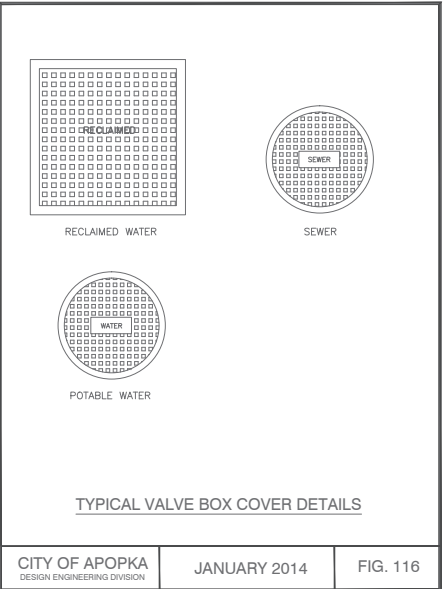
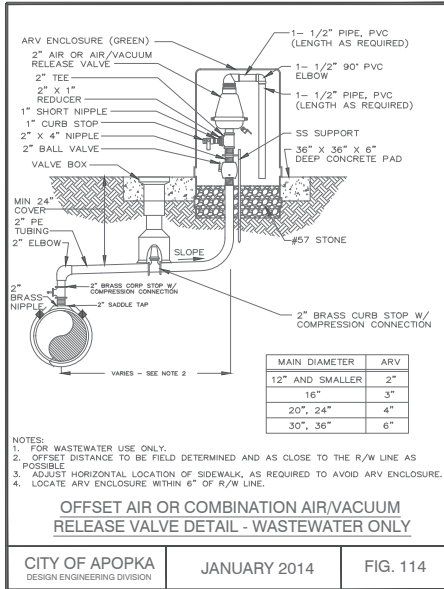
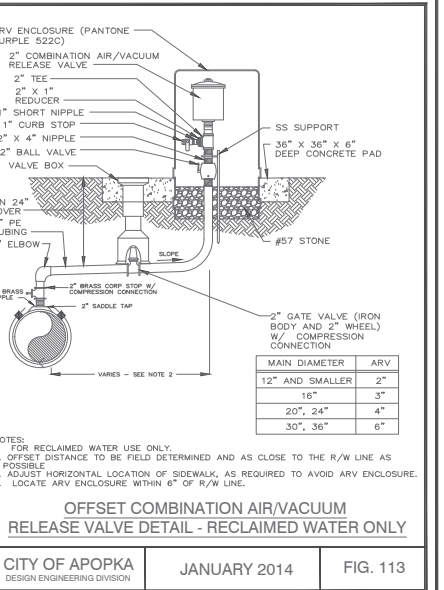
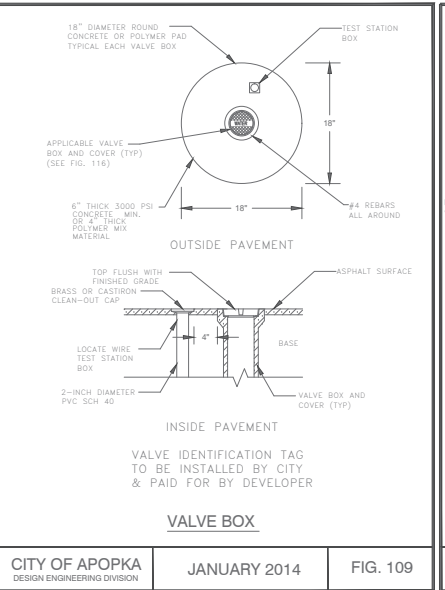
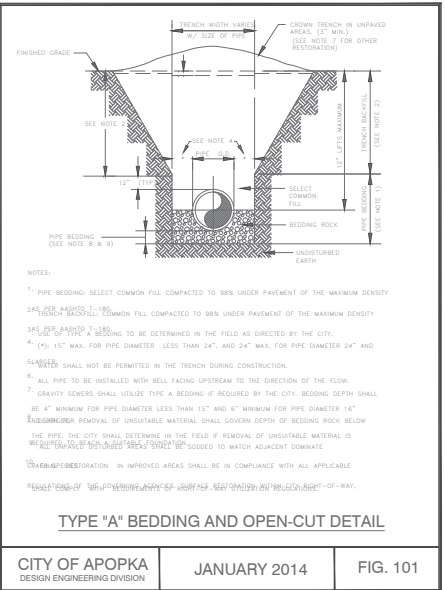
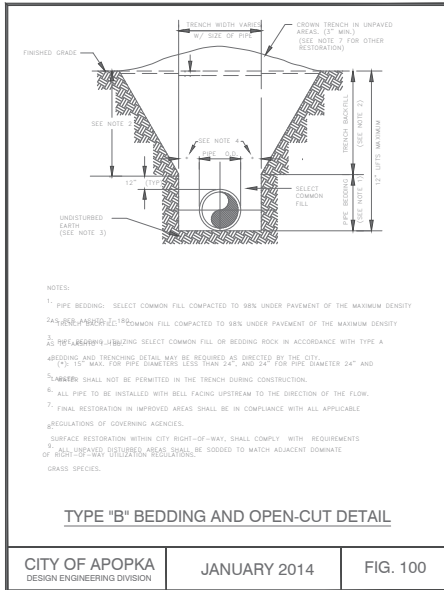
MARCH 31, 2023

SCALE

AS SHOWN

SHEET

8



NO.	REVISION/ISSUE	DATE

CITY OF APOPKA DETAILS

MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
700 GEM COMMERCE COURT
APOPKA, FLORIDA 32703

ENGINEER OF RECORD

KEN EHLERS, P.E.

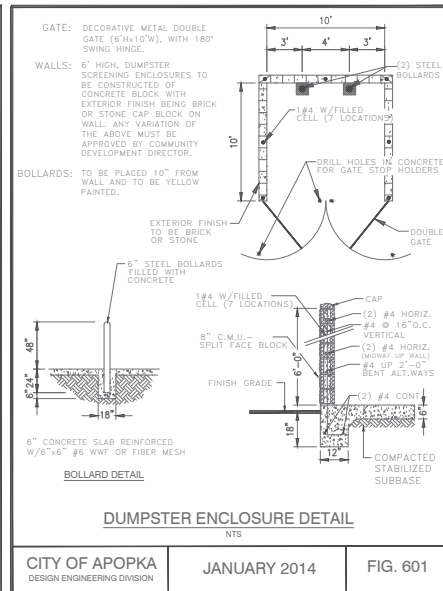
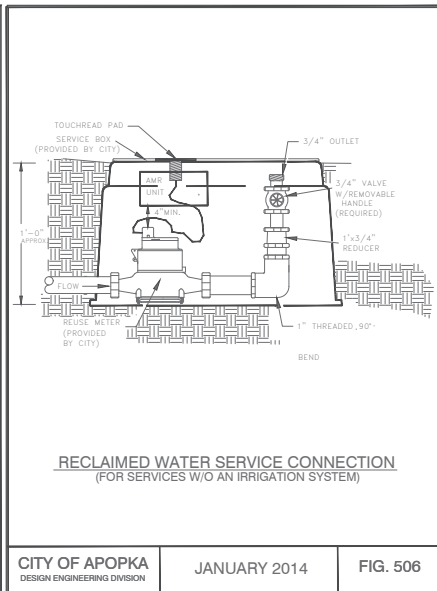
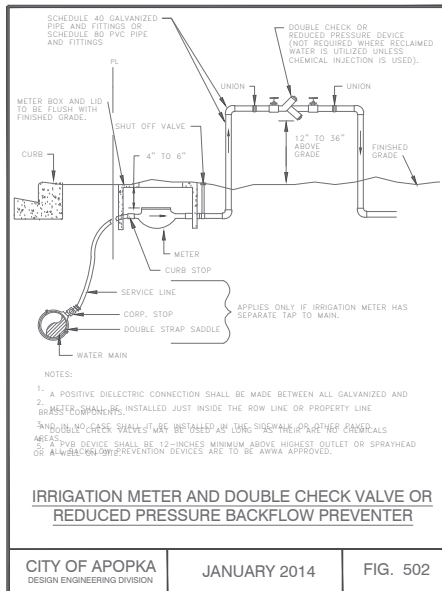
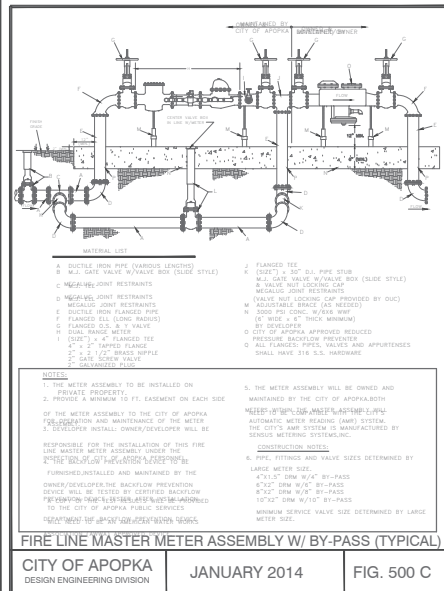
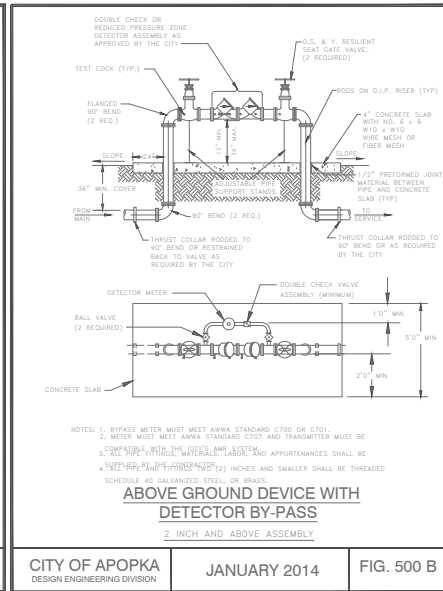
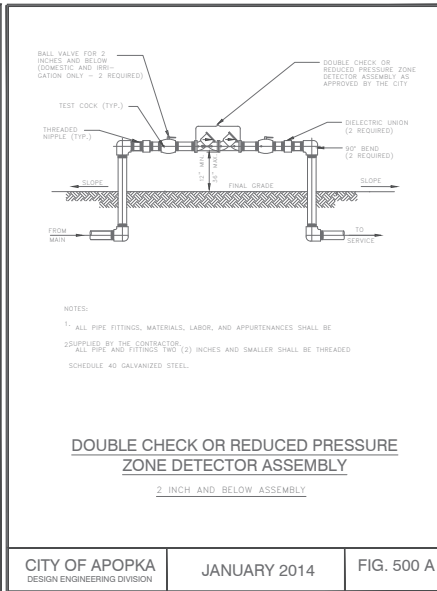
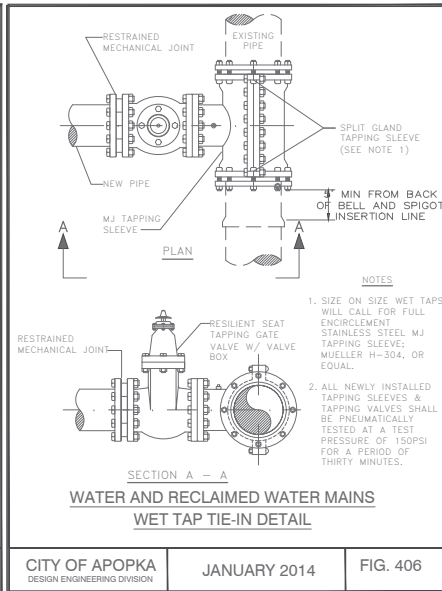
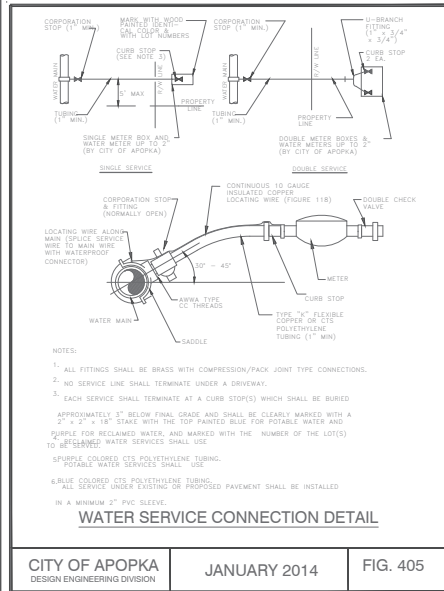
FLORIDA P.E. LICENSE NO. 18243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (887) 468-3412

PROJECT NAME

MICHAEL R. COOPER
CONSTRUCTION
COMPANY, INC.

BUSINESS CENTER

DWG SHEETS 1-18	SHEET
DATE MARCH 31, 2023	9
SCALE AS SHOWN	



NO.	REVISION/ISSUE	DATE

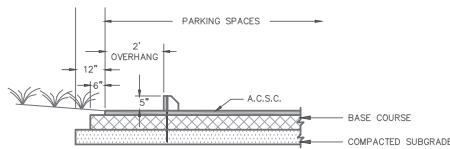
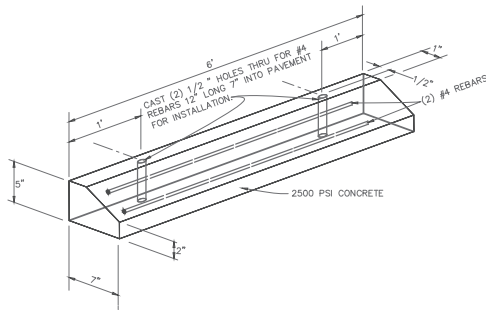
CITY OF APOPKA DETAILS
MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
700 GEM COMMERCE COURT
APOPKA, FLORIDA 32703

ENGINEER OF RECORD
KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 18043
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (887) 468-3412

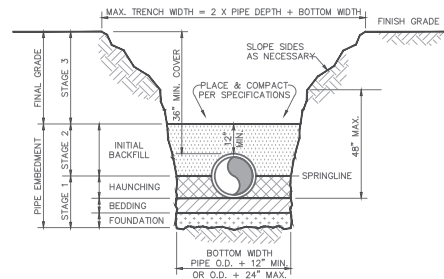
PROJECT NAME
MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
BUSINESS CENTER

DWG SHEETS 1-18	SHEET
DATE MARCH 31, 2023	11
SCALE AS SHOWN	

PROJECT UPDATE: 10/26/23

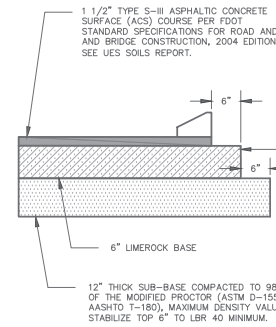


WHEEL STOP DETAIL
N.T.S.

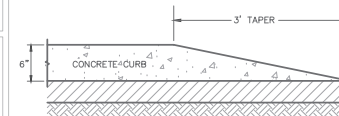


- NOTES:**
1. DEPTH OF PIPE MAY BE FIELD ADJUSTED TO MEET SPECIAL CONDITIONS AS DETERMINED BY THE OWNER'S REPRESENTATIVE.
 2. ALL TRENCHING SHALL COMPLY WITH THE REQUIREMENTS OF THE FLORIDA TRENCH SAFETY ACT.
 3. **FOUNDATION:** A FOUNDATION MAY BE REQUIRED IN POOR SOIL CONDITIONS.
 4. **BEDDING:** BEDDING IS REQUIRED PRIMARILY TO BRING THE TRENCH BOTTOM UP TO GRADE AND ADJUST FOR PIPE BELLS. BEDDING MATERIALS SHALL PROVIDE A UNIFORM AND ADEQUATE LONGITUDINAL SUPPORT UNDER THE PIPE. MATERIAL SHALL BE PLACED IN 4" TO 6" LIFTS, LIGHTLY COMPACTED, UNIFORM AND NOT FINER THAN THE FOUNDATION MATERIAL.
 5. **HAUNCHING:** HAUNCHING MATERIAL SHALL BE HAND PLACED TO THE SPRINGLINE OF THE PIPE. MATERIAL SHALL BE CONSOLIDATED UNDER THE PIPE AND HAND TAMPED TO PROVIDE ADEQUATE SIDE SUPPORT.
 6. **INITIAL BACKFILL:** INITIAL BACKFILL SHALL BE HAND PLACED TO 12" ABOVE THE TOP OF THE PIPE. THE SOIL SHALL BE CONSOLIDATED BY HAND TAMPING OR WALKING THE SOIL IN PLACE.
 7. **FINAL BACKFILL:** FINAL BACKFILL MATERIAL MAY BE MACHINE PLACED. MATERIAL UNDER ROADWAYS MAY REQUIRE SPECIAL COMPACTION AND DENSITY TESTS.
 8. **DENSITY:** ALL BACKFILL SHALL BE COMPACTED TO THE REQUIREMENTS OF THE SPECIFICATIONS.

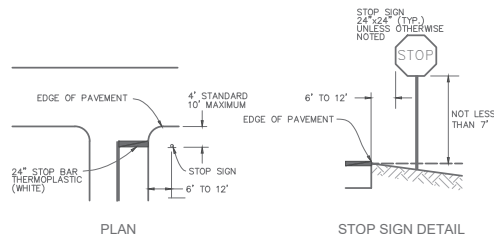
TYPICAL TRENCHING AND BACKFILLING
N.T.S.



TYPICAL PAVEMENT SECTION
N.T.S.



CONCRETE CURB TAPER
N.T.S.



STOP SIGN DETAIL

BLADES: ALCOA #86054, 6063-T6 ALLOY, ETCHED, DECREASED, DEBURRED, WITH #1200 ALDINE FINISH, #2277 GREEN SCOTCHLITE BACKGROUND OR EQUAL. DIMENSIONS-6"HEIGHT; 24", 30" or 36" LENGTHS.

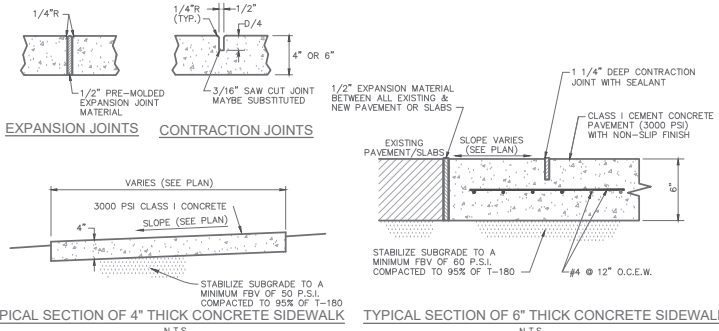
LETTERS: NAME - 4" SERIES "B" #2270 SCOTCHLITE (SILVER) OR EQUAL. SUFFIX - 2" SERIES "B" #2270 SCOTCHLITE (SILVER) OR EQUAL.

BRACKETS: DIE-CAST HIGH STRENGTH ALUMINUM ALLOY, MIN. TENSILE STRENGTH 45,000 P.S.I., DECREASED, TUMBLER, AND POLISHED, SIDES OF ALL SLOTS SHALL BE SOLID METAL WITH TWO HOLES PER SLOT (SAME SIDE) DRILLED TO 7/32" AND TAPPED TO 1/4" TO RECEIVE STAINLESS STEEL ALLEN-HEAD SET SCREWS, SKIRT OF POST CAP BRACKET TO BE DRILLED AND TAPPED FOR 3 SCREWS OF WHICH NO TWO SCREWS ARE TO BE LESS THAN 90° OR MORE THAN 135° APART. (METRO HUSKEY No. 6 or EQUAL.)

POST: STANDARD 2" I.D. (2 3/8" O.D.) 14' LONG GALVANIZED STEEL, "GLOSS" DIPPED.

CONCRETE BASE: 2000#

STOP SIGN AND BAR LOCATION
N.T.S.

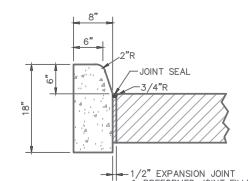


TYPICAL SECTION OF 4" THICK CONCRETE SIDEWALK
N.T.S.

TYPICAL SECTION OF 6" THICK CONCRETE SIDEWALK
N.T.S.

- NOTES:**
1. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATIONS SECTIONS 345 & 350.
 2. ALL TESTING SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATIONS SECTION 345-8 FOR 28 DAY COMPRESSIVE STRENGTH 3000 PSI CONCRETE.
 3. PROVIDE EXPANSION JOINTS 20' CENTER TO CENTER, AT PC & PT OF CURVES, JUNCTIONS OF EXISTING AND NEW SIDEWALKS, AND WHERE SIDEWALK ABUTS CURBS, DRIVEWAYS & SIMILAR STRUCTURES.
 4. PROVIDE CONTRACTIONS JOINTS 5' CENTER TO CENTER.
 5. SOD SHALL BE PLACED BELOW EDGE OF SIDEWALK TO ALLOW DRAINAGE.

CONCRETE SIDEWALK SECTIONS
N.T.S.



SECTION VIEW

- NOTES:**
- SAW CUT CONTRACTION JOINTS ON 10' CENTERS MAX. WITHIN 48 HOURS AFTER POURING CURB.
- ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATIONS SECTION 520 AND FDOT ROADWAY & TRAFFIC DESIGN STANDARDS INDEX NUMBER 300.

TYPE "D" CURB
N.T.S.

NO.	REVISION/ISSUE	DATE

STANDARD DETAILS
MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
700 GEM COMMERCE COURT
APOKA, FLORIDA 32703

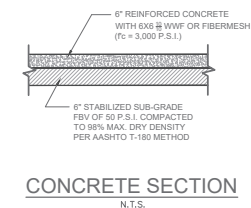
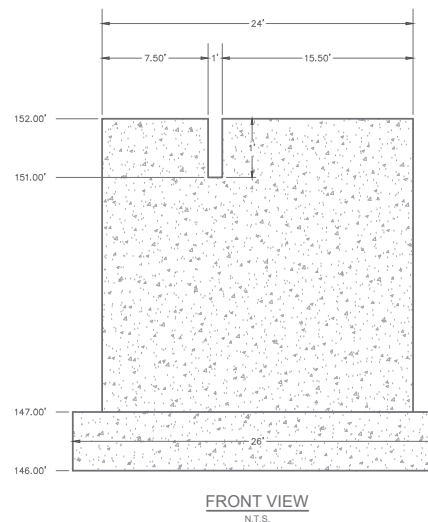
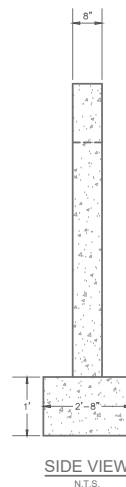
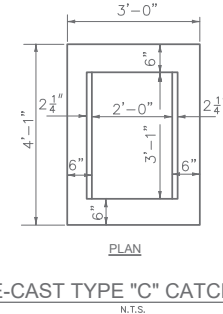
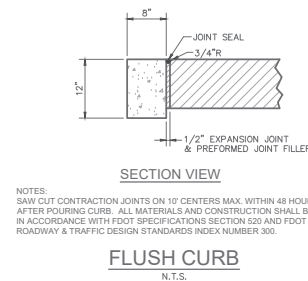
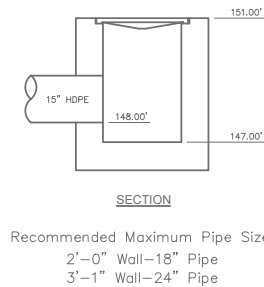
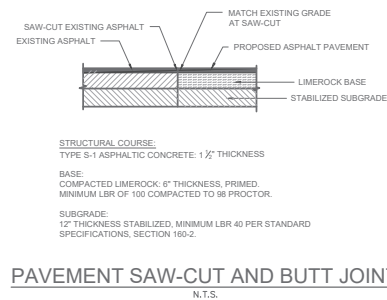
ENGINEER OF RECORD
KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 18243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (887) 468-3612

PROJECT NAME
MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.

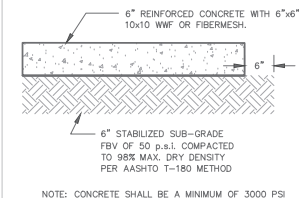
BUSINESS CENTER

DWG SHEETS 1-18	SHEET
DATE MARCH 31, 2023	12
SCALE AS SHOWN	

PROJECT UPDATE: 10/26/23



- NOTES:**
1. ALL LETTERS ARE 1" SERIES "C", PER MUTCD.
 2. TOP PORTION OF SIGN SHALL HAVE REFLECTORIZED (ENGINEERING GRADE) BLUE.
 3. BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.
 4. ONE (1) SIGN IS REQUIRED FOR EACH PARKING SPACE.
 5. HEIGHT OF SIGN SHALL BE 7'-6" FROM FINISHED GROUND TO BOTTOM OF SIGN. WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
 6. USE FTP 20-06 AND FTP 22-06 AS PER FMV 2016 PDOT STANDARD INDEX 17355. REFER TO PLAN SHEET 16 FOR ASPT DETAILS.



NO.	REVISION/ISSUE	DATE
1	COA DRC	10/26/23

DRAINAGE DETAILS
MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
700 GEM COMMERCE COURT
APOPKA, FLORIDA 32703

ENGINEER OF RECORD
KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 18243
PROFESSIONAL ENGINEERING SERVICES
8034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (407) 448-3412

PROJECT NAME
MICHAEL R. COOPER
CONSTRUCTION
COMPANY, INC.
BUSINESS CENTER

DWG SHEETS 1-18	SHEET
DATE MARCH 31, 2023	13
SCALE AS SHOWN	

RILEY & Company, Inc. (H-20 GP)

w/ BATTERY BACK-UP FOR AUDIO AND VISUAL ALARMS

NOTE: COMPLETE SYSTEM TO BE SUPPLIED BY:

RILEY & COMPANY, INC.

SANFORD, FL 32773

NO SUBSTITUTIONS - NO ALTERNATES
L(405)265-8966 ALL BE PRIVATELY OWNED AND MAINTAINED.

The H-20 Load Rated Fiberglass Wetwell Must Be Manufactured by L.F. Manufacturing, Giddings, Texas, Which Includes A Written 20 Yr. Warranty. Certification of the wetwell H-20 load rating must be supplied with submittals. H-20 certification must be signed and sealed by an engineer registered in the State of Florida.

After the H-20 load rated wetwell has been installed, the ASTM Certification Number and Serial Tracking Number must be visible.

PUMPS: (3YR. WARRANTY w/ Maintenance Agreement) Submersible grinder pumps shall be HOMA Model GRP12 The pumps installed in the H-20 GP FRP wetwell utilizing a dual slide rail system.

The grinder unit shall be capable of macerating materials normally found in sanitary and commercial waste, including slurry which will pass through the stator winding and connect to the pump. The use of pins, bolts, or other fastening devices is not acceptable.

A heat sensor thermostat shall be attached to the top end of the motor winding and shall be connected in series with the magnetic motor coil in the control panel to stop motor if winding temperature exceeds 140 C, but shall automatically reset when the winding temperature returns to normal. Two heat sensor thermostats shall be used on three phase motors.

The pump motor grinder shaft shall be AISI 430F SS threaded to take the pump impeller and the grinder impeller.

Upper & lower mechanical seals shall be Silicon Carbide w/ Silicon Carbide.

DUPLEX CONTROL PANEL: (3 YR. WARRANTY w/ Maintenance Agreement) To insure complete unit and warranty responsibility the electrical control panel must be manufactured and built by the pump supplier. The pump supplier must be a TUV (UL508A CERTIFIED) manufacturing facility, with a minimum of 5 years history in the manufacturing of electrical control panels.

The Enclosure shall be NEMA 4X, minimum 30" high x 20" wide x 10" deep fiberglass with 3 point latching system.

The enclosure shall have external mounting feet to allow for wall mounting. The following components shall be mounted through the enclosure:

- 1- ea. Red Alarm Beacon (Light) LED
- 1- ea. Alarm Horn (minimum 95 DCB)
- 1- ea. Generator Receptacle w/ weatherproof cover(SCM460 -UL 1686)

The back panel shall be fabricated from .125, 5052-H32 marine alloy aluminum. All components shall be mounted by machined stainless steel screws.

The following components shall be mounted to back panel:

- 2- ea. Motor Contactors
- 1- ea. Volt Monitor (1 Ph) Phase Monitor (3 Ph) w/2 N/O & 1 N/C Contacts
- 1- ea. Control Transformer (480 Volt Only) (Min. 500VA)
- 1- ea. Duplex Alternator w/ Pump Selector Switch
- 1- ea. Model RCBSAH Battery Back-Up w/ Smart Charger
- 20- ea. Terminals For Field Connections
- 6- ea. Terminals For Motor Connections (Single Phase Only)
- 7- ea. Grounding Lugs
- 1- ea. Seal Failure Relay

The inner door shall be fabricated from .080, 5052-H32 marine alloy aluminum. The inner door shall have a continuous aluminum piano hinge.

The following components shall be mounted through the inner door:

- 1- ea. Main Circuit Breaker
- 1- ea. Emergency Circuit Breaker
- 1- ea. Mechanical Interlock For Emergency And Main Breakers (UL Listed)
- 2- ea. Short Circuit Protectors w/ Auxiliary Contacts
- 1- ea. Control Circuit Breaker
- 2- ea. Seal Failure Indicator Lights
- 1- ea. Hand-Off-Auto Selector Switches
- 2- ea. Pump Run Pilot Lights
- 1- ea. Power On Pilot Light
- 2- ea. Elapse Time Meters (Non-Resetable)
- 1- ea. GFI Duplex Convenience Outlet

COMPONENT SPECIFICATIONS:

All circuit breakers shall be molded thermal magnetic. The mechanical interlock shall prevent the normal and emergency main breakers being energized at the same time.

An emergency generator receptacle shall be supplied in accordance with DEP standards. The generator receptacle shall be adequately sized to meet the equipment operating conditions.

NEUTRAL TO BE SUPPLIED FOR BOTH 230V 3PHASE OR 230V SINGLE PHASE POWER

All motor short circuit protection devices must provide for under voltage release and class 10 overload protection on all three phases. Visible trip indication, test, and reset capability must be provided without opening inner door. Open frame, across the line, contactors shall be rated per IEC standards and properly sized per the motor requirements. Contactors shall provide for safe touch power and control terminals.

Lighting Arrestor shall meet UL1449 3rd Edition or exceed the requirements of ANSI/IEEE Std. C62.21-1984 section 8.6.1. and 8.7.3 shall be supplied by electrician and mounted on the bottom side of the switch disconnect ahead of the pump control panel.

A voltage monitor shall be supplied for single phase service. A phase monitor shall be supplied for (3) phase service.

A green pilot light shall be supplied for each motor. The pilot light shall illuminate each time the motor is called to run. Each pump shall have an Elapse Time Meter to record the accumulated run time. The ETM shall be 2" diameter, non-resettable, six digit, totally encapsulated unit.

A red pilot light shall be supplied for control power. The pilot light shall illuminate when the control power is available inside the control panel.

Relays shall be ice-cube plug in type. Relay contacts shall be rated 10 amp minimum, DPDT.

Twenty (20) terminals shall be supplied for field connections. The terminals shall be rated 25 amps minimum.

Each motor over-temperature contact shall be connected to the terminal strip and shall open a contact to de-energize the appropriate motor upon a high temperature within the motor.

A 15 Amp GFI duplex receptacle shall be supplied and mounted on the innerdoor.

Ground lugs shall be supplied and appropriately sized for each motor and for service entrance.

MISCELLANEOUS: All wiring on the back panel shall be contained within the wiring duct. All wiring between the inner door and the back panel shall be contained within a plastic spiral wrap. Each wire shall have a wire number at each end to correspond to the as built drawing for field troubleshooting. The control panel must be manufactured in-house by lift station supplier and be a TUV (UL508A Certified) facility.

FASTENERS & APPURTANCES: All fasteners, lifting cables, float cable bracket, hinges, and appurtences shall be made of AISI 304SS.

A 304SS slide/latch assembly shall be provided for holding the doors open on the wetwell and valve box.

Slide rails shall be made of SCH.40 AISI 304SS pipe. Pump lifting cables shall be made of AISI 304 SS.

Pump lifting bales shall be made of AISI 304 SS.

H-20 LOAD RATED WETWELL WITH LIFTING LUGS:

The fiberglass wetwell must be H-20 load rated with integral lifting lugs, fiberglass slope in bottom of wetwell and valve box. Certification of the H-20 load rating must be supplied at the time of submittals to Engineer. The wetwell shall be manufactured of fiberglass reinforced polyester (FRP) of depth and diameter as shown on the lift station elevation detail. The wall thickness shall be adequate for the depth of the wetwell to maintain the H-20 LOAD RATING.

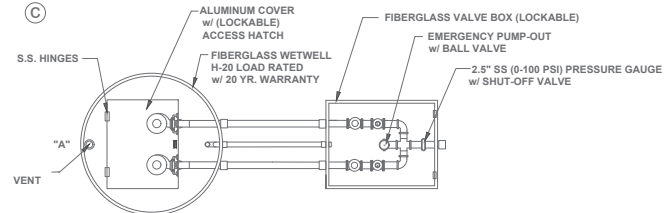
EXECUTION:

Installation shall be in strict accordance with the manufacturer's recommendations in the locations shown on the drawing.

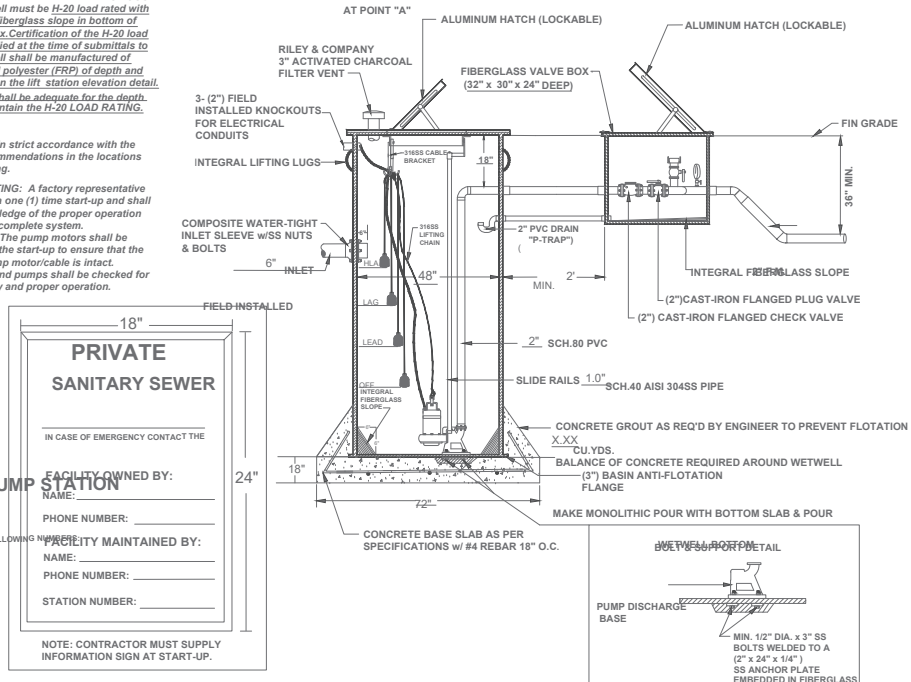
INSPECTION & TESTING: A factory representative shall be provide for a one (1) time start-up and shall have complete knowledge of the proper operation and maintenance of complete system.

Meager the motors. The pump motors shall be megged out prior to the start-up to ensure that the insulation of the pump motor/cable is intact.

The pump controls and pumps shall be checked for mechanical reliability and proper operation.



NOTE: PUMP CONTROL PANEL SHALL BE LOCATED 3 FEET FROM WETWELL PERIMETER



PUMP DATA		ELEVATIONS	
PRIMARY PUMP CAPACITY	39.6 GPM	TOP OF WETWELL	152.00
PRIMARY TDH	19.6 TDH	INLET INVERT	146.43
PUMP MANUFACTURER	HOMA	HIGH-LEVEL ALARM (HLA)	146.00
PUMP MODEL #	GRP12/3	2nd PUMP ON (LAG)	145.50
R.P.M.	3450	1st PUMP ON (LEAD)	145.00
HORSEPOWER	1.2	PUMPS OFF (OFF)	144.50
ELECTRICAL/ VOLTS / PHASE	230V/3		142.50
PUMP DISCHARGE SIZE	2"	BOTTOM OF WETWELL	48"

* ELECTRICIAN NOTES:

1. DRAWING NOT TO SCALE
- * 2. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES
- * 3. ELECTRICIAN SHALL SEAL OFF CONDUIT RUNS
- * 4. ELECTRICIAN TO MOUNT LIGHTNING ARRESTOR AT SWITCH DISCONNECT
- * 5. CONTRACTOR SHALL VERIFY POWER SOURCE PRIOR TO ORDERING EQUIPMENT
- * 6. NEUTRAL TO BE SUPPLIED FOR 230V-3 PHASE OR 230V-SINGLE PHASE POWER.

RILEY & CO. / H-20 GP 05-10-23 GV

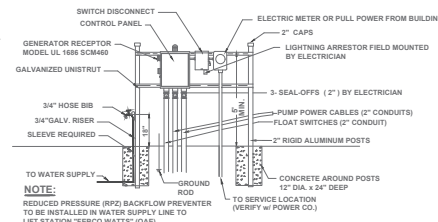


ILLUSTRATION PURPOSES ONLY
ELECTRICAL RISER FOR

CITY OF APOPKA UTILITIES DESIGN AND CONSTRUCTION STANDARDS MANUAL 2016 EDITION
SECTION 22 - WASTEWATER PUMP STATIONS
22.6
PRIVATE PUMP STATIONS
SIGNAGE
PRIVATELY OWNED AND MAINTAINED PUMP STATIONS SHALL PROVIDE A SIGN THAT IDENTIFIES THE CURRENT OWNER AND PROVIDES A TWENTY-FOUR (24) HOUR PER DAY, SEVEN (7) DAYS A WEEK EMERGENCY RESPONSE TELEPHONE NUMBER. THE ALUMINUM SIGN SHALL BE CLEARLY VISIBLE FROM THE ADJACENT ROADWAY, AND USE TWO (2) INCH HIGH WHITE LETTERS ON A GREEN BACKGROUND MADE OF ENGINEERING GRADE REFLECTIVE MATERIALS, AND MEASURE A MINIMUM OF EIGHTEEN (18) INCHES HIGH BY TWENTY-FOUR (24) INCHES LONG. THE SIGN SHALL BE MOUNTED ON THE PERIMETER SECURITY FENCING WITH THE BOTTOM OF THE SIGN A MINIMUM OF FOUR (4) FEET ABOVE FINISH GRADE.

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/26/23

LIFT STATION DETAILS

MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.

700 GEM COMMERCE COURT

APOPKA, FLORIDA 32703

ENGINEER OF RECORD

KEN EHLERS, P.E.

FLORIDA P.E. LICENSE NO. 16243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (407) 488-3472

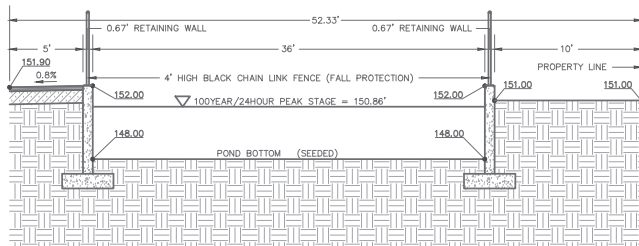
PROJECT NAME

MICHAEL R. COOPER
CONSTRUCTION
COMPANY, INC.

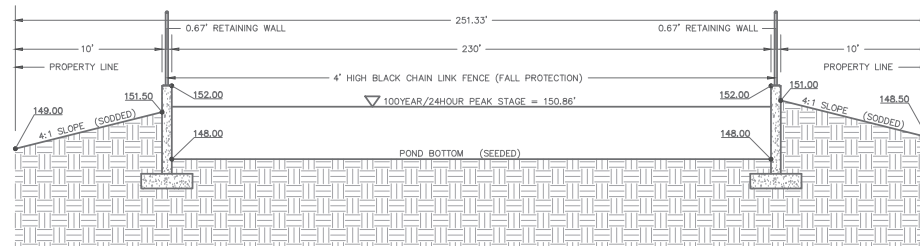
BUSINESS CENTER

DWG SHEETS 1-18	SHEET
DATE MARCH 31, 2023	14
SCALE AS SHOWN	

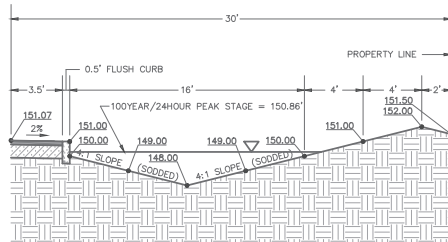
PROJECT UPDATE: 10/26/23



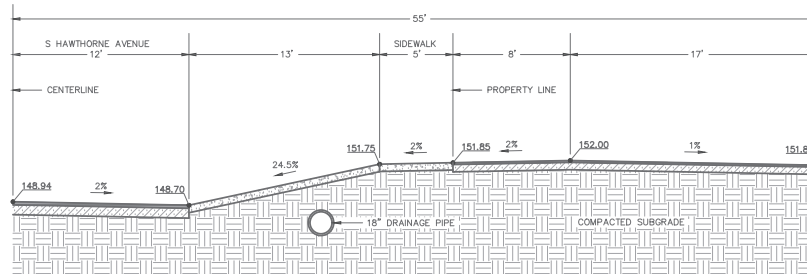
TYPICAL POND SECTION
CROSS SECTION A-A
N.T.S.



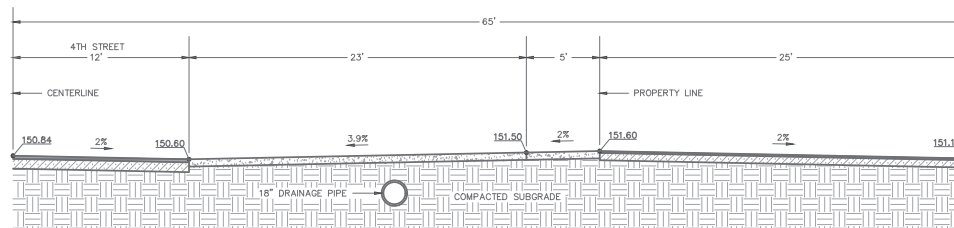
TYPICAL POND SECTION
CROSS SECTION B-B
N.T.S.



TYPICAL SWALE SECTION
CROSS SECTION E-E
N.T.S.



TYPICAL CONCRETE ACCESS CONNECTION
S HAWTHORNE AVENUE
CROSS SECTION C-C
N.T.S.



TYPICAL CONCRETE ACCESS CONNECTION
4TH STREET
CROSS SECTION D-D
N.T.S.

PROJECT UPDATE: 10/26/23

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/26/23

TYPICAL CROSS SECTIONS
MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
700 GEM COMMERCE COURT
APOPKA, FLORIDA 32703

ENGINEER OF RECORD
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MOUNT DORA, FL 32757
CELL PHONE: (887) 468-3612

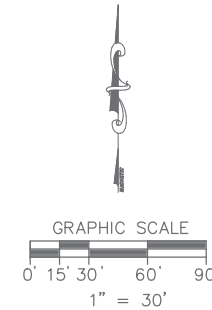
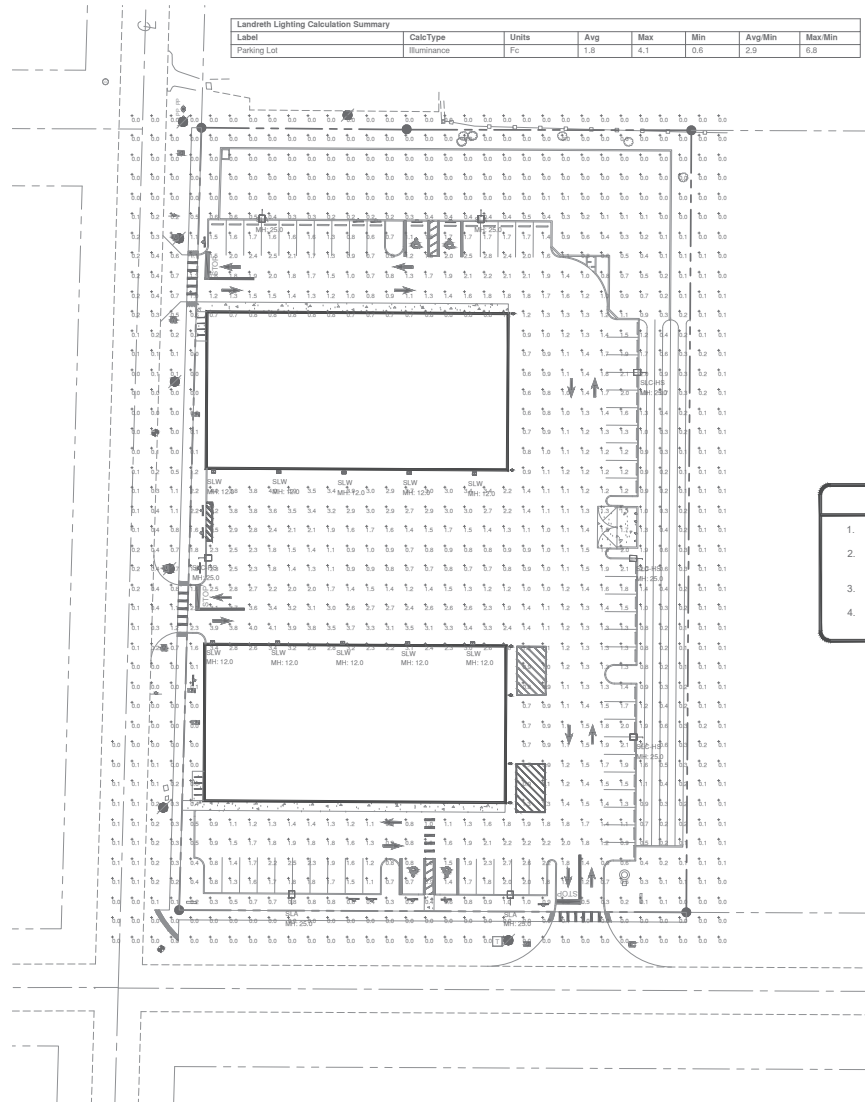
PROJECT NAME
MICHAEL R. COOPER
CONSTRUCTION
COMPANY, INC.
BUSINESS CENTER

DWG
SHEETS 1-18
DATE
MARCH 31, 2023
SCALE
AS SHOWN

SHEET
15

Landreth Lighting Luminaires Schedule									
Symbol	[MANUFAC]	Qty	Label	Arrangement	Description	LLF	Lum. Watts	Lum. Lumens	BUG Rating
	Lithonia Lighting	4	SLA	Single	DSX0 LED P5 40K 70CRI BLC3 MVOLT RPA NLTAIR2 PIRH FINISH; MOUNTED @ 25' AFG ON A ROUND TAPERED DIRECT BURY FIBERGLASS POLE	1.000	90.12	8793	B0-U0-G2
	Lithonia Lighting	4	SLC-HS	Single	DSX0 LED P5 40K 70CRI TFFM MVOLT RPA NLTAIR2 PIRH HS FINISH; MOUNTED @ 25' AFG ON A ROUND TAPERED DIRECT BURY FIBERGLASS POLE	1.000	90.12	10361	B1-U0-G3
	Lithonia Lighting	10	SLW	Single	WDGE2 LED P3 40K 70CRI TFFM MVOLT NLTAIR2 PIR FINISH; WALL MOUNTED @ 12' AFG	1.000	32.1375	3573	B1-U0-G1

Landreth Lighting Calculation Summary						
Label	Calc Type	Units	Avg	Max	Min	Max/Min
Parking Lot	Illuminance	Fc	1.8	4.1	0.6	2.9



DECORATIVE STREET LIGHT POLE

1. LIGHT POLE FOOTERS WILL NOT BE EXPOSED ABOVE GROUND.
2. LIGHT POLE FIXTURE WILL NOT EXCEED THE HEIGHT OF THE BUILDING HEIGHT.
3. LUMINERS SHALL NOT EXCEED 1.0 AT THE PROPERTY LINE.
4. ALL POLE FIXTURE LAMPS SHALL BE 120W, 120-227 VOLTS TYPE TO BE LIGHT EFFICIENT DESIGN, LED ONLY OR EQUAL MDWLED-8090M50-5000K.

PHOTOMETRIC PLAN

SCALE: 1" = 30'

PROJECT UPDATE: 10/26/23

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/26/23

PHOTOMETRIC PLAN
MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
700 GEM COMMERCE COURT
APOKA, FLORIDA 32703

ENGINEER OF RECORD

KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 18243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (887) 468-3812

PROJECT NAME

MICHAEL R. COOPER
CONSTRUCTION
COMPANY, INC.
BUSINESS CENTER

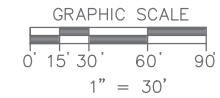
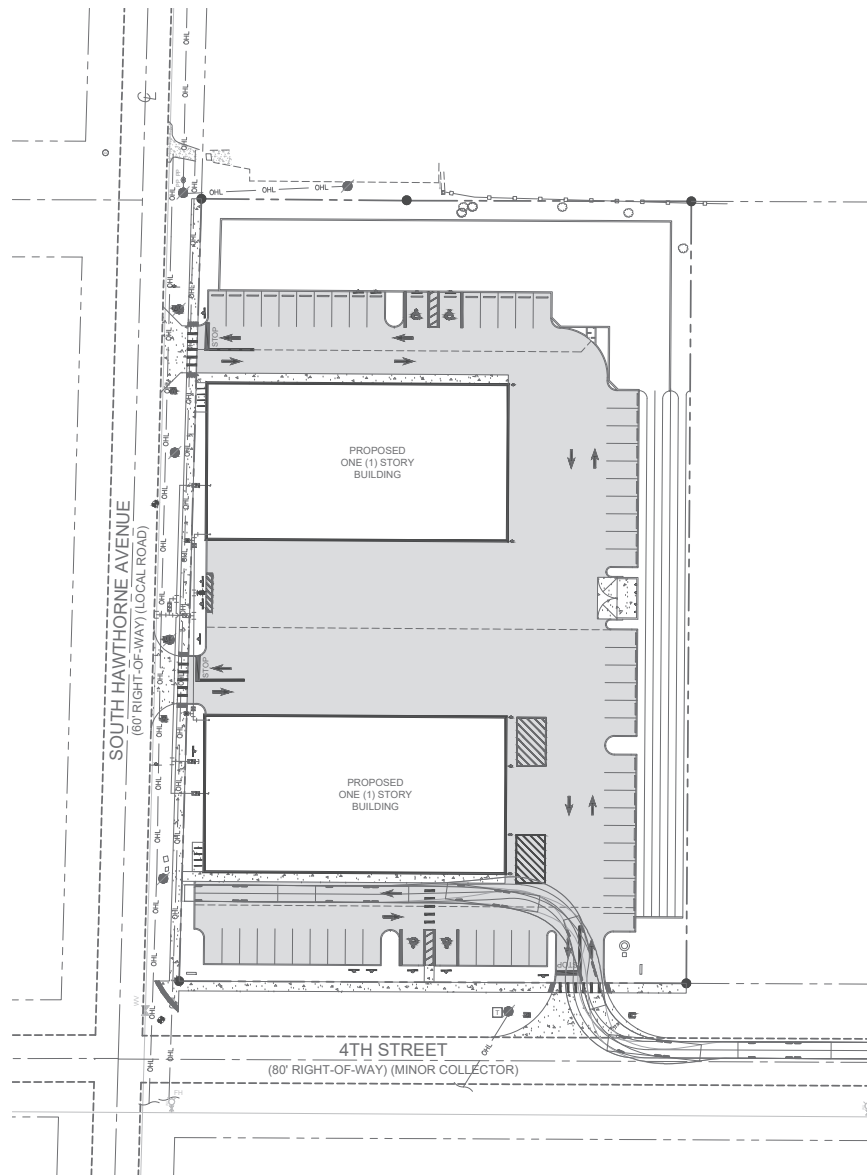
DWG SHEETS 1-18

DATE
MARCH 31, 2023
SCALE
AS SHOWN

SHEET

18

148 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.



FIRE TRUCK TURN EXHIBIT 1

SCALE: 1" = 30'

PROJECT UPDATE: 10/26/23

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/26/23

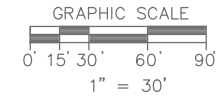
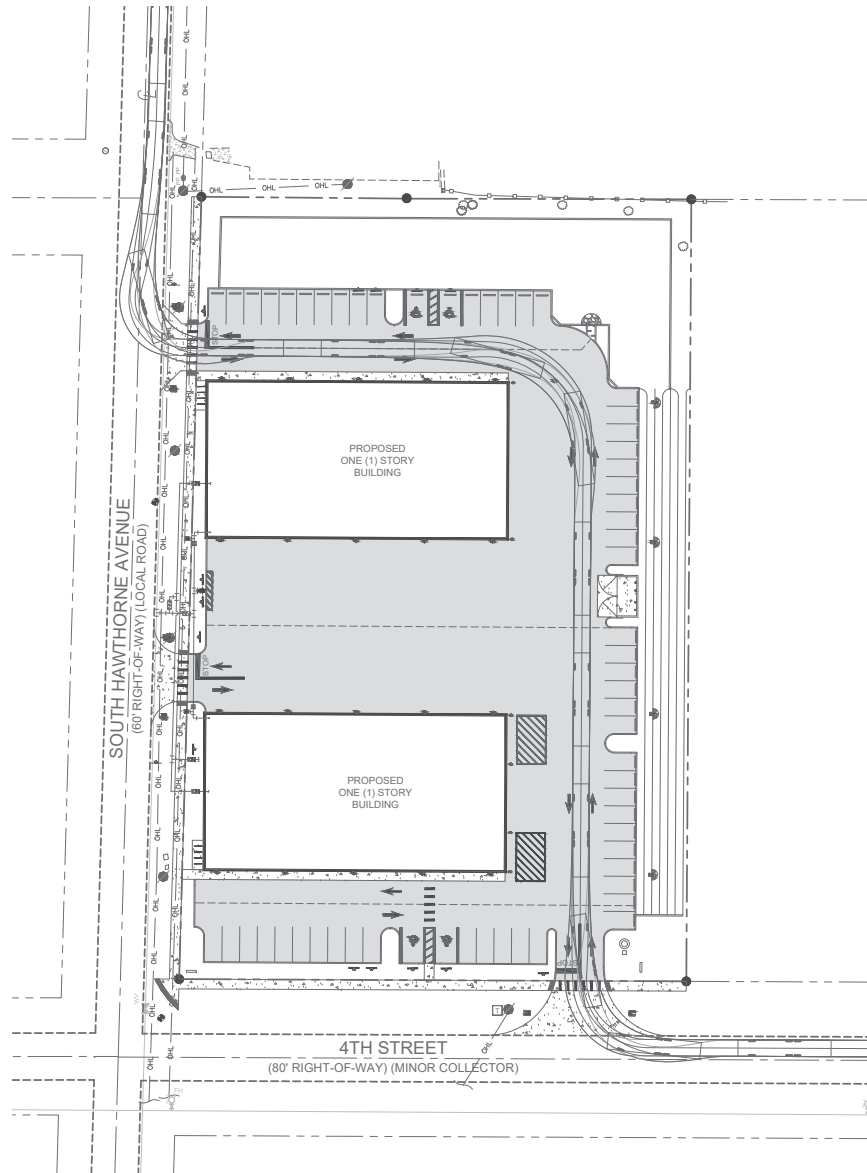
FIRE TRUCK TURN EXHIBIT 1
MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
700 GEM COMMERCE COURT
APOPKA, FLORIDA 32703

ENGINEER OF RECORD
KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 18243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (887) 468-3612

PROJECT NAME
MICHAEL R. COOPER
CONSTRUCTION
COMPANY, INC.
BUSINESS CENTER

DWG SHEETS 1-4	SHEET
DATE MARCH 31, 2023	EX1
SCALE AS SHOWN	

48 HOURS BEFORE DIGGING
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1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.



NO.	REVISION/ISSUE	DATE
1	COA DRC	10/26/23

FIRE TRUCK TURN EXHIBIT 2

MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
700 GEM COMMERCE COURT
APOPKA, FLORIDA 32703

ENGINEER OF RECORD
KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 18243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (887) 468-3612

PROJECT NAME
MICHAEL R. COOPER
CONSTRUCTION
COMPANY, INC.
BUSINESS CENTER

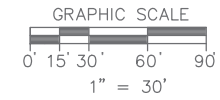
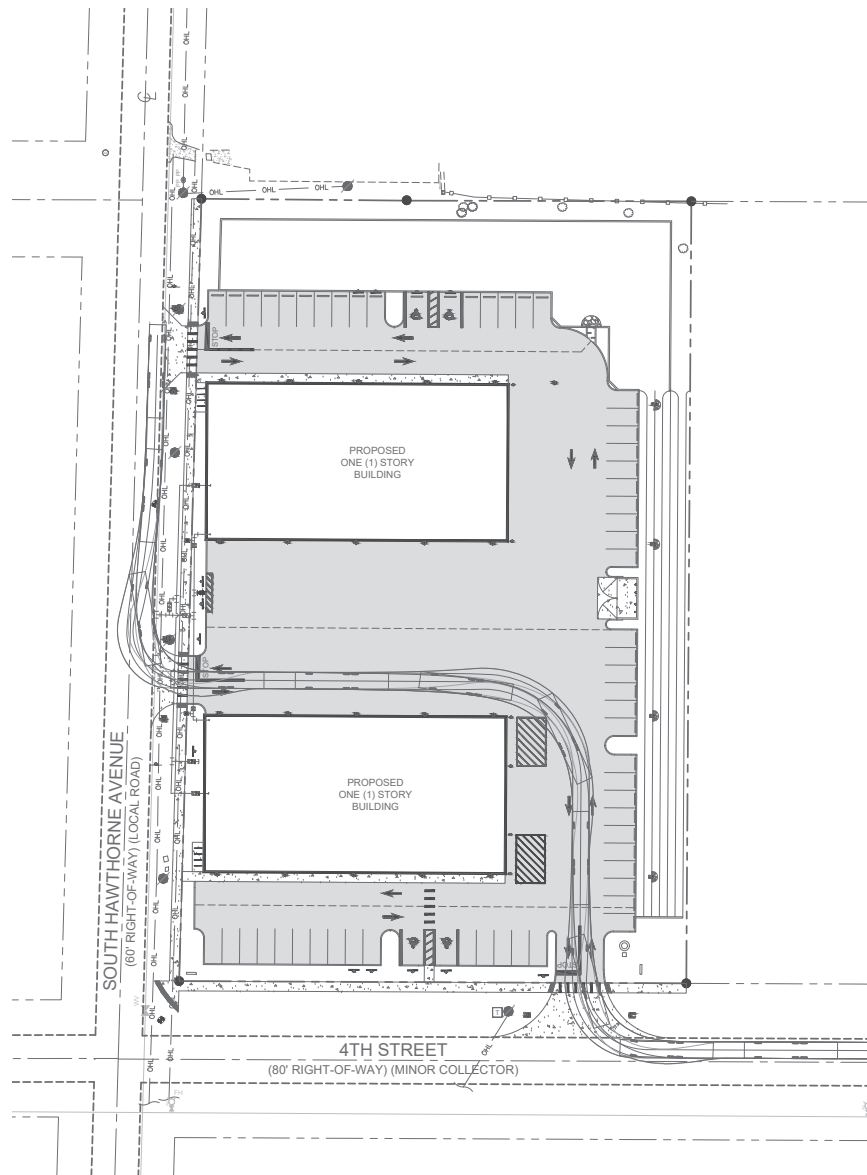
48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

FIRE TRUCK TURN EXHIBIT 2

SCALE: 1" = 30'

PROJECT UPDATE: 10/26/23

DWG SHEETS 1-4	SHEET
DATE MARCH 31, 2023	EX2
SCALE AS SHOWN	



FIRE TRUCK TURN EXHIBIT 3

SCALE: 1" = 30'

PROJECT UPDATE: 10/26/23

48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

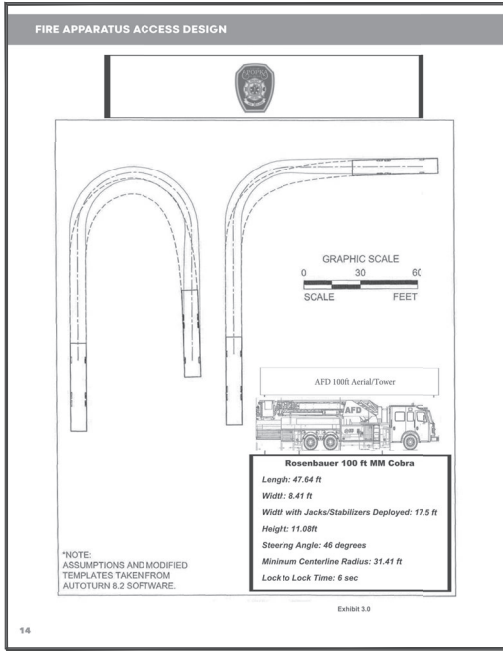
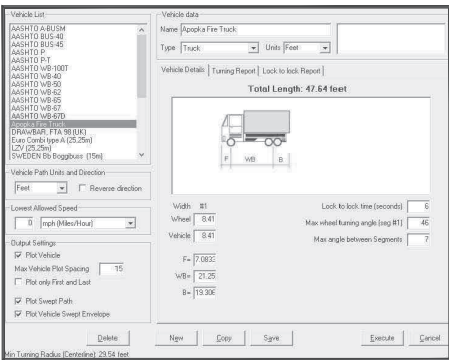
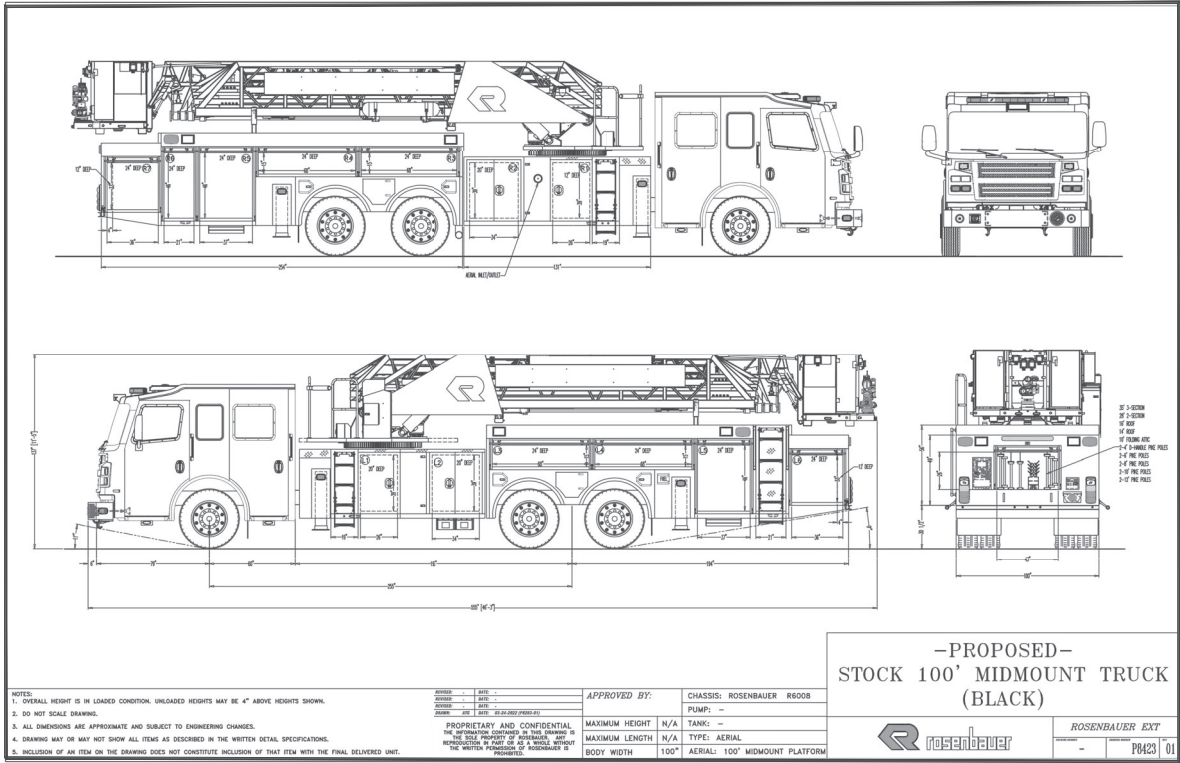
NO.	REVISION/ISSUE	DATE
1	COA DRC	10/26/23

FIRE TRUCK TURN EXHIBIT 3
MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
700 GEM COMMERCE COURT
APOPKA, FLORIDA 32703

ENGINEER OF RECORD
KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 18243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (887) 448-3412

PROJECT NAME
MICHAEL R. COOPER
CONSTRUCTION
COMPANY, INC.
BUSINESS CENTER

DWG SHEETS 1-4	SHEET
DATE MARCH 31, 2023	EX3
SCALE AS SHOWN	



NO.	REVISION/ISSUE	DATE
1	COA DRC	10/26/23

FIRE TRUCK TURN EXHIBIT 4
MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
700 GEM COMMERCE COURT
APOPKA, FLORIDA 32703

ENGINEER OF RECORD
KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 15243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (877) 468-3412

PROJECT NAME
MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
BUSINESS CENTER

DWG
SHEETS 1-4
DATE
MARCH 31, 2023
SCALE
AS SHOWN

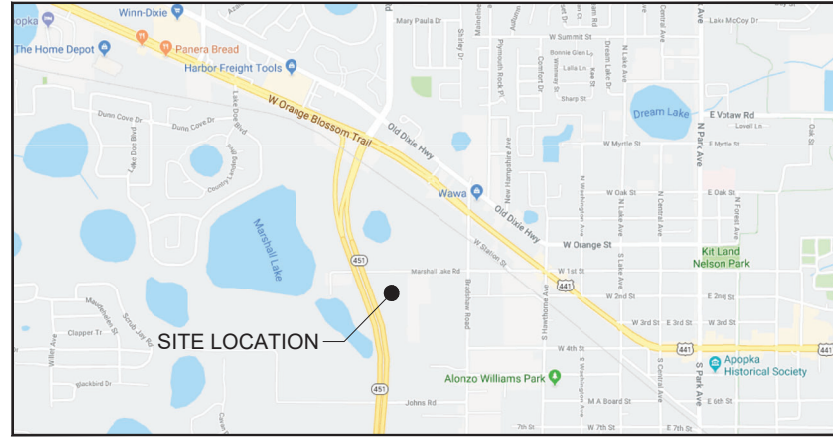
SHEET
EX4

FIRE TRUCK TURN EXHIBIT 4
SCALE: N.T.S.

48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

CONSTRUCTION PLAN
INDEX OF DRAWINGS

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	BOUNDARY SURVEY
3	GENERAL NOTES
4	KEY MAP
5	DEMOLITION PLAN
6	DEMOLITION PLAN
7	STORM WATER POLLUTION PREVENTION PLAN
8	STORM WATER POLLUTION PREVENTION PLAN
9	SITE DEVELOPMENT PLAN
10	SITE DEVELOPMENT PLAN
11	UTILITY PLAN
12	UTILITY PLAN
13	CITY OF APOPKA DETAILS
14	CITY OF APOPKA DETAILS
15	CITY OF APOPKA DETAILS
16	STANDARD DETAILS
17	DRAINAGE DETAILS
18	LIFT STATION DETAILS
19	TYPICAL CROSS SECTIONS
20	LANDSCAPE PLAN
21	LANDSCAPE PLAN
22	IRRIGATION PLAN
23	IRRIGATION PLAN
24	PHOTOMETRIC PLAN
25	PHOTOMETRIC PLAN



VICINITY MAP

NTS

PROPOSED USE: OFFICE / WAREHOUSE / STORAGE (SELF)

SCOPE OF WORK:

CONSTRUCT METAL BUILDING, WITH MASONRY WALLS UP 12'-8" SLAB ON GRADE, ARCHITECTURAL, PLUMBING, MECHANICAL, FIRE PROTECTION (SPRINKLER) AND ELECTRICAL

PROPERTY OWNER: MARSHALL LAKE PROPERTIES, LLC.

REPRESENTATIVE: MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.
MICHAEL R. COOPER (407) 889-2510

REFERENCE: CITY OF APOPKA CODE ADOPTED MARCH 6, 2019

TABLE 5.11.4.B: GREEN BUILDING POINT SYSTEM

PROVIDE SKYLIGHTS IN AN AMOUNT NECESSARY TO ENSURE NATURAL LIGHTING IS PROVIDED TO AT LEAST 25 PERCENT OF THE HABITABLE ROOMS IN THE STRUCTURE. (BUILDING PERMIT)	0.50
USE CENTRAL AIR CONDITIONERS THAT ARE ENERGY STAR QUALIFIED. (BUILDING PERMIT)	0.50
USE OF ONLY SOLAR OR TANK-LESS WATER HEATING SYSTEMS THROUGHOUT THE STRUCTURE. (BUILDING PERMIT)	0.50 (3 STRUCTURES)
USE VEGETATION OR VEGETATED STRUCTURES TO SHADE HVAC UNITS. (COA DRC SITE PLAN)	0.25
PROVIDE A MINIMUM OF FIVE PERCENT OF REQUIRED AUTOMOBILE PARKING SPACES THAT ARE SIGNED AND RESERVED FOR HYBRID/ELECTRIC/LOW ENERGY VEHICLES IN PREFERRED LOCATIONS NEAR THE PRIMARY BUILDING ENTRANCE. (COA DRC SITE PLAN)	0.25
PROVIDE MORE BICYCLE PARKING THAN REQUIRED BY SEC. 5.1.11, BICYCLE PARKING STANDARDS, WHILE ENSURING THAT ALL OTHER BICYCLE PARKING STANDARDS IN SECTION 5.1, OFF-STREET PARKING, BICYCLE PARKING, AND LOADING STANDARDS ARE MET. (COA DRC SITE PLAN)	0.50 PER ADDITIONAL 5 PERCENT BICYCLE PARKING SPACES
PROVIDE A MINIMUM OF TWO ELECTRIC VEHICLE (EV) LEVEL 3 CHARGING STATIONS THAT ARE MADE AVAILABLE IN A PARKING STRUCTURE OR OFF-STREET PARKING LOT TO THOSE USING THE BUILDING. (COA DRC SITE PLAN)	0.75
RESILIENCY TO NATURAL HAZARDS	
INSTALL OPERABLE WINDOWS TO ALLOW FOR NATURAL VENTILATION IN THE EVENT OF POWER FAILURES. (BUILDING PERMIT)	0.25
ELEVATE NEW AND/OR EXISTING STRUCTURES MORE THAN 3 FEET ABOVE BASE FLOOD ELEVATION (BFE). (COA DRC SITE PLAN)	0.50 PER FOOT ABOVE BFE
	3.00
	4.50

PROJECT UPDATE: 02/12/24

POINTS

MAJOR DEVELOPMENT PLAN
MARSHALL LAKE PROPERTIES, LLC.

MARSHALL LAKE BUSINESS CENTER

PARCEL ID:
08-21-28-0000-00-010

ADDRESS:
780 MARSHALL LAKE ROAD

CITY OF APOPKA
JUNE, 2023

NO VARIANCES
AND
NO WAIVERS

BASE FLOOD ELEVATION (BFE)

NOTE: REFERENCE FEMA NATIONAL FLOOD HAZARD LAYER

70.3

18 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

MAJOR SITE PLAN SUBMITTAL ATTACHMENTS:

FLORIDA ENVIRONMENTAL REGULATION SPECIALISTS, INC. (FER)	
ENVIRONMENTAL REPORT	AUGUST 21, 2023
YOVAISH ENGINEERING SERVICES, LLC.	
PROGRESS REPORT NO. 1, SUBSOIL AND GROUNDWATER LEVEL INVESTIGATION	JUNE 13, 2023
BBM STRUCTURAL	
N/A	N/A
TRAFFIC PLANNING AND DESIGN, INC.	
TRAFFIC IMPACT ANALYSIS	NOVEMBER 17, 2023
AMERICAN CIVIL ENGINEERING CO.	
STORMWATER MANAGEMENT REPORT	OCTOBER 25, 2023
PROFESSIONAL ENGINEERING SERVICES	
COVER LETTER	NOVEMBER 28, 2023
APPLICATION	NOVEMBER 28, 2023
COMMENT AND RESPONSE	NOVEMBER 28, 2023
CONSTRUCTION PLANS	OCTOBER 27, 2023
FIRE TRUCK TURN EXHIBITS	OCTOBER 27, 2023
CITY OF APOPKA UTILITY SCHEMATIC	OCTOBER 27, 2023
LANDSCAPE AND IRRIGATION DESIGN	
LANDSCAPE AND IRRIGATION PLANS	OCTOBER 27, 2023
MICHAEL R. COOPER CONSTRUCTION COMPANY, INC.	
WASTEWATER FEE	OCTOBER 30, 2023
NIETO-WHITTAKER SURVEYING LLC.	
BOUNDARY AND TOPOGRAPHIC SURVEY	JULY 17, 2023

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/27/23

COVER SHEET
MARSHALL LAKE PROPERTIES, LLC.
780 MARSHALL LAKE ROAD
APOPKA, FLORIDA 32703



Reason: Kenneth H Ehlers PE18243 This item has been 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.
Date: 2024.02.22 00:22:40 -05'00'
Adobe Acrobat version: 2023.008.20533

ENGINEER OF RECORD

KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 18243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32751
CELL PHONE: (407) 446-3412

PROJECT NAME

MARSHALL LAKE
BUSINESS CENTER

DWG SHEETS 1-25	SHEET
DATE APRIL 08, 2023	1
SCALE AS SHOWN	

REQUIRED:

PROVIDED:

DEMOLITION AND EROSION CONTROL NOTES:

- SILT SCREENS AND TURBIDITY BARRIERS INSTALLED MUST REMAIN IN PLACE AND MAINTAINED IN GOOD CONDITION AT ALL LOCATIONS SHOWN UNTIL THE CONSTRUCTION IS COMPLETED, SOILS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.
- THE EROSION CONTROL MEASURES SET FORTH IN THESE PLANS ARE INTENDED AS MINIMUM STANDARDS. ANY EROSION CONTROL REQUIRED BY THE CITY OF APOPKA BEYOND THAT SPECIFIED SHALL BE CONSIDERED AS INCLUDED WITH THIS CONTRACT.
- ALL EROSION AND SEDIMENT CONTROL AND TREE PROTECTION WORK SHALL CONFORM TO THE DESIGN STANDARDS OF THE CITY OF APOPKA, ORANGE COUNTY, FLORIDA, AND THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT.
- EROSION AND SEDIMENT CONTROL MEASURES AND TREE PROTECTION BARRIERS ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN, CONSTRUCTION/SEDMEN CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.
- SEDIMENT MATERIALS FROM WORK ON THIS PROJECT SHALL BE CONTAINED AND NOT ALLOWED TO COLLECT ON ANY OFF-PERIMETER AREAS OR IN WATERWAYS. THESE INCLUDE BOTH NATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES, AND POND.
- DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE EFFECTIVENESS OF EROSION/SEDMEN CONTROL EFFORTS AND TREE BARRICADES. ANY NECESSARY REMEDIES SHALL BE PERFORMED WITHOUT DELAY.
- ALL MUD, DIRT OR OTHER MATERIALS TRACKED OR SPILLED ONTO EXISTING PUBLIC OR PRIVATE ROADS AND FACILITIES, DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL THE REQUIRED CONSTRUCTION PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
- THE SILT FENCE DETAIL IS SHOWN ON PLAN SHEET 7.

GENERAL NOTES:

- EXISTING ROADWAY BASE MATERIALS SUCH AS LIMESTONE OR LIMEROCK MAY BE USED IN STABILIZATION IF SUITABLE FOR MIXING.
- ALL DEBRIS AND WASTE MATERIALS GENERATED BY DEMOLITION OR SUBSEQUENT CONSTRUCTION ACTIVITIES SHALL BE DISPOSED OFFSITE IN A LEGITIMATE MANNER. THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED FOR DEMOLITION, CONSTRUCTION WORK AND HAULING WASTE MATERIALS. ALL ASSOCIATED COSTS AND PERMIT FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE ALL SHEETING, SHORING AND BRACING REQUIRED TO PROTECT ADJACENT STRUCTURES AND UTILITIES OR TO MINIMIZE TRENCH WIDTH AS REQUIRED. SHEETING AND SHORING SHALL BE DESIGNED BY A STATE OF FLORIDA, REGISTERED P.E., RETAINED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL AND SAFETY DEVICES IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE LATEST FL DEPARTMENT OF TRANSPORTATION "ROADWAY DESIGN STANDARDS".
- MAINTENANCE OF TRAFFIC ACCESS FOR LOCAL TRAFFIC WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED. IF, DURING CONSTRUCTION ACCESS FOR LOCAL TRAFFIC IS CHANGED, THEN THE CONTRACTOR SHALL NOTIFY THE OWNER A MINIMUM OF THREE WORKING DAYS IN ADVANCE. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH INDEX NO 600 OF THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS.
- GOVERNING STANDARDS AND SPECIFICATIONS ON THIS PROJECT ARE: THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DESIGN STANDARDS (2017/2018 EDITION), FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2018 EDITION), AND THE CITY OF APOPKA UTILITY DESIGN AND CONSTRUCTION MANUAL (2018 EDITION).
- 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.
- 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.
- ALL EXISTING TREES AND STUMPS WITHIN THE PUBLIC RIGHT-OF-WAY AND LIMIT OF THE PROJECT SHALL BE REMOVED AS CLEARING AND GRUBBING, AS DEPICTED IN THE CONSTRUCTION PLANS, UNLESS DIRECTED OTHERWISE.
- SEED AND MULCH ALL DISTURBED AREAS NOT COVERED BY SOD UNLESS DIRECTED OTHERWISE.
- ALL PAVEMENT OFFSETS DEPICTED IN THE CONSTRUCTION PLANS ARE TO THE PROPOSED CENTERLINE OF CONSTRUCTION, WHEREAS RADIUS DIMENSIONS ARE TO THE EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
- TURNOUT LOCATIONS AND WIDTHS DEPICTED IN THE CONSTRUCTION PLANS ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY OR AS DIRECTED BY THE ENGINEER OF RECORD. ALL TURNOUTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT INDEX NO. 515.
- 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 CONSTRUCTION PLANS AND/OR DESIGNATED BY THE ENGINEER OF RECORD.
- THE INFORMATION DEPICTED IN THE CONSTRUCTION PLANS CONCERNING THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON AVAILABLE RECORDS AND SURVEYS, BUT IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR SHALL MAKE 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.
- PRIOR TO ORDERING DRAINAGE STRUCTURES, THE CONTRACTOR SHALL DETERMINE IF DRAINAGE UTILITY CONFLICTS EXIST. INFORMATION ABOUT POSSIBLE CONFLICTS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR A RESOLUTION, AS SOON AS POSSIBLE AFTER DISCOVERY OF SUCH CONFLICTS.
- THE CONTRACTOR SHALL NOTIFY ALL GAS UTILITY COMPANIES A MINIMUM OF TWO WORKING DAYS PRIOR TO EXCAVATION AS REQUIRED BY CHAPTER 77-153, LAWS OF FLORIDA, PROTECTION OF GAS PIPELINES, OF THE FLORIDA STATE STATUTES.
- 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 PUBLIC ROAD CONSTRUCTION SPECIFICATIONS.
- ALL CURB INLETS, DITCH BOTTOM INLETS, AND MANHOLES SHALL HAVE TRAFFIC BEARING FRAMES AND COVERS OR GRATES MEETING HS-20 LOADING REQUIREMENTS.
- 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 OF FOR THE MODIFICATION OF PRECAST STRUCTURES.
- ALL BENCHMARKS (IRONS AND MONUMENTS) DEPICTED IN THE CONSTRUCTION PLANS, IF FOUND, SHALL BE PRESERVED. THOSE SHOWN IN PROPOSED PAVEMENT SHALL BE PROTECTED WITH A CAST IRON VALVE BOX.
- 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 OF RECORD, WITHOUT DELAY, BY TELEPHONE. THE CONTRACTOR SHALL PROVIDE WRITTEN FOLLOW UP CONFIRMATION WITHIN 48-HOURS OF TELEPHONE NOTIFICATION.

GENERAL NOTES CONTINUED:

- PRIOR TO BEGINNING OF ANY CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD A SET OF FIELD NOTES VERIFYING THE BENCHMARK ELEVATIONS AND THE REFERENCE POINT CONNECTIONS ON THE PLAN AND PROFILE VIEW SHEETS, AND 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 NATIONAL GEODETIC VERTICAL DATUM (NVD 2011). ALL SUBMITTALS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA.
- 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 OF MATERIALS WILL BE PROCESSED UNTIL THE RIGHT-OF-WAY HAS BEEN STAKED TO THE SATISFACTION OF THE ENGINEER OF RECORD.
- 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 OF RECORD, AND BOTH SHALL NOTIFY THE STATE OF FLORIDA GEODETIC ADVISOR, STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF STATE LANDS, BUREAU OF SURVEY AND MAPPING, MAIL STATION 105, 3900 COMMONWEALTH BLVD, TALLAHASSEE, FL 32309-3000, PHONE: (850) 245-2606.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ACQUIRE ALL NECESSARY RIGHT-OF-WAY UTILIZATION 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 OF THE STATE OF FLORIDA, THE CONTRACTOR SHALL ACQUIRE THE REQUIRED PERMITS FROM THESE AGENCIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND IN-HAND BEFORE BEGINNING ANY CONSTRUCTION.
- THE LOCATIONS OF ALL EXISTING UTILITIES, STORM DRAINAGE SYSTEMS, AND TOPOGRAPHIC FEATURES DEPICTED IN THE CONSTRUCTION PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER OF RECORD ASSUMES NO RESPONSIBILITY FOR THEIR INACCURACY. SHOULD A DISCREPANCY ARISE BETWEEN THE CONSTRUCTION PLANS AND THE ACTUAL FIELD CONDITIONS, WHICH WOULD SUBSTANTIALLY AFFECT THE EXECUTION OF THE PLANS, THE CONTRACTOR SHALL HALT CONSTRUCTION AND IMMEDIATELY NOTIFY THE ENGINEER OF RECORD.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE CITY AT LEAST 48-HOURS BEFORE SCHEDULING ANY INSPECTION. ALSO, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL INSPECTION CRITERIA, SCHEDULES, AND SIGNING THE SAID INSPECTIONS.
- 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 IN THE CONSTRUCTION PLANS OR TECHNICAL SPECIFICATIONS ON THE CONTRACT.
- 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 CONSTRUCTION PLANS OR TECHNICAL SPECIFICATIONS OF THE CONTRACT.
- ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES AND REGULATIONS.
- APPARENT ERRORS, DISCREPANCIES OR OMISSIONS IN THE CONSTRUCTION PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD BEFORE BIDDING.
- 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 INSPECTION IS SCHEDULED, 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.
- 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 IN THE CONSTRUCTION PLANS. THE CONTRACTOR SHALL NOT TAKE ADVANTAGE OF ANY APPARENT ERROR OR OMISSION IN THE CONSTRUCTION PLANS OR TECHNICAL SPECIFICATIONS AND ENGINEER OF RECORD 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.

GRADING AND DRAINAGE NOTES:

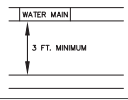
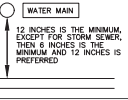
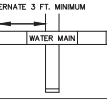
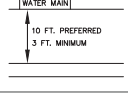
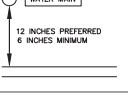
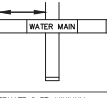
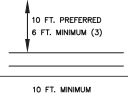
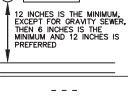
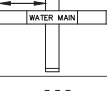
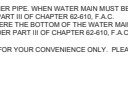
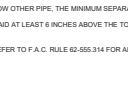
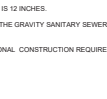
- EXISTING TOPOGRAPHY AND ROADWAY RIGHTS-OF-WAY DATA SHOWN ARE BASED UPON CERTIFIED BOUNDARY AND TOPOGRAPHIC SURVEY PROVIDED BY NIETO WHITTAKER SURVEYING, LLC.
- GEOTECHNICAL/SOIL REPORT PREPARED BY YOVAISH ENGINEERING SCIENCES, INC.
- CONTRACTOR SHALL VERIFY EXISTING TOPOGRAPHIC DATA LOCATIONS OF EXISTING UTILITIES AND ALL OTHER SITE CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
- ALL CONSTRUCTION WITHIN STREET RIGHTS-OF-WAY SHALL CONFORM TO APPLICABLE STATE AND LOCAL JURISDICTIONAL REQUIREMENTS.
- ALL OPEN DRAINAGE SWALES SHALL BE GRASSED AND RIP RAP MUST BE PLACED AS NECESSARY TO CONTROL EROSION (WHERE APPLICABLE).
- GRADING CONTRACTOR IS RESPONSIBLE FOR STRIPPING AND STOCKPILING OF TOPSOIL. THE GRADING CONTRACTOR IS ALSO RESPONSIBLE FOR SPREADING 4" OF TOPSOIL ON ALL LANDSCAPE AREAS AND REMOVING EXCESS TOPSOIL FROM SITE.
- GRADING CONTRACTOR SHALL PROVIDE AND INSTALL TOPSOIL IN DISTURBED AREAS TO BE GRASSED TO INCLUDE PAVEMENT SHOULDERS AND DETENTION AREAS.
- FOR BENCHMARK INFORMATION REFER TO CERTIFIED BOUNDARY AND TOPOGRAPHIC SURVEY PLAN.
- ALL GRADES SHOWN ARE FINISHED GRADES UNLESS NOTED OTHERWISE.
- INLET ELEVATIONS AND MANHOLE ELEVATIONS ARE TOP OF RIM.
- ALL MATERIALS, INSTALLATION, AND TESTING SHALL BE IN ACCORDANCE WITH THE CITY OF APOPKA AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. WHERE STANDARDS CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL APPLY.
- COORDINATE VALUES, IF SHOWN, ARE BASED ON A LOCAL GRID ESTABLISHED BY THE SURVEYOR.
- ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE GRADED TO ORIGINAL GROUND LINES, FINISHED WITH ARGENTINE BAHIA SOD UNLESS NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN ALL AREAS UNTIL FINAL ACCEPTANCE.
- SUBSURFACE INFORMATION FOR THIS PROJECT WAS OBTAINED FOR DESIGN PURPOSES AND MAY NOT BE AN ADEQUATE REPRESENTATION OF ACTUAL CONDITIONS AT TIME OF CONSTRUCTION. INFORMATION SHOWN, INCLUDING WATER LEVELS, REPRESENT EXISTING CONDITIONS AT SPECIFIC BORING LOCATIONS AT THE TIME THE BORINGS WERE PERFORMED.
- ALL REFERENCES TO PROPOSED CONSTRUCTION INDICATES CONSTRUCTION INCLUDED IN CONTRACT.
- ANY DIFFERING SITE CONDITIONS FROM THAT WHICH IS REPRESENTED HEREON, WHETHER ABOVE, ON OR BELOW THE SURFACE OF THE GROUND, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER OR ARCHITECT, IN WRITING, WITHIN 48 HOURS OF DISCOVERY. NO CLAIM FOR EXPENSES INCURRED BY THE CONTRACTOR DUE TO SUCH DIFFERING CONDITIONS WILL BE ALLOWED IF HE FAILS TO PROVIDE WRITTEN NOTIFICATION.
- THE GENERAL CONTRACTOR MUST VERIFY SOIL CEMENT BASE FLOW LINE ELEVATIONS BEFORE PAYING TO ENSURE POSITIVE DRAINAGE TO INLET.

STANDARD UTILITY NOTES:

- CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES PRIOR TO ANY CONSTRUCTION ACTIVITY FOR DIG PERMITS ELECTRICAL, PERMITS OR OTHER PERMITS AS APPLICABLE. CONTRACTOR IS ALSO TO COORDINATE FULLY WITH UTILITY COMPANIES ON EXACT LOCATION OF UNDERGROUND UTILITIES AND ANY UTILITY ADJUSTMENT REQUIRED. UTILITIES COMPANIES SHALL BE NOTIFIED A MINIMUM OF THREE WORKING DAYS PRIOR TO EXCAVATION.
- THE LOCATION OF EXISTING UTILITIES, SUCH AS WATER MAINS, SEWER MAINS, GAS LINES, ETC. AS SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. HOWEVER, THE ENGINEER AND OWNER DO NOT ASSUME RESPONSIBILITY FOR THE ACCURACY OF THE LOCATIONS SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL UTILITY COMPANIES FORTY-EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES AND HAVE THEIR FACILITIES LOCATED IN THE FIELD PRIOR TO ANY WORK.
- WHERE APPLICABLE UTILITY TRENCHES CROSSING PAVEMENT AREAS SHALL BE BACKFILLED WITH GRANULAR MATERIAL IN TWELVE INCH (12") LAYERS AND COMPACTED TO NINETY EIGHT PERCENT (98%) MAXIMUM DENSITY AS DETERMINED BY AASHTO.
- ALL UNSUITABLE MATERIALS UNDER WATER MAIN, STORM SEWER AND SANITARY SEWER PIPES SHALL BE REMOVED AND REPLACED WITH SELECTED BACKFILL COMPACTED TO NINETY-FIVE PERCENT (95%) OF ITS MAXIMUM DENSITY AT TWO PERCENT (2%) MORE OR LESS OF OPTIMUM MOISTURE CONTENT AS DETERMINED BY THE MODIFIED PROCTOR TEST (ASTM D1557).
- ANY DAMAGE TO UNDERGROUND UTILITIES AND/OR STRUCTURES SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL INSTALL ALL WATER AND SEWER LINES AND SERVICES A MINIMUM OF THIRTY-SIX INCHES (36") BELOW FINISHED GRADE TO TOP OF PIPE UNLESS INDICATED OTHERWISE ON THE PLANS.
- ALL SANITARY SEWER GRAVITY PIPE SHALL BE POLYVINYL CHLORIDE (PVC) CONFORMING TO ASTM-3034, SDR 35 AND BE INSTALLED IN ACCORDANCE WITH ASTM D-2321.
- SANITARY SEWER PRESSURE PIPE SHALL BE POLYVINYL CHLORIDE PRESSURE PIPE CONFORMING TO AWWA C-900 WITH DIMENSION RATIO (DR) OF TWENTY FIVE (25) AND A MINIMUM PRESSURE CLASS OF ONE HUNDRED POUNDS PER SQUARE INCH (100 P.S.I.).
- UNLESS INDICATED OTHERWISE ON THE PLANS, SIX INCH (6") POLYVINYL CHLORIDE SEWER LATERALS SHALL HAVE A MINIMUM SLOPE OF ONE PERCENT (1.0%) AND FOUR INCH (4") POLYVINYL CHLORIDE SEWER LATERALS SHALL HAVE A MINIMUM SLOPE OF TWO PERCENT (2.0%).
- WATER SERVICE PIPE SHALL BE POLYVINYL CHLORIDE PRESSURE PIPE CONFORMING TO AWWA C-900 WITH DIMENSION RATIO (DR) OF EIGHTEEN (18) AND A MINIMUM PRESSURE CLASS OF ONE HUNDRED FIFTY POUNDS PER SQUARE INCH (150 P.S.I.).
- ALL WATER PIPE SHALL BE DISINFECTED AND HYDROSTATICALLY TESTED IN ACCORDANCE WITH AWWA STANDARDS C651, C600 OR M23 FOR POLY VINYL CHLORIDE AND LOCAL UTILITY SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE AT HIS EXPENSE, ALL NECESSARY TESTING EQUIPMENT, PRESSURE GAUGES, WATER METERS AND FACILITIES REQUIRED FOR PRESSURE AND LEAKAGE TESTING.
- FULLY RESTRAINED DUCTILE IRON PIPING, IF SPECIFIED ON THE PLANS, SHALL BE USTR FLEX OR APPROVED EQUAL.
- PVC JOINT RESTRAINT SHALL BE UNI-FLEX SERIES 1350 OR APPROVED EQUAL.
- ALL WATER AND SANITARY SEWER IMPROVEMENTS SHALL BE INSTALLED AND MAINTAINED BY OWNER IN CONFORMANCE WITH THE LOCAL UTILITY PROVIDER.
- CONTRACTOR IS TO ADJUST ANY UTILITY ELEMENT MEANT TO BE FLUSH WITH GRADE (CLEAN OUTS, MANHOLES, CATCH BASINS, INLETS, ETC.) THAT IS AFFECTED BY SITE WORK OR GRADE CHANGES.
- ELECTRICAL, TELEPHONE, GAS, AND CABLE TELEVISION SERVICE WILL BE PROVIDED BY APPROPRIATE UTILITY COMPANIES. THE CONTRACTOR SHALL COORDINATE LOCATIONS AND SERVICES FOR THESE UTILITIES WITH THE ENTITIES INVOLVED.

UTILITY SEPARATION NOTES:

LOCATION OF PUBLIC WATER SYSTEM MAINS IN ACCORDANCE WITH F.A.C. RULE 62-365.314

OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1)	JOINT SPACING & CROSSINGS (2)
STORM SEWER, STORMWATER FORCE MAIN, RECLAIMED WATER (2)			
VACUUM SANITARY SEWER			
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN, RECLAIMED WATER (4)			
ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM			

- WATER MAIN SHOULD CROSS ABOVE OTHER PIPE, WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
- RECLAIMED WATER REGULATED UNDER PART II OF CHAPTER 62-415, F.A.C.
- 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.
- RECLAIMED WATER NOT REGULATED UNDER PART II OF CHAPTER 62-415, F.A.C.

DISCLAIMER - THIS DOCUMENT IS PROVIDED FOR YOUR CONVENIENCE ONLY. PLEASE REFER TO F.A.C. RULE 62-365.314 FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.

NO.	REVISION/ISSUE	DATE

GENERAL NOTES

MARSHALL LAKE PROPERTIES, LLC.
780 MARSHALL LAKE ROAD
APOPKA, FLORIDA 32703

ENGINEER OF RECORD

KEN EHLERS, P.E.

FLORIDA P.E. LICENSE NO. 16243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (877) 448-8412

PROJECT NAME

MARSHALL LAKE

BUSINESS CENTER

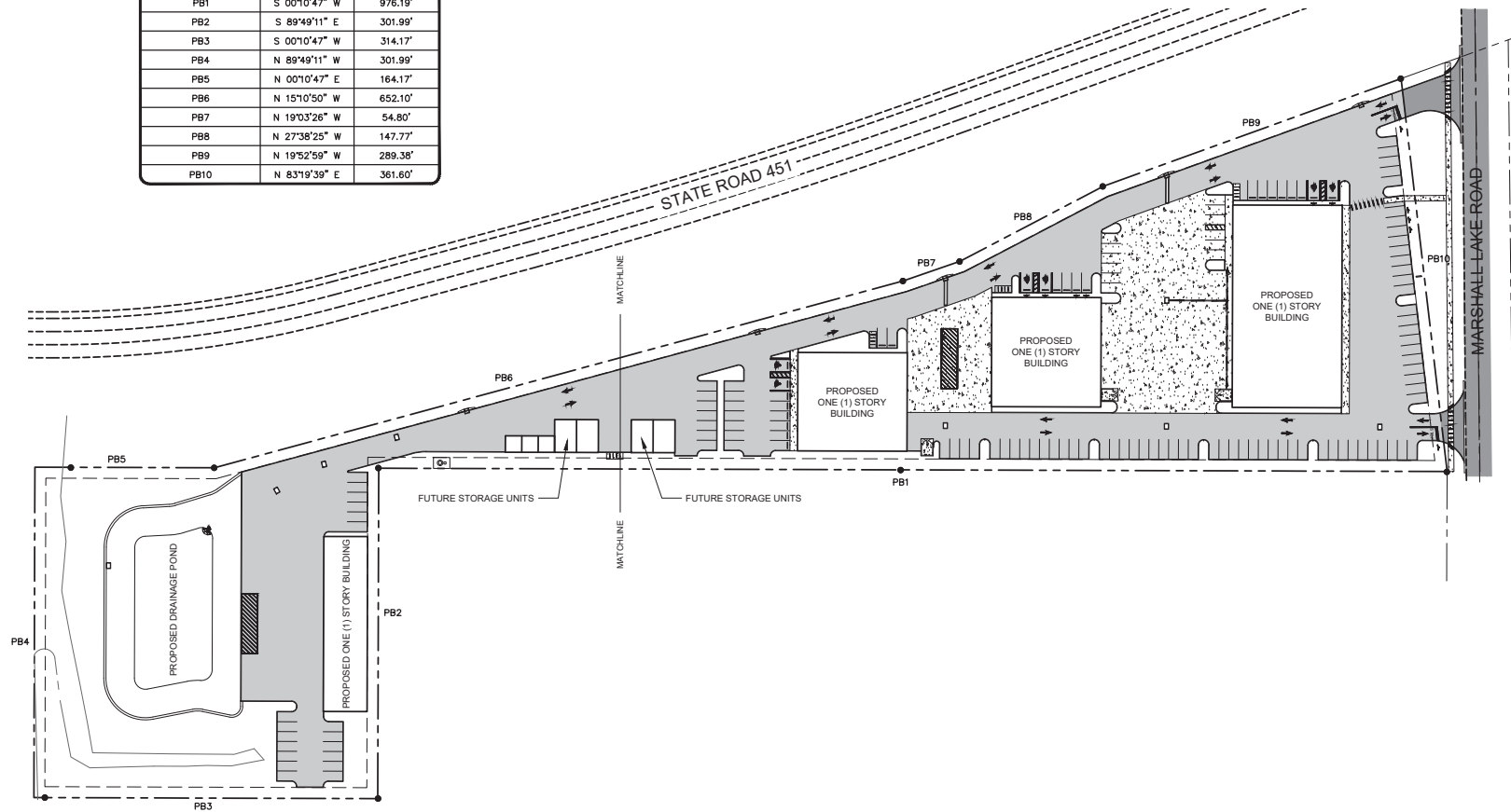
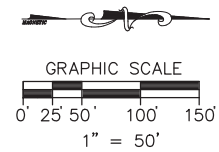
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SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

DWG SHEETS 1-25	SHEET
DATE APRIL 05, 2023	3
SCALE AS SHOWN	

PROJECT UPDATE: 02/12/24

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PROPERTY BOUNDARY INFORMATION		
PROPERTY BOUNDARY:	BEARING:	LENGTH:
PB1	S 00°10'47" W	976.19'
PB2	S 89°49'11" E	301.99'
PB3	S 00°10'47" W	314.17'
PB4	N 89°49'11" W	301.99'
PB5	N 00°10'47" E	164.17'
PB6	N 15°10'50" W	652.10'
PB7	N 19°03'26" W	54.80'
PB8	N 27°38'25" W	147.77'
PB9	N 19°52'59" W	289.38'
PB10	N 83°19'39" E	361.60'



KEY MAP

SCALE: 1" = 50'

PROJECT UPDATE: 02/12/24

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/27/23

KEY MAP
MARSHALL LAKE PROPERTIES, LLC.
780 MARSHALL LAKE ROAD
APOPKA, FLORIDA 32703

ENGINEER OF RECORD
KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 18243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (887) 468-3412

PROJECT NAME
**MARSHALL LAKE
BUSINESS CENTER**

DWG SHEETS 1-25	SHEET
DATE APRIL 09, 2023	4
SCALE AS SHOWN	

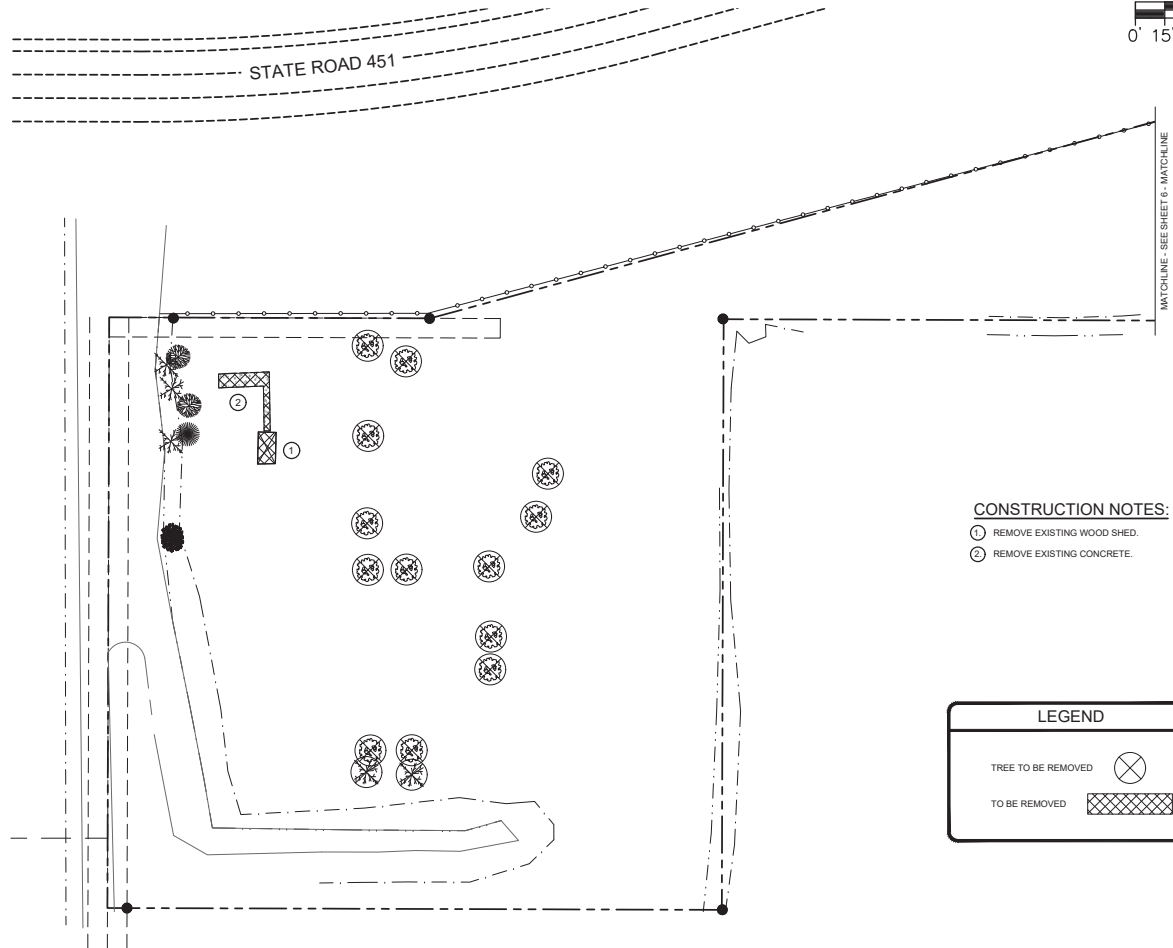
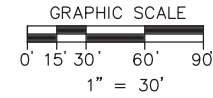
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GENERAL NOTES:

1. PROTECTIVE BARRIERS ARE USED DURING LAND ALTERATION AND CONSTRUCTION. ACTIVITIES TO PROTECT TREES AND NATURAL AREAS TO BE RETAINED ON A SITE.
2. PROTECTIVE BARRIERS MUST BE ERECTED AROUND TREES TO BE RETAINED WITHIN AN AREA WHERE LAND ALTERATION AND CONSTRUCTION ACTIVITIES WILL OCCUR AS WELL AS ALONG NATURAL AREAS WHERE SUCH AREAS ARE ADJACENT TO PERMITTED LAND ALTERATION OR CONSTRUCTION ACTIVITIES. A PROTECTIVE BARRIER MUST REMAIN IN PLACE UNTIL THE LAND ALTERATION AND CONSTRUCTION ACTIVITIES ARE COMPLETED OR UNTIL COMMENCEMENT OF GRADE FINISHING AND SODDING. NO GROUND DISTURBANCE MUST OCCUR WITHIN THE BARRICADE AREA. THE FOLLOWING REPRESENTS THE COUNTY'S MINIMUM PROTECTIVE BARRIER SPECIFICATIONS.
3. TREES TO RESTRICT ACCESS INTO THE AREA WITHIN THE DRIP LINE OF A TREE. A PHYSICAL STRUCTURE NOT LESS THAN 3 FEET IN HEIGHT, COMPRISED OF WOOD OR OTHER SUITABLE MATERIAL, IS PLACED AROUND THE TREE AT THE DRIP LINE, EXCEPT WHERE LAND ALTERATION OR CONSTRUCTION ACTIVITIES ARE APPROVED WITHIN THE DRIP LINE. THE DRIP LINE OF A TREE IS THE MAGINARY VERTICAL LINE THAT EXTENDS DOWNWARD FROM THE OUTERMOST TIPS OF THE TREE'S BRANCHES TO THE GROUND. BARRIER SPECIFICATIONS FOR TREES: FOUR CORNER UPRIGHT STAKES OF NO LESS THAN 2"x2" LUMBER CONNECTED BY HORIZONTAL MEMBERS OF NO LESS THAN 1"x4" LUMBER, OR UPRIGHT STAKES SPACED AT 5' INTERVALS OF NO LESS THAN 2"x2" LUMBER CONNECTED BY SILT SCREEN FABRIC OR MATERIAL OF COMPARABLE DURABILITY.
4. NATURAL AREAS - TO RESTRICT ACCESS INTO AREAS WHERE LAND ALTERATION AND CONSTRUCTION ACTIVITIES ARE NOT AUTHORIZED, A PHYSICAL STRUCTURE NOT LESS THAN 3 FEET IN HEIGHT IS PLACED ALONG THE PERIMETER OF SUCH BARRIER SPECIFICATIONS FOR NATURAL AREAS: UPRIGHT STAKES OF NO LESS THAN 2"x2" LUMBER SPACED NO MORE THAN 25' APART AND CONNECTED BY TWINE FLAGGED WITH PLASTIC SURVEYING TAPE AT REGULAR INTERVALS OF 5'-10'. OTHER METHODS OF DEMARCATION WILL BE CONSIDERED DEPENDING UPON THE CHARACTERISTICS OF THE SITE. A. TO PROTECT ALL ABOVE GROUND PORTIONS OF TREES AND OTHER SIGNIFICANT VEGETATION FROM MECHANICAL DAMAGE. B. TO PROTECT ROOT SYSTEMS FROM COMPACTION. C. TO PROVIDE AWARENESS OF PROTECTED AREAS TO EQUIPMENT.
5. DURING LAND ALTERATIONS AND CONSTRUCTION ACTIVITIES, IT SHALL BE UNLAWFUL, UNLESS APPROVED BY LAKE COUNTY, TO REMOVE VEGETATION (EXCEPT BY HAND) BY GRUBBING OR TO PLACE SOIL DEPOSITS, DEBRIS, SOLVENTS, CONSTRUCTION MATERIAL, MACHINERY OR OTHER EQUIPMENT OF ANY KIND WITHIN THE DRIP LINE OF A TREE TO REMAIN ON-SITE.
6. ALL TRIMMING UNDERTAKEN ON A TREE PROTECTED BY THE PROVISIONS OF THE LAND DEVELOPMENT CODE SHALL BE IN ACCORDANCE WITH THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A-300 PRUNING STANDARDS.
7. IN ORDER TO MINIMIZE SOIL EROSION, PROPOSED LAND ALTERATION ACTIVITIES SHALL NOT UNNECESSARILY REMOVE EXISTING VEGETATION AND ALTER EXISTING TOPOGRAPHY. ADEQUATE MEASURES (I.E. HAY BALES, BAFFLES, SODDING, AND SANDBAGGING) SHALL BE PROVIDED, AS NECESSARY, TO MINIMIZE EROSION AND DOWNSTREAM SEDIMENTATION CAUSED BY SURFACE WATER RUN-OFF ON EXPOSED LAND SURFACES.
8. NO EXCAVATION SHALL EXTEND BELOW THE PERMITTED DESIGN DEPTHS/ELEVATIONS SHOWN ON THE DRAWINGS, UNLESS ADDITIONAL TESTING SUPPORTS OTHERWISE; AND NO LOWER SEMI-CONFINING UNIT CLAYEY SOIL MATERIAL AND/OR NO LIMESTONE MATERIALS SHALL BE EXCAVATED, REGARDLESS IF THESE MATERIALS ARE ENCOUNTERED WITHIN THE PERMITTED EXCAVATION DEPTHS/ELEVATIONS. IF ANY LOWER SEMI-CONFINING UNIT CLAY SOIL MATERIALS OR LIMESTONE MATERIALS ARE ENCOUNTERED ABOVE THE PERMITTED DEPTHS/ELEVATIONS, THEN EXCAVATION OPERATIONS SHALL CEASE IN THE GENERAL AREA.
9. THE CONTRACTORS IS RESPONSIBILITY TO ENSURE THE INSTALLATION OF ADEQUATE EROSION CONTROL AS REQUIRED BY CITY OF APOPKA, AND PER PLANS. THESE DEVICES MUST BE MAINTAINED IN GOOD CONDITION THROUGHOUT THE CONSTRUCTION PROCESS AND UNTIL ALL LOOSE SOILS HAVE STABILIZED. ALL EROSION CONTROL DEVICES SHALL BE INSPECTED REGULARLY DURING CONSTRUCTION.
10. ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATIVE MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETER SOIL DISTURBANCE. SODDING, PLUGGING, SPRIGGING OR SEEDING IS ACCEPTABLE FOR STABILIZATION; HOWEVER, SODDING MAY BE REQUIRED IN AREAS OF EROSION-PRONE SOILS OR WHERE SLOPES ARE GREATER THAN 5:1. NO VEGETATION OTHER THAN GRASS IS ACCEPTABLE UNLESS OTHERWISE SPECIFIED.
11. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION.
12. EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM WITH CITY OF APOPKA SPECIFICATIONS, SUBJECT TO AUTHORIZATION AND APPROVED VARIANCES, WAIVERS, AND/OR CONDITIONAL CHANGES.
13. THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN AT PRE-CONSTRUCTION CONFERENCE. CONTRACTORS SHALL USE BEST MANAGEMENT PRACTICES IN CONTROLLING EROSION AND SEDIMENT DURING CONSTRUCTION.
14. CLEARED AREAS FOR IMPROVEMENT AND/OR CONSTRUCTION SHALL BE WATERED TO PREVENT WIND EROSION.
15. ONLY MARKED TREES WILL BE REMOVED.

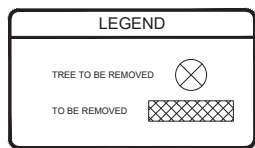
EXISTING UNDERGROUND AND OVERHEAD UTILITIES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING SIZE, MATERIAL TYPE, LOCATION, DEPTH AND CONDITION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO CONSTRUCTION. THE ENGINEER-OF-RECORD HAS NO RESPONSIBILITY WITH REGARD TO THE COMPLETENESS OR ACCURACY OF THE INFORMATION SHOWN ON THIS PLAN WITH REGARD TO THE EXISTENCE OR NON-EXISTENCE OF UNDERGROUND AND/OR OVERHEAD UTILITIES.



CONSTRUCTION NOTES:

- 1 REMOVE EXISTING WOOD SHED.
- 2 REMOVE EXISTING CONCRETE.



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DEMOLITION PLAN

SCALE: 1" = 30'

PROJECT UPDATE: 02/12/24

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/27/23

DEMOLITION PLAN

MARSHALL LAKE PROPERTIES, LLC.
780 MARSHALL LAKE ROAD
APOPKA, FLORIDA 32703

ENGINEER OF RECORD

KEN EHLERS, P.E.

FLORIDA P.E. LICENSE NO. 10243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (877) 468-3412

PROJECT NAME

MARSHALL LAKE

BUSINESS CENTER

DWG SHEETS 1-25	SHEET
DATE APRIL 09, 2023	5
SCALE AS SHOWN	

EXISTING UNDERGROUND AND OVERHEAD UTILITIES:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING SIZE, MATERIAL TYPE, LOCATION, DEPTH AND CONDITION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO CONSTRUCTION. THE ENGINEER-OF-RECORD HAS NO RESPONSIBILITY WITH REGARD TO THE COMPLETENESS OR ACCURACY OF THE INFORMATION SHOWN ON THIS PLAN WITH REGARD TO THE EXISTENCE OR NON-EXISTENCE OF UNDERGROUND AND/OR OVERHEAD UTILITIES.

CONSTRUCTION NOTES:

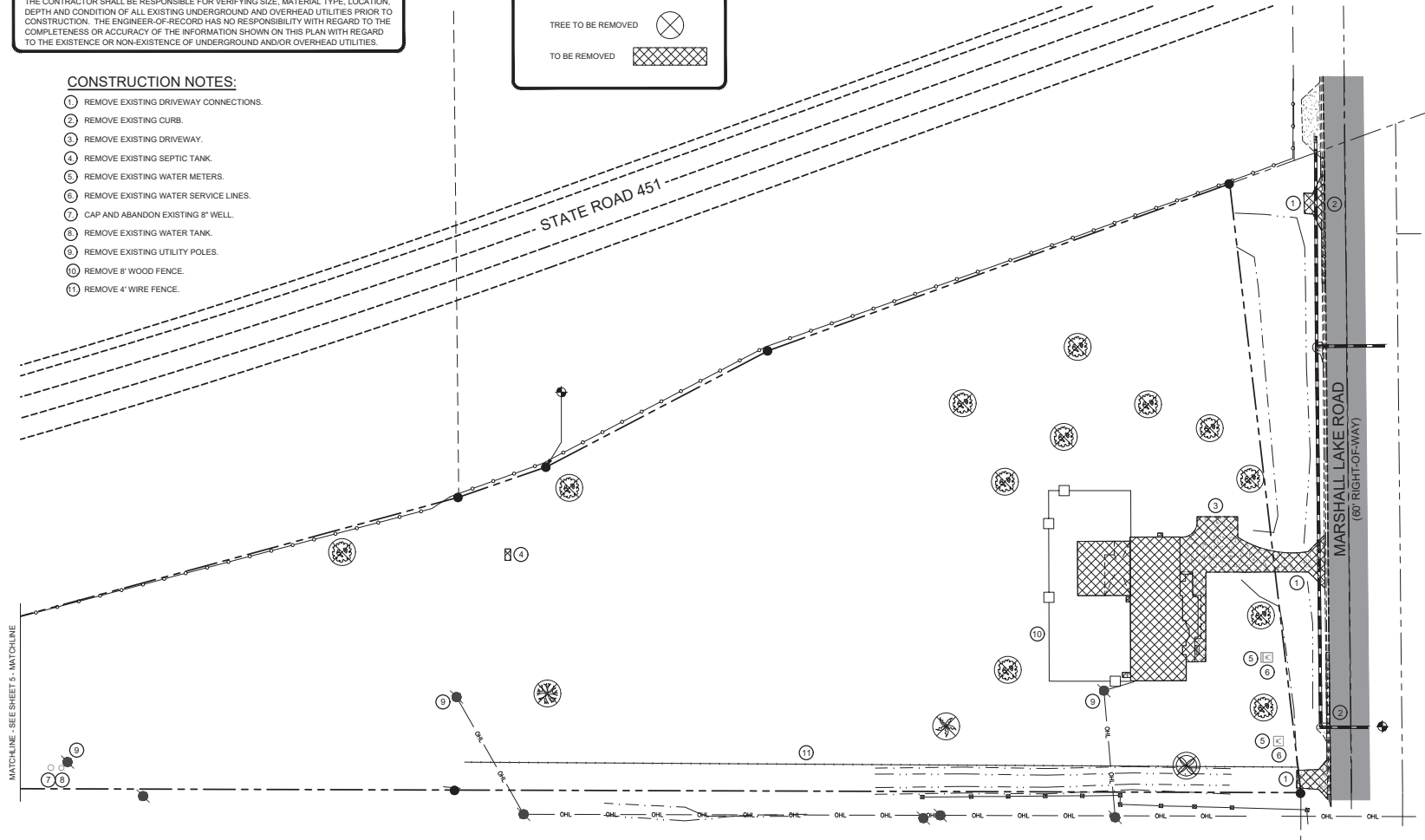
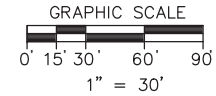
- 1 REMOVE EXISTING DRIVEWAY CONNECTIONS.
- 2 REMOVE EXISTING CURB.
- 3 REMOVE EXISTING DRIVEWAY.
- 4 REMOVE EXISTING SEPTIC TANK.
- 5 REMOVE EXISTING WATER METERS.
- 6 REMOVE EXISTING WATER SERVICE LINES.
- 7 CAP AND ABANDON EXISTING 8" WELL.
- 8 REMOVE EXISTING WATER TANK.
- 9 REMOVE EXISTING UTILITY POLES.
- 10 REMOVE 8" WOOD FENCE.
- 11 REMOVE 4" WIRE FENCE.

LEGEND

TREE TO BE REMOVED



TO BE REMOVED



DEMOLITION PLAN

SCALE: 1" = 30'

PROJECT UPDATE: 02/12/24

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/27/23

DEMOLITION PLAN

MARSHALL LAKE PROPERTIES, LLC.
780 MARSHALL LAKE ROAD
APOPKA, FLORIDA 32703

ENGINEER OF RECORD

KEN EHLERS, P.E.

FLORIDA P.E. LICENSE NO. 18243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (887) 468-3412

PROJECT NAME

MARSHALL LAKE

BUSINESS CENTER

DWG SHEETS 1-25

DATE

APRIL 05, 2023

SCALE

AS SHOWN

SHEET

6

EXISTING UNDERGROUND AND OVERHEAD UTILITIES:

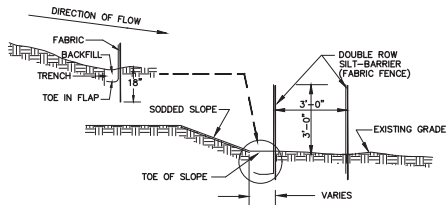
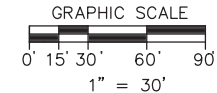
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING SIZE, MATERIAL TYPE, LOCATION, DEPTH AND CONDITION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO CONSTRUCTION. THE ENGINEER-OF-RECORD HAS NO RESPONSIBILITY WITH REGARD TO THE COMPLETENESS OR ACCURACY OF THE INFORMATION SHOWN ON THIS PLAN WITH REGARD TO THE EXISTENCE OR NON-EXISTENCE OF UNDERGROUND AND/OR OVERHEAD UTILITIES.

TREE PROTECTION

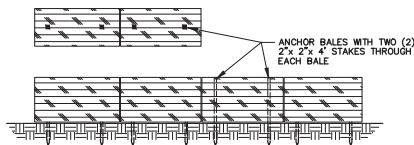
EXISTING TREES SHALL BE MAINTAINED TO THE GREATEST EXTENT POSSIBLE AND PROTECTED DURING CONSTRUCTION PER THE CITY'S DEVELOPMENT DESIGN GUIDELINES SECTION 4.5.

LEGEND

SILT FENCE



FABRIC FENCE SILT-BARRIER
N.T.S.



BALED HAY SILT-BARRIER
N.T.S.

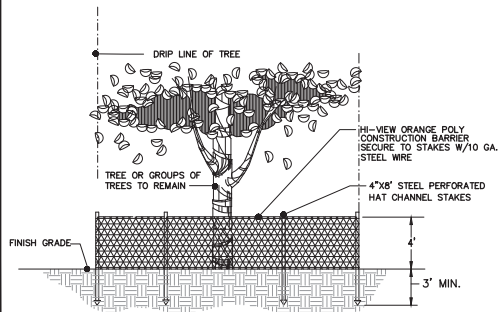
PERIMETER EROSION AND SEDIMENT CONTROL

NOTES:

1. CONTRACTOR IS REQUIRED TO PREVENT ANY SEDIMENT TRANSPORT FROM THE PROJECT SITE ON TO ADJACENT PROPERTY. INSTALLATION OF EITHER BALED HAY OR FABRIC FENCE TYPE SILT BARRIER IS ACCEPTABLE. THE BARRIER MUST REMAIN IN PLACE UNTIL UPLAND VEGETATION IS ESTABLISHED.
2. BEFORE REMOVING SILT BARRIER, CONTRACTOR SHALL COLLECT AND DISPOSE OF ANY ACCUMULATED SILT.

SILT BARRIER DETAIL

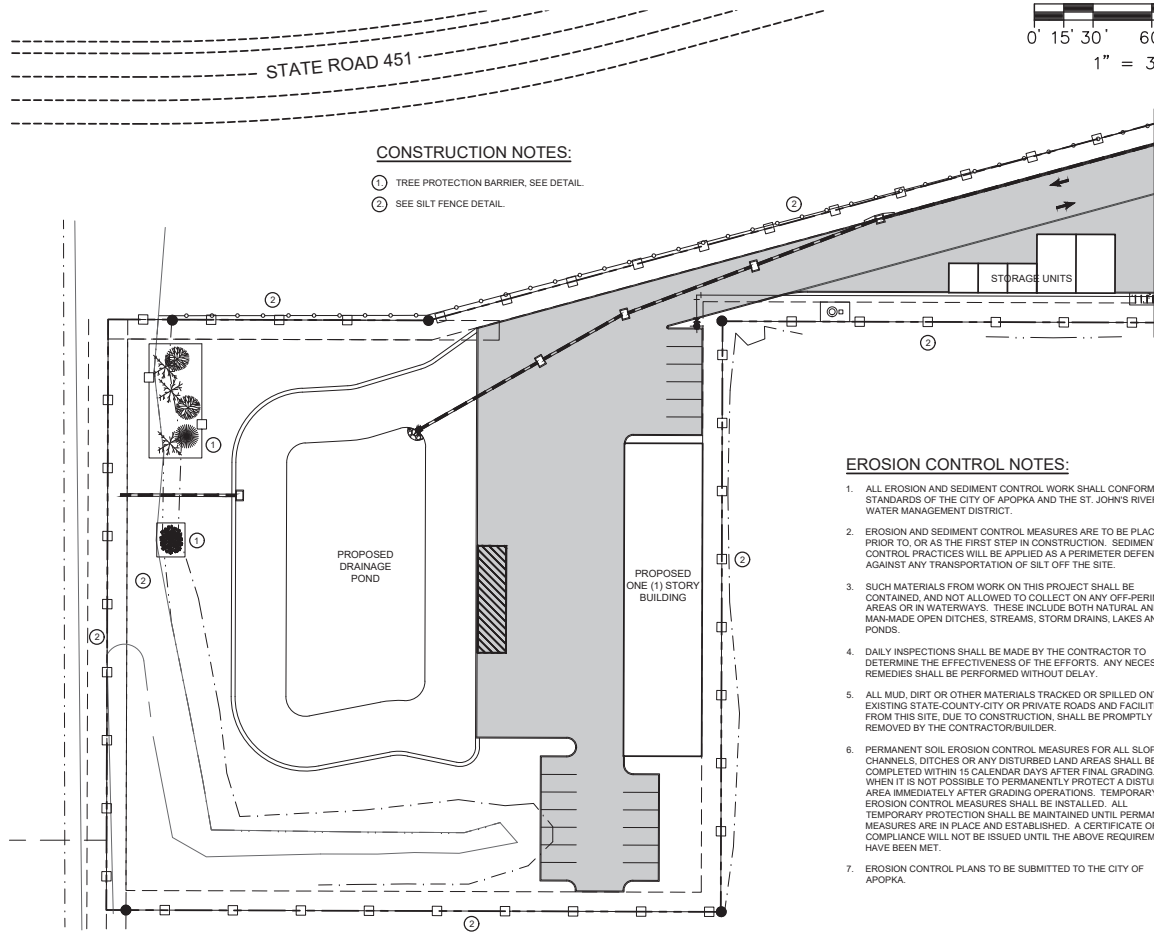
NOT TO SCALE



NOTE:
NO STOCKPILING OF MATERIALS, TRASH OR DEBRIS SHALL BE PERMITTED WITHIN THE BARRIER.

TREE PROTECTION BARRIER

NOT TO SCALE



CONSTRUCTION NOTES:

1. TREE PROTECTION BARRIER, SEE DETAIL.
2. SEE SILT FENCE DETAIL.

EROSION CONTROL NOTES:

1. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO STANDARDS OF THE CITY OF APOPKA AND THE ST. JOHN'S RIVER WATER MANAGEMENT DISTRICT.
2. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN CONSTRUCTION. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.
3. SUCH MATERIALS FROM WORK ON THIS PROJECT SHALL BE CONTAINED, AND NOT ALLOWED TO COLLECT ON ANY OFF-PERIMETER AREAS OR IN WATERWAYS. THESE INCLUDE BOTH NATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND PONDS.
4. DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE EFFECTIVENESS OF THE EFFORTS. ANY NECESSARY REMEDIES SHALL BE PERFORMED WITHOUT DELAY.
5. ALL MUD, DIRT OR OTHER MATERIALS TRACKED OR SPILLED ONTO EXISTING STATE-COUNTY-CITY OR PRIVATE ROADS AND FACILITIES FROM THIS SITE, DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR/BUILDER.
6. PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES OR ANY DISTURBED LAND AREAS SHALL BE COMPLETED WITHIN 15 CALENDAR DAYS AFTER FINAL GRADING. WHEN IT IS NOT POSSIBLE TO PERMANENTLY PROTECT A DISTURBED AREA IMMEDIATELY AFTER GRADING OPERATIONS, TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED. ALL TEMPORARY PROTECTION SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED. A CERTIFICATE OF COMPLIANCE WILL NOT BE ISSUED UNTIL THE ABOVE REQUIREMENTS HAVE BEEN MET.
7. EROSION CONTROL PLANS TO BE SUBMITTED TO THE CITY OF APOPKA.

48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/27/23

STORM WATER POLLUTION PREVENTION PLAN

MARSHALL LAKE PROPERTIES, LLC.
780 MARSHALL LAKE ROAD
APOPKA, FLORIDA 32703

ENGINEER OF RECORD

KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 16043
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (877) 468-3412

PROJECT NAME

MARSHALL LAKE
BUSINESS CENTER

DWG
SHEETS 1-25

DATE
APRIL 09, 2023

SCALE
AS SHOWN

SHEET
7

STORM WATER POLLUTION PREVENTION PLAN

SCALE: 1" = 30'

PROJECT UPDATE: 02/12/24

EROSION CONTROL NOTES:

1. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO STANDARDS OF THE CITY OF APOPKA AND THE ST. JOHN'S RIVER WATER MANAGEMENT DISTRICT.
2. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN CONSTRUCTION. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.
3. SUCH MATERIALS FROM WORK ON THIS PROJECT SHALL BE CONTAINED, AND NOT ALLOWED TO COLLECT ON ANY OFF-PERIMETER AREAS OR IN WATERWAYS. THESE INCLUDE BOTH NATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND PONDS.
4. DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE EFFECTIVENESS OF THE EFFORTS. ANY NECESSARY REMEDIES SHALL BE PERFORMED WITHOUT DELAY.
5. ALL MUD, DIRT OR OTHER MATERIALS TRACKED OR SPILLED ONTO EXISTING STATE-COUNTY-CITY OR PRIVATE ROADS AND FACILITIES FROM THIS SITE, DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR/BUILDER.
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7. EROSION CONTROL PLANS TO BE SUBMITTED TO THE CITY OF APOPKA.

TREE PROTECTION

EXISTING TREES SHALL BE MAINTAINED TO THE GREATEST EXTENT POSSIBLE AND PROTECTED DURING CONSTRUCTION PER THE CITY'S DEVELOPMENT DESIGN GUIDELINES SECTION 4.5.

LEGEND

SILT FENCE —□—

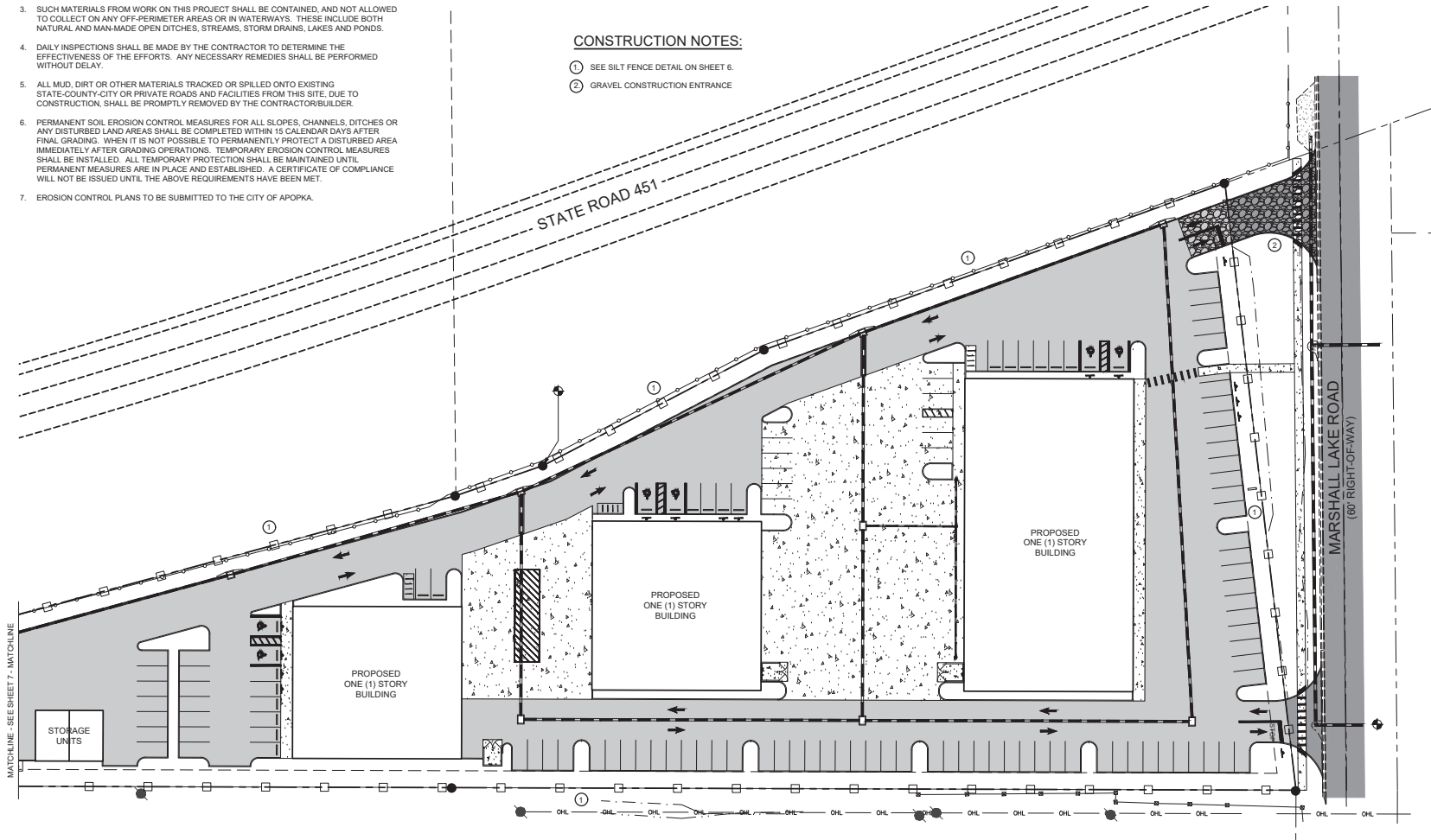
GRAPHIC SCALE

0' 15' 30' 60' 90'
1" = 30'



CONSTRUCTION NOTES:

- ① SEE SILT FENCE DETAIL ON SHEET 6.
- ② GRAVEL CONSTRUCTION ENTRANCE



STORM WATER POLLUTION PREVENTION PLAN

PROJECT UPDATE: 02/12/24

SCALE: 1" = 30'

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/27/23

STORM WATER POLLUTION PREVENTION PLAN

MARSHALL LAKE PROPERTIES, LLC.
780 MARSHALL LAKE ROAD
APOPKA, FLORIDA 32703

ENGINEER OF RECORD

KEN EHLERS, P.E.

FLORIDA P.E. LICENSE NO. 18243
PROFESSIONAL ENGINEERING SERVICES
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MOUNT DORA, FL 32757
CELL PHONE: (887) 468-3412

PROJECT NAME

MARSHALL LAKE

BUSINESS CENTER

DWG SHEETS 1-25

DATE

APRIL 09, 2023

SCALE

AS SHOWN

SHEET

8

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SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

SITE DATA TABLE

BUILDING "A" INFORMATION:

TOTAL SQUARE FOOTAGE = 18,500 SF
MAX. BUILDING HEIGHT = 45 FT
ACTUAL BUILDING HEIGHT = 36 FT

BUILDING "C" INFORMATION:

TOTAL SQUARE FOOTAGE = 9,000 SF
MAX. BUILDING HEIGHT = 45 FT
ACTUAL BUILDING HEIGHT = 36 FT

FLOOR AREA RATIO ALLOWED:

= 0.60

FLOOR AREA RATIO PROVIDED:

= 0.16

BUILDING SETBACK:

FRONT = 10' (FACING MARSHALL LAKE ROAD)
N SIDE = 10'
S SIDE = 10'
REAR = 10'

LANDSCAPE BUFFER:

FRONT = 10' (FACING MARSHALL LAKE ROAD)
N SIDE = 10'
S SIDE = 10'
REAR = 10'

FUTURE STORAGE UNIT INFORMATION:

TOTAL SQUARE FOOTAGE = 3,075 SF
MAX. BUILDING HEIGHT = 45 FT
ACTUAL BUILDING HEIGHT = 36 FT

PROPOSED CONDITIONS:

IMPERVIOUS (BUILDINGS) = 43,900 SF = 1.008 AC (15.68%)
IMPERVIOUS (STORAGE) = 3,075 SF = 0.071 AC (01.10%)
IMPERVIOUS (DRIVEWAYS) = 174,462 SF = 4.005 AC (62.34%)
PERVIOUS = 58,431 SF = 1.341 AC (20.88%)
TOTAL = 279,868 SF = 6.425 AC (100.00%)

CONSTRUCTION PHASING:

SINGLE PHASE

PARKING REQUIREMENTS:

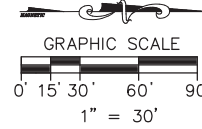
2 SPACES PER 1,000 SF OF WAREHOUSE AREA
1 SPACE PER 250 SF OFFICE AREA
2 SPACES X (33,000 SF/1,000 SF) = 66 SPACES
2 SPACES X (9,475 SF/1,000 SF) = 19 SPACES
1 SPACE X (4,500 SF/250 SF) = 18 SPACES
TOTAL SPACES REQUIRED = 103

PARKING PROVIDED:

131 SPACES @ 9'x18' (REGULAR)
6 SPACES @ 12'x18' (HANDICAP)
137 SPACES TOTAL PROVIDED

PARCEL ID NUMBER:

08-21-28-0000-00-010



CONSTRUCTION NOTES:

- CONSTRUCT ONE (1) STORY BUILDING. SEE ARCHITECTURAL PLANS FOR DOOR AND WINDOW LOCATIONS PLUS DIMENSIONS.
- STRIP THE PROPOSED REGULAR PARKING SPACES PER THE MANUAL ENTITLED "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD).
- STRIP AND SIGN THE PROPOSED HANDICAPPED PARKING SPACES PER THE DOCUMENTS ENTITLED "AMERICANS WITH DISABILITIES ACT" (A.D.A. & THE MUTCD).
- INSTALL FTP-28 STANDARD HANDICAPPED PARKING SIGNS PER FOOT STANDARD INDEX (LATEST EDITION). PROVIDE A SIGN THAT SAYS SPACE IS "VAN ACCESSIBLE" PER LDC SEC. 5.1.5.
- CONSTRUCT 1 1/2" ASPHALTIC CONCRETE SURFACE (TYPE S-III), 6" LIMEROCK AND 12" STABILIZED SUBBASE.
- RIGHT-OF-WAY: CONSTRUCT 1 1/2" ASPHALTIC CONCRETE SURFACE (TYPE S-III), 6" LIMEROCK AND 12" STABILIZED SUBBASE.
- INSTALL DOWNSPOUT (SEE PLAN SHEET 17).
- ALL GREEN AREAS TO BE SOODED AND/OR LANDSCAPED.
- MATCH EDGE OF EXISTING PAVEMENT WITH SAW CUT.
- CONSTRUCT 12.50 LF OF 24" STOP BAR AND STOP SIGN.
- CONSTRUCT 13.00 LF OF 24" STOP BAR AND STOP SIGN.
- CONSTRUCT 5' WIDE CONCRETE SIDEWALK AT 2.00% MAXIMUM GRADE. (SEE PLAN SHEET 16) (DRAIN AWAY FROM BUILDING).
- RIGHT-OF-WAY: CONSTRUCT 5' WIDE CONCRETE SIDEWALK AT 2.00% MAXIMUM GRADE. (SEE PLAN SHEET 16) (DRAIN AWAY FROM PRIVATE PROPERTY INTO RIGHT-OF-WAY).
- SIDEWALK ELEVATION FLUSH WITH PAVEMENT.
- CONSTRUCT STANDARD FOOT TYPE "D" CURB PER THE FOOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX 300, LATEST EDITION.
- ALL CURB RADI ARE 4'-6" AS MEASURED FROM THE INSIDE FACE OF CURB UNLESS OTHERWISE NOTED.
- EXISTING DRAINAGE STRUCTURE. CONTRACTOR TO CONVERT TO VALLEY CURB INLET.
- 3" CONCRETE CURB TAPER.
- REPLACE EXISTING SOD EQUAL TO OR BETTER THAN ORIGINAL CONDITION.
- CONTRACTOR TO ENSURE POSITIVE FLOW TO DRAINAGE INLETS.
- CONCRETE BIKE RACK PAD ELEVATION FLUSH WITH ASPHALT AND CONCRETE SURFACES.
- CONSTRUCT 6' X 15' CONCRETE BIKE RACK PAD WITH FOUR (4) BIKE RACKS (DRAIN AWAY FROM BUILDING).
- DUMPSTER ENCLOSURE (SEE PLAN SHEET 15). 10'-0" X 10'-0" X 6" THICK CONCRETE PAD (SEE PLAN SHEET 17).
- CONSTRUCT DRAINAGE CONTROL STRUCTURE (SEE PLAN SHEET 17).
- CONTRACTOR TO INSTALL STOP SIGN.
- TWO (2) ELECTRIC CAR PARKING ONLY SIGNS.
- THREE (3) ELECTRIC CAR PARKING ONLY SIGNS.
- ONE (1) ELECTRIC CAR CHARGING STATION WITH 2 CHARGING HEADS.
- MONUMENT SIGN: 10'-0" X 5'-0" (SEE PLAN SHEET 16).
- CONSTRUCT FLUSH CURB (SEE PLAN SHEET 17).
- CONSTRUCT 4'-3" RADIUS MEASURED FROM INSIDE FACE OF CURB.
- CONSTRUCT 4'-0" RADIUS MEASURED FROM INSIDE FACE OF CURB.
- CONSTRUCT 2'-6" RADIUS MEASURED FROM INSIDE FACE OF CURB.
- CONTRACTOR TO ENSURE POSITIVE FLOW TO DRAINAGE POND.
- DRAINAGE VALLEY
- CONSTRUCT 30' RADIUS.
- CONSTRUCT 50' RADIUS.
- INSTALL DETECTABLE WARNINGS AND CROSSWALK WITH NO CURB RAMPS.
- CONSTRUCT 2'X2'X24" TRENCH DRAIN WITH 1/2" STUDS WELDED AND CAST IRON GRATE.
- LOADING ZONE: 15' WIDE X 55' LONG

DRAINAGE PIPE TABLE

SEE SHEET 10 (SITE PLAN) FOR PIPE INFORMATION

DRAINAGE STRUCTURE TABLE

SEE SHEET 10 (SITE PLAN) FOR STRUCTURE INFORMATION

2 SPACES X (33,000 SF/1,000 SF) = 66 SPACES
2 SPACES X (9,475 SF/1,000 SF) = 19 SPACES
1 SPACE X (4,500 SF/250 SF) = 18 SPACES

PARKING CALCULATIONS:

2 SPACES PER 1,000 SF OF WAREHOUSE AREA
1 SPACE PER 250 SF OF OFFICE AREA

BUILDING "A"

2 SPACES X (8,500 SF/1,000 SF) = 17 SPACES
1 SPACE X (1,500 SF/250 SF) = 6 SPACES

BUILDING "B"

2 SPACES X (16,500 SF/1,000 SF) = 33 SPACES
1 SPACE X (2,000 SF/250 SF) = 8 SPACES

BUILDING "C"

2 SPACES X (8,000 SF/1,000 SF) = 16 SPACES
1 SPACE X (1,000 SF/250 SF) = 4 SPACES

BUILDING "D"

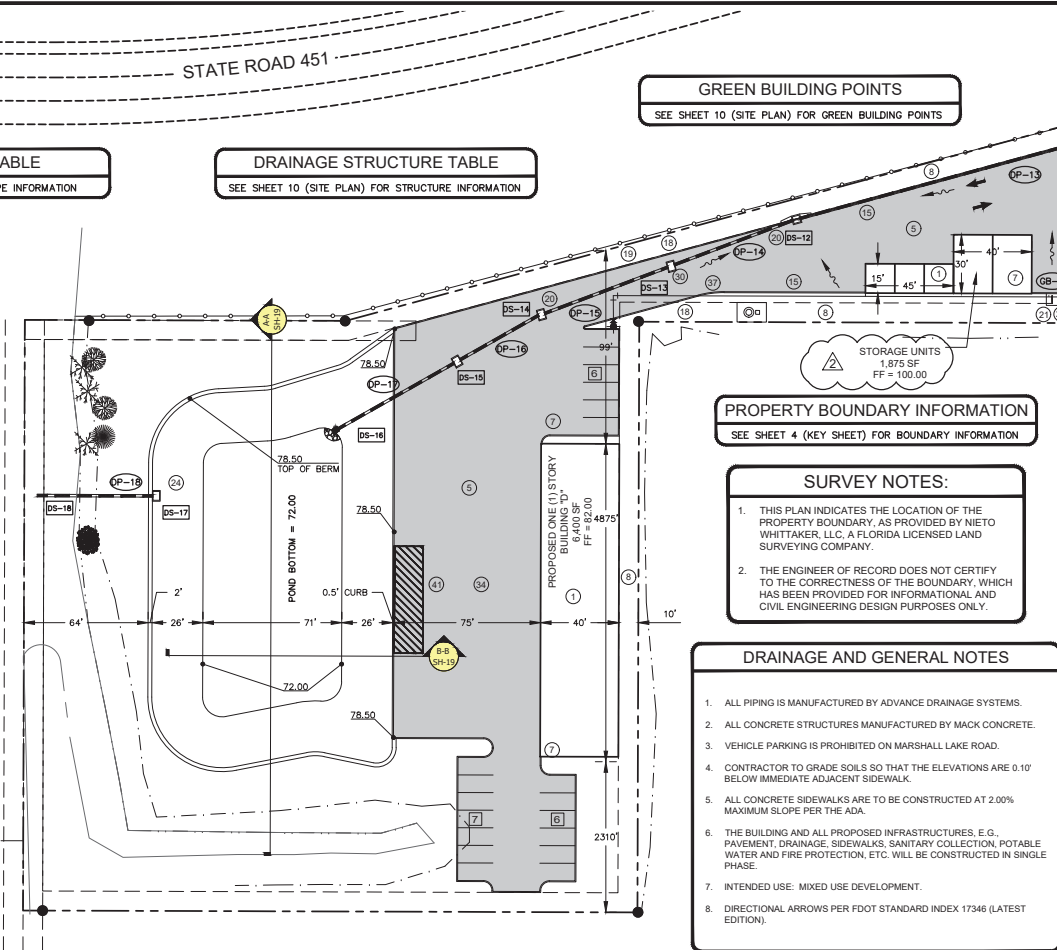
2 SPACES X (9,475 SF/1,000 SF) = 19 SPACES

RESIDENT MANAGER

2 SPACES

REGULAR SPACES REQUIRED = 103 SPACES
MANAGER SPACES REQUIRED = 2 SPACES
HANDICAP SPACES REQUIRED = 6 SPACES
TOTAL SPACES REQUIRED = 111 SPACES

TOTAL SPACES PROVIDED = 137 SPACES



PROPERTY BOUNDARY INFORMATION

SEE SHEET 4 (KEY SHEET) FOR BOUNDARY INFORMATION

SURVEY NOTES:

- THIS PLAN INDICATES THE LOCATION OF THE PROPERTY BOUNDARY, AS PROVIDED BY NIETO WHITTAKER, LLC, A FLORIDA LICENSED LAND SURVEYING COMPANY.
- THE ENGINEER OF RECORD DOES NOT CERTIFY TO THE CORRECTNESS OF THE BOUNDARY, WHICH HAS BEEN PROVIDED FOR INFORMATIONAL AND CIVIL ENGINEERING DESIGN PURPOSES ONLY.

DRAINAGE AND GENERAL NOTES

- ALL PIPING IS MANUFACTURED BY ADVANCE DRAINAGE SYSTEMS.
- ALL CONCRETE STRUCTURES MANUFACTURED BY MACK CONCRETE.
- VEHICLE PARKING IS PROHIBITED ON MARSHALL LAKE ROAD.
- CONTRACTOR TO GRADE SOILS SO THAT THE ELEVATIONS ARE 0.10' BELOW IMMEDIATE ADJACENT SIDEWALK.
- ALL CONCRETE SIDEWALKS ARE TO BE CONSTRUCTED AT 2.00% MAXIMUM SLOPE PER THE ADA.
- THE BUILDING AND ALL PROPOSED INFRASTRUCTURES, E.G., PAVEMENT, DRAINAGE, SIDEWALKS, SANITARY COLLECTION, POTABLE WATER AND FIRE PROTECTION, ETC. WILL BE CONSTRUCTED IN SINGLE PHASE.
- INTENDED USE: MIXED USE DEVELOPMENT.
- DIRECTIONAL ARROWS PER FDOT STANDARD INDEX 17346 (LATEST EDITION).

48 HOURS BEFORE DIGGING
CALL TOL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

SITE DEVELOPMENT PLAN

SCALE: 1" = 30'

PROJECT UPDATE: 02/12/24

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/27/23
2	COA DRC	02/12/24

SITE DEVELOPMENT PLAN
MARSHALL LAKE PROPERTIES, LLC.
780 MARSHALL LAKE ROAD
APOKA, FLORIDA 32703

ENGINEER OF RECORD

KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 16043
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (877) 468-3412

PROJECT NAME

**MARSHALL LAKE
BUSINESS CENTER**

DWG SHEETS 1-25

DATE

APRIL 05, 2023

SCALE

AS SHOWN

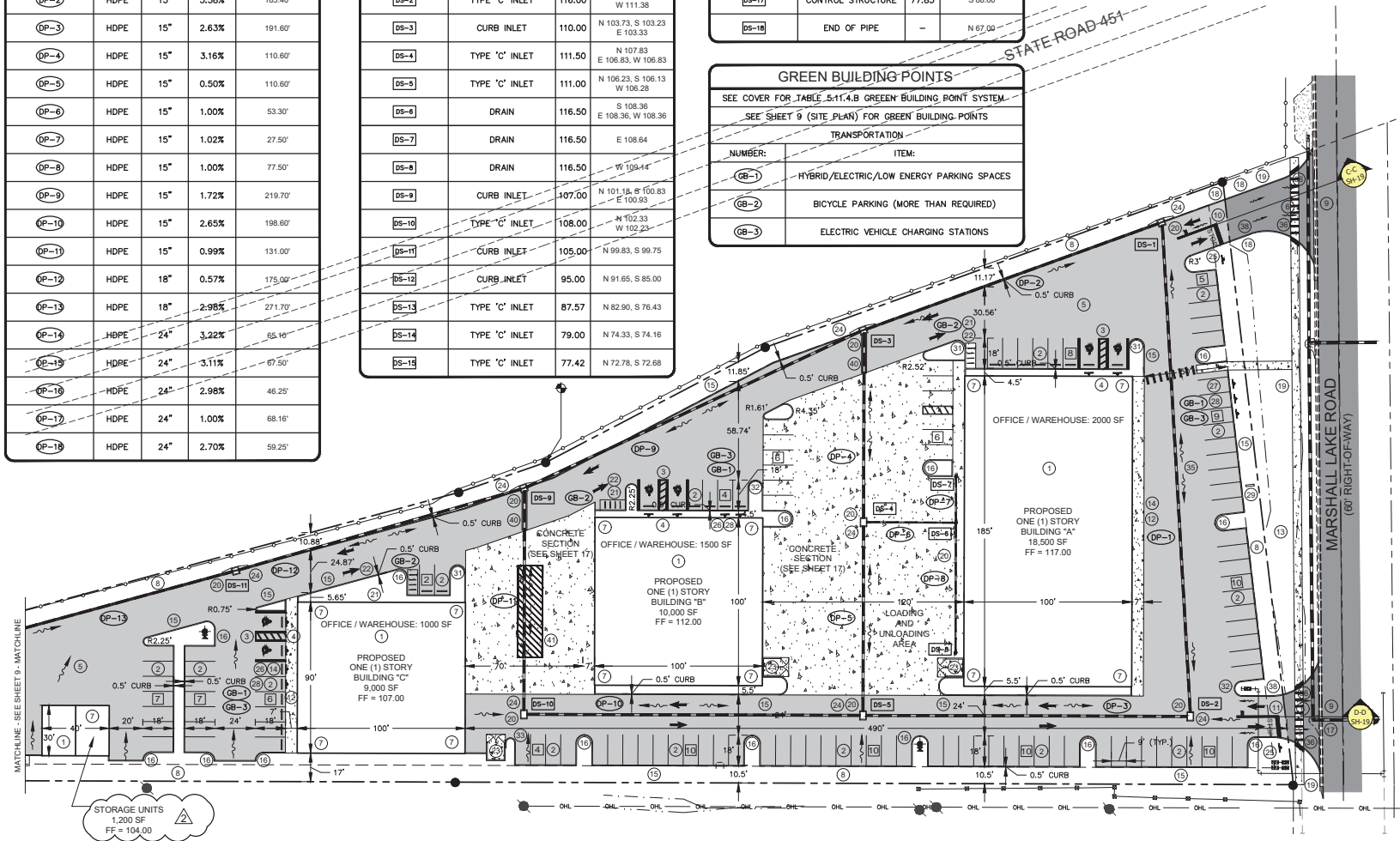
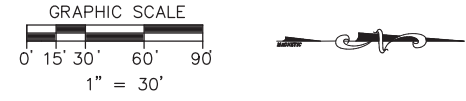
9

DRAINAGE PIPE TABLE				
NUMBER:	TYPE:	SIZE (ADS)	GRADE:	LENGTH:
DP-1	HDPE	15"	0.44%	291.00'
DP-2	HDPE	15"	3.38%	185.40'
DP-3	HDPE	15"	2.63%	191.60'
DP-4	HDPE	15"	3.16%	110.60'
DP-5	HDPE	15"	0.50%	110.60'
DP-6	HDPE	15"	1.00%	53.30'
DP-7	HDPE	15"	1.02%	27.50'
DP-8	HDPE	15"	1.00%	77.50'
DP-9	HDPE	15"	1.72%	219.70'
DP-10	HDPE	15"	2.65%	198.60'
DP-11	HDPE	15"	0.99%	131.00'
DP-12	HDPE	18"	0.57%	175.00'
DP-13	HDPE	18"	2.98%	271.70'
DP-14	HDPE	24"	3.22%	85.16'
DP-15	HDPE	24"	3.11%	67.50'
DP-16	HDPE	24"	2.98%	46.25'
DP-17	HDPE	24"	1.00%	68.16'
DP-18	HDPE	24"	2.70%	59.25'

DRAINAGE STRUCTURE TABLE			
NUMBER:	TYPE OF STRUCTURE:	RIM:	INVERTS:
DS-1	CURB INLET	114.50	S 110.00 E 110.10
DS-2	TYPE 'C' INLET	116.00	S 111.28 W 111.38
DS-3	CURB INLET	110.00	N 103.73, S 103.23 E 103.33
DS-4	TYPE 'C' INLET	111.50	N 107.83 E 106.83, W 106.83
DS-5	TYPE 'C' INLET	111.00	N 106.23, S 106.13 W 106.28
DS-6	DRAIN	116.50	S 108.36 E 108.36, W 108.36
DS-7	DRAIN	116.50	E 108.64
DS-8	DRAIN	116.50	W 109.44
DS-9	CURB INLET	107.00	N 101.18, S 100.83 E 100.93
DS-10	TYPE 'C' INLET	108.00	N 102.33 W 102.23
DS-11	CURB INLET	105.00	N 99.83, S 99.75
DS-12	CURB INLET	95.00	N 91.65, S 85.00
DS-13	TYPE 'C' INLET	87.57	N 82.90, S 76.43
DS-14	TYPE 'C' INLET	79.00	N 74.33, S 74.16
DS-15	TYPE 'C' INLET	77.42	N 72.78, S 72.68

DRAINAGE STRUCTURE TABLE CONT.			
NUMBER:	TYPE OF STRUCTURE:	RIM:	INVERTS:
DS-16	MITERED END SECTION	-	N72.00
DS-17	CONTROL STRUCTURE	77.85	S 68.60
DS-18	END OF PIPE	-	N 67.00

GREEN BUILDING POINTS	
SEE COVER FOR TABLE 5.11.4.8 GREEN BUILDING POINT SYSTEM	
SEE SHEET 9 (SITE PLAN) FOR GREEN BUILDING POINTS	
NUMBER:	ITEM:
GB-1	HYBRID/ELECTRIC/LOW ENERGY PARKING SPACES
GB-2	BICYCLE PARKING (MORE THAN REQUIRED)
GB-3	ELECTRIC VEHICLE CHARGING STATIONS



PROPERTY BOUNDARY INFORMATION
SEE SHEET 4 (KEY SHEET) FOR BOUNDARY INFORMATION

DRAINAGE AND GENERAL NOTES
SEE SHEET 9 (SITE PLAN) FOR DRAINAGE AND GENERAL NOTES

SITE DATA TABLE
SEE SHEET 9 (SITE PLAN) FOR SITE DATA INFORMATION

CONSTRUCTION NOTES
SEE SHEET 9 (SITE PLAN) FOR CONSTRUCTION NOTES

PARKING CALCULATIONS
SEE SHEET 9 (SITE PLAN) FOR PARKING CALCULATIONS

SURVEY NOTES:

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- THE ENGINEER OF RECORD DOES NOT CERTIFY TO THE CORRECTNESS OF THE BOUNDARY, WHICH HAS BEEN PROVIDED FOR INFORMATIONAL AND CIVIL ENGINEERING DESIGN PURPOSES ONLY.

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SITE DEVELOPMENT PLAN
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APOKA, FLORIDA 32703

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/27/23
	COA DRC	02/12/24

ENGINEER OF RECORD
KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 18243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (877) 468-3412

PROJECT NAME
MARSHALL LAKE
BUSINESS CENTER

DWG SHEETS 1-25	SHEET
DATE APRIL 09, 2023	10
SCALE AS SHOWN	

FIRE PROTECTION NOTES

- ALL ROADWAYS, WATER LINE INFRASTRUCTURE AND FIRE HYDRANTS SHALL BE IN PLACE BEFORE BUILDING CONSTRUCTION MAY BEGIN.
- FIRE HYDRANTS MUST BE LOCATED WITHIN 250 FEET OF ALL BUILDINGS.
- FOLLOW CURRENT NFPA AND FLORIDA FIRE PREVENTION CODE 7TH EDITION CONCERNING FIRE AND LIFE SAFETY.
- ALL BUILDINGS OVER 7,500 SF WILL BE REQUIRED TO HAVE AUTOMATIC FIRE SPRINKLER SYSTEM.
- BUILDINGS MUST BE MONITORED BY AN AUTOMATIC FIRE ALARM SYSTEM IF REQUIRED TO HAVE SPRINKLERS.
- FIRE DEPARTMENT WILL REQUIRE A REMOTE FDC FOR THE FIRE SPRINKLER SYSTEM LOCATED WITHIN 25 FEET OF A HYDRANT.
- PROVIDE A FIRE LANE AT THE FDC LOCATION AND HYDRANTS.
- KNOX BOXES WILL NEED TO BE PROVIDED FOR EACH BUILDING.
- IF GATED MUST HAVE YELP SIREN ACTIVATION AND KEY CODE 1882 FOR EMERGENCY ACCESS AND KNOX KEY SWITCH.
- IF RACKS ARE INSTALLED, ANY STORAGE OVER 10 FT WILL REQUIRE A ESFR SPRINKLER SYSTEM OR HEADS WILL NEED TO BE INSTALLED IN THE RACKS.

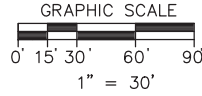
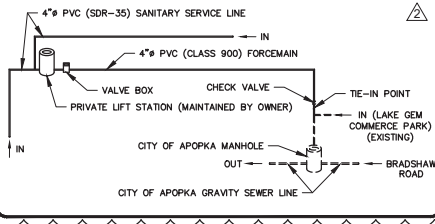
WATER USAGE CALCULATIONS

NOTES:

- SEE SHEET 12 (UTILITY PLAN) FOR WATER USAGE INFORMATION
- SEWER IS THE SAME AS WATER

ITEM:	NUMBER OF FUS:
W-1	
W-2 W-3	
W-4 W-5	
W-6 W-7 W-8 W-9 W-10 W-11 W-12	20
20 FUS + (20 FUS X 2) + (6 FUS X 2) + (4 FUS X 7) = 100 FUS	
100 FUS X 25 GALLONS = 2,500 GALLONS PER DAY	

SANITARY SEWER SYSTEM UTILITY SCHEMATIC

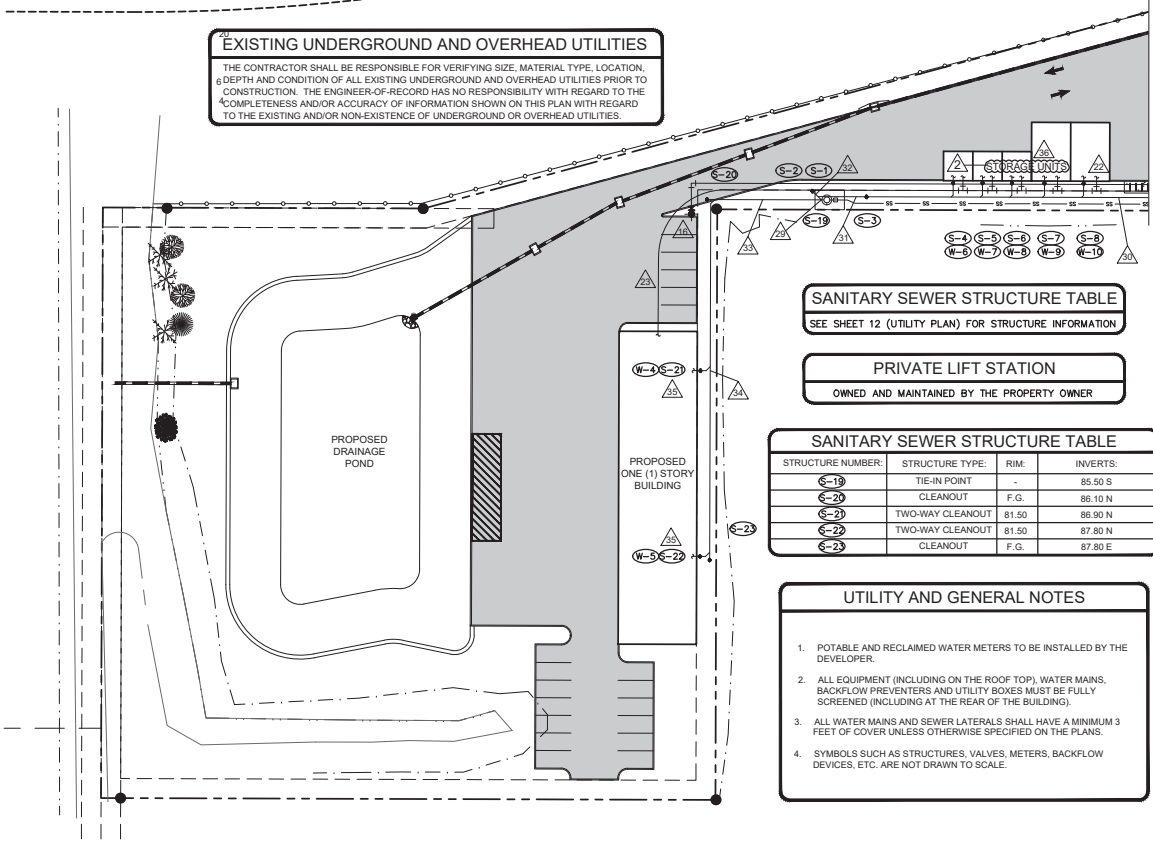


UTILITY NOTES:

- EXISTING 8" PVC (C900) DOMESTIC WATER MAIN (TO REMAIN).
- EXISTING 3" PVC (C900) RE-USE MAIN (TO REMAIN).
- EXISTING PUBLIC ROAD (TO REMAIN).
- 8"X8" TAPPING SLEEVE AND VALVE
- FIRE LINE POINT OF CONNECTION.
- 46 LF OF 6" Ø PVC (C-900) FIRE LINE WITH 6"X3"X6" TEE
- 8" METER AND VALVE, 977 LF OF 6" Ø PVC (C-900) FIRE LINE WITH 6"X8" ELBOW, FOUR (4) 6"X8"X6" TEES AND A 6" DOUBLE CHECK BACK FLOW PREVENTER.
- 46 LF OF 6" Ø PVC (C-900) FIRE LINE WITH 6"X4"X6" TEE AND FIRE WATER RISER.
- 9 LF OF 4" Ø PVC (C-900) FIRE LINE WITH FDC CONNECTION.
- 9 LF OF 6" Ø PVC (C-900) FIRE LINE WITH FIRE HYDRANT ASSEMBLY.
- 46 LF OF 6" Ø PVC (C-900) FIRE LINE WITH 6"X4"X6" TEE AND FIRE WATER RISER.
- 9 LF OF 4" Ø PVC (C-900) FIRE LINE WITH FDC CONNECTION ASSEMBLY.
- 16 LF OF 6" Ø PVC (C-900) FIRE LINE WITH 6"X6"X4" TEE AND FIRE WATER RISER.
- 108 LF OF 4" Ø PVC (C-900) FIRE LINE WITH 4"X4" ELBOW AND FDC CONNECTION ASSEMBLY.
- 75 LF OF 6" Ø PVC (C-900) FIRE LINE WITH FIRE HYDRANT ASSEMBLY.
- 15 LF OF 6" Ø PVC (C-900) FIRE LINE WITH FIRE HYDRANT ASSEMBLY.
- WATER SERVICE LINE POINT OF CONNECTION.
- 5 LF OF 3" Ø PVC (C-900) WATER LINE WITH 3"X3" ELBOW.
- 838 LF OF 3" Ø PVC (C-900) WATER LINE WITH 3" DOUBLE CHECK BACK FLOW PREVENTER, 3"X1 1/2"X1 1/2" TEE AND NINE (9) 3"X1 1/2"X3" TEES.
- 50 LF OF 1" Ø PVC (C-900) WATER SERVICE LINE WITH 3"X1 1/2"X3" TEE.
- 9 LF OF 1" Ø PVC (C-900) WATER SERVICE LINE WITH 3"X1 1/2"X3" TEE.
- 7 LF OF 1" Ø PVC (C-900) WATER SERVICE LINE WITH 3"X1 1/2"X3" TEE.
- 198 LF OF 1" Ø PVC (C-900) WATER SERVICE LINE WITH 3"X1 1/2"X3" TEE.
- FORCEMAIN POINT OF CONNECTION - APPROXIMATELY 1444' TO CITY OF APOPKA EXISTING 4" FORCE MAIN AND CHECK VALVE LOCATED AT INTERSECTION OF GEM COMMERCE COURT AND MARSHALL LAKE ROAD.
- PRIVATE LIFT STATION (SEE SHEET 18 - LIFT STATION DETAILS) WITH 6' TALL CHAIN LINK FENCE WITH 6' GATE.
- 1,026 LF OF 3" Ø PVC (CLASS 900) FORCEMAIN (PRIVATE PROPERTY).
- 418 LF OF 4" Ø PVC (CLASS 900) FORCEMAIN (RIGHT-OF-WAY).
- JACK AND BORE FOR 40" PVC FORCEMAIN.
- SANITARY SERVICE LINE POINT OF CONNECTION.
- 200 LF OF 4" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
- 25 LF OF 4" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
- 6.5 LF OF 4" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
- 60 LF OF 4" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
- 168 LF OF 4" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
- 10 LF OF 4" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
- 12 LF OF 4" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
- 54 LF OF 4" Ø PVC (SDR-35) SANITARY SERVICE LINE @ 1.00%.
- IRRIGATION SERVICE LINE POINT OF CONNECTION.
- 85 LF OF 3" Ø PVC (C-900) RE-USE LINE WITH 3"X1 1/2"X3" TEE.
- 85 LF OF 1 1/2" Ø PVC (C-900) RE-USE SERVICE LINE WITH VALVE.
- JACK AND BORE FOR 3" Ø PVC IRRIGATION SERVICE LINE.

EXISTING UNDERGROUND AND OVERHEAD UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING SIZE, MATERIAL TYPE, LOCATION, DEPTH AND CONDITION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO CONSTRUCTION. THE ENGINEER-OF-RECORD HAS NO RESPONSIBILITY WITH REGARD TO THE "COMPLETENESS AND/OR ACCURACY OF INFORMATION SHOWN ON THIS PLAN WITH REGARD TO THE EXISTING AND/OR NON-EXISTENCE OF UNDERGROUND OR OVERHEAD UTILITIES."



SANITARY SEWER STRUCTURE TABLE

SEE SHEET 12 (UTILITY PLAN) FOR STRUCTURE INFORMATION

PRIVATE LIFT STATION

OWNED AND MAINTAINED BY THE PROPERTY OWNER

SANITARY SEWER STRUCTURE TABLE

STRUCTURE NUMBER:	STRUCTURE TYPE:	RIM:	INVERTS:
S-19	TIE-IN POINT	-	85.50 S
S-20	CLEANOUT	F.G.	86.10 N
S-21	TWO-WAY CLEANOUT	81.50	86.90 N
S-22	TWO-WAY CLEANOUT	81.50	87.80 N
S-23	CLEANOUT	F.G.	87.80 E

UTILITY AND GENERAL NOTES

- POTABLE AND RECLAIMED WATER METERS TO BE INSTALLED BY THE DEVELOPER.
- ALL EQUIPMENT (INCLUDING ON THE ROOF TOP, WATER MAINS, BACKFLOW PREVENTERS AND UTILITY BOXES MUST BE FULLY SCREENED (INCLUDING AT THE REAR OF THE BUILDING).
- ALL WATER MAINS AND SEWER LATERALS SHALL HAVE A MINIMUM 3 FEET OF COVER UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- SYMBOLS SUCH AS STRUCTURES, VALVES, METERS, BACKFLOW DEVICES, ETC. ARE NOT DRAWN TO SCALE.

48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

UTILITY PLAN

SCALE: 1" = 30'

PROJECT UPDATE: 02/12/24

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/27/23
2	COA DRC	02/12/24

UTILITY PLAN

MARSHALL LAKE PROPERTIES, LLC.
780 MARSHALL LAKE ROAD
APOPKA, FLORIDA 32703

ENGINEER OF RECORD

KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 16243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (877) 468-3412

PROJECT NAME

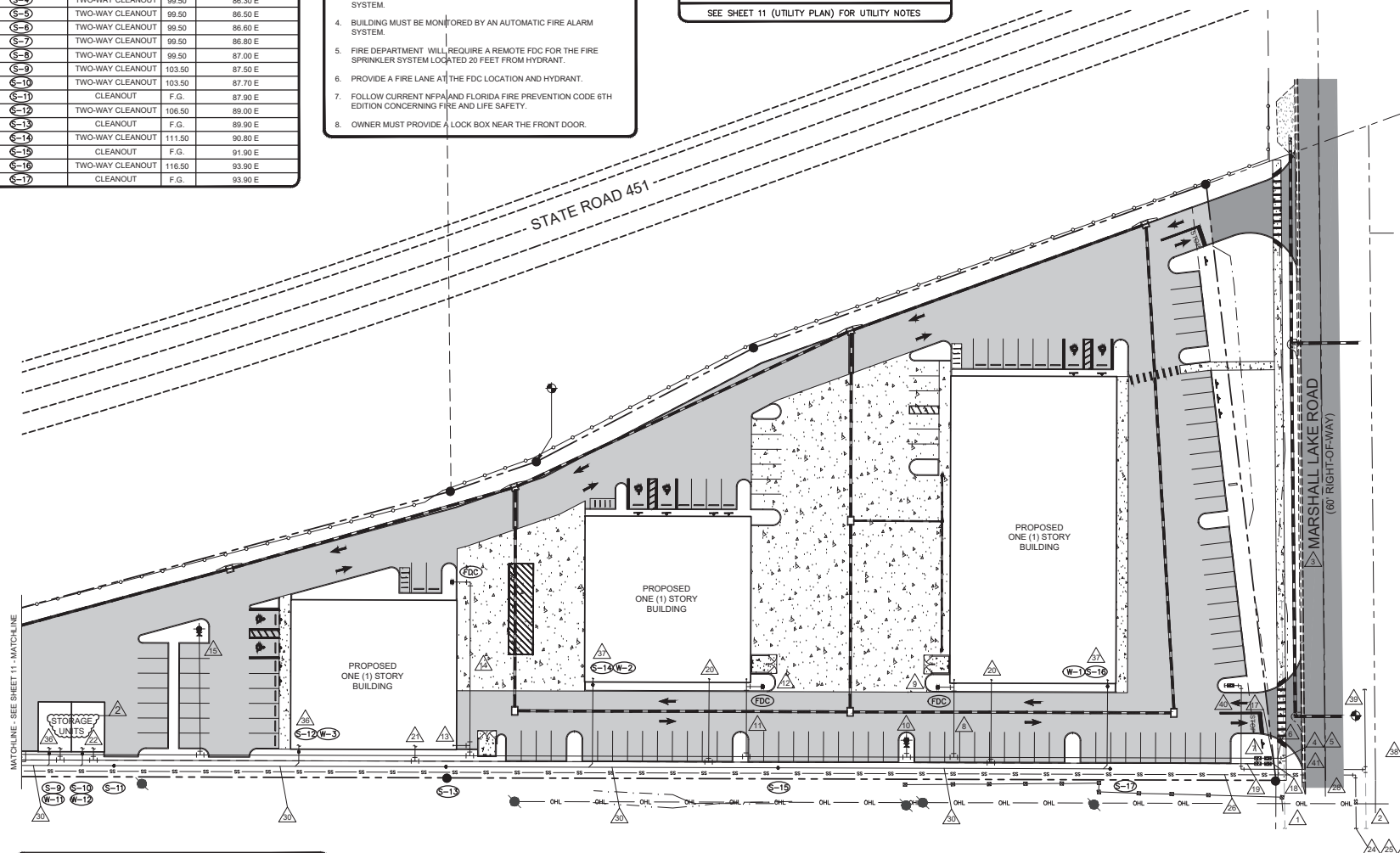
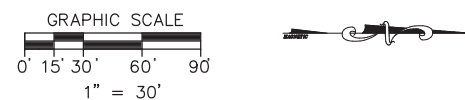
MARSHALL LAKE
BUSINESS CENTER

DWG SHEETS 1-25	SHEET
DATE APRIL 09, 2023	11
SCALE AS SHOWN	

SANITARY SEWER STRUCTURE TABLE			
STRUCTURE NUMBER	STRUCTURE TYPE	RIM	INVERTS
(S-1)	TIE-IN POINT	-	85.50 E
(S-2)	CLEANOUT	F.G.	85.60 E
(S-3)	CLEANOUT	F.G.	85.90 E
(S-4)	TWO-WAY CLEANOUT	99.50	86.30 E
(S-5)	TWO-WAY CLEANOUT	99.50	86.50 E
(S-6)	TWO-WAY CLEANOUT	99.50	86.60 E
(S-7)	TWO-WAY CLEANOUT	99.50	86.80 E
(S-8)	TWO-WAY CLEANOUT	99.50	87.00 E
(S-9)	TWO-WAY CLEANOUT	103.50	87.50 E
(S-10)	TWO-WAY CLEANOUT	103.50	87.70 E
(S-11)	CLEANOUT	F.G.	87.90 E
(S-12)	TWO-WAY CLEANOUT	106.50	89.00 E
(S-13)	CLEANOUT	F.G.	89.90 E
(S-14)	TWO-WAY CLEANOUT	111.50	90.80 E
(S-15)	CLEANOUT	F.G.	91.90 E
(S-16)	TWO-WAY CLEANOUT	116.50	93.90 E
(S-17)	CLEANOUT	F.G.	93.90 E

- ### FIRE PROTECTION NOTES
1. ALL ROADWAYS, WATER LINE INFRASTRUCTURE AND FIRE HYDRANTS SHALL BE IN PLACE BEFORE BUILDING CONSTRUCTION MAY BEGIN.
 2. FIRE HYDRANT MUST BE LOCATED WITHIN 250 FEET OF THE BUILDING.
 3. BUILDING WILL BE REQUIRED TO HAVE AUTOMATIC FIRE SPRINKLER SYSTEM.
 4. BUILDING MUST BE MONITORED BY AN AUTOMATIC FIRE ALARM SYSTEM.
 5. FIRE DEPARTMENT WILL REQUIRE A REMOTE FDC FOR THE FIRE SPRINKLER SYSTEM LOCATED 20 FEET FROM HYDRANT.
 6. PROVIDE A FIRE LANE AT THE FDC LOCATION AND HYDRANT.
 7. FOLLOW CURRENT NFPA AND FLORIDA FIRE PREVENTION CODE 6TH EDITION CONCERNING FIRE AND LIFE SAFETY.
 8. OWNER MUST PROVIDE A LOCK BOX NEAR THE FRONT DOOR.

- ### WATER USAGE CALCULATIONS
- SEE SHEET 11 (UTILITY PLAN) FOR WATER USAGE INFORMATION
- ### UTILITY NOTES
- SEE SHEET 11 (UTILITY PLAN) FOR UTILITY NOTES



- ### UTILITY AND GENERAL NOTES
1. POTABLE AND RECLAIMED WATER METERS TO BE INSTALLED BY THE DEVELOPER.
 2. ALL EQUIPMENT (INCLUDING ON THE ROOF TOP), WATER MAINS, BACKFLOW PREVENTERS AND UTILITY BOXES MUST BE FULLY SCREENED (INCLUDING AT THE REAR OF THE BUILDING).
 3. ALL WATER MAINS AND SEWER LATERALS SHALL HAVE A MINIMUM 3 FEET OF COVER UNLESS OTHERWISE SPECIFIED ON THE PLANS.
 4. SYMBOLS SUCH AS STRUCTURES, VALVES, METERS, BACKFLOW DEVICES, ETC. ARE NOT DRAWN TO SCALE.

- ### EXISTING UNDERGROUND AND OVERHEAD UTILITIES
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING SIZE, MATERIAL TYPE, LOCATION, DEPTH AND CONDITION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO CONSTRUCTION. THE ENGINEER-OF-RECORD HAS NO RESPONSIBILITY WITH REGARD TO THE COMPLETENESS AND/OR ACCURACY OF INFORMATION SHOWN ON THIS PLAN WITH REGARD TO THE EXISTING AND/OR NON-EXISTENCE OF UNDERGROUND OR OVERHEAD UTILITIES.

48 HOURS BEFORE DIGGING
CALL TOL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

UTILITY PLAN

SCALE: 1" = 30'

PROJECT UPDATE: 02/12/24

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/27/23
2	COA DRC	02/12/24

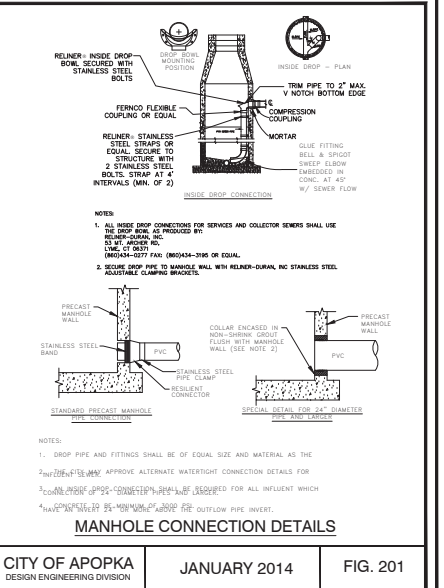
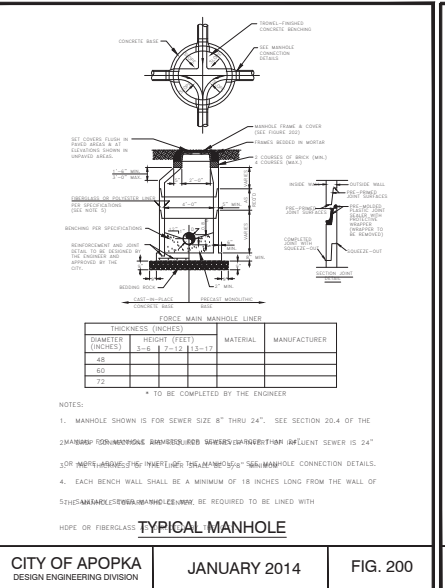
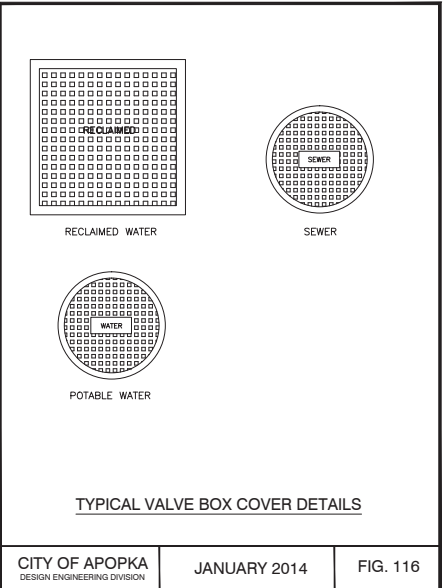
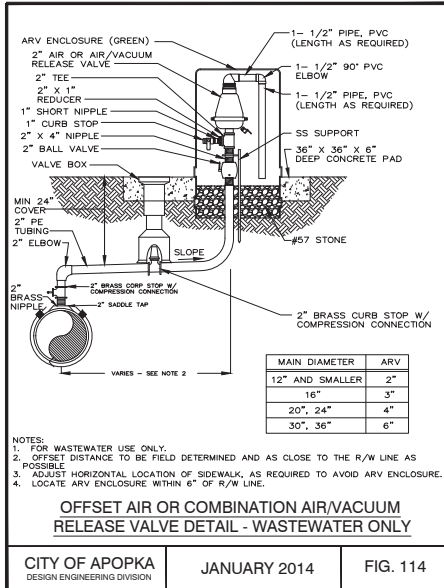
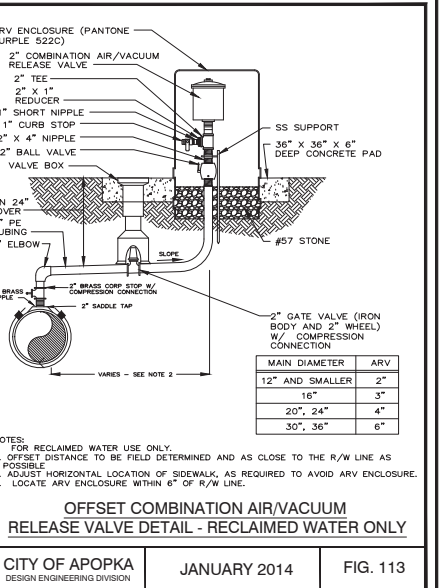
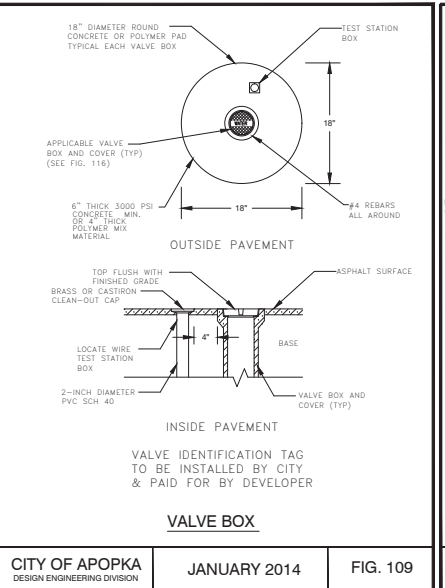
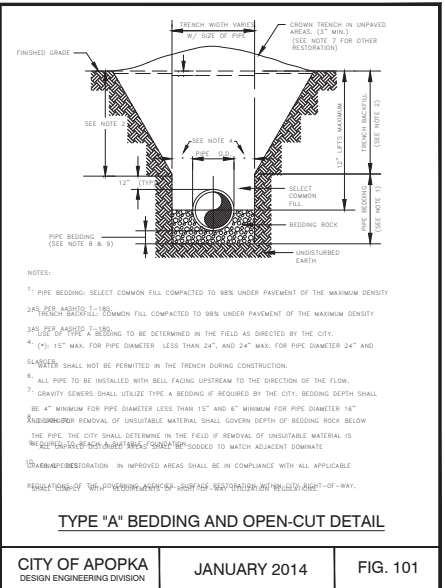
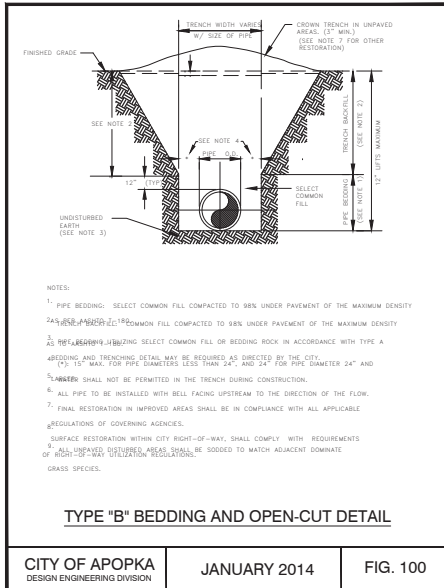
UTILITY PLAN

MARSHALL LAKE PROPERTIES, LLC.
780 MARSHALL LAKE ROAD
APOPKA, FLORIDA 32703

ENGINEER OF RECORD
KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 18243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (887) 468-3412

PROJECT NAME
**MARSHALL LAKE
BUSINESS CENTER**

DWG SHEETS 1-25	SHEET
DATE APRIL 05, 2023	12
SCALE AS SHOWN	



NO.	REVISION/ISSUE	DATE

CITY OF APOPKA DETAILS

MARSHALL LAKE PROPERTIES, LLC.
780 MARSHALL LAKE ROAD
APOPKA, FLORIDA 32703

ENGINEER OF RECORD

KEN EHLERS, P.E.

FLORIDA P.E. LICENSE NO. 18043
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (887) 468-3412

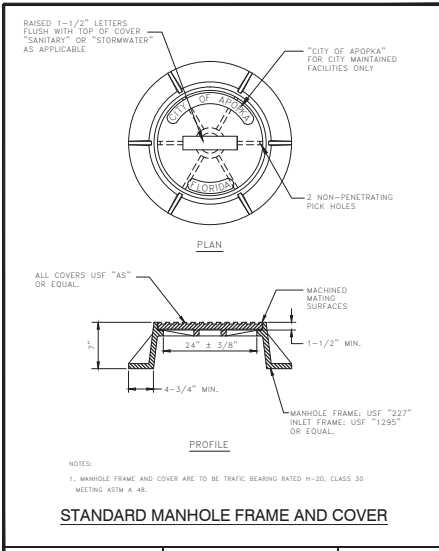
PROJECT NAME

MARSHALL LAKE

BUSINESS CENTER

DWG SHEETS 1-25	SHEET
DATE APRIL 05, 2023	13
SCALE AS SHOWN	

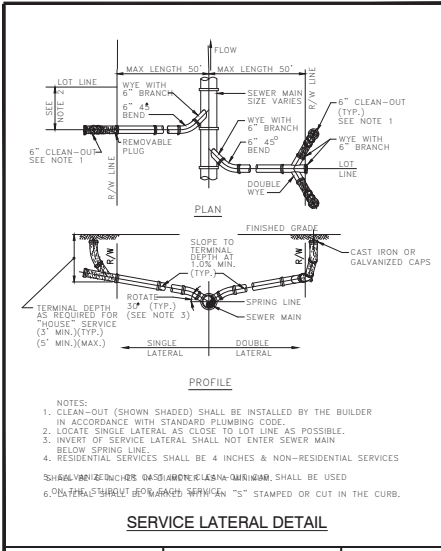
PROJECT UPDATE: 02/12/24



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

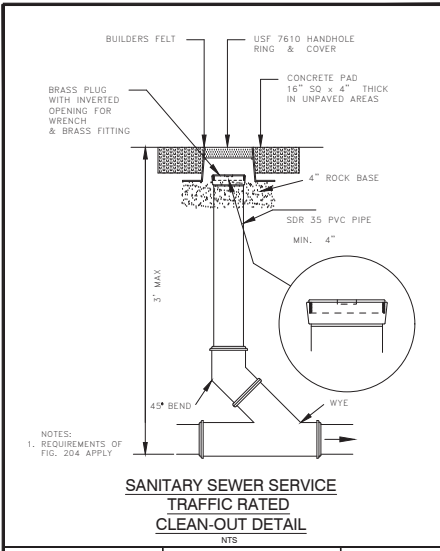
FIG. 202



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

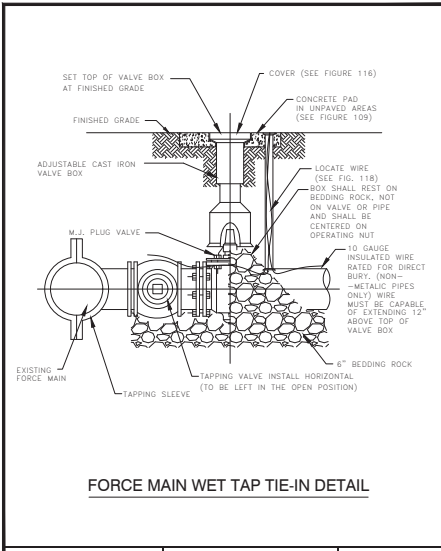
FIG. 204



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

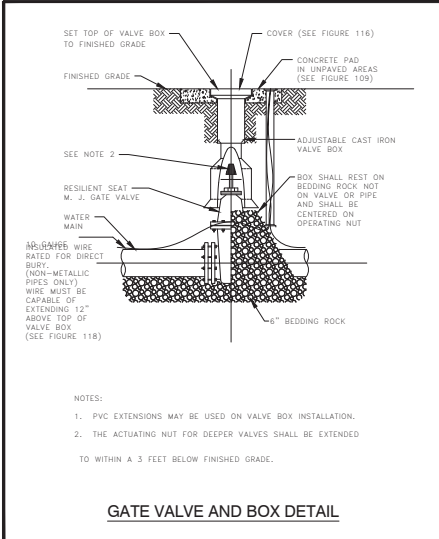
FIG. 205



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

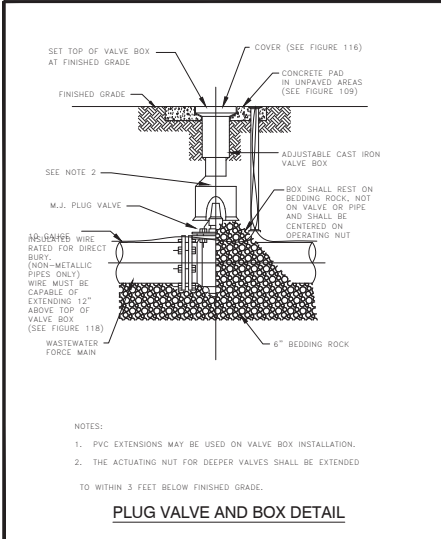
FIG. 206



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

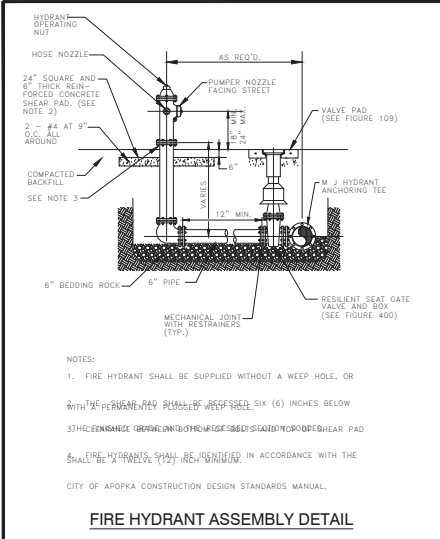
FIG. 400



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

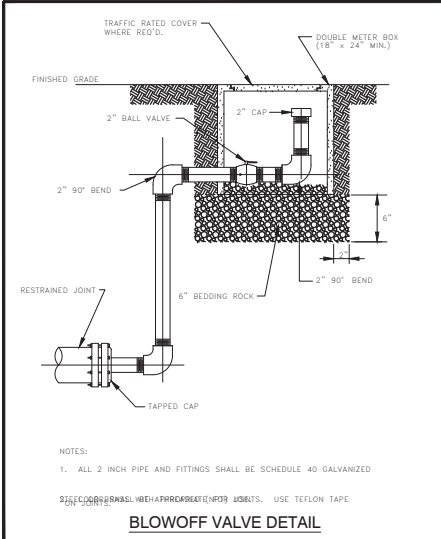
FIG. 400 A



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 402



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 403

NO.	REVISION/ISSUE	DATE

CITY OF APOPKA DETAILS

MARSHALL LAKE PROPERTIES, LLC.
780 MARSHALL LAKE ROAD
APOPKA, FLORIDA 32703

ENGINEER OF RECORD

KEN EHLERS, P.E.

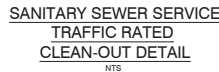
FLORIDA P.E. LICENSE NO. 18243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (887) 468-3412

PROJECT NAME

MARSHALL LAKE

BUSINESS CENTER

DWG SHEETS 1-25	SHEET
DATE APRIL 09, 2023	14
SCALE AS SHOWN	



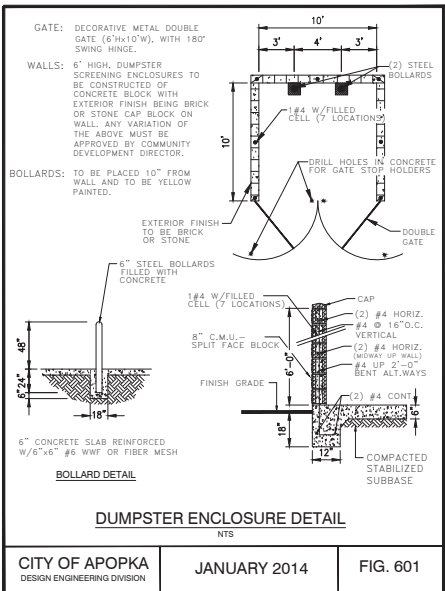
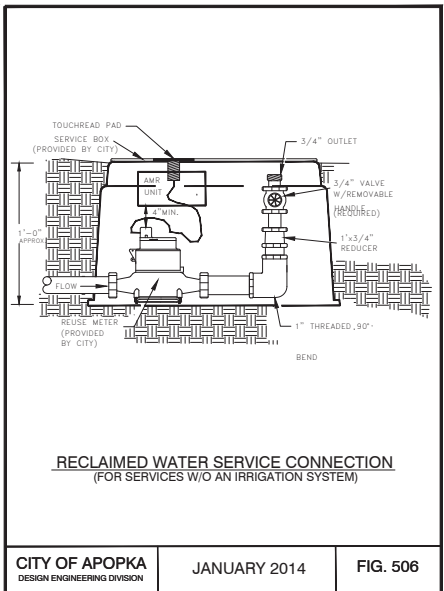
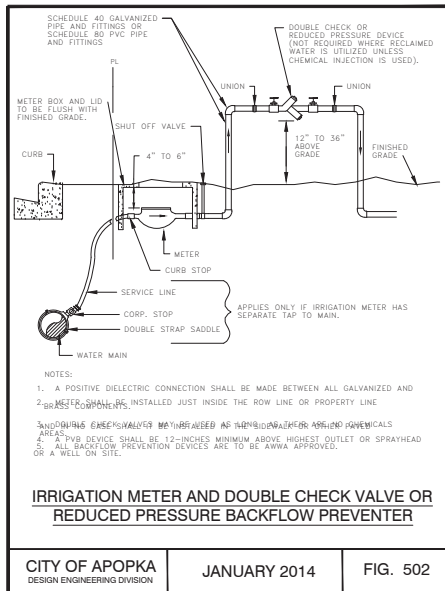
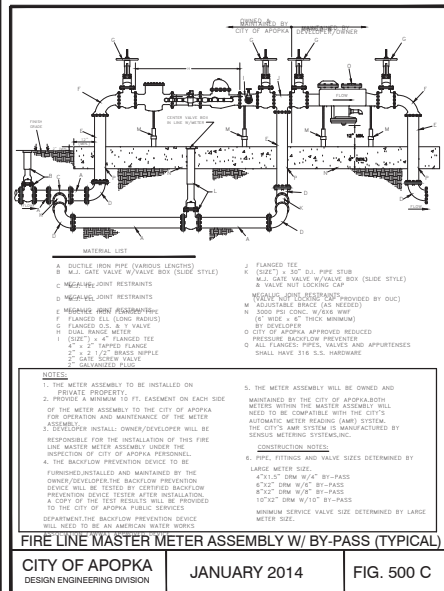
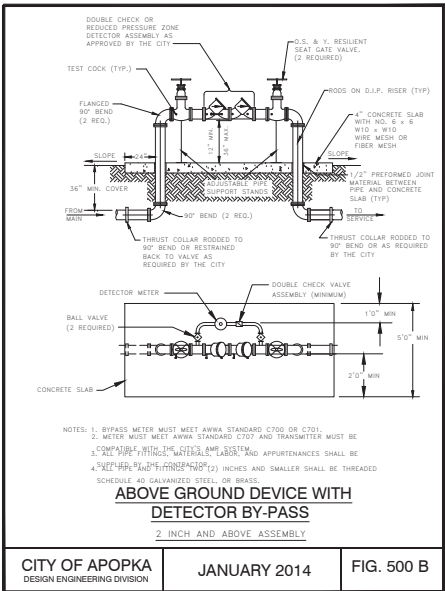
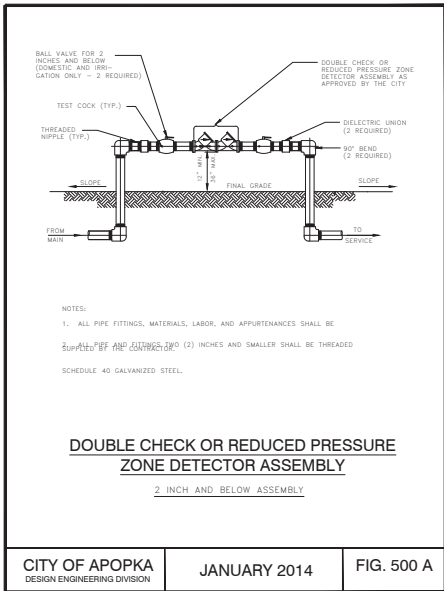
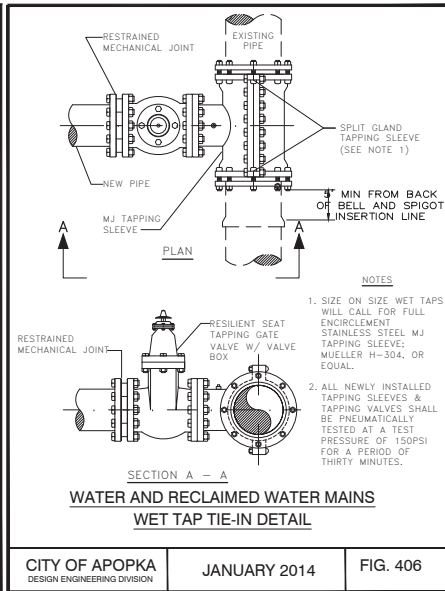
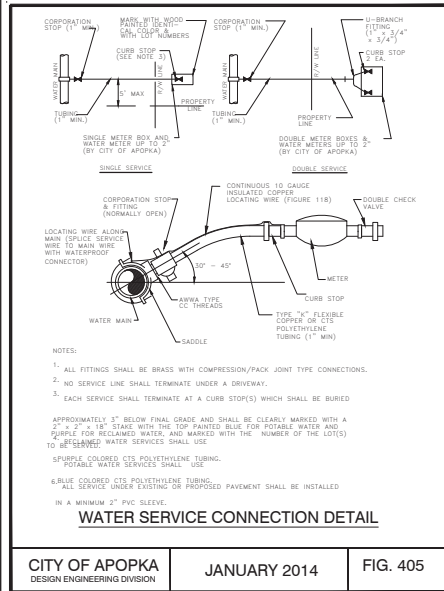
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 206
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CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 403
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CITY OF APOPKA DETAILS
MARSHALL LAKE PROPERTIES, LLC.
780 MARSHALL LAKE ROAD
APOPKA, FLORIDA 32703

DWG SHEETS 1-25	SHEET
DATE APRIL 05, 2023	14
SCALE AS SHOWN	



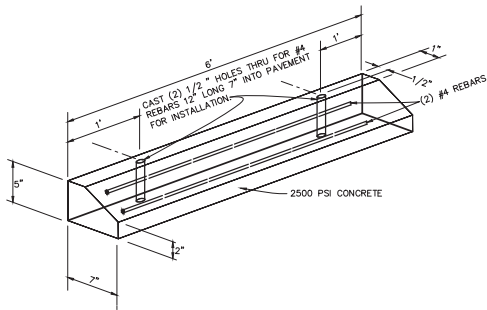
NO.	REVISION/ISSUE	DATE

CITY OF APOPKA DETAILS
MARSHALL LAKE PROPERTIES, LLC.
780 MARSHALL LAKE ROAD
APOPKA, FLORIDA 32703

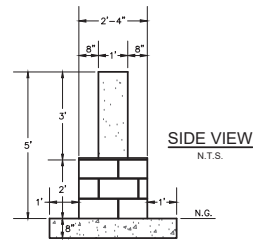
ENGINEER OF RECORD
KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 10243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (887) 468-3412

PROJECT NAME
MARSHALL LAKE
BUSINESS CENTER

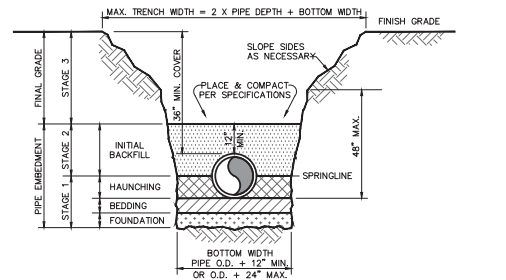
DWG SHEETS 1-25	SHEET
DATE APRIL 08, 2023	15
SCALE AS SHOWN	



WHEEL STOP DETAIL
N.T.S.

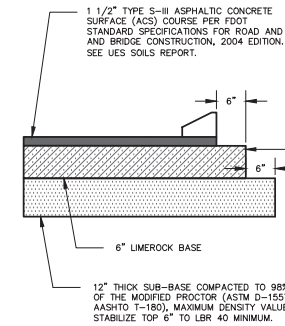


FRONT VIEW
N.T.S.
MONUMENT SIGN
N.T.S.

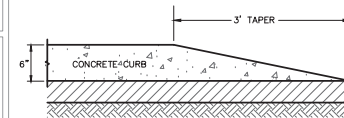


- NOTES:**
1. DEPTH OF PIPE MAY BE FIELD ADJUSTED TO MEET SPECIAL CONDITIONS AS DETERMINED BY THE OWNER'S REPRESENTATIVE.
 2. ALL TRENCHING SHALL COMPLY WITH THE REQUIREMENTS OF THE FLORIDA TRENCH SAFETY ACT.
 3. **FOUNDATION:** A FOUNDATION MAY BE REQUIRED IN POOR SOIL CONDITIONS.
 4. **BEDDING:** BEDDING IS REQUIRED PRIMARILY TO BRING THE TRENCH BOTTOM UP TO GRADE AND ADJUST FOR PIPE BELLS. BEDDING MATERIALS SHALL PROVIDE A UNIFORM AND ADEQUATE LONGITUDINAL SUPPORT UNDER THE PIPE. MATERIAL SHALL BE PLACED IN 4" TO 6" LIFTS, LIGHTLY COMPACTED, UNIFORM AND NOT FINER THAN THE FOUNDATION MATERIAL.
 5. **HAUNCHING:** HAUNCHING MATERIAL SHALL BE HAND PLACED TO THE SPRINGLINE OF THE PIPE. MATERIAL SHALL BE CONSOLIDATED UNDER THE PIPE AND HAND TAMPED TO PROVIDE ADEQUATE SIDE SUPPORT.
 6. **INITIAL BACKFILL:** INITIAL BACKFILL SHALL BE HAND PLACED TO 12" ABOVE THE TOP OF THE PIPE. THE SOIL SHALL BE CONSOLIDATED BY HAND TAMPING OR WALKING THE SOIL IN PLACE.
 7. **FINAL BACKFILL:** FINAL BACKFILL MATERIAL MAY BE MACHINE PLACED. MATERIAL UNDER ROADWAYS MAY REQUIRE SPECIAL COMPACTION AND DENSITY TESTS.
 8. **DENSITY:** ALL BACKFILL SHALL BE COMPACTED TO THE REQUIREMENTS OF THE SPECIFICATIONS.

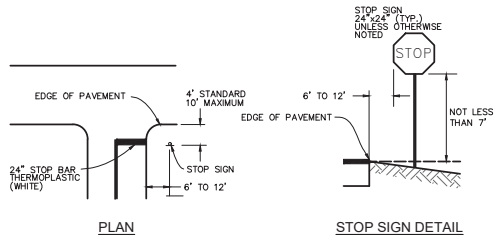
TYPICAL TRENCHING AND BACKFILLING
N.T.S.



TYPICAL PAVEMENT SECTION
N.T.S.



CONCRETE CURB TAPER
N.T.S.



PLAN
N.T.S.
STOP SIGN DETAIL
N.T.S.

BLADES: ALCOA #86054, 6063-T6 ALLOY, ETCHED, DECREASED, DEBURRED, WITH #1200 ALDINE FINISH, #2277 GREEN SCOTCHLITE BACKGROUND OR EQUAL. DIMENSIONS-6" HEIGHT; 24", 30" or 36" LENGTHS.

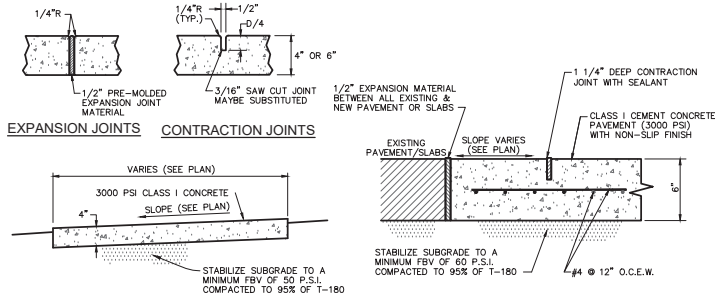
LETTERS: NAME - 4" SERIES "B" #2270 SCOTCHLITE (SILVER) OR EQUAL. SUFFIX - 2" SERIES "B" #2270 SCOTCHLITE (SILVER) OR EQUAL.

BRACKETS: DIE-CAST HIGH STRENGTH ALUMINUM ALLOY, MIN. TENSILE STRENGTH 45,000 P.S.I., DECREASED, TUMBLER, AND POLISHED, SIDES OF ALL SLOTS SHALL BE SOLID METAL WITH TWO HOLES PER SLOT (SAME SIDE) DRILLED TO 7/32" AND TAPPED TO 1/4" TO RECEIVE STAINLESS STEEL ALLEN-HEAD SET SCREWS, SKIRT OF POST CAP BRACKET TO BE DRILLED AND TAPPED FOR 3 SCREWS OF WHICH NO TWO SCREWS ARE TO BE LESS THAN 90° OR MORE THAN 135° APART. (METRO HUSKEY No. 6 or EQUAL.)

POST: STANDARD 2" I.D. (2 3/8" O.D.) 14' LONG GALVANIZED STEEL, "GLOSS" DIPPED.

CONCRETE BASE: 2000#

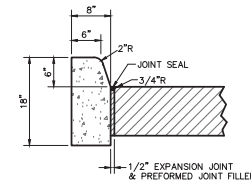
STOP SIGN AND BAR LOCATION
N.T.S.



TYPICAL SECTION OF 4" THICK CONCRETE SIDEWALK
N.T.S.
TYPICAL SECTION OF 6" THICK CONCRETE SIDEWALK
N.T.S.

- NOTES:**
1. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATIONS SECTIONS 345 & 350.
 2. ALL TESTING SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATIONS SECTION 345-8 FOR 28 DAY COMPRESSIVE STRENGTH 3000 PSI CONCRETE.
 3. PROVIDE EXPANSION JOINTS 20' CENTER TO CENTER, AT PC & PT OF CURVES, JUNCTIONS OF EXISTING AND NEW SIDEWALKS, AND WHERE SIDEWALK ABUTS CURBS, DRIVEWAYS & SIMILAR STRUCTURES.
 4. PROVIDE CONTRACTIONS JOINTS 5' CENTER TO CENTER.
 5. SOD SHALL BE PLACED BELOW EDGE OF SIDEWALK TO ALLOW DRAINAGE.

CONCRETE SIDEWALK SECTIONS
N.T.S.



SECTION VIEW
N.T.S.

- NOTES:**
- SAW CUT CONTRACTION JOINTS ON 10' CENTERS MAX. WITHIN 48 HOURS AFTER POURING CURB.
- ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATIONS SECTION 520 AND FDOT ROADWAY & TRAFFIC DESIGN STANDARDS INDEX NUMBER 300.

TYPE "D" CURB
N.T.S.

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/27/23

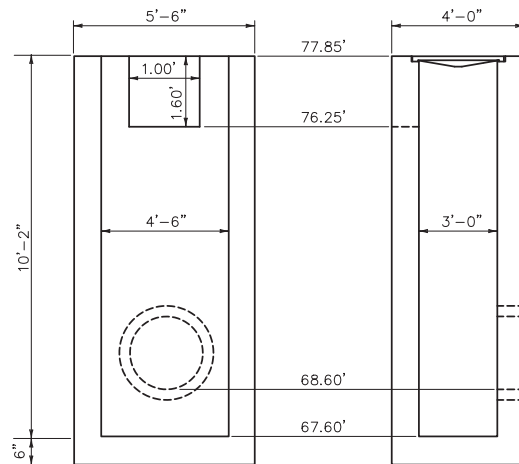
STANDARD DETAILS
MARSHALL LAKE PROPERTIES, LLC.
780 MARSHALL LAKE ROAD
APOPKA, FLORIDA 32703

ENGINEER OF RECORD
KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 18243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (887) 468-3412

PROJECT NAME
MARSHALL LAKE
BUSINESS CENTER

DWG SHEETS 1-25	SHEET
DATE APRIL 05, 2023	16
SCALE AS SHOWN	

PROJECT UPDATE: 02/12/24



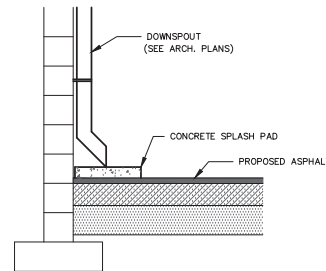
FRONT VIEW

SIDE VIEW

TOP VIEW

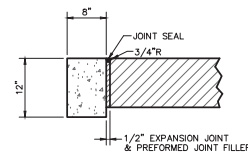
CONTROL STRUCTURE - TYPE "C" DRAINAGE INLET

N.T.S.



DOWN SPOUT DETAIL

N.T.S.

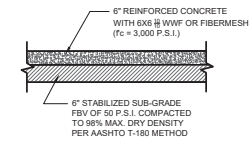


SECTION VIEW

NOTES:
SAW CUT CONTRACTION JOINTS ON 10' CENTERS MAX. WITHIN 48 HOURS AFTER POURING CURB. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH FOOT SPECIFICATIONS SECTION 520 AND FOOT ROADWAY & TRAFFIC DESIGN STANDARDS INDEX NUMBER 300.

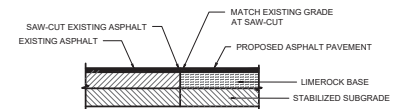
FLUSH CURB

N.T.S.



CONCRETE SECTION

N.T.S.



STRUCTURAL COURSE:
TYPE S-1 ASPHALTIC CONCRETE: 1 1/2" THICKNESS

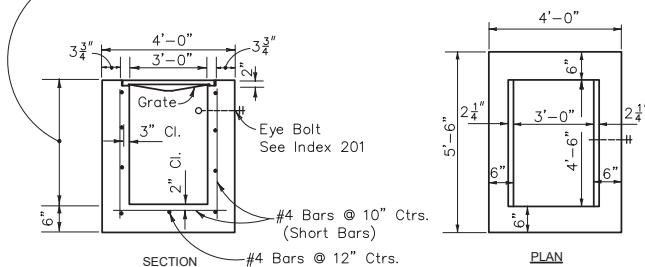
BASE:
COMPACTED LIMEROCK: 6" THICKNESS, PRIMED.
MINIMUM LBR OF 100 COMPACTED TO 98 PROCTOR.

SUBGRADE:
12" THICKNESS STABILIZED, MINIMUM LBR 40 PER STANDARD SPECIFICATIONS, SECTION 160-2.

PAVEMENT SAW-CUT AND BUTT JOINT

N.T.S.

Varies
15' Max. See Index No. 425-001
For Reinf. Mod. For Depths 13' To 15'



SECTION

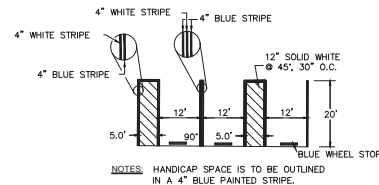
PLAN

Recommended Maximum Pipe Size:

3'-0" Wall-24" Pipe
4'-6" Wall-36" Pipe

PRE-CAST TYPE "E" CATCH BASIN FDOT INDEX 425-052

N.T.S.



NOTES: HANDICAP SPACE IS TO BE OUTLINED IN A 4" BLUE PAINTED STRIPE.

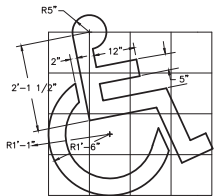
TYPICAL DISABLED PARKING SECTION

N.T.S.



HANDICAP PARKING SIGN

N.T.S.



HANDICAP SYMBOL DETAIL

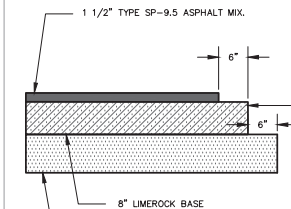
N.T.S.

NOTES:

- ALL LETTERS ARE 1" SERIES "C", PER MUTCD.
- TOP PORTION OF SIGN SHALL HAVE REFLECTORIZED (ENGINEERING GRADE) BLUE.
- BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.
- ONE (1) SIGN IS REQUIRED FOR EACH PARKING SPACE.
- HEIGHT OF SIGN SHALL BE 7'-6" FROM FINISHED GROUND TO BOTTOM OF SIGN. WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
- USE FTP 20-06 AND FTP 22-06 AS PER 2016 FDOT STANDARD INDEX 17355. REFER TO PLAN SHEET 16 FOR FDOT DETAILS.

DISABLED PARKING DETAILS

N.T.S.



TYPICAL RIGHT-OF-WAY PAVEMENT SECTION

N.T.S.

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/27/23

DRAINAGE DETAILS
MARSHALL LAKE PROPERTIES, LLC.
780 MARSHALL LAKE ROAD
APOPKA, FLORIDA 32703

ENGINEER OF RECORD
KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 18243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (877) 468-3412

PROJECT NAME
**MARSHALL LAKE
BUSINESS CENTER**

DWG SHEETS 1-25	SHEET
DATE APRIL 09, 2023	17
SCALE AS SHOWN	

NOTE: COMPLETE SYSTEM TO BE SUPPLIED BY:
RILEY & COMPANY, INC.
SANFORD, FL 32773

NO SUBSTITUTIONS - NO ALTERNATES
(307) 285-1963

The H-20 Load Rated Fiberglass Wetwell Must Be Manufactured By L.F. Manufacturing, Giddings, Texas, Which Includes a 20 Yr. Warranty.
Certification of the wetwell H-20 load rating must be supplied with submittals.
H-20 certification must be signed and sealed by an engineer registered in the State of Florida.
After the H-20 load rated wetwell has been installed, the ASTM Certification Number and Serial Tracking Number must be visible inside wetwell.

PUMPS: (3 YR. WARRANTY)
Submersible grinder pumps shall be HOMA Model RC30045, installed in the H-20 GP FRP wetwell utilizing a slide rail system. Pumps shall be the grinder unit shall be capable of macerating materials normally found in domestic and commercial sewage into a fine slurry which will pass through the

Stator winding shall be open type with Class H insulation and shall be heat-shrink fitted into the stator housing. The use of pins, bolts, or other fastening devices is not acceptable.

A heat sensor thermostat shall be attached to the top end of the motor winding and shall be connected in series with the magnetic contactor coil in the control panel to stop motor if winding temperature exceeds 140 C., but shall automatically reset when the winding temperature returns to normal. Two heat sensor thermostats shall be used on three phase motors.
The pump motor grinder shaft shall be AISI 430F SS threaded to take the pump impeller and the grinder impeller.
Upper & lower mechanical seals shall be Silicon Carbide vs Silicon Carbide.

DUPLEX CONTROL PANEL: (3 YR. WARRANTY)
To insure complete unit and warranty responsibility the electrical control panel must be manufactured and built by the pump supplier. The pump supplier must be a TUV (UL508A CERTIFIED) manufacturing facility, with a minimum of 10 years history in the manufacturing of electrical control panels.

The enclosure shall be NEMA 4X, minimum 30" high x 30" wide x 10" deep fiberglass with 4 point latching system.

The enclosure shall have external mounting feet to allow for wall mounting.

The following components shall be mounted through the enclosure:
1- ea. Red Alarm Beacon (Light) 4" x 4" Minimum Diameter
1- ea. Alarm Horn (minimum 95 DCB)
1- ea. Generator Receptacle w/ weatherproof cover (SCM460-UL 1686)
1- ea. Alarm Silence Pushbutton

The back panel shall be fabricated from .125, 5052-H32 marine alloy aluminum. All components shall be mounted by machined stainless steel screws.

The following components shall be mounted to back panel:
2- ea. Motor Contactors
1- ea. Phase Monitor (3 Ph) w/2 N/O & 1 N/C Contacts
1- ea. Control Transformer (480 Volt Only) (Min. 500VA)
1- ea. Lightning Arrestor
1- ea. Silence Relay Module
1- ea. Duplex Alternator w/ Pump Selector Switch
1- ea. Model RCB5AH Battery Back-Up w/ Smart Charger For

20- ea. Terminals For Field Connections
3- ea. Grounding Lugs
1- ea. Seal Failure Relay

The inner door shall be fabricated from .080, 5052-H32 marine alloy aluminum. The inner door shall have a continuous aluminum piano hinge.

The following components shall be mounted through the inner door:
1- ea. Main Circuit Breaker
1- ea. Emergency Circuit Breaker
1- ea. Mechanical Interlock For Emergency And Main Breakers (UL Listed)
2- ea. Short Circuit Protectors w/ Auxiliary Contacts
1- ea. Control Circuit Breaker
2- ea. Seal Failure Indicator Lights
1- ea. Hand-Off-Auto Selector Switches
2- ea. Pump Run Pilot Lights
1- ea. Power On Pilot Light
2- ea. Elapse Time Meters (Non-Resettable)
1- ea. GFI Duplex Convenience Outlet

RILEY & Company, Inc. (H-20 GP) ©

w/ BATTERY BACK-UP FOR AUDIO AND VISUAL ALARMS

PUMP DATA		ELEVATIONS	
PRIMARY PUMP CAPACITY	110 GPM	TOP OF WETWELL	89.50
PRIMARY TDH	50 TDH	INLET INVERT	85.50
PUMP MANUFACTURER	HOMA	HIGH LEVEL ALARM (HLA)	85.00
PUMP MODEL #	RC30045	2nd PUMP ON (LAG)	84.50
R.P.M.	3450	PUMP ON (LEAD)	84.00
HORSEPOWER	4.10	PUMPS OFF (OFF)	82.00
ELECTRICAL VOLTS / PHASE	460V/3		79.50
FULL LOAD AMPS/ PER PUMP	5.40	BOTTOM OF WETWELL	60"
PUMP DISCHARGE SIZE	2"	WETWELL DIAMETER	

18"

PRIVATE
SANITARY SEWER

IN CASE OF EMERGENCY CONTACT THE
FACILITY MAINTAINED BY:
NAME: _____
PHONE NUMBER: _____
STATION NUMBER: _____

24"

NOTE: CONTRACTOR MUST SUPPLY INFORMATION SIGN AT START-UP.

- NOTES:**
- Water service with hose bibb and reduced pressure backflow preventer
 - As required by DEP Chapter 62-604.500, as required by DEP Chapter 62-604.500, the weather resistant emergency contact sign shall be installed at the lift station and made visible to the public. Lettering shall be min. 2" in height.
 - INSPECTION & TESTING: A factory representative shall be provide for a one (1) time start-up and shall have complete knowledge of the proper operation and maintenance for the complete system.

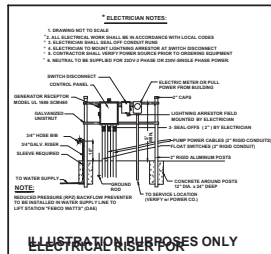
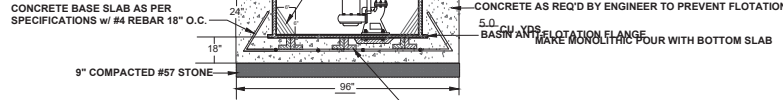


ILLUSTRATION PURPOSES ONLY

LIFT STATION WILL BE PRIVATELY OWNED AND MAINTAINED.



NOTE: ELECTRICAL INFORMATION IS SHOWN FOR REFERENCE ONLY AND IS NOT INCLUDED AS PART OF THE ENGINEERING DESIGN OR CERTIFICATION BY THE PROFESSIONAL ENGINEER. ANY ELECTRICAL DESIGN NEEDED FOR THE LIFT STATION SHALL BE CONFIRMED AND CERTIFIED BY A PROFESSIONAL ELECTRICAL ENGINEER.

CITY OF APOPKA
UTILITIES
DESIGN AND CONSTRUCTION STANDARDS MANUAL
2016 EDITION

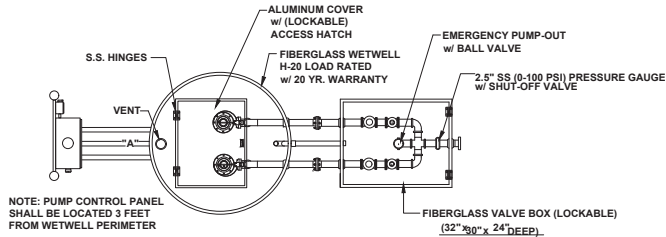
SECTION 22 - WASTEWATER PUMP STATIONS

22.6

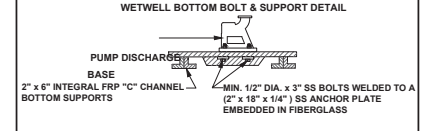
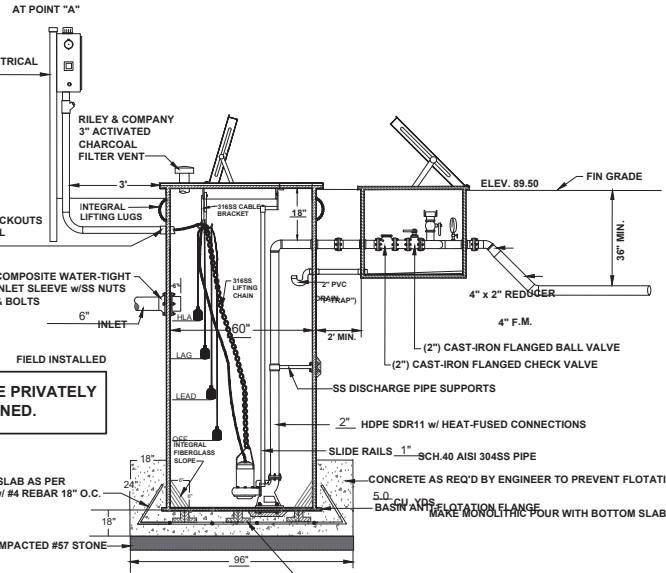
PRIVATE PUMP STATIONS

SIGNAGE

PRIVATELY OWNED AND MAINTAINED PUMP STATIONS SHALL PROVIDE A SIGN THAT IDENTIFIES THE CURRENT OWNER AND PROVIDES A TWENTY-FOUR (24) HOUR PER DAY, SEVEN (7) DAYS A WEEK EMERGENCY RESPONSE TELEPHONE NUMBER. THE ALUMINUM SIGN SHALL BE CLEARLY VISIBLE FROM THE ADJACENT ROADWAY, AND USE TWO (2) INCH HIGH WHITE LETTERS ON A GREEN BACKGROUND MADE OF ENGINEERING GRADE REFLECTIVE MATERIALS, AND MEASURE A MINIMUM OF EIGHTEEN (18) INCHES HIGH BY TWENTY-FOUR (24) INCHES LONG. THE SIGN SHALL BE MOUNTED ON THE PERIMETER SECURITY FENCING WITH THE BOTTOM OF THE SIGN A MINIMUM OF FOUR (4) FEET ABOVE FINISH GRADE.



NOTE: PUMP CONTROL PANEL SHALL BE LOCATED 3 FEET FROM WETWELL PERIMETER



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NO. REVISION/ISSUE DATE

1 COA DRC 10/27/23

LIFT STATION DETAILS

MARSHALL LAKE PROPERTIES, LLC.
780 MARSHALL LAKE ROAD
APOPKA, FLORIDA 32703

ENGINEER OF RECORD

KEN EHLERS, P.E.

FLORIDA P.E. LICENSE NO. 16243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (877) 468-3412

PROJECT NAME

MARSHALL LAKE

BUSINESS CENTER

DWG SHEETS 1-25

DATE APRIL 05, 2023

SCALE AS SHOWN

SHEET

18

NO.	REVISION/ISSUE	DATE
1	COA DRC	10/27/23

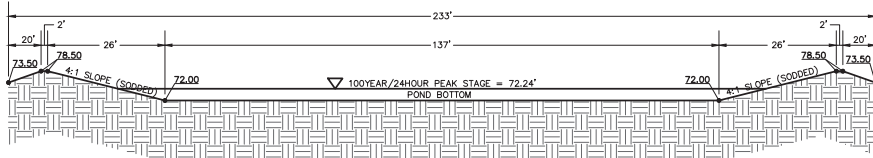
TYPICAL CROSS SECTIONS MARSHALL LAKE PROPERTIES, LLC. 780 MARSHALL LAKE ROAD APOPKA, FLORIDA 32703

ENGINEER OF RECORD
KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 16263
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (887) 448-3812

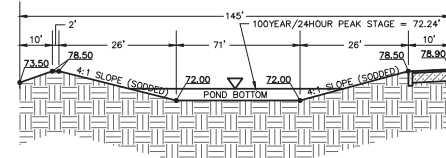
PROJECT NAME

MARSHALL LAKE
BUSINESS CENTER

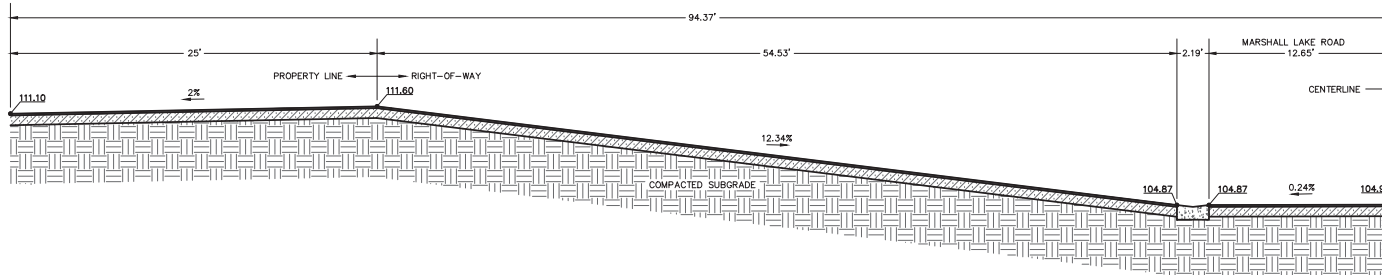
DWG SHEETS 1-25	SHEET
DATE APRIL 05, 2023	19
SCALE AS SHOWN	



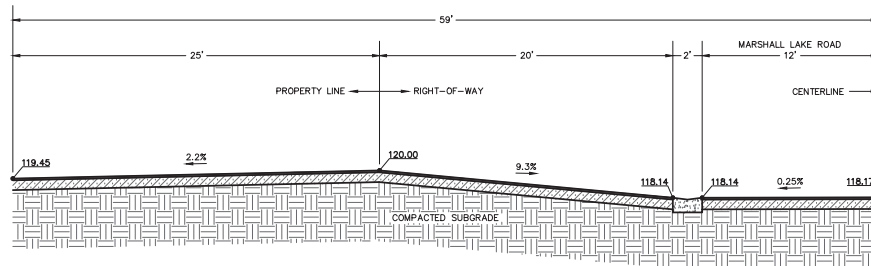
**TYPICAL POND SECTION
CROSS SECTION A-A**
N.T.S.



**TYPICAL POND SECTION
CROSS SECTION B-B**
N.T.S.



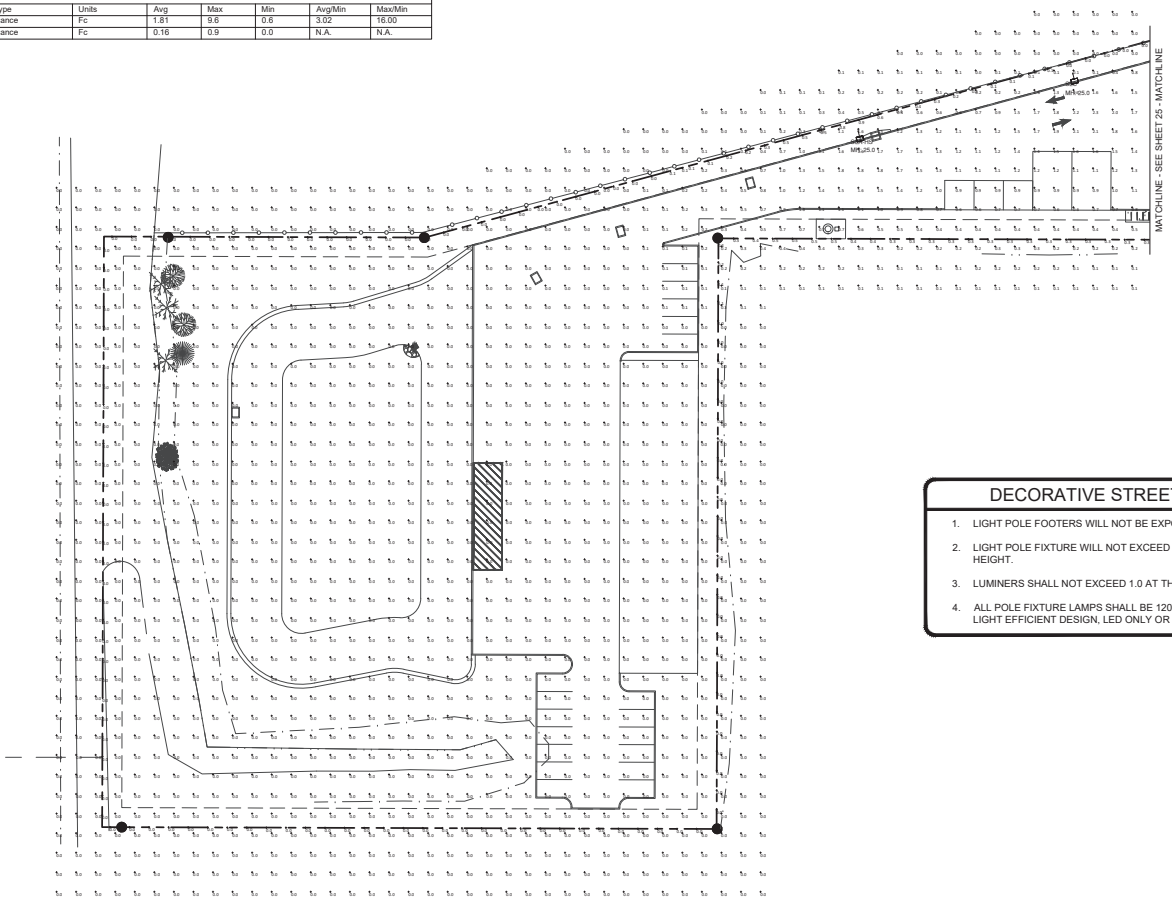
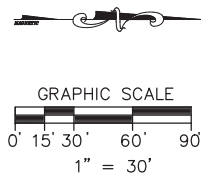
**TYPICAL ACCESS CONNECTION
MARSHALL LAKE ROAD
CROSS SECTION C-C**
N.T.S.



**TYPICAL ACCESS CONNECTION
MARSHALL LAKE ROAD
CROSS SECTION D-D**
N.T.S.

Landreth Lighting Luminaire Schedule							
Symbol	[MANUFAC]	Qty	Label	Arrangement	Description	LLF	Lum. Watts
	Lithonia Lighting	3	SLA-HS	Single	DSX0 LED P5 40K 70CRI 12M MVOLT RPA NLTAIR2 PRH FINISH HS; MOUNTED @ 25' AFG ON A ROUND TAPERED DIRECT BURY FIBERGLASS POLE	1.000	90.12
	Lithonia Lighting	2	SLB-HS	Single	DSX0 LED P5 40K 70CRI 13M MVOLT RPA NLTAIR2 PRH FINISH HS; MOUNTED @ 25' AFG ON A ROUND TAPERED DIRECT BURY FIBERGLASS POLE	1.000	90.12
	Lithonia Lighting	6	SLC	Single	DSX0 LED P5 40K 70CRI 14M MVOLT RPA NLTAIR2 PRH FINISH HS; MOUNTED @ 25' AFG ON A ROUND TAPERED DIRECT BURY FIBERGLASS POLE	1.000	90.12
	Lithonia Lighting	20	WPA	Single	WDGE2 LED P4 40K 70CRI 1FTM MVOLT NLTAIR2 PIR FINISH; WALL MOUNTED @ 15' AFG	1.000	46.6589
	Lithonia Lighting	8	WPB	Single	WDGE3 LED P2 70CRI RFT 40K MVOLT NLTAIR2 PIR FINISH; WALL MOUNTED @ 15' AFG	1.000	59.2761
							8597
							B2-U0-G2

Landreth Lighting Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Parking	Illuminance	Fc	1.81	9.6	0.6	3.02	16.00
Property Line	Illuminance	Fc	0.16	0.9	0.0	N.A.	N.A.



- DECORATIVE STREET LIGHT POLE**
1. LIGHT POLE FOOTERS WILL NOT BE EXPOSED ABOVE GROUND.
 2. LIGHT POLE FIXTURE WILL NOT EXCEED THE HEIGHT OF THE BUILDING HEIGHT.
 3. LUMINERS SHALL NOT EXCEED 1.0 AT THE PROPERTY LINE.
 4. ALL POLE FIXTURE LAMPS SHALL BE 120W, 120-227 VOLTS TYPE TO BE LIGHT EFFICIENT DESIGN, LED ONLY OR EQUAL MD#LED-8090M50-5000K.

148 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

PHOTOMETRIC PLAN

SCALE: 1" = 30'

PROJECT UPDATE: 02/12/24

NO.	REVISION/ISSUE	DATE

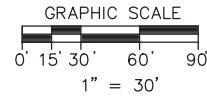
PHOTOMETRIC PLAN

MARSHALL LAKE PROPERTIES, LLC.
780 MARSHALL LAKE ROAD
APOPKA, FLORIDA 32703

ENGINEER OF RECORD
KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 16243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (877) 448-3412

PROJECT NAME
MARSHALL LAKE
BUSINESS CENTER

DWG SHEETS 1-25	SHEET 24
DATE APRIL 05, 2023	SCALE AS SHOWN

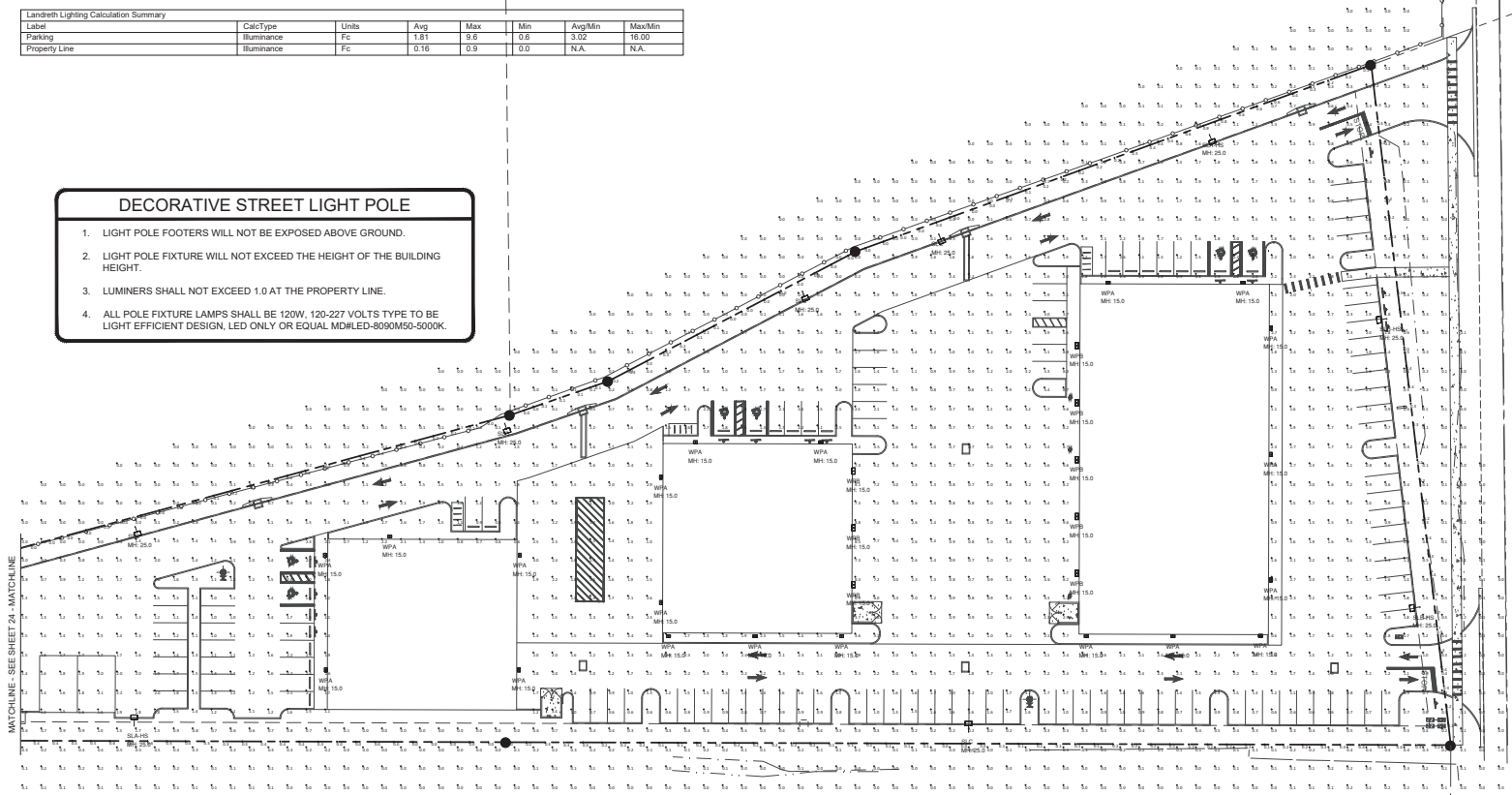


Landscape Lighting Luminaire Schedule									
Symbol	[MANUFAC]	Qty	Label	Arrangement	Description	LLF	Lum. Watts	Lum. Lumens	BUG Rating
	Lithonia Lighting	3	SLA-HS	Single	DSX0 LED P5 40K 70CRI T3M MVOLT RPA NLTAIR2 PIRH FINISH HS; MOUNTED @ 25' AFG ON A ROUND TAPERED DIRECT BURY FIBERGLASS POLE	1.000	90.12	10369	B1-U0-G3
	Lithonia Lighting	2	SLB-HS	Single	DSX0 LED P5 40K 70CRI T3M MVOLT RPA NLTAIR2 PIRH FINISH HS; MOUNTED @ 25' AFG ON A ROUND TAPERED DIRECT BURY FIBERGLASS POLE	1.000	90.12	10479	B1-U0-G3
	Lithonia Lighting	6	SLA	Single	DSX0 LED P5 40K 70CRI T3M MVOLT RPA NLTAIR2 PIRH FINISH HS; MOUNTED @ 25' AFG ON A ROUND TAPERED DIRECT BURY FIBERGLASS POLE	1.000	90.12	9081	B0-U0-G3
	Lithonia Lighting	20	WPA	Single	WDGE2 LED P4 40K 70CRI T3M MVOLT NLTAIR2 PIR FINISH; WALL MOUNTED @ 15' AFG	1.000	46.6589	4742	B1-U0-G2
	Lithonia Lighting	8	WPB	Single	WDGE3 LED P2 70CRI RPT 40K MVOLT NLTAIR2 PIR FINISH; WALL MOUNTED @ 15' AFG	1.000	58.2761	8597	B2-U0-G2

Landscape Lighting Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Parking	Illuminance	Fc	1.81	9.8	0.8	3.02	18.00
Property Line	Illuminance	Fc	0.16	0.9	0.0	N/A	N/A

DECORATIVE STREET LIGHT POLE

1. LIGHT POLE FOOTERS WILL NOT BE EXPOSED ABOVE GROUND.
2. LIGHT POLE FIXTURE WILL NOT EXCEED THE HEIGHT OF THE BUILDING HEIGHT.
3. LUMINERS SHALL NOT EXCEED 1.0 AT THE PROPERTY LINE.
4. ALL POLE FIXTURE LAMPS SHALL BE 120W, 120-227 VOLTS TYPE TO BE LIGHT EFFICIENT DESIGN, LED ONLY OR EQUAL MDLED-8090M50-5000K.



PHOTOMETRIC PLAN

SCALE: 1" = 30'

PROJECT UPDATE: 02/12/24

148 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE ONE CALL
OF FLORIDA, INC.

NO.	REVISION/ISSUE	DATE

PHOTOMETRIC PLAN
MARSHALL LAKE PROPERTIES, LLC.
780 MARSHALL LAKE ROAD
APOPKA, FLORIDA 32703

ENGINEER OF RECORD
KEN EHLERS, P.E.
FLORIDA P.E. LICENSE NO. 16243
PROFESSIONAL ENGINEERING SERVICES
6034 FALCONBRIDGE PLACE
MOUNT DORA, FL 32757
CELL PHONE: (877) 448-3412

PROJECT NAME
**MARSHALL LAKE
BUSINESS CENTER**

DWG SHEETS 1-25	SHEET
DATE APRIL 05, 2023	25
SCALE AS SHOWN	

Construction Site Plans
for
Crossroads at Kelly Park
Ondich Road Improvements
Orange County, FL

Legal Description:

Existing Orange County Right of Way for Ondich Road.

Sheet Index		Subm./Rev.						
Sheet Id.	Sheet Title	-	1	2	3	4	5	6 7
C0.00	Cover Sheet							
C0.01 - C0.02	Construction Notes							
C1.00	Existing Conditions Plan							
C1.10 - C1.11	Erosion Control Plan & Details							
C2.00	Master Grp Plan							
C3.00	Typical Road Sections & Details							
C4.00	Signage, Striping & Geometry Plan							
C5.00	Demolition Plan							
C8.00 - C8.01	Grading & Utility Plan							
C8.10 - C8.13	Grading Sections & Details							
C9.10 - C9.13	Construction Details							
<u>Survey Drawings</u>								
1 - 4	Phase 2 Boundary & Topographic Survey							
<u>Date</u>		<u>Description</u>						
03/11/2024		Submit to Orange County & City of Apopka						

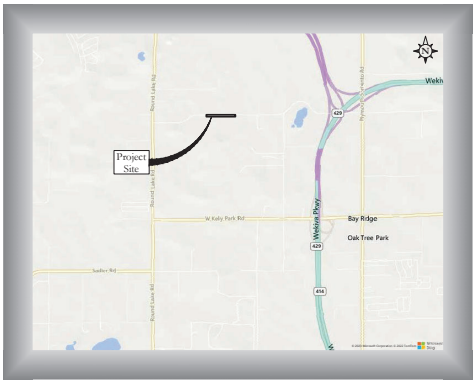
Owner/Developer/Applicant:
Kelly Park Land Investments, LLC
121 Snell Isle Blvd NE
St.Petersburg, FL 33704

Utility Providers

<u>Electric:</u> Duke Energy 452 E. Crown Point Rd Winter Garden, FL 34787 407.629.1010 <u>CATV:</u> Spectrum 100 Gordon Street Sanford, FL 32771 321.805.3081	<u>Telephone:</u> AT&T 1227 S Division Ave Orlando, FL 34805 407.351.7100 <u>Gas:</u> Lake Apopka Natural Gas 38 N Park Avenue Apopka, FL 32705 407.656.2734	<u>Water, Sewer and Reuse:</u> City of Apopka 748 E. Cleveland Street Apopka, FL 32703 407.703.1731 <u>Solid Waste, Fire and Police Protection:</u> City of Apopka 748 E. Cleveland St Apopka, FL 32703 407.703.1731
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Consultants

<u>Civil Engineer:</u> Poulos & Bennett, LLC 2602 E. Livingston Street Orlando, FL 32803 407.487.2594 <u>Geotechnical Engineer:</u> Universal Engineering Sciences 3532 Maggie Boulevard Orlando, FL 32811 407.423.0504	<u>Surveyor:</u> PEC Surveying and Mapping, LLC 2100 Alafaya Trail Orlando, FL 32765 407.542.4967 <u>Landscape Architect:</u> Bonnett Design Group, LLC 490 S Orlando Ave Suite 201 Maitland, FL 32751 407.622.1588	<u>Environmental:</u> Bio-Tech Consulting Inc. 3025 East South Street Orlando, FL 32803 407.894.5969 <u>Transportation:</u> TMC Traffic & Mobility Consultants 3101 Maguire Boulevard, Suite 265 Orlando, FL 32803 407.531.5332
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Vicinity Map
Scale: 1" = 3,000'

PROJECT NARRATIVE:
LOCATED IN THE KELLY PARK TRANSITION DISTRICT AND VILLAGE CENTER DISTRICT, THE CROSSROADS AT KELLY PARK PROJECT PROVIDES A MIXTURE OF USES INCLUDING DETACHED SINGLE-FAMILY RESIDENTIAL AND MULTI-FAMILY RESIDENTIAL. THIS CONSTRUCTION SITE PLAN SUBMITTAL PROPOSES TURN LANE IMPROVEMENTS ON ONDICH ROAD TO SERVE THE PROJECTS NORTHERN ENTRANCE.

- NOTES:**
1. CONSTRUCTION PLANS WERE PREPARED IN ACCORDANCE WITH THE LATEST MANUAL OF UNIFORM STANDARDS FOR DESIGN, CONSTRUCTION, AND MAINTENANCE FOR STREETS AND HIGHWAYS, FDOT GREEN BOOK, AND LOCAL REGULATIONS AND SPECIFICATIONS.
 2. IF YOU REQUIRE FURTHER CLARIFICATION OF WHAT THIS DOCUMENT REPRESENTS, PLEASE CONTACT THE ADA COORDINATOR OF CITY OF APOPKA AT 407.703.1700



POULOS & BENNETT
2602 E. Livingston St., Orlando, FL 32803
Tel. 407.487.2594 www.poulosandbennett.com
Eng. Bus. No. 28567
P&B Job No.: 21-027B

THE UTILITY NOTES BELOW ARE PROVIDED AS MINIMUM REQUIREMENTS AND ARE NOT INTENDED TO SUPERSEDE LOCAL GOVERNMENT AND AGENCY REQUIREMENTS

POTABLE WATER NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN COMPLIANCE WITH AWWA STANDARDS AND IN ACCORDANCE WITH LOCAL GOVERNMENTS STANDARDS.
2. PIPE LENGTHS SHOWN REPRESENT SCALED DISTANCES BETWEEN FITTINGS OF BRANCHES AND MAINS.
3. DEFLECTIONS AT PIPE JOINTS SHALL NOT EXCEED THOSE RECOMMENDED BY THE PIPE MANUFACTURER.
4. ALL GATE VALVES SHALL BE EQUIPPED WITH AN ADJUSTABLE CAST IRON VALVE BOX WITH COVER, WITH THREADED CAST BRONZE EXTENSIONS WHERE NECESSARY.
5. ALL PUBLIC WATER SYSTEM COMPONENTS, EXCLUDING FIRE HYDRANTS, THAT WILL BE INSTALLED UNDER THIS PROJECT AND THAT WILL COME INTO CONTACT WITH DRINKING WATER WILL CONFORM TO NSF INTERNATIONAL STANDARD 61 AND WILL BE MARKED WITH THE NSF SEAL OF APPROVAL.

6. ALL PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT SHALL BE COLOR CODED IN ACCORDANCE WITH SUB PARAGRAPH 62.555.202(1)(B), F.A.C. USING BLUE AS A PREDOMINANT COLOR. ALL DUCTILE IRON WATER MAINS SHALL BE MARKED WITH A CONTINUOUS STRIKE LOCATED WITHIN THE TOP 90 DEGREES OF THE PIPE. SAID STRIKE SHALL BE A MINIMUM 2 INCHES IN WIDTH AND SHALL BE BLUE IN COLOR. BACKFILL SHALL NOT BE PLACED FOR 30 MINUTES FOLLOWING PAINT APPLICATION. FOR PIPE WITH AN INTERNAL DIAMETER OF 24" OR GREATER, TAPE OR PAINT SHALL BE APPLIED IN CONTINUOUS LINES A LONG EACH SIDE OF THE PIPE AS WELL AS AROUND THE TOP OF THE PIPE.

7. ALL NON-METALLIC WATER MAINS SHALL BE INSTALLED WITH A CONTINUOUS, INSULATED TO GAUGE COPPER WIRE INSTALLED DIRECTLY ON TOP OF THE PIPE FOR LOCATION PURPOSES. SEE STANDARD DRAWINGS. IN ADDITION, ALL PVC WATER MAINS SHALL BE A SOLID BLUE COLOR. ALL LETTERING SHALL APPEAR LEGIBLY ON PIPE AND SHALL RUN THE ENTIRE LENGTH OF THE PIPE. LETTERING SHALL READ AS "IS ACCEPTABLE FOR THE INTENDED USE."

8. HYDROSTATIC TESTING AND THE IDENTIFICATION OF THE WATER DISTRIBUTION SYSTEM SHALL BE DONE IN ACCORDANCE WITH THE AWWA STANDARDS. HYDROSTATIC TESTING TO BE DONE IN ACCORDANCE WITH AWWA C400 FOR DUCTILE IRON PIPE AND C400 FOR PVC PIPE. DISINFECTION AND BACTERIOLOGICAL EVALUATION TO BE DONE IN ACCORDANCE WITH AWWA C451 AND RULE 62.555.380 F.A.C.

9. MARK SERVICES WITH 6" HIGH PEE OF 2" X 4" PLANK PAINTED BLUE WITH LOT NUMBER CLEARLY MARKED AND A "W" IMPRESSED IN THE CURB. IT IS THE INTENT THAT EVERY LOT IS CONSISTENT WITH A WATER SERVICE. THEREFORE, IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL A WATER SERVICE TO EACH LOT.

PIPE MATERIALS

- PVC - ALL PIPE, PIPE FITTINGS, PIPE JOINT PACKING AND JOINTING MATERIALS, VALVES, FIRE HYDRANTS, AND METERS INSTALLED UNDER THIS PROJECT SHALL CONFORM TO APPLICABLE AWWA STANDARDS AND SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA STANDARD C900. ALL JOINTS SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA STANDARD C900. THE PVC SHALL HAVE A MINIMUM WORKING PRESSURE OF 150 PSI, AND SHALL HAVE A DEFLECTION RATE (D/R) OF 18. PIPE SHALL BE THE SAME C.I.D. DUCTILE IRON PIPE, PVC JOINT - SHALL BE IN ACCORDANCE WITH ASTM D3121.

- DUCTILE IRON - SHALL CONFORM TO AWWA C150/C151. A MINIMUM OF CLASS 50 PIPE SHALL BE SUPPLIED.

- DUCTILE IRON JOINT - SHALL BE IN ACCORDANCE WITH AWWA A21.1 AND AWWA C111.

- SERVICES - SHALL BE IN ACCORDANCE WITH AWWA C90/C900 STANDARDS FOR POLYETHYLENE TUBING, CLASS 360.

- WATER MAIN CONNECTION SHALL BE MADE UNDER THE SUPERVISION OF CITY OF APOPKA. ALL VALVES SHALL BE OPERATED BY LOCAL GOVERNMENT PERSONNEL. ONLY WATERMAINS ARE TO BE DISINFECTED PER AWWA/CES1-92 AND LOCAL GOVERNMENT STANDARDS.

- VERTICAL SEPARATION BETWEEN UNDERGROUND POTABLE WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPES:
NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVEL, OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 36 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.
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.

- 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 II OF CHAPTER 62-430, 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 II OF CHAPTER 62-430, F.A.C.

- 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:
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 THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART II OF CHAPTER 62-430, F.A.C.

- 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.

- 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 GRAVEL, OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART II OF CHAPTER 62-430, 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 36 INCHES ABOVE THE TOP OF THE SEWER.

- 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 THE TOP EXISTING OR PROPOSED ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM, AS DEFINED IN SECTION 381.006(2), F.S., AND RULE 646.400, F.A.C.

- A MINIMUM OF 18 FEET OF COVER SHALL BE MAINTAINED OVER WATERMAINS, UNLESS OTHERWISE NOTED.

- ALL PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT SHALL CONTAIN NO MORE THAN 2.5% LEAD, AND ANY TENSILE OR RULR USED IN THIS PROJECT SHALL CONTAIN NO MORE THAN 2.5% LEAD.

- NEW OR ALTERED DRAIN WATER MAINS INCLUDED IN THIS PROJECT SHALL BE PROVIDED WITH A FIRE OR FLUSHING HEADLINE OR A BLOW OFF FOR FLUSHING PURPOSES.

- NEW OR ALTERED FIRE HYDRANT LEADS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 1/2" AND SHALL INCLUDE A FIRE HYDRANT VALVE.

- IF AGGRESSIVE SOIL CONDITIONS ARE FOUND DURING CONSTRUCTION, WATER

MAINS SHALL BE PROTECTED THROUGH THE USE OF CORROSION RESISTANT MATERIALS, THROUGH ENCASEMENT OF THE WATER MAINS IN POLYURETHANE, OR THROUGH PROVISION OF CATHODIC PROTECTION.

10. A CONTINUOUS AND UNIFORM BEDDING WILL BE PROVIDED IN TRENCHES FOR UNDERGROUND PIPE INSTALLED UNDER THIS PROJECT. BACKFILL MATERIAL WILL BE TAMPED IN LAYERS AROUND UNDERGROUND PIPE INSTALLED UNDER THIS PROJECT AND TO A SUFFICIENT HEIGHT ABOVE THE PIPE TO ADEQUATELY SUPPORT AND PROTECT THE PIPE, AND UNUSUALLY SIZED STONES (AS DESCRIBED IN APPLICABLE AWWA STANDARDS) SHALL BE PROHIBITED. RECOMMENDED INSTALLATION PROCEDURES FOR TRENCHES WILL BE REMOVED FOR A DEPTH OF AT LEAST 36 INCHES BELOW THE BOTTOM OF UNDERGROUND PIPE INSTALLED UNDER THIS PROJECT.

11. CONTRACTOR SHALL NOT ACTIVATE WATER SERVICE UNTIL THE FOP HAS CLEARED THE SYSTEM FOR USE AND THE CLEARANCE LETTER HAS BEEN RECEIVED BY THE OWNER.

12. CONTRACTOR SHALL COORDINATE ALL UTILITIES SYSTEMS TEST SCHEDULING TO ALLOW ENGINEER'S ATTENDANCE PROVIDING MINIMUM NOTICES OF FIVE (5) WORKING DAYS. CONTRACTOR'S FAILURE TO PROPERLY NOTIFY ENGINEER MAY RESULT IN RETESTING AT ENGINEER'S OPTION AND AT CONTRACTOR'S EXPENSE.

13. ENGINEER RESERVES THE RIGHT TO WITHHOLD AUTHORIZATION OF PAYMENT FOR ANY PORTION OF THE UTILITY PIPE WORK WHICH HAS NOT BEEN TESTED (OBSERVED BY ENGINEER) AND REPORTED TO CONFORM TO PROJECT SPECIFICATIONS.

14. SITE CONTRACTOR SHALL COORDINATE AND VERIFY ALL UTILITY SERVICES WITH FINAL ARCHITECTURAL DRAWINGS AND BUILDING CONTRACT.

15. CONTRACTOR SHALL VERIFY SIZE AND TYPE OF EXISTING MAIN PRIOR TO ORDERING TAPPING MATERIALS FOR TIE INS.

16. CONCRETE CURBS SHALL BE CURED OR IMPRINTED TO SHOW LOCATIONS OF WATER AND SEWER SERVICE LINE/ATERIALS. MARKING SHALL CONFORM WITH LOCAL STANDARDS, WHEN NO STANDARDS EXIST, USE "W" FOR RECLAIMED WATER, "W" FOR WATER, AND "S" FOR SANITARY.

17. FIRE HYDRANTS WHICH ARE GRAPHICALLY SHOWN ON OR NEAR LOT LINES AND NOT OTHERWISE LOCATED BY STATIONING OR DIMENSIONING SHALL BE CENTERED ON THE LOT LINE.

THE UTILITY NOTES BELOW ARE PROVIDED AS MINIMUM REQUIREMENTS AND ARE NOT INTENDED TO SUPERSEDE LOCAL GOVERNMENT AND AGENCY REQUIREMENTS

SANITARY SEWER NOTES

1. ALL MANHOLES SHALL HAVE A MINIMUM DIAMETER OF 48 INCHES AND A MINIMUM ACCESS DIAMETER OF 22 INCHES.

2. PIPE LENGTHS SHOWN REPRESENT SCALED DISTANCES BETWEEN MANHOLE CENTERLINE.

3. SANITARY SERVICE LATERALS SHALL BE 8-INCH DIAMETER PVC. LATERALS SHALL END WITH A CLEAN OUT AT RIGHT-OF-WAY LINE.

4. INVERTS OF SANITARY SERVICE LATERALS AT THEIR CONNECTION TO SANITARY MANHOLES SHALL BE NO MORE THAN ONE (1) FOOT ABOVE THE MANHOLE INVERT.

5. PRIOR TO PAVING, THE CONTRACTOR SHALL VERIFY THE BUILD SANITARY SERVICE SLOPES. MINIMUM SHALL BE IN ACCORDANCE WITH FOP MINIMUM CRITERIA BUILT FOR 8" PVC SEWER LINE SLOPE WILL BE 0.26%, FOR 12" PVC WILL BE 0.17% AND FOR 18" PVC WILL BE 0.12%. ANY LINE NOT MEETING MINIMUM SLOPE WILL BE REJECTED BY CONTRACTOR TO MEET THE MINIMUM SLOPE REQUIREMENT AT NO ADDITIONAL COST.

6. MARK LATERALS WITH 6" HIGH PEE OF 2" X 4" PLANK PAINTED ORANGE "W" LOT NUMBER CLEARLY MARKED AND A "S" IMPRESSED IN THE CURB.

7. LEAKAGE TESTS ARE SPECIFIED REQUIRING THAT:

- THE LEAKAGE EXPERIMENT OR INFILTRATION DOES NOT EXCEED 20 GALLONS PER 100 LINE FEET DIAMETER PER HOUR PER DAY FOR ANY SECTION OF THE SYSTEM.

- EXPLORATION OR INFILTRATION TESTS BE PERFORMED WITH A MINIMUM POSITIVE HEAD OF 2 FEET.

- AIR TESTS, AS A MINIMUM, CONFORM TO THE TEST PROCEDURE DESCRIBED IN ASTM C828 FOR CLAY PIPE, ASTM C828 FOR CONCRETE PIPE, ASTM F-1447 FOR PLASTIC PIPE, AND FOR OTHER WATERMAINS APPROPRIATE TEST PROCEDURES. AIR TESTING, IF SPECIFIED FOR CONCRETE SEWER MANHOLES, CONFORMS TO THE TEST PROCEDURES DESCRIBED IN ASTM C1244.

- MANHOLE LIFT HOLES AND GRADE ADJUSTMENT RINGS BE SEALED WITH NON-SHINKING MORTAR OR ANOTHER APPROPRIATE MATERIAL.

- INLET AND OUTLET PIPES BE JOINED TO THE MANHOLE WITH A GASETTED FLEXIBLE JOINT. JOINT CONNECTION - IF ANOTHER WATER-TIGHT JOINT CONNECTION ARRANGEMENT THAT ALLOWS DIFFERENTIAL SETTLEMENT OF THE PIPE AND MANHOLE WALL.

- WATER TIGHT MANHOLE COVERS BE USED WHEREVER THE MANHOLE TOPS MAY BE FLOODED BY STREET RUNOFF OF HIGH WATER.

- MINIMUM SEPARATION BETWEEN POTABLE WATER MAINS AND SANITARY HAZARDS (SANITARY SEWER, FORCE MAIN, STORM SEWER, REUSE WATER MAIN) SHALL BE MAINTAINED: A HORIZONTAL CLEARANCE OF TEN (10) FEET IN PARALLEL INSTALLATION AND 12 INCHES VERTICALLY AT CROSSINGS. SHALL A VERTICAL SEPARATION OF LESS THAN THAT SPECULATED BE REQUIRED, THE WATER LINE SHALL BE CONSTRUCTED OF 20 FEET OF PRESSURE-TIGHT JOINT DUCTILE IRON PIPE. IF THE REQUIRED 12 FT. HORIZONTAL CLEARANCE CANNOT BE MAINTAINED, THE SEWER MAIN SHALL BE PLACED IN A D.I.P. SLEEVE OR ENCASED IN CONCRETE IN ACCORDANCE WITH FOP SPECIFICATIONS.

12. PVC GRAVITY SEWER PIPE SHALL MEET ASTM D3034, SDR35.

13. ALL SANITARY SEWER PIPE SHALL BE COLORED GREEN.

14. FIRE/RIGID LINE ALL MANHOLES WHICH RECEIVE DISCHARGE FROM A FIREMAIN, INSTEAD OF 48 INCHES, SHALL BE 60 INCHES IN DIAMETER.

15. CONTRACTOR IS RESPONSIBLE FOR PROVIDING SERVICES AT EACH LOT. SERVICES SHALL BE 4" MIN. AND 4" MAX. COVER AT LOT CLEAN OUT.

THE UTILITY NOTES BELOW ARE PROVIDED AS MINIMUM REQUIREMENTS AND ARE NOT INTENDED TO SUPERSEDE LOCAL GOVERNMENT AND AGENCY REQUIREMENTS

RECLAIMED WATER NOTES

1. ALL RECLAIMED WATER PIPES SHALL BE INSTALLED USING PIPE CRITERIA. MAINS SHALL BE CLASS 52 D OF 24" 30" OF COVER IS PROVIDED AND CLASS 51 OF 30" 36" COVER IS PROVIDED.

2. PROVIDE 6" MINIMUM SEPARATION BETWEEN RECLAIMED WATER AND STORM PIPES AND A MINIMUM OF 3' OF COVER OVER THE RECLAIMED WATER MAIN. IN INSTALLED WHERE THERE ARE NO FIRE HYDRANTS IN CLOSE PROXIMITY TO PROVIDE FIRE PROTECTION, PER THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA 1, 16.4.3.1.5, UNDERGROUND WATER MAINS AND HYDRANTS ARE REQUIRED TO BE CONSTRUCTED WITH A MINIMUM OF 18 INCHES OF COVER IN SERVICE PER THE CONSTRUCTION WORK.

3. PER NFPA 1, 16.4.3.1.5, DURING CONSTRUCTION, CLEARANCES OF 7.5 FEET IN FRONT OF AND TO THE SIDES OF THE FIRE HYDRANT WITH A 4-FOOT CLEARANCE TO REAR MUST BE PROVIDED AND MAINTAINED AT ALL TIMES.

AS-HO GENERAL NOTES

1. SHOULD CONSTRUCTION PLANS INDICATE ADS PIPE MAY BE USED, ENGINEER SHALL BE NOTIFIED OF SUCH BY CONTRACTOR PRIOR TO MATERIAL ORDERING. ENGINEER SHALL BE PROVIDED WITH SPECIFICATIONS AND INSTALLATION METHODS PRIOR TO INSTALLATION.

2. WHERE ADS PIPE IS USED AS AN ALTERNATE TO REINFORCED CONCRETE PIPE, CONTRACTOR SHALL SUBMIT BIDD TO ENGINEER IN WRITING FOR REVIEW AND APPROVAL OF MATERIAL COST SAVINGS TO OWNER.

3. ADS PIPE SHALL NOT BE USED IN AREAS OF HIGH GROUNDWATER UNLESS PROPER AIR-APPROVED METHODS ARE USED TO MITIGATE FOR POTENTIAL FLUATATION AND ALIGNMENT SHIFTS. AN AUTHORIZED ADS REPRESENTATIVE SHALL INSPECT ALL SUCH AREAS.

4. PIPE SHALL MEET ALL GOVERNING LOCAL AUTHORITY REQUIREMENTS AS WELL AS THE FLORIDA DEPARTMENT OF TRANSPORTATION. CONTRACTOR SHALL PROVIDE WRITTEN PROOF OF ACCEPTANCE BY LOCAL GOVERNMENT FOR PIPE USE.

9. HYDROSTATIC TESTING OF THE RECLAIMED WATER DISTRIBUTION SYSTEM SHALL BE DONE IN ACCORDANCE WITH THE AWWA STANDARDS. HYDROSTATIC TESTING TO BE DONE IN ACCORDANCE WITH AWWA C400 FOR DUCTILE IRON PIPE AND M23 FOR PVC PIPE.

10. ALL RECLAIMED WATER HOSE BIBBS, HAND-OPERATED CONNECTIONS AND OUTLETS SHALL BE CONTAINED UNDERGROUND PIPE SERVICE VALVES AND SHALL BE APPROPRIATELY TAGGED OR LABELED TO WARN THE PUBLIC AND EMPLOYEES THAT THE WATER IS NOT INTENDED FOR DRINKING. ALL PIPING, PIPELINES, VALVES AND APPLICABLE AWWA STANDARDS SHALL BE PROHIBITED. RECOMMENDED INSTALLATION PROCEDURES FOR TRENCHES WILL BE REMOVED FOR A DEPTH OF AT LEAST 36 INCHES BELOW THE BOTTOM OF UNDERGROUND PIPE INSTALLED UNDER THIS PROJECT.

11. VALVES FOR RECLAIMED WATER HOSE BIBBS AND OUTLETS SHALL BE LOCKED OR REQUIRE A SPECIAL TOOL FOR OPERATION OF HOSE BIBBS AND OUTLETS.

12. LOW TRAJECTORY NOZZLES ARE REQUIRED WITHIN 100 FEET OF ANY OUTDOOR PUBLIC EATING, DRINKING OR BATHING FACILITY.

13. A RECLAIMED DUAL CHECK VALVE OR OTHER BACKFLOW PREVENTION DEVICE AS SPECIFIED BY THE SEWER/RECLAIMED WATER UTILITY COMPANY IS REQUIRED ON ALL POTABLE WATER LINES AT EACH RESIDENTIAL SITE WHICH IS SERVICED WITH RECLAIMED WATER.

14. SIGNS SHALL BE POSTED IN THE VICINITY OF PUBLIC RECLAIMED WATER RECLAIMED WATER IRRIGATION SYSTEMS, ADVISING THE PUBLIC THAT RECLAIMED WATER IS PRACTICES.

15. BOX COVERS FOR RECLAIMED WATER SYSTEM ELEMENTS (VALVES, METER, BIP/L, ETC.) SHALL, TO THE EXTENT REASONABLE, NOT BE INTERCHANGEABLE WITH BOX COVERS FOR WATER SYSTEM ELEMENTS.

16. RECLAIMED WATER SYSTEMS AND POTABLE WATER SYSTEMS SHALL NOT BE JOINTLY CONNECTED. AN AIR GAP OF TWO PIPE DIAMETERS IS REQUIRED BETWEEN SUCH WATERS.

17. THE WETTED EDGE OF AREAS IRRIGATION WITH RECLAIMED WATER SHALL NOT BE EXPOSED TO THE PUBLIC OR PRIVATE POTABLE WATER UTILITIES.

18. NO RECLAIMED WATER TRANSMISSION FACILITY/MAIN SHALL BE WITHIN 75 FEET OF ANY PUBLIC WATER SUPPLY WELL.

REMOVAL NOTES

1. CONTRACTOR SHALL REMOVE ALL WASTE MATERIAL FOR DISPOSAL OFF-SITE. DISPOSAL SHALL CONFORM TO ALL APPLICABLE REGULATIONS.

2. EXISTING UNDERGROUND UTILITIES, UNLESS OTHERWISE NOTED, MAY BE CAPTURED/PLUGGED AND ABANDONED IN PLACE EXCEPT WITHIN 30 FT. OF BUILDING. CAPPED AND PLUGGED PIPE ENDS SHALL BE ENCASED IN CONCRETE, 6" MINIMUM THICKNESS AROUND PIPE. REMAINING BASES MAY BE LEFT IN PLACE PROVIDED THAT PIPE OPENINGS ARE PLUGGED AND REMAINING BASES ARE FILLED WITH CONCRETE 6" MINIMUM ABOVE HIGHEST INVERT.

3. ANY MATERIALS CLAIMED AS SALVAGE BY OWNER EITHER IN THE FIELD OR IN THE DRAWINGS SHALL BE STOCKPILED FOR OWNER'S REMOVAL.

4. CONTRACTOR SHALL BE KNOWLEDGEABLE OF THE CONSTRUCTION DOCUMENTS AND BE RESPONSIBLE FOR PROTECTING ANY EXISTING FACILITY SO DESIGNATED OR DESIGNATED TO BE USED IN THE FUTURE.

5. CONTRACTOR SHALL REMOVE ALL FOUNDATIONS, CONCRETE SLABS, AND UNDERGROUND STRUCTURES EXISTING ON THE SITE AT THE TIME OF BIDDING UNLESS OTHERWISE DIRECTED.

6. CONTRACTOR SHALL COORDINATE WITH APPLICABLE UTILITY COMPANIES AND BE RESPONSIBLE FOR THE TERMINATION, CAPPING OFF AND REMOVAL OF ALL UNDERGROUND AND ABOVE-GROUND UTILITY SERVICES EXISTING AT THE TIME OF BIDDING UNLESS OTHERWISE DIRECTED TO DO OTHERWISE.

7. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND DISPOSING ALL WASTE MATERIALS AND REMAINING BASES WITH ALL RULES AND REGULATIONS APPLICABLE TO THE SPECIFIC MATERIAL FOUND.

ABANDON

1. THE CONTRACTOR SHALL INSTALL, AS PART OF THE INFRASTRUCTURE AND PRIOR TO CERTIFICATE OF COMPLETION, DUMP CURBS, STRIPS AND HANDCAP RAMPS AT ALL INTERSECTIONS OF SIDEWALKS WITH THE PROPOSED PAVEMENT TO MEET STATE OF FLORIDA ACCESSIBILITY CODE AND FEDERAL A.D.A. SPECIFICATIONS.

2. PAVEMENT GRADING OVER HANDICAPPED PARKING SPACES SHALL NOT EXCEED 2% IN ANY DIRECTION EXCEPT AT RAMPS. (NOTE: RAMP LENGTHS MAY EXCEED 4 FEET.)

3. PROPOSED AND EXISTING SIDEWALKS SHALL BE RAMMED FLOSH WITH PAVEMENT. RAMPS SHALL NOT EXCEED SLOPES OF 1:12 HORIZONTAL TO 1 VERTICAL. RAMP LENGTHS REQUIRED MAY EXCEED 6 FT.)

4. WHERE SIDEWALK RAMPS CONNECT TO MAJOR CURBS, THE SLOPE OF THE MAJOR CURB SHALL BE NO MORE THAN 1:12 TO 1:20 CONFORM WITH FLORIDA FEDERAL REGULATORY REQUIREMENTS. TWO FT. LONG CURB TRANSITIONS SHALL BE LAID AT EACH SIDE OF THE RAMP.

5. WHERE RAMPS ARE POURED ADJACENT TO EXISTING MAJOR CURB, THE CURB SHALL BE REMOVED, FOR A DISTANCE EXTENDING TWO FT. BEYOND EACH END OF THE WALK AND RECONSTRUCTED.

6. SIDEWALK RAMPS SHALL INCLUDE DETECTABLE WARNINGS THAT ARE TEXTURED IN CONFORMANCE WITH FOOT STANDARDS EXCEPT WHERE LOCAL CODES DICTATE OTHERWISE. CONTRACTOR SHALL COORDINATE WITH LOCAL AUTHORITY FOR PRE-POUR INSPECTION PRIOR TO ANY SIDEWALK AND/OR RAMP CONCRETE POURS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THAT ALL RAMP TOP SURFACES AND SIDEWALK CONCRETE, AND CROSS SLOPES ARE IN CONFORMANCE WITH LOCAL, STATE AND FEDERAL ADA AND FAIR HOUSING ACT STANDARDS.

7. CONTRACTOR SHALL COORDINATE WITH ENGINEER FOR PRE-POUR INSPECTION PRIOR TO ANY SIDEWALK AND/OR CURB RAMP CONCRETE POURS.

8. ALL MANHOLE, PULL BOX, BOXITY VALVE, VALVE, OR OTHER COVERS LOCATED WITH SIDEWALKS AND CROSSWALKS SHALL BE ADA COMPLIANT.

FIRE PROTECTION NOTES

1. MAINS DESIGNATED AS FIRE PROTECTION SHALL BE INSTALLED BY A FLORIDA LICENSED FIRE PROTECTION ENGINEER AND REVIEWED FOR CONFORMANCE BY A LICENSED FIRE PROTECTION ENGINEER.

2. FIRE HYDRANTS SHALL BE INSTALLED AND IN SERVICE PRIOR TO THE ACCUMULATION OF COMBUSTIBLES.

3. IN INSTALLED WHERE THERE ARE NO FIRE HYDRANTS IN CLOSE PROXIMITY TO PROVIDE FIRE PROTECTION, PER THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA 1, 16.4.3.1.5, UNDERGROUND WATER MAINS AND HYDRANTS ARE REQUIRED TO BE CONSTRUCTED WITH A MINIMUM OF 18 INCHES OF COVER IN SERVICE PER THE CONSTRUCTION WORK.

4. PER NFPA 1, 16.4.3.1.5, DURING CONSTRUCTION, CLEARANCES OF 7.5 FEET IN FRONT OF AND TO THE SIDES OF THE FIRE HYDRANT WITH A 4-FOOT CLEARANCE TO REAR MUST BE PROVIDED AND MAINTAINED AT ALL TIMES.

EMERGENCY WASTEWATER OILY AND WATER MAIN BREAK PROCEDURES

1. EXCAVATING CAUTIONS:

- 1.1. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING IN THE PROXIMITY OF WASTEWATER FORCE MAINS AND GRAVITY WATER FORCE MAINS AND SEWER LOCATIONS SHOWN ON PLANS ARE NOT EXACT OR GUARANTEED. CONTRACTOR IS RESPONSIBLE FOR FLEED VERTICALLY EXISTING UTILITY LOCATIONS.

2. TELEPHONE NOTIFICATION:

- 2.1. THE CITY OF APOPKA OPERATOR SHALL BE NOTIFIED IMMEDIATELY IN THE EVENT OF A FORCE MAIN, GRAVITY SEWER OR WATER MAIN BREAK OR DAMAGE AT (407) 703-1373. THE CITY DISPATCH CAN BE REACHED AT (407) 703-1297.

3. REPAIR IMMEDIATELY ALL DAMAGE TO CITY OF APOPKA MAINS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. IF THE

5. ADS PIPE PREVIOUSLY STORED IN OUTDOOR CONDITIONS SHALL BE DISCLOSED TO ENGINEER FOR THIRD PARTY REVIEW OF PIPE PRIOR TO ACCEPTANCE FOR USE.

6. ALL INSTALLED PIPE IS SUBJECT TO MANHOLE TESTING PRIOR TO ACCEPTANCE.

7. IN MUNICIPALITIES WHERE ADS PIPE IS NOT ALLOWED IN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR MAY USE ADS PIPE IN PRIVATE, NON-PUBLIC AREAS WITH ENGINEER'S PERMISSION.

8. PIPE TO 48" (WHERE DESIGNATED) SHALL ADS HOPE N-12 SMOOTH INTERIOR POLYURETHANE AWWA STANDARDS. PIPE AND FITTINGS SHALL BE MADE OF VIRGIN PE COMPOUNDS WITH CONFORM WITH THE REQUIREMENTS OF CELL CLASS 32442C AND 32442C AND 32442C AND 32442C.

9. THE HOPE FITTINGS SHALL NOT BE USED TO REPAIR THE OVERALL INTEGRITY OR FUNCTION OF THE PIPE LINE. FITTINGS MAY BE EITHER MOLDED OR FABRICATED. THE FITTINGS MAY BE INSTALLED BY VARIOUS METHODS, SUCH AS SNAP-ON, SCREW ON, BELL & SPOUT AND WRAP AROUND. COUPLINGS SHALL PROVIDE SUFFICIENT LONGITUDINAL STRENGTH TO PRESERVE PIPE ALIGNMENT AND PREVENT SEPARATION AT THE JOINTS. ONLY FITTINGS SUPPLIED OR RECOMMENDED BY THE PIPE MANUFACTURER SHALL BE USED, WHERE DESIGNATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER IN THE FIELD, A NEOPREN OR RUBBER GASKET SHALL BE SUPPLIED.

10. PIPE SHALL BE INSTALLED BY A CONTRACTOR WHO HAS BEEN CERTIFIED BY ADS OR SHALL BE INSTRUCTED BY A CERTIFIED ADS REPRESENTATIVE TO DO SO.

11. A REPRESENTATIVE OF ADS SHALL INSPECT FROM TIME TO TIME THE INSTALLATION OF THE PIPE.

12. HP MANHOLE STRUCTURES WILL NOT BE ALLOWED FOR USE WITHOUT ENGINEER'S PRE-AUTHORIZATION.

GENERAL SPECIFICATIONS

SCOPE

- THIS SPECIFICATION DESCRIBES 12" THROUGH 60-INCH (300 TO 1500 MM) ADS PIPE FOR USE FOR THE FOLLOWING: FLOW STORM DRAINAGE WATER UTILITIES.

PIPE REQUIREMENTS

- 12" THROUGH 30-INCH (300 TO 750 MM) PIPE SHALL HAVE A SMOOTH INTERIOR AND ANNUAL EXTERIOR CORRUGATIONS, AND MEET OR EXCEED ASTM F2738 AND AASHTO M330.

- 36" THROUGH 60-INCH (900 TO 1500 MM) PIPE SHALL HAVE A SMOOTH INTERIOR AND ANNUAL EXTERIOR CORRUGATIONS AND MEET OR EXCEED ASTM F2781 AND AASHTO M330.

- MANNNING'S "N" VALUE FOR USE IN DESIGN SHALL BE 0.012.

JOINT PERFORMANCE

- PIPE SHALL BE JOINED WITH A DIAPHRAGM BELLS AND SPOUT JOINT. THE REQUIREMENTS OF ASTM F2738 OR F2781, FOR THE RESPECTIVE DIAMETERS.

- 12" THROUGH 30-INCH (300 TO 750 MM) PIPE SHALL BE WATER TIGHT ACCORDING TO THE REQUIREMENTS OF ASTM D3121. SPOUTS SHALL HAVE GASKETS MEETING THE REQUIREMENTS OF ASTM D3121. GASKETS SHALL BE INSTALLED BY THE PIPE MANUFACTURER AND COVERED WITH A REMOVABLE, PROTECTIVE WARP TO ENSURE THE GASKET IS FREE FROM DAMAGE. A JOINT LUBRICANT AVAILABLE FROM THE MANUFACTURER SHALL BE USED ON THE GASKET AND BELL DURING THE INSTALLATION.

- 12" THROUGH 30-INCH (300 TO 750 MM) DIAMETERS SHALL HAVE A REINFORCED BELL WITH A POLYMER COMPOSITE BAND INSTALLED BY THE MANUFACTURER.

FITTINGS

- FITTINGS SHALL CONFORM TO ASTM F2738, ASTM F2781, AND AASHTO M330, FOR THE RESPECTIVE DIAMETERS. BELL & SPOUT CONNECTIONS SHALL UTILIZE A SPLUN, WELDED OR INTERGRAL BELL AND SPOUT WITH GASKETS MEETING THE REQUIREMENTS OF ASTM D3121. SPOUTS SHALL BE INSTALLED BY THE PIPE MANUFACTURER AND COVERED WITH A REMOVABLE, PROTECTIVE WARP TO ENSURE THE GASKET IS FREE FROM DAMAGE. A JOINT LUBRICANT AVAILABLE FROM THE MANUFACTURER SHALL BE USED ON THE GASKET AND BELL DURING THE INSTALLATION.

FIELD PIPE CONNECTIONS

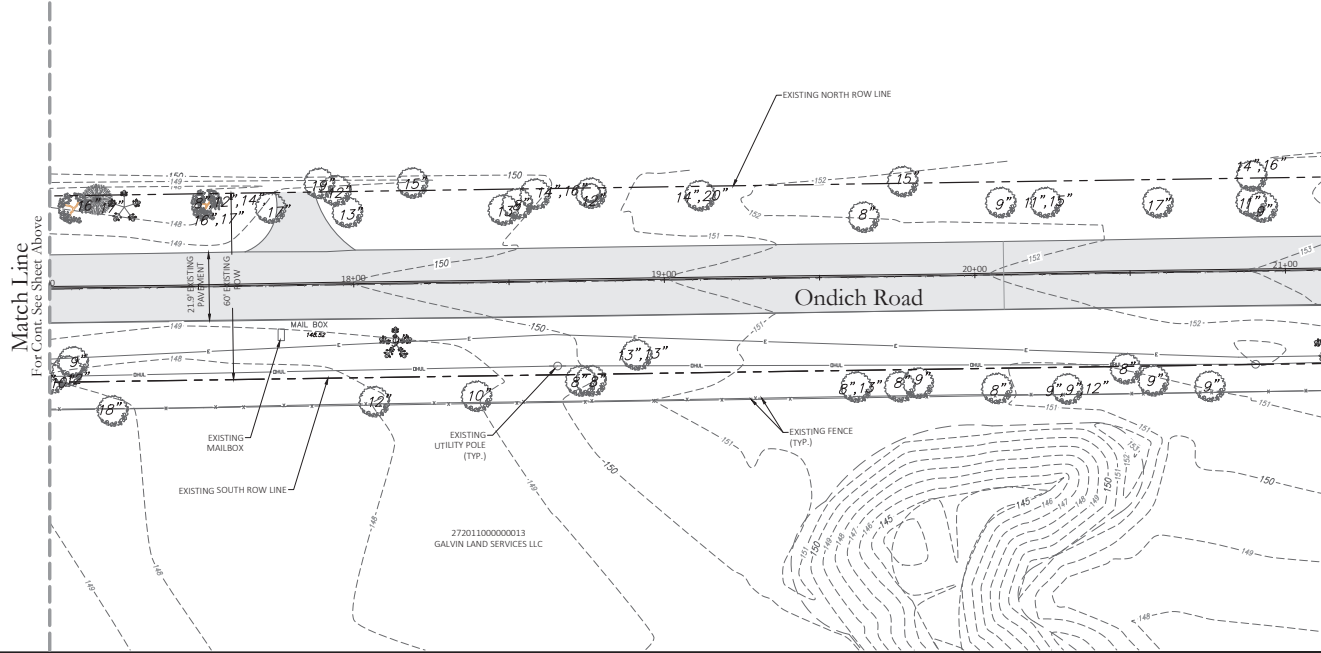
- TO ASSURE WATER TIGHTNESS, FIELD PERFORMANCE VERIFICATION MAY BE ACCOMPLISHED BY TESTING IN ACCORDANCE WITH ASTM F1431 OR ASTM F2487. THE USE OF SAFETY PRECAUTIONS MUST BE USED WHEN TESTING ANY PIPE MATERIAL. CONTACT THE MANUFACTURER FOR RECOMMENDED LEAKAGE TEST PROCEDURES.

MATERIAL PROPERTIES

- POLYPROPYLENE COMPOUND FOR PIPE AND FITTINGS PRODUCTION SHALL BE GRADE 5040V. RECOMMENDED POLYPROPYLENE COMPOUND SHALL CONFORM TO CLASS 1, CLASS 2 (MINIMUM 90% SPO) OR CLASS 3 (MINIMUM 90% SPO) MATERIAL. MAXIMUM FILL RIGIDS PERFORM ON EMBARKMENT MATERIAL AND COMPACTION LEVEL, PLEASE REFER TO ADS TECHNICAL INFORMATION. CONTRACTOR TO CONTACT ADS FOR A COPY OF THE LATEST TECHNICAL GUIDELINES.

INSTALLATION

- INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D3121 AND ADS RECOMMENDED INSTALLATION GUIDELINES, WITH THE EXCEPTION THAT MINIMUM COVER IN TRAFFIC AREAS FOR 12" THROUGH 48-INCH (300 TO 1200 MM) DIAMETERS SHALL BE ONE FOOT (303 MM) AND FOR 60-INCH (1500 MM) DIAMETERS, THE MINIMUM COVER SHALL BE 2 FT. (603 MM) IN SINGLE RUN APPLICATIONS. BACKFILL FOR MINIMUM COVER SITUATIONS SHALL CONSIDER CLASS 1, CLASS



Legend	
Symbol	Description
— — — — —	EXISTING ROW
—X—	EXISTING FENCE
—E—	EXISTING ELECTRIC LINE
—OHL—	EXISTING OVERHEAD WIRE
	EXISTING TREE
	EXISTING UTILITY POLE
	EXISTING MAILBOX
	EXISTING GUY WIRE
	EXISTING TELEPHONE RISER

† Key Maps:

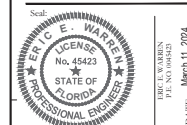
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**Crossroads at
Kelly Park
Ondich Road
Improvements**

Jurisdiction:
ORANGE COUNTY, FL

Sheet Title:
**EXISTING
CONDITIONS PLAN**

Sheet No.: **C1.00**



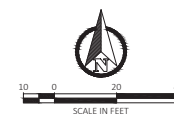
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Erosion Legend	
Symbol	Description
	PROPERTY BOUNDARY
	SILT FENCE (SILT FENCE TO BE INSTALLED PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITIES)
	DOUBLE SILT FENCE (SILT FENCE TO BE INSTALLED PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITIES)
	MAJOR CONTOUR
	MINOR CONTOUR
	PROPOSED DISTURBED AREA
	CONSTRUCTION ENTRANCE
	INLET PROTECTION
	STORM PIPE
	STORM MANHOLE
	INLET
	MITERED END SECTION

DISTURBED AREA
0.96 Ac.

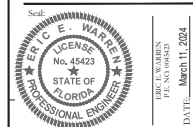
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**Crossroads at
Kelly Park
Ondich Road
Improvements**

Jurisdiction:
ORANGE COUNTY, FL

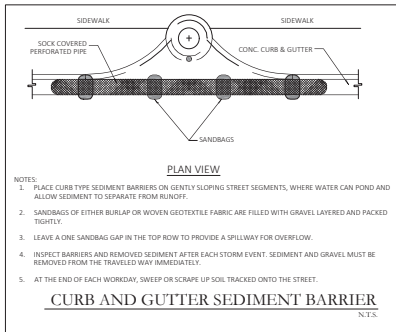
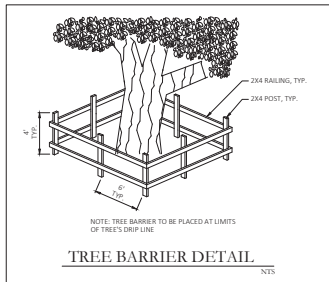
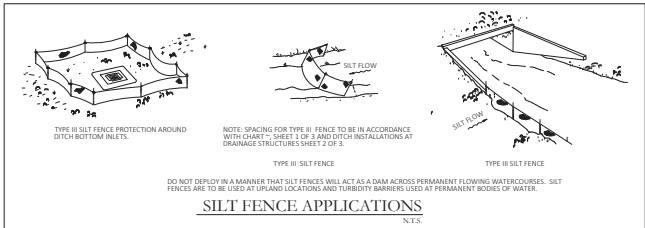
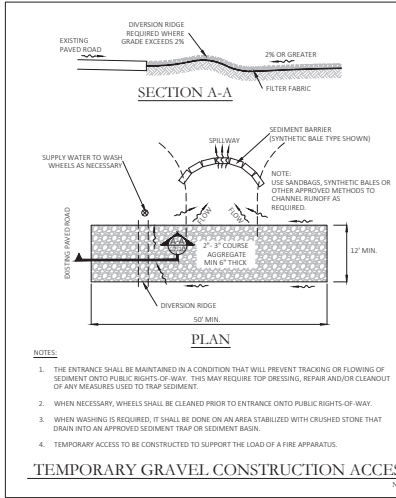
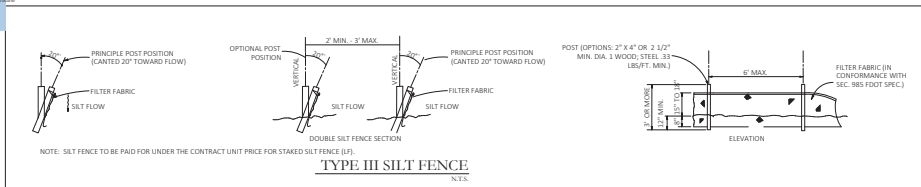
Sheet Title:
**EROSION CONTROL
PLAN**

Sheet No.: **C1.10**

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- EROSION CONTROL NOTES:**
1. DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO ENSURE AGAINST POLLUTING, SILTING OR DISTURBING TO SUCH AN EXTENT AS TO CAUSE AN INCREASE IN TURBIDITY TO THE EXISTING SURFACE WATERS, INCLUDING WETLANDS. SUCH MEASURES SHALL BE APPROVED BY THE PROJECT ENGINEER AND MAY INCLUDE, BUT NOT LIMITED TO, CONSTRUCTION OF TEMPORARY EROSION CONTROL STRUCTURES, SUCH AS SEDIMENT BASINS, SEDIMENT CHECKS, OR SILT BARRIERS.
 2. 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 WATER. ALL ACCUMULATED SEDIMENT MUST BE REMOVED FROM THE STORAGE AREA PRIOR TO FINAL GRADING AND STABILIZATION.
 3. IF DURING CONSTRUCTION, THE PROPOSED EROSION CONTROL SYSTEM DOES NOT PERFORM SATISFACTORILY, ALTERNATIVES AND ADDITIONAL METHODS OF PROTECTION SHALL BE IMPLEMENTED BY THE CONTRACTOR IN ORDER TO COMPLY WITH WMD AND COUNTY EROSION PROTECTION STANDARDS. CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL EROSION CONTROL COSTS INCLUDING ANY COSTS ASSOCIATED WITH COMPLIANCE ISSUES AND ENFORCEMENT ACTIONS.
 4. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DETAILED EROSION CONTROL PLAN TO COUNTY FOR REVIEW AND APPROVAL A MINIMUM OF 7 WORKING DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING. THE EROSION CONTROL PLAN SHALL PROPOSE SILT SCREEN OR SYNTHETIC HAY BALES AND TURBIDITY BARRIERS, IN ACCORDANCE WITH THE CONSTRUCTION PLANS.
 5. 2" STRIP OF SOD SHALL BE PLACED BEHIND BACK OF CURB.
 6. ALL PERMANENT EROSION CONTROL MEASURES SHALL BE COMPLETED WITHIN 7 DAYS OF FINAL GRADING. ALL TEMPORARY EROSION CONTROL SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE COMPLETED AND ESTABLISHED. CONTRACTOR SHALL REFER TO COUNTY LOC. FOR PERMANENT EROSION CONTROL MEASURES REQUIRED BY COUNTY.
 7. AT A MINIMUM SILT BARRIERS SHALL BE PLACED AS SHOWN ON THE CONSTRUCTION PLANS TO ENSURE AGAINST POLLUTING, SILTING OR DISTURBING TO SUCH AN EXTENT AS TO CAUSE AN INCREASE IN TURBIDITY, OR DISCHARGE OF MATERIAL OFFSITE OR TO EXISTING WETLANDS. IF DURING CONSTRUCTION, THE PROPOSED EROSION CONTROL SYSTEM DOES NOT PERFORM SATISFACTORILY, ALTERNATIVES AND ADDITIONAL MEASURES SHALL BE IMPLEMENTED BY THE CONTRACTOR IN ORDER TO COMPLY WITH COUNTY AND WMD EROSION PROTECTION STANDARDS.
 8. CONTRACTOR IS RESPONSIBLE FOR PREPARING, OBTAINING THE STORMWATER NFI, AND ACHIEVING TO THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH THE FLORIDA STORMWATER, EROSION, AND SEDIMENTATION CONTROL INSPECTORS MANUAL PUBLISHED BY FDEP.
 9. CONTRACTOR SHALL STAKE IN ALL SOD UNTIL SUCH TIME THAT GROUND IS STABILIZED IN ORDER TO PREVENT EROSION.
 10. WORK SHALL BE DONE IN ACCORDANCE WITH EPA, FDEP, WMD, AND COUNTY BEST MANAGEMENT PRACTICES AND EROSION CONTROL SPECIFICATIONS.
 11. THE CONTRACTOR MUST PERFORM ALL WORK IN ACCORDANCE WITH THE STORMWATER POLLUTION PLAN FOR THE PROJECT.
 12. CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL EROSION PROTECTION COSTS, INCLUDING ANY COST ASSOCIATED WITH COMPLIANCE ISSUES AND ENFORCEMENT ACTIONS.
 13. NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE TO ANY ADJACENT WATERBODY OR STORMWATER COLLECTION FACILITY PER LOC.
 14. ENTIRE SURFACE WATER IMPACT/WETLAND IMPACT AREAS WILL BE DEWATERED AND ALL UNSUITABLE SUBSOILS SUCH AS MUCK, CLAY AND/OR ROCK WILL BE EXCAVATED AND REMOVED BEFORE PLACING OF FILL.
 15. ONLY SUITABLE MATERIALS AS APPROVED BY A PROFESSIONAL GEOTECHNICAL ENGINEER SHALL BE USED FOR THE WETLAND AND/OR SURFACE WATER FILL AND SHALL BE DONE IN LAYERS NOT EXCEEDING 12" IN THICKNESS AND COMPACTED TO A 95% MAX DENSITY PER AASHTO T-180.
 16. THE CONTRACTOR SHALL EMPLOY DUST CONTROL MEASURES ACCORDING TO BEST MANAGEMENT PRACTICES, COUNTY SPECIFICATIONS, AND DEEP REGULATIONS.
 17. THE CONTRACTOR SHALL REFER TO THE CONSTRUCTION DEWATERING OPERATIONS REPORT PREPARED BY GEOTECHNICAL ENGINEER AND THE INCLUDED DEWATERING OPERATIONS PLAN (DWP-1) AND DEWATERING DETAILS & NOTES (DWP-2).
 18. THE CONTRACTOR SHALL ENSURE ALL SOILS EXPOSED DURING SITE OPERATIONS SHALL BE STABILIZED AND ENSURE RUNOFF AND SITUATION SHALL BE DIRECTED TO TEMPORARY SEDIMENT BASIN AND/OR SEDIMENT TRAPS IN SUCH A MANNER AS TO PREVENT OFF-SITE IMPACTS PER COUNTY LOC.
 19. CLEARING AND GRUBBING SHALL BE PERFORMED IN ACCORDANCE WITH COUNTY STANDARDS AND SPECIFICATIONS AND THE LATEST EDITION OF FOOT STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION.
 20. CONTRACTOR SHALL COORDINATE WITH ENVIRONMENTAL CONSULTANT TO ENSURE SUFFICIENT PROTECTION AND/OR MITIGATION IS IN PLACE FOR PROTECTED LANDS, FLORA, AND FAUNA.
- DUST ABATEMENT NOTE:**
- CONTRACTOR SHALL PROVIDE DUST CONTROL USING WATER TRUCKS FILLED WITH DEWATERED WATER AND USED AS NEEDED TO CONTROL DUST. THE WATERING TRUCK SHALL BE MAINTAINED ON-SITE FOR IMMEDIATE DEPLOYMENT AT THE DISCRETION OF THE OPERATOR.

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Project Name:	
Crossroads at Kelly Park Ondich Road Improvements	

Jurisdiction:
ORANGE COUNTY, FL

Sheet Title:
EROSION CONTROL DETAILS

Sheet No.: **C1.11**

Scale:

ERIC E. WARREN
Professional Engineer
No. 45423
State of Florida
P.E. No. 104543

DATE: March 11, 2024

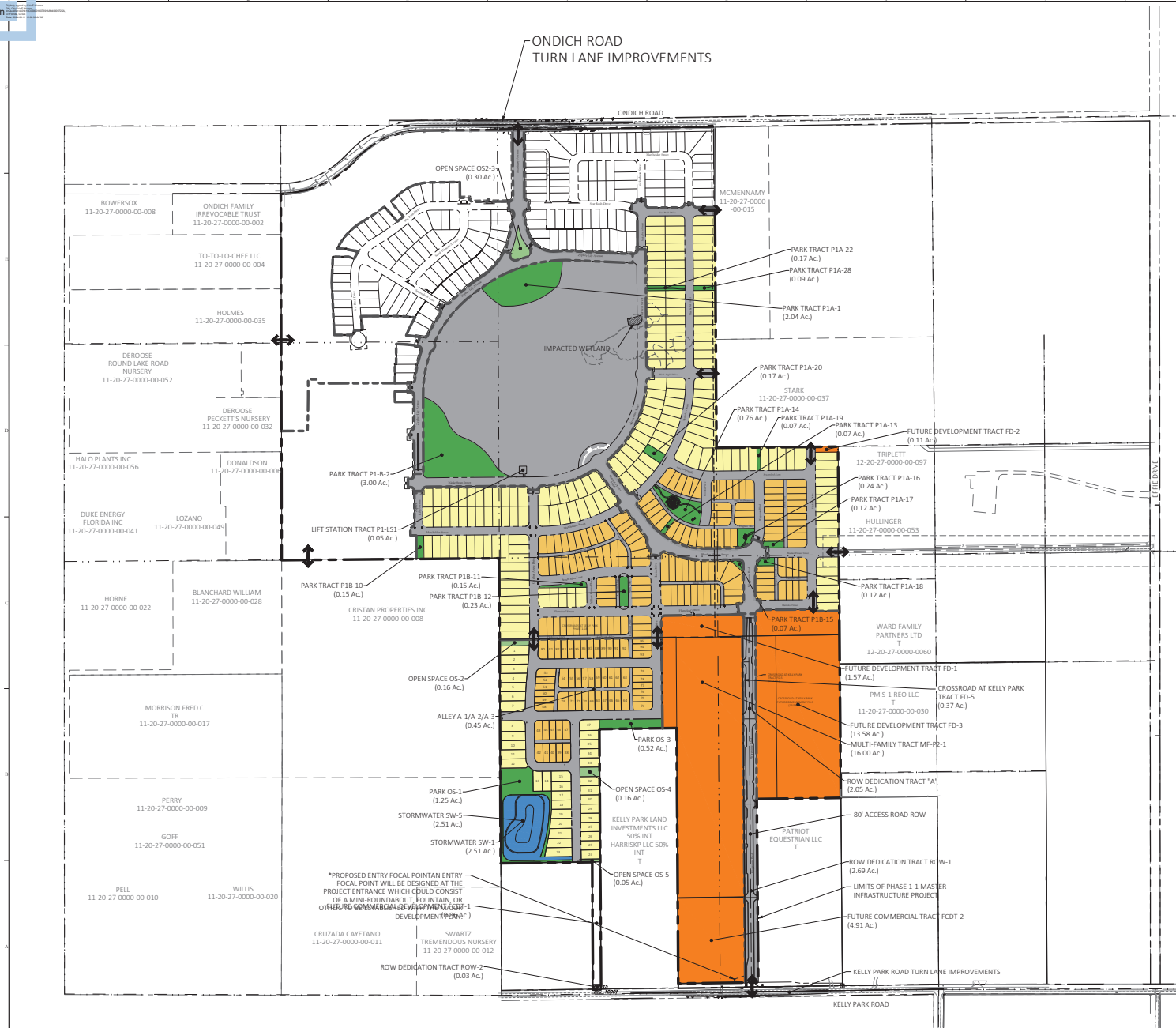
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LEGEND

- MASTER PLAN BOUNDARY
- PHASE LINE
- RIGHT-OF-WAY
- LOT LINE
- FULL ACCESS
- 52' x 110' MIN. LOTS
- 40' x 110' MIN. ALLEY LOTS
- OPEN SPACE
- PARK
- FUTURE DEVELOPMENT
- IMPACTED WETLAND

Key Map:

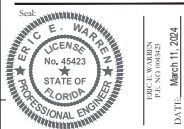
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Project Name:
**Crossroads at
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Improvements**

Jurisdiction:
ORANGE COUNTY, FL

Sheet Title:
MASTER SITE PLAN

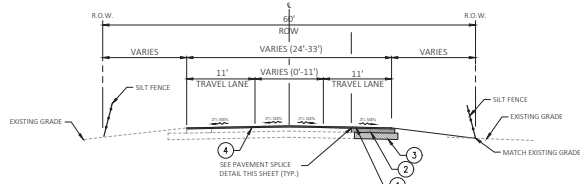
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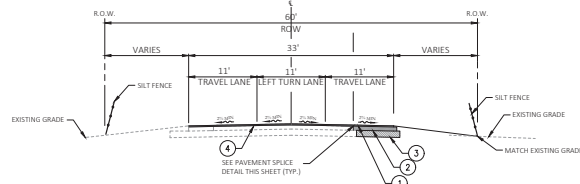
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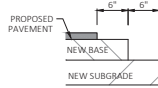
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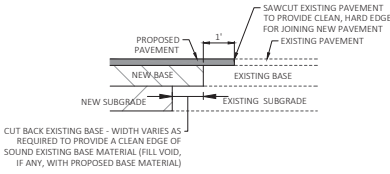
A Ondich Road Typical Widening Transition Detail
STA 13+11.86 THRU 15+47.37
STA 17+79.79 THRU 20+08.69
N.T.S.



B Ondich Road Typical Left Turn Detail
STA 16+33.69 THRU 17+79.79
N.T.S.

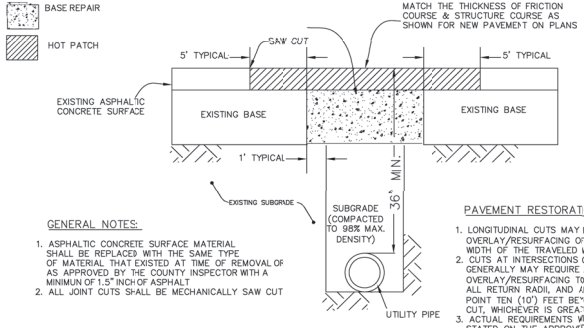


TYPICAL EDGE OF PAVEMENT DETAIL
N.T.S.



TYPICAL PAVEMENT SPICE DETAIL
N.T.S.

- NOTE:**
1. SUB-GRADE CUT TO BE COMPACTED TO 98% MAX. DENSITY AS DETERMINED BY AASHTO T - 180.
 2. CUT TO BE REPLACED WITH CONCRETE, HIGH EARLY, RCA OR LIMEROCK FOR BASE REPAIR MATCHING EXISTING CONDITIONS AS APPROVED BY COUNTY INSPECTOR.
 3. CUT AREA TO BE PLATED OR PROTECTED ON DAY OF POUR.
 4. EXISTING SURFACE TO BE SAW CUT TO AN AREA FIVE (5') FEET, BEYOND THE BASE CUT.
 5. NEW ROAD'S OR OTHERS CONDITIONS MAY REQUIRE MORE THAN 5' REPAIR ON EACH SIDE.
 6. PERMANENT REPAIR SHOULD EXTEND MIN OF 25' ON EACH SIDE OF THE OPEN CUT.



- GENERAL NOTES:**
1. ASPHALTIC CONCRETE SURFACE MATERIAL SHALL BE REPLACED WITH THE SAME TYPE OF MATERIAL THAT EXISTED AT TIME OF REMOVAL OF AS APPROVED BY THE COUNTY INSPECTOR WITH A MINIMUM OF 1.5" INCH OF ASPHALT
 2. ALL JOINT CUTS SHALL BE MECHANICALLY SAW CUT

- PAVEMENT RESTORATION:**
1. LONGITUDINAL CUTS MAY REQUIRE OVERLAY/RESURFACING OF THE COMPLETE WIDTH OF THE TRAVELED WAY.
 2. CUTS AT INTERSECTIONS OF STREETS GENERALLY MAY REQUIRE A COMPLETE OVERLAY/RESURFACING TO THE END OF ALL RETURN RADII, AND ALSO TO A POINT TEN (10') FEET BEYOND THE CUT, WHICHEVER IS GREATER.
 3. ACTUAL REQUIREMENTS WILL BE AS STATED ON THE APPROVED PERMIT OR AS DIRECTED BY INSPECTION.

STANDARD ROADWAY OPENCUT CROSS SECTION DETAIL
FINAL RESTORATION - TYPICAL OF MAJOR OPEN CUTS

Pavement Legend	
Symbol Id.	Description
①	2.5" (IN.) TYPE SP-12.5 ASPHALT (TRAFFIC C) (SEE NOTE 1)
②	10" (IN.) LIMEROCK BASE COMPACTED TO A MIN. DENSITY OF 98% OF MODIFIED PROCTOR DRY DENSITY A MIN. LBR OF 100. THE LIMEROCK MATERIAL SHALL COMPLY WITH THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE CONSTRUCTION SPECIFICATIONS.
③	12" (IN.) COMPACTED SUBGRADE TO 98% MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D 1557) VALUE. THE UPPER 6" (IN.) OF SUBGRADE SHALL BE STABILIZED TO A MIN. LBR OF 40 AS SPECIFIED BY FDOT AND FBV OF 50 PSL.
④	MILL EXISTING PAVEMENT 1.5" (IN.) & RESURFACE WITH 1.5" (IN.) SP-12.5 ASPHALT TYPE C (SEE NOTE 1), ALONG WITH SLOPE CORRECTION.

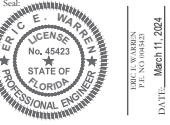
- NOTES:**
1. ASPHALT NEW WILL REQUIRE A MIX DESIGN APPROVAL BY ORANGE COUNTY.
 2. THE ABOVE PAVEMENT THICKNESS IS THE MINIMUM REQUIRED THICKNESS. CONTRACTORS SHALL BE RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT WHERE TESTING RESULTS DO NOT MEET THE MINIMUM REQUIRED THICKNESS.
 3. SEE UNIVERSAL ENGINEERING SCIENCES REPORT NO. 193991003 DATED JUNE 6, 2023 FOR PAVEMENT RECOMMENDATION.

05/11/2024 SUBMIT TO ORANGE COUNTY
NO. DATE DESCRIPTION
SUBMISSIONS REVISIONS
VERTICAL DATUM NAVD 88
JOB NO. 21-027B
DESIGNED BY: TV
DRAWN BY: TV/PV
CHECKED BY: EW
APPROVED BY: MDS
SCALE IN FEET: NTS
Project Name:
**Crossroads at
Kelly Park
Ondich Road
Improvements**

Jurisdiction:
ORANGE COUNTY, FL

Sheet Title:
**TYPICAL
ROAD SECTIONS
& DETAILS**

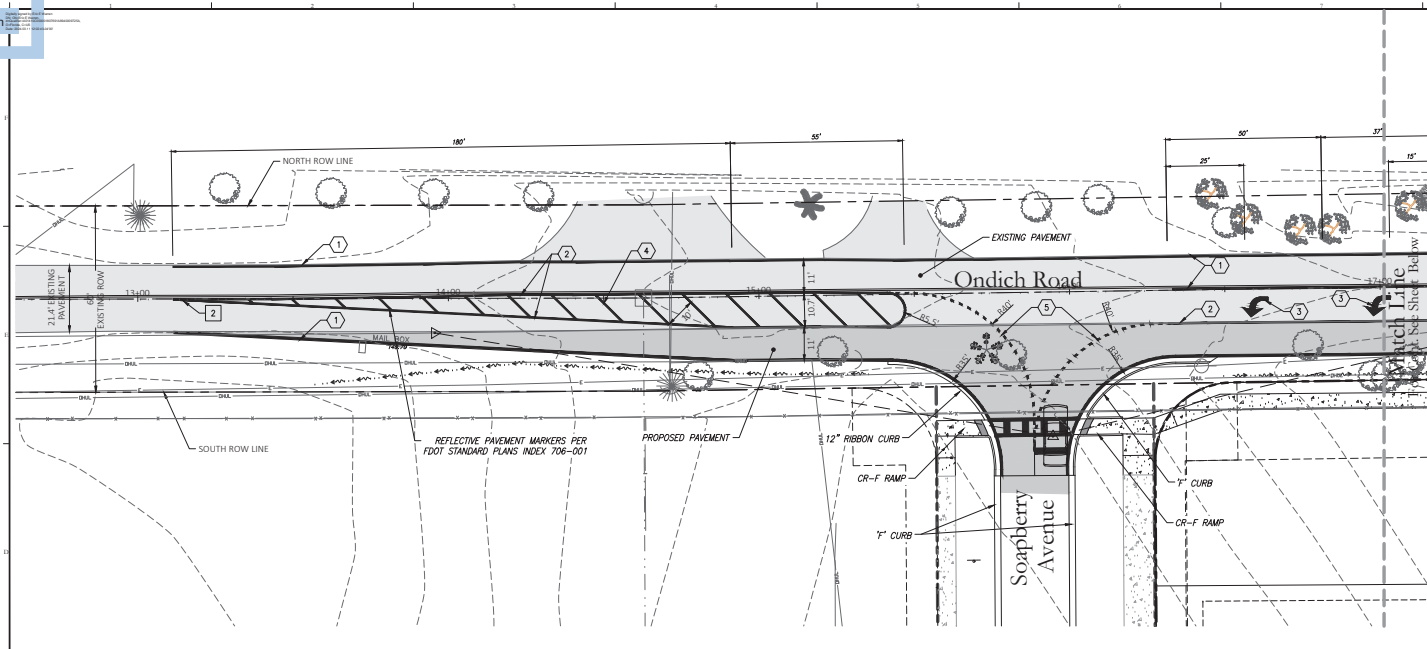
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C3.00



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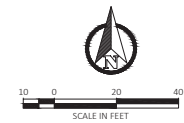
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2602 E. Livingston St., Orlando, FL 32803
Tel. 407.467.2594 www.poulosandbennett.com
Eng. Bus. No. 28567



- NOTES:
1. ALL STRIPING & SIGNAGE PER FDOT STANDARDS & SPECIFICATIONS 2022-23 EDITION, MUTCD & ORANGE COUNTY ROAD CONSTRUCTION SPECIFICATIONS, UNLESS OTHERWISE SPECIFIED.
 2. ALL STRIPING SHALL BE THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
 3. ALL PAVEMENT MARKINGS MUST COMPLY WITH FDOT INDEX 711-001.
 4. SIGNS WILL NOT BE INSTALLED WITH CONCRETE.
 5. STREET SIGNS POSTS TO BE SQUARE GALVANIZED STEEL AND HOLES SHALL BE CORED. 2 INCH SQUARE GALVANIZED POLES SHALL BE PRE-SCORED OR QUICK PUNCH.
 6. ALL TRAFFIC CONTROL SIGNS WITHIN THE RIGHT-OF-WAY SHALL BE MANUFACTURED USING DIAMOND GRADE REFLECTIVE SHEETING. ALL SIGNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH MUTCD AND ORANGE COUNTY CRITERIA FOR SIGN SIZE AND SHAPE AND LETTERING DIMENSIONS.
 7. GUARDRAIL IS A SYMBOLIC GRAPHIC REPRESENTATION. CONTRACTOR SHALL REFER TO FDOT STANDARDS PLAN 536-001 FOR INSTALLATION OFFSETS, POST SPACING, ETC.

- SIGN & STRIPING LEGEND:
- 1 6" WHITE STRIPE PER FDOT STANDARD PLANS 711-001 SHEET 2
 - 2 6" DOUBLE YELLOW PER FDOT STANDARD PLANS 711-01 SHEET 2
 - 3 DIRECTIONAL ARROW PER FDOT STANDARD PLANS 711-001 SHEET 1
 - 4 18" YELLOW GORE AT 10' O.C. @ 45° PER STANDARD PLANS 711-001 SHEET 8
 - 5 6" WHITE SKIP 2'-4" PER FDOT STANDARD PLANS 711-001 SHEET 2



Key Map:

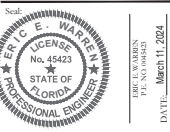
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NO. DATE	DESCRIPTION
SUBMISSIONS REVISIONS	
VERTICAL DATUM	NAVD 88
JOB NO.	21-027B
DESIGNED BY:	TV
DRAWN BY:	TV/PV
CHECKED BY:	EW
APPROVED BY:	MDS
SCALE IN FEET:	1" = 20'

Project Name:
**Crossroads at
Kelly Park
Ondich Road
Improvements**

Ondich Road
DESIGN SPEED 30 MPH
POSTED SPEED 30 MPH

Jurisdiction:
ORANGE COUNTY, FL
Sheet Title:
**SIGNAGE & STRIPING
PLAN**

Sheet No:
C4.00



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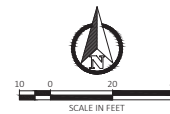
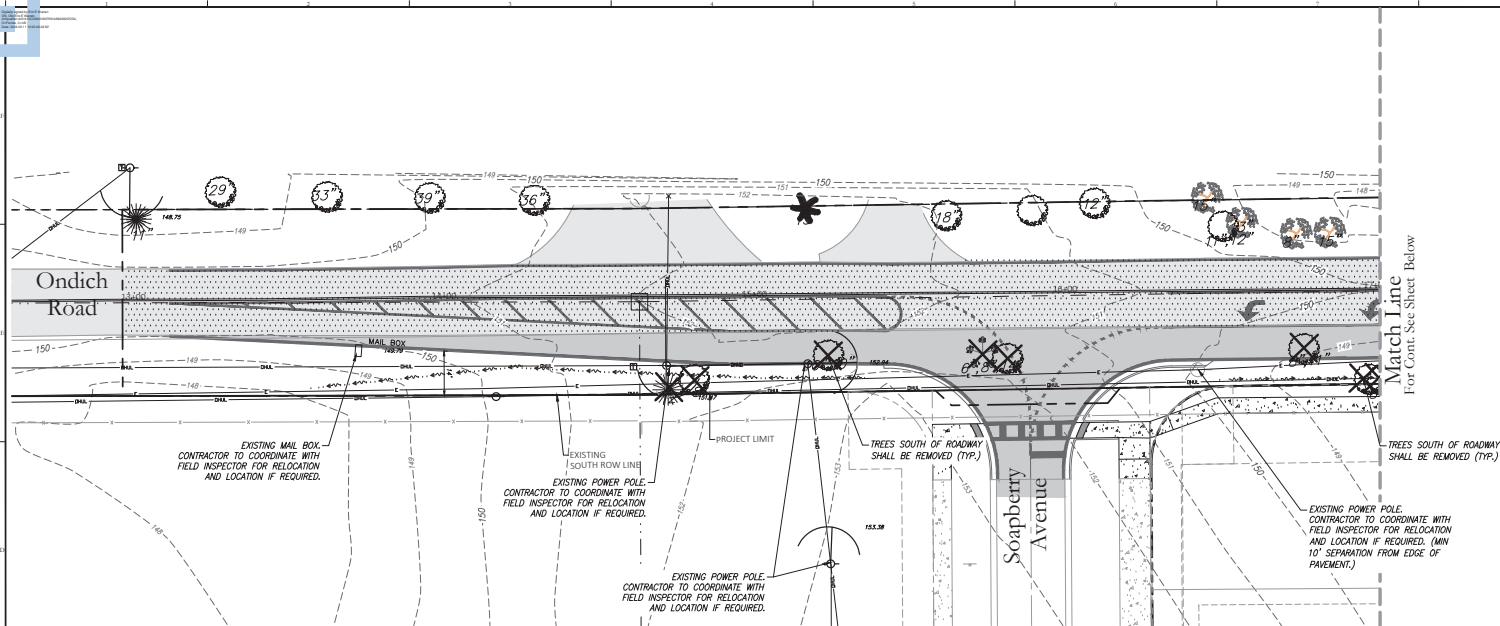


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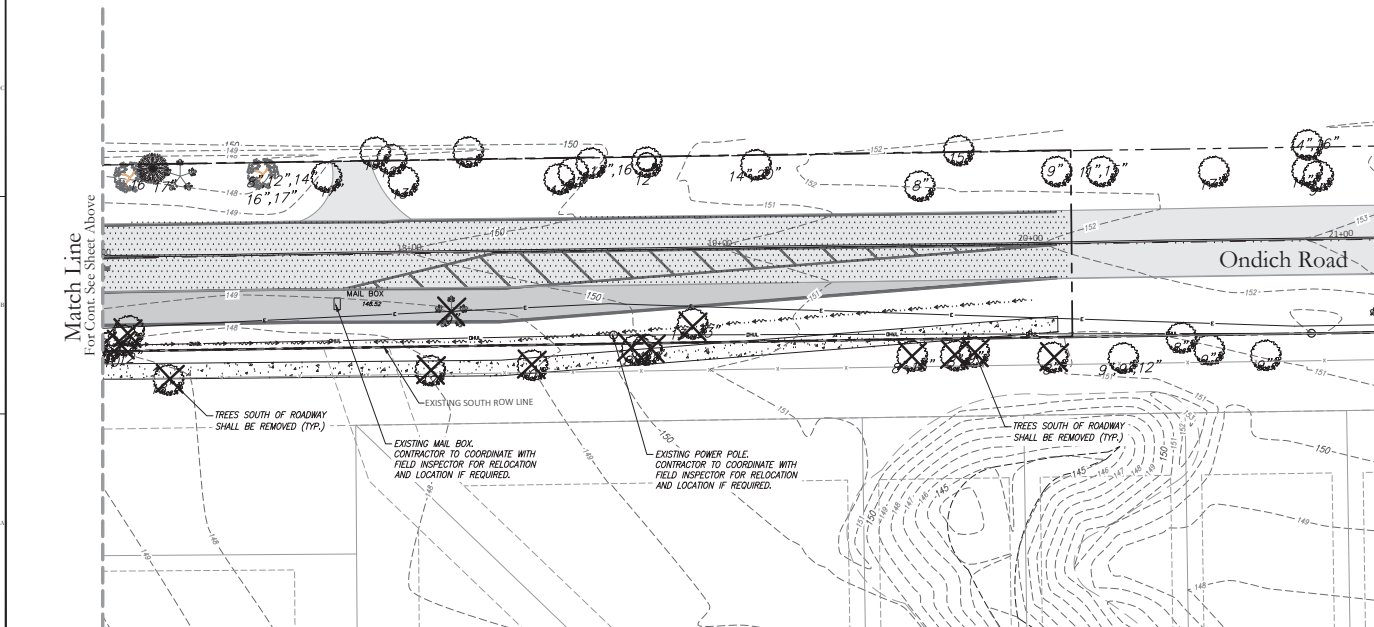


Eric E. Warren

2/20/21 1:41:42 PM - KELLY PARK, PHASE 2/3 01 - 0278 (O&D) 1/10/21 08 - 0605 - 0300



Key Map:



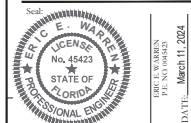
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[Symbol]	EXISTING WATERMAIN	[Symbol]	PROPOSED POWER POLE
[Symbol]	EXISTING TELEPHONE LINE	[Symbol]	EXISTING POWER POLE
[Symbol]	EXISTING SANITARY SEWER	[Symbol]	EXISTING GUY WIRE
[Symbol]	EXISTING OVERHEAD WIRE	[Symbol]	EXISTING WELL
[Symbol]	EXISTING PAVEMENT/SIDEWALK	[Symbol]	EXISTING VAULT
[Symbol]	EXISTING FENCE	[Symbol]	EXISTING FIRE HYDRANT
[Symbol]	EXISTING FENCE	[Symbol]	EXISTING FIBER OPTIC MARKER
[Symbol]	EXISTING TREE		

05/11/2024 SUBMIT TO ORANGE COUNTY
NO. DATE DESCRIPTION
SUBMISSIONS REVISIONS
VERTICAL DATUM NAVD 88
JOB NO. 21-0278
DESIGNED BY: TV
DRAWN BY: TV/PV
CHECKED BY: EW
APPROVED BY: MDS
SCALE IN FEET: 1" = 20'

Project Name:
**Crossroads at
Kelly Park
Ondich Road
Improvements**

Jurisdiction:
ORANGE COUNTY, FL
Sheet Title:
DEMOLITION PLAN

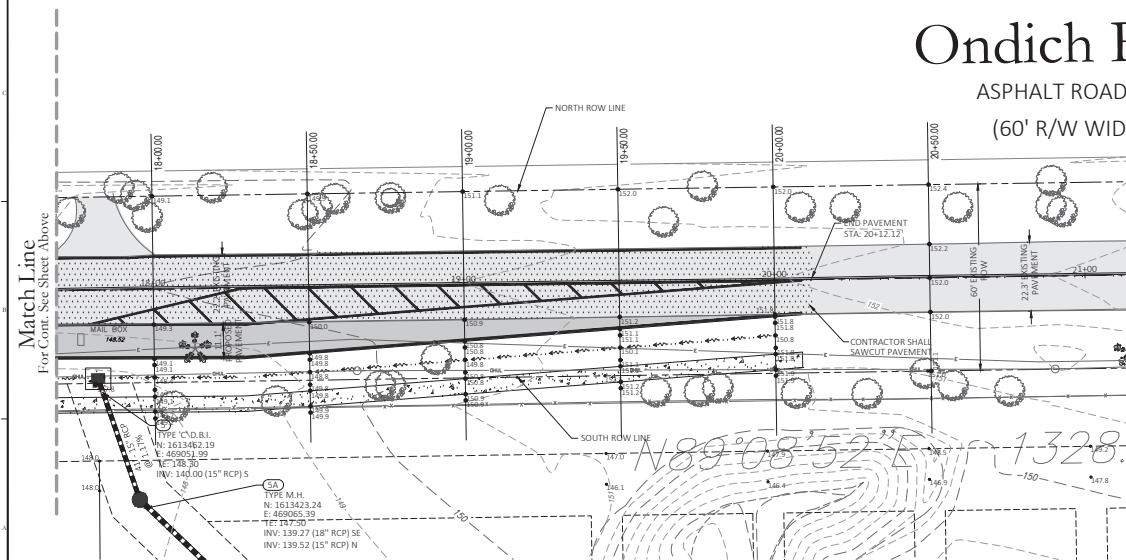
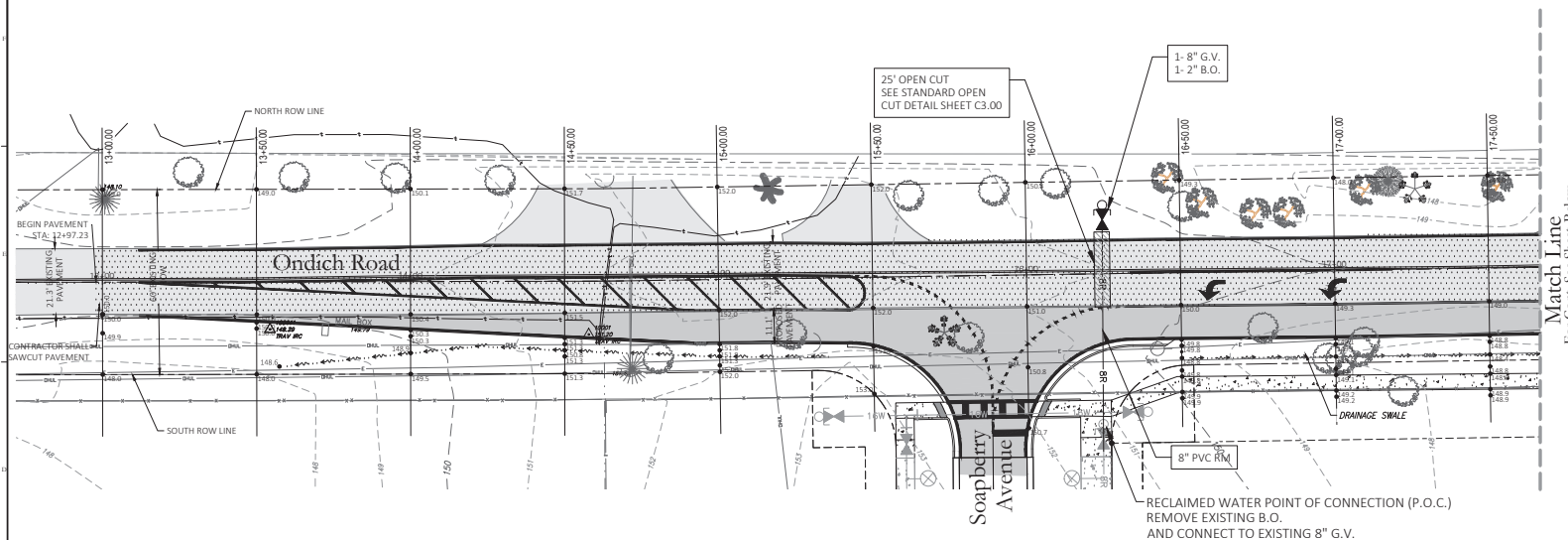
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Ondich F

ASPHALT ROAD'
(60' R/W WID'

Legend			
Symbol	Description	Symbol	Description
	LIMITS OF OVERLAY WITH SLOPE CORRECTION		PROPOSED PAVEMENT
	EXISTING WATERMAIN		PROPOSED POWER POLE
	EXISTING TELEPHONE LINE		EXISTING POWER POLE
	EXISTING SANITARY SEWER		EXISTING GUY WIRE
	EXISTING OVERHEAD WIRE		EXISTING WELL
	EXISTING PAVEMENT/SIDEWALK		EXISTING VAULT
	EXISTING FENCE		EXISTING FIRE HYDRANT
	EXISTING FENCE		EXISTING FIBER OPTIC MARKER
	EXISTING TREE		

Ondich Road
DESIGN SPEED 30 MPH
POSTED SPEED 30 MPH

MAINTENANCE OF TRAFFIC DURING CONSTRUCTION PLAN

CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING PROPER TRAFFIC MAINTENANCE AND CONTROLS IN ACCORDANCE WITH REGULATORY STANDARDS, WHERE A TRAFFIC MAINTENANCE PLAN IS REQUIRED. THE CONTRACTOR SHALL HAVE THE PLAN PREPARED BY AN FDOT CERTIFIED DESIGNER AND SUBMIT THE PLAN FOR APPROVAL.

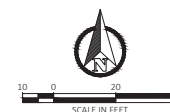
GENERAL NOTES

- ALL DISTURBED AREAS SHALL BE SODDED.
- ALL WORK SHALL BE PERFORMED WITH PROPER SHORING, BARRICADES, AND MAINTENANCE OF TRAFFIC SIGNAGE IN ACCORDANCE WITH MUTCD, OSHA LAWS AND REGULATIONS, AND FDOT HIGHWAY SAFETY PLAN.
- AT THE END OF EACH DAY, THE RIGHT OF WAY (INCLUDING ALL TRAVEL LANES) SHALL BE RESTORED FOR SAFE VEHICULAR TRAFFIC. NO DROP-OFF CONDITIONS SHALL REMAIN. NO MATERIALS, EQUIPMENT, ETC. SHALL BE STORED WITHIN THE RIGHT OF WAY WHILE THE WORK ZONE IS INACTIVE.

OVERLAY WITH SLOPE CORRECTION NOTES

- CONTRACTOR SHALL PROFILE ROAD PRIOR TO ANY MILLING OPERATIONS.
- CONTRACTOR SHALL PROVIDE 1" OF MILLING AS NEEDED FOR SLOPE CORRECTION.
- CONTRACTOR SHALL PROVIDE 1-1/2" OF RESURFACING WHERE NEEDED.
- CONTRACTOR SHALL PROVIDE BUILDUP OR EDGE MILLING AS NECESSARY TO PROVIDE CONSISTENT 2% CROSS SLOPE.

Key Map:



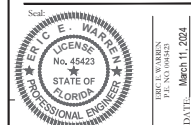
05/11/2024	SUBMIT TO ORANGE COUNTY
NO.	DATE
21-027B	REVISIONS
DESIGNED BY:	TV
DRAWN BY:	TV/PV
CHECKED BY:	FW
APPROVED BY:	MDS
SCALE IN FEET:	1" = 20'

Project Name:
**Crossroads at
Kelly Park
Ondich Road
Improvements**

Jurisdiction:
ORANGE COUNTY, FL

Sheet Title:
**GRADING &
UTILITY PLAN**

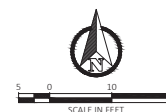
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C8.00



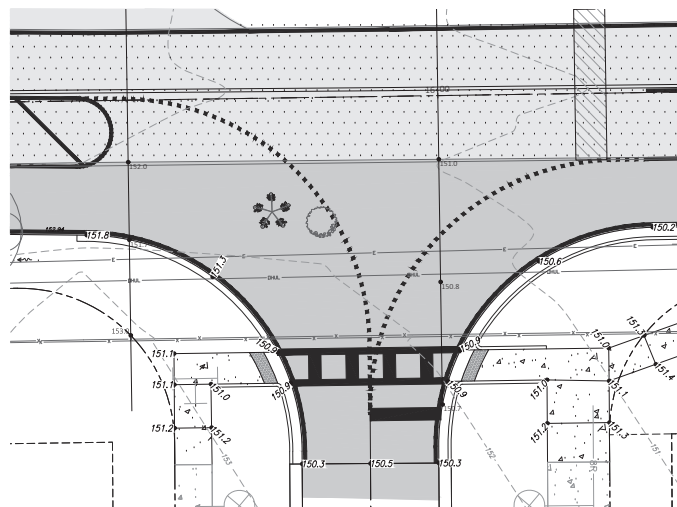
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Key Maps:



Legend			
Symbol	Description	Symbol	Description
	LIMITS OF OVERLAY WITH SLOPE CORRECTION		PROPOSED PAVEMENT
	EXISTING WATERMAIN		PROPOSED POWER POLE
	EXISTING TELEPHONE LINE		EXISTING POWER POLE
	EXISTING SANITARY SEWER		EXISTING GULLY WIRE
	EXISTING OVERHEAD WIRE		EXISTING VAULT
	EXISTING PAVEMENT/SIDEWALK		EXISTING FIRE HYDRANT
	EXISTING FENCE		EXISTING FIBER OPTIC MARKER
	EXISTING TREE		

Ondich Road
DESIGN SPEED 30 MPH
POSTED SPEED 30 MPH

MAINTENANCE OF TRAFFIC DURING CONSTRUCTION PLAN

CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING PROPER TRAFFIC MAINTENANCE AND CONTROLS IN ACCORDANCE WITH REGULATORY STANDARDS. WHERE A TRAFFIC MAINTENANCE PLAN IS REQUIRED, THE CONTRACTOR SHALL HAVE THE PLAN PREPARED BY AN FDOT CERTIFIED DESIGNER AND SUBMIT THE PLAN FOR APPROVAL.

GENERAL NOTES

1. ALL DISTURBED AREAS SHALL BE SODED.
2. ALL WORK SHALL BE PERFORMED WITH PROPER SHORING, BARRICADES, AND MAINTENANCE OF TRAFFIC SIGNAGE IN ACCORDANCE WITH MUTCD, OSHA LAWS AND REGULATIONS, AND FDOT HIGHWAY SAFETY PLAN.
3. AT THE END OF EACH DAY, THE RIGHT OF WAY (INCLUDING ALL TRAVEL LANES) SHALL BE RESTORED FOR SAFE VEHICULAR TRAFFIC. NO DROP-OFF CONDITIONS SHALL REMAIN. NO MATERIALS, EQUIPMENT, ETC. SHALL BE STORED WITHIN THE RIGHT OF WAY WHILE THE WORK ZONE IS INACTIVE.

OVERLAY WITH SLOPE CORRECTION NOTES

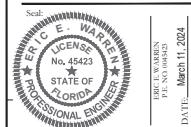
1. CONTRACTOR SHALL PROFILE ROAD PRIOR TO ANY MILLING OPERATIONS.
2. CONTRACTOR SHALL PROVIDE 1" OF MILLING AS NEEDED FOR SLOPE CORRECTION.
3. CONTRACTOR SHALL PROVIDE 1-1/2" OF RESURFACING WHERE NEEDED.
4. CONTRACTOR SHALL PROVIDE BUILDUP OR EDGE MILLING AS NECESSARY TO PROVIDE CONSISTENT 2% CROSS SLOPE.

05/11/2024 SUBMIT TO ORANGE COUNTY	
NO.	DATE DESCRIPTIONS
SUBMISSIONS/REVISIONS	
VERTICAL DATUM	NAVD 88
JOB NO:	21-027B
DESIGNED BY:	TV
DRAWN BY:	TV/PV
CHECKED BY:	EW
APPROVED BY:	MDS
SCALE IN FEET:	1" = 10'

**Crossroads at
Kelly Park
Ondich Road
Improvements**

Jurisdiction:
ORANGE COUNTY, FL.

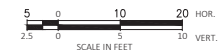
Sheet Title:
**GRADING &
UTILITY PLAN**

Sheet No.: **C8.01**

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NO.	DATE	DESCRIPTIONS	
SUBMISSIONS/REVISIONS			
VERTICAL DATUM		NAVD 88	
JOB NO:		21-027B	
DESIGNED BY:		TV	
DRAWN BY:		TV/PT	
CHECKED BY:		EW	
APPROVED BY:		MDS	
SCALE IN FEET:		1" = 10'	
Project Name:			

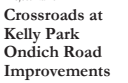
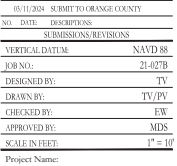
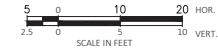
Jurisdiction:
ORANGE COUNTY, FL

Sheet Title:
**GRADING
SECTIONS &
DETAILS**

C8.10

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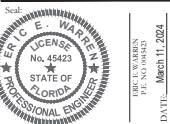
Jurisdiction:
ORANGE COUNTY, FL

Sheet Title:

**GRADING
SECTIONS &
DETAILS**

Sheet No.:

C8.11

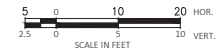
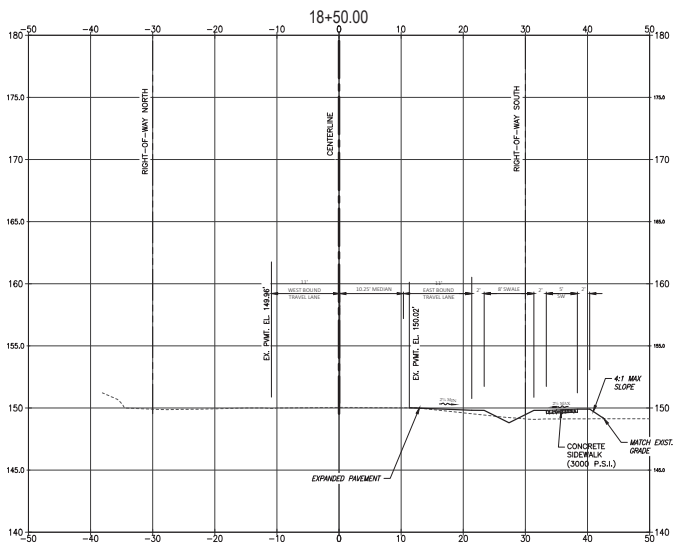
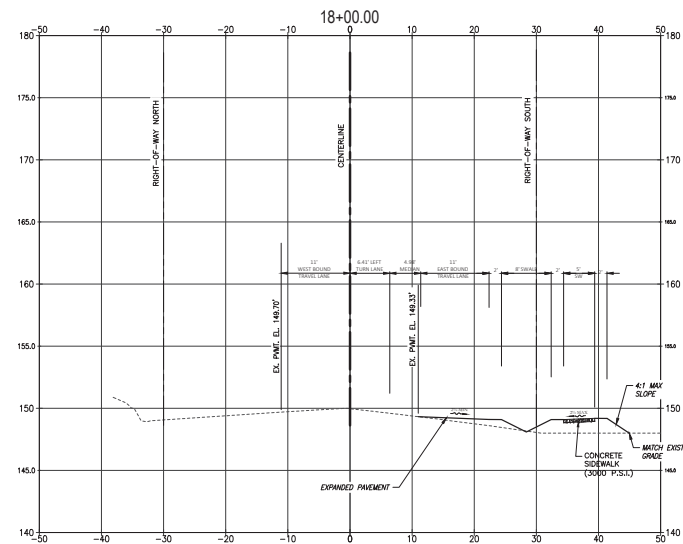
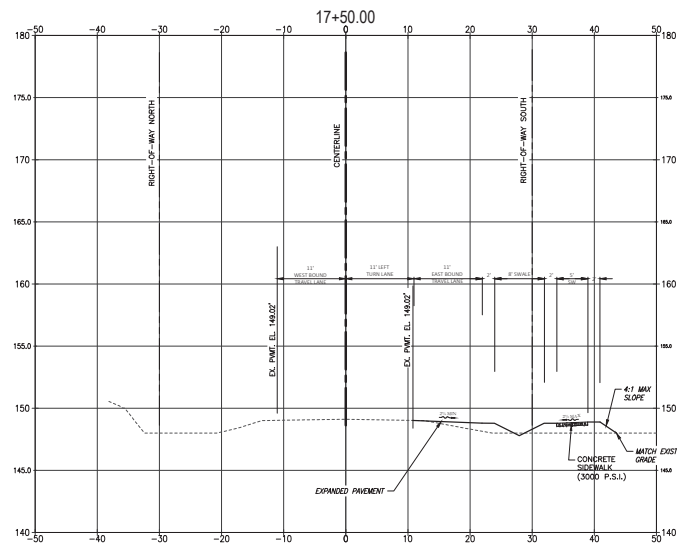
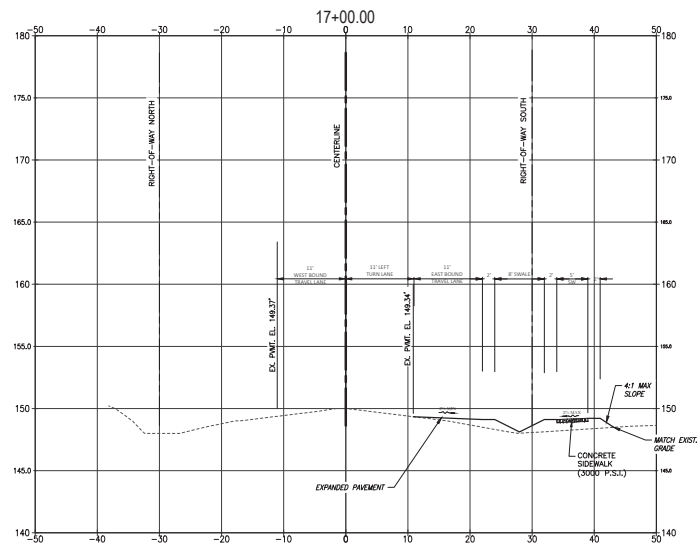


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Z:\2021\17-1827 DAWN - KELLY PARK PHASE1\17-1827 DAWN - KELLY PARK PHASE1\17-1827 DAWN - OFFSITE IMPROVEMENT



Key Map:

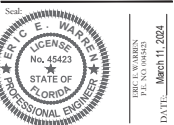
05/11/2024	SUBMIT TO ORANGE COUNTY
NO. DATE	DESIGN/REV
SUBMISSIONS REVISIONS	
VERTICAL DATUM	NAVD 88
JOB NO.	21-027B
DESIGNED BY:	TV
DRAWN BY:	TV/PV
CHECKED BY:	EW
APPROVED BY:	MDS
SCALE IN FEET:	1" = 10'
Project Name:	

**Crossroads at
Kelly Park
Ondich Road
Improvements**

Jurisdiction:
ORANGE COUNTY, FL

Sheet Title:
**GRADING
SECTIONS &
DETAILS**

Sheet No:
C8.12



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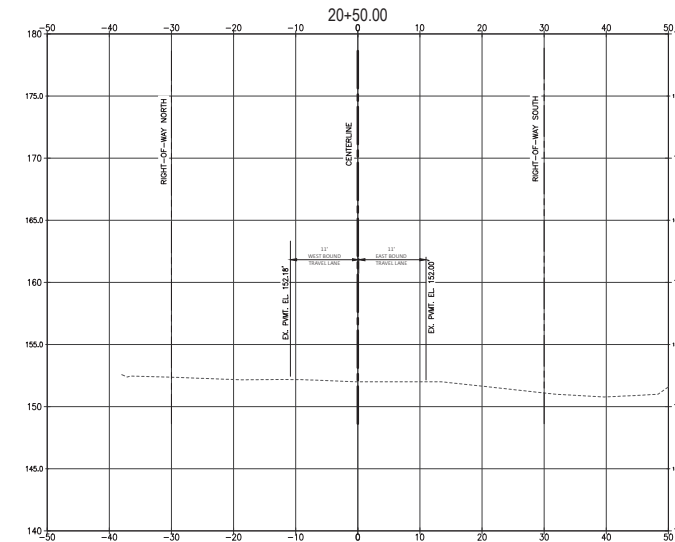
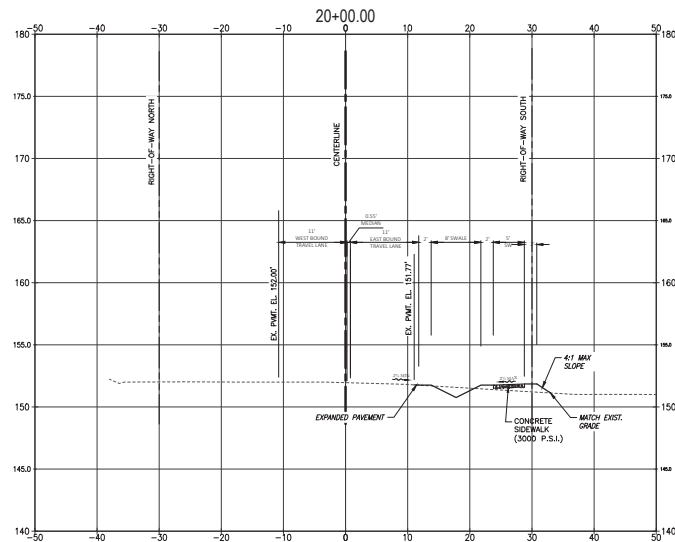
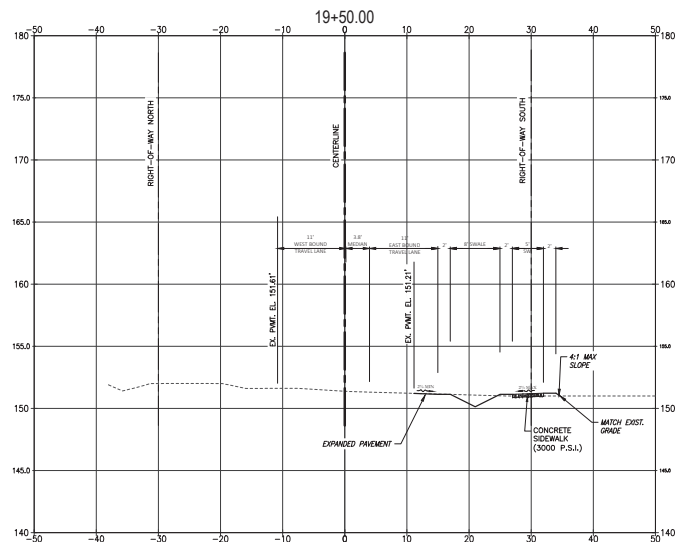
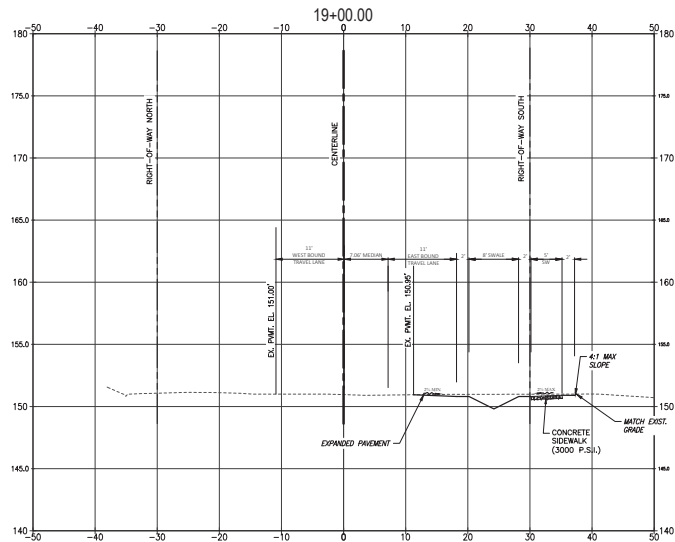
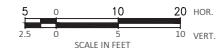


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Tel. 407.467.2504 www.poulosandbennett.com
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Eric E. Warren

Key Map:



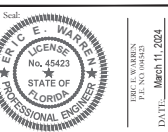
05/11/2024	SUBMIT TO ORANGE COUNTY
NO.	DATE
21-027B	DESIGN REVISIONS
21-027B	DESIGNED BY
TV	DESIGNED BY
TV/PV	DRAWN BY
FW	CHECKED BY
MDS	APPROVED BY
1" = 10'	SCALE IN FEET

Project Name:
**Crossroads at
Kelly Park
Ondich Road
Improvements**

Jurisdiction:
ORANGE COUNTY, FL

Sheet Title:
**GRADING
SECTIONS &
DETAILS**

Sheet No:
C8.13

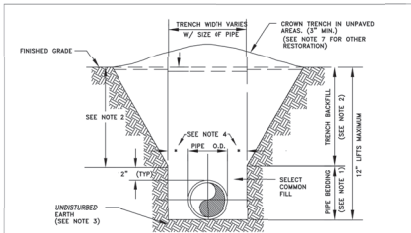


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Eng. Bus. No. 28567

21-027B-13-12-22T DAWN - KELLY PARK PHASE 1 (1-207B) OANDICH RD IMPROVEMENTS - OFFSITE IMPROVEMENT



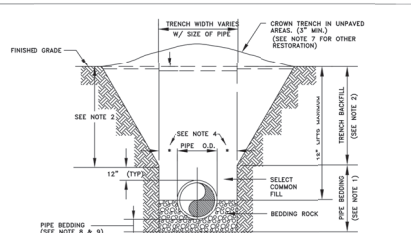
- NOTES:
1. PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-155.
 2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS TO AASHTO T-155.
 3. PIPE BEDDING UTILIZING SELECT COMMON FILL OR BEDDING ROCK IN ACCORDANCE WITH TYPE A BEDDING AND TRENCHING DETAIL MAY BE REQUIRED AS DIRECTED BY THE CITY.
 4. (1) 12" 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 SODED TO MATCH ADJACENT DOMINANT 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-155.
 2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 98% UNDER PAVEMENT OF THE MAXIMUM DENSITY AS PER AASHTO T-155.
 3. USE OF TYPE A BEDDING TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CITY.
 4. (1) 12" 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 12" AND 6" MINIMUM FOR PIPE DIAMETER 12" AND LARGER.
 8. DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL COVER 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 SODED TO MATCH ADJACENT DOMINANT GRASS SPECIES.
 10. FINAL RESTORATION IN IMPROVED AREAS SHALL BE IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS OF 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

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 LISTED 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.
SOIL DESIGNATION: SMC(S&T)
LAYING CONDITIONS: 3
** FM = 100 P.S.I. / WM 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

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					61	67	73	84	100	114		
45° BEND					26	28	31	35	42	48		
22-1/2° BEND					13	14	15	17	20	23		
11-1/4° BEND					6	7	8	9	10	12		
TEE**					52	62	74	95	124	152		
REDUCER (ONE SIZE SMALLER)					48	25	25	47	66	66		
DEAD END					111	123	135	167	195	218		

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

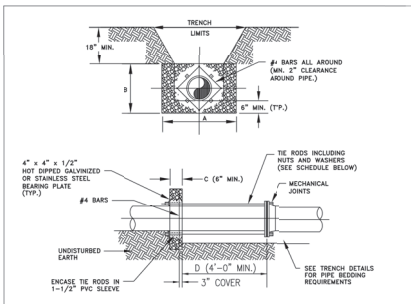
- NOTES:
1. FITTINGS SHALL BE RESTRAINED JOINT TYPE, FM FITTINGS TO BE LISTED WITH PROTECTO 401.
 2. INSTALL FULL LENGTHS OF PIPE WITH TOTAL LENGTH CONTAINING ONLY RESTRAINED JOINTS EQUAL TO OR GREATER THAN LENGTH SHOWN IN TABLE.
 3. WHERE TWO OR MORE FITTINGS ARE TOGETHER, USE FITTING WHICH YIELDS GREATEST 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, WITH THE FOLLOWING ASSUMPTIONS:
TYPE OF PIPE: PVC
WORKING PRESSURE: 150 P.S.I.
SOIL DESIGNATION: SMC(S&T)
LAYING CONDITIONS: 3
** FM = 100 P.S.I. / WM OR RWM = 150 P.S.I.
 6. VALUES NOT LISTED IN THE TABLE TO BE COMPLETED BY THE ENGINEER.

RESTRAINED PIPE TABLE (DI)

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 106



- NOTES:
1. ADDITIONAL REINFORCEMENT SHALL BE AS SPECIFIED BY THE ENGINEER.
 2. MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE SHALL BE 3000 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.

PIPE (INCHES)	DIMENSIONS (FT.)				10' RODS REIN.
	A	B	C	D	
6	3.0	2.0	1.0	3/4"	1
8	3.0	2.0	1.0	3/4"	1
10	3.0	2.0	1.0	3/4"	1
12	3.0	2.0	1.0	3/4"	1
14	4.0	2.0	1.0	3/4"	1
16	4.0	2.0	1.0	3/4"	1
18	4.0	2.0	1.0	3/4"	1
20	4.0	2.0	1.0	3/4"	1
24	4.0	2.0	1.0	3/4"	1

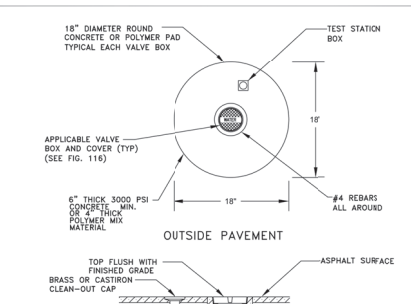
NOTE: THESE RODS ARE TO BE EMBEDDED ON BASIS OF 18" MIN. EMBEDMENT. SEE NOTE 1.

WATER MAIN THRUST COLLAR DETAIL

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 107



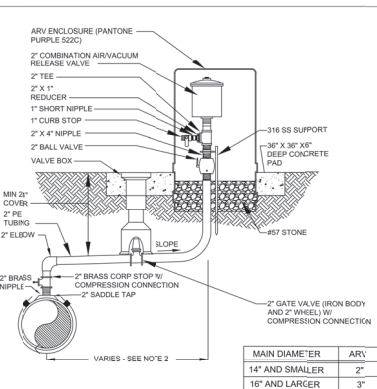
- NOTES:
1. ADDITIONAL REINFORCEMENT SHALL BE AS SPECIFIED BY THE ENGINEER.
 2. MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE SHALL BE 3000 P.S.I.
 3. BEDDING, BACKFILL, AND COMPACTION SHALL BE AS SPECIFIED ELSEWHERE IN THE STANDARD DRAWINGS.
 4. ALL FORM BOARDS SHALL BE REMOVED PRIOR TO BACKFILL.
 5. NO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

VALVE BOX

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 109



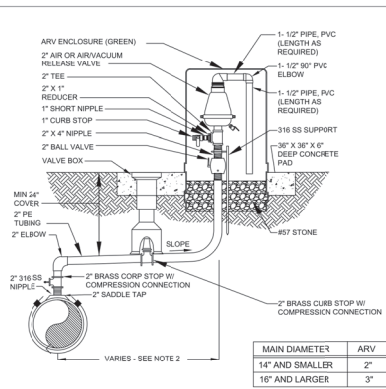
- NOTES:
1. FOR RECLAIMED WATER USE ONLY.
 2. OFFSET DISTANCE TO BE FIELD DETERMINED AND AS CLOSE TO THE R/W LINE AS POSSIBLE.
 3. ADJUST HORIZONTAL LOCATION OF SIDEWALK, AS REQUIRED TO AVOID ARV ENCLOSURE.
 4. LOCATE ARV ENCLOSURE WITHIN 6" OF R/W LINE.
 5. ASSEMBLY PIPE, FITTINGS, AND APPURTENANCES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

OFFSET COMBINATION AIR/VACUUM
RFI FASE VAI VF DETAIL - RFI AIMF WATER ONLY

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2015

FIG. 113



- 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
RFI FASE VAI VF DETAIL - WASTEWATER ONLY

CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2015

FIG. 114

05/11/2024 SUBMIT TO ORANGE COUNTY
NO DATE DESCRIPTIONS
SUBMISSION REVISIONS
VERTICAL DATUM NAVD 88
JOB NO. 21-027B
DESIGNED BY: TV
DRAWN BY: TV/PV
CHECKED BY: FW
APPROVED BY: MDS
SCALE IN FEET: N.T.S.
Project Name:
Crossroads at Kelly Park Ondich Road Improvements

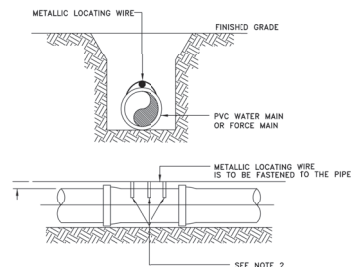
Jurisdiction:
ORANGE COUNTY, FL
Sheet Title:
CONSTRUCTION DETAILS

Sheet No:
C9.10

POULOS & BENNETT

Poulos & Bennett, LLC
2602 E. Livingston St., Orlando, FL 32803
Tel. 407.467.2504 www.poulosandbennett.com
Eng. Bus. No. 25657

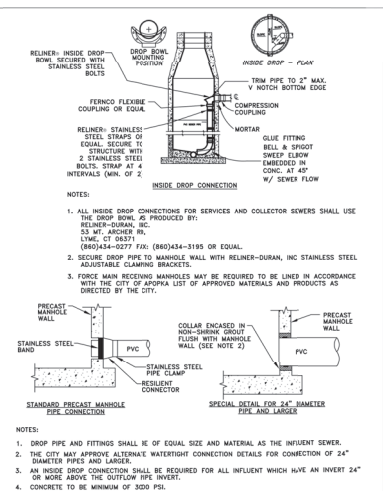
DATE: March 11, 2024



PVC PIPE LOCATING WIRE DETAIL

05/11/2024 SUBMIT TO ORANGE COUNTY	
NO.	DATE DESCRIPTIONS
SUBMISSIONS/REVISIONS	
VERTICAL DATUM	NAVD 88
JOB NO.:	21-027B
DESIGNED BY:	TV
DRAWN BY:	TV/PV
CHECKED BY:	EW
APPROVED BY:	MDS
SCALE IN FEET:	N.T.S.

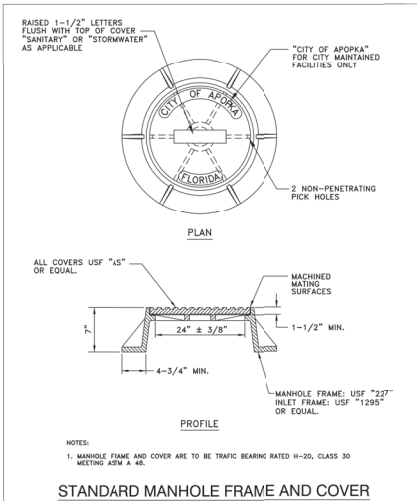
Project Name:
**Crossroads at
Kelly Park
Ondich Road
Improvements**



MANHOLE CONNECTION DETAILS

POULOS & BENNETT

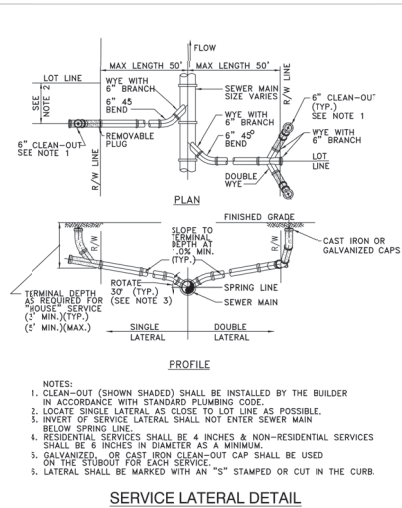
Poulos & Bennett, LLC
2602 E. Livingston St., Orlando, FL 32803
Tel. 407.487.2594 www.poulosandbennett.com
Eng. Bus. No. 28567



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

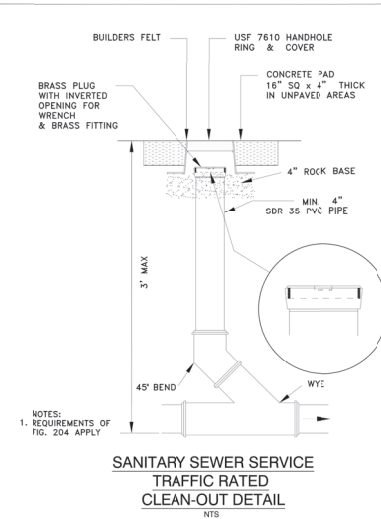
FIG. 202



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

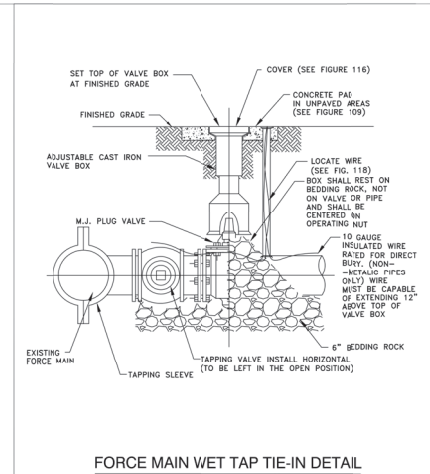
FIG. 204



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

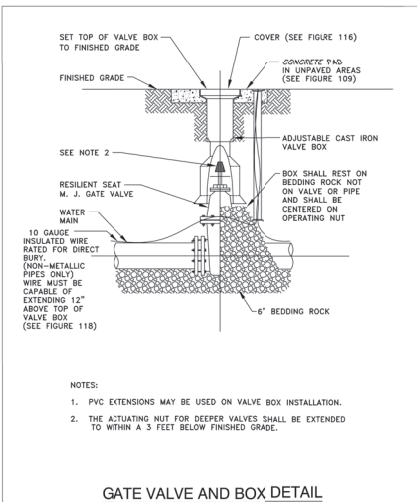
FIG. 205



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

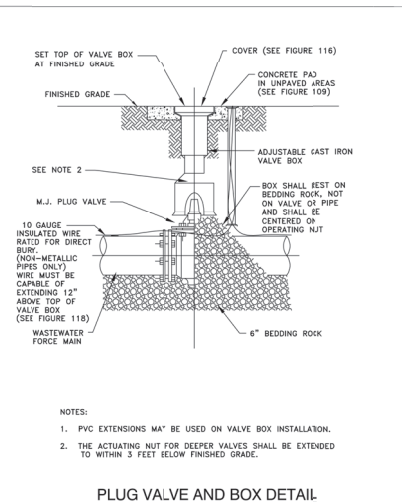
FIG. 206



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

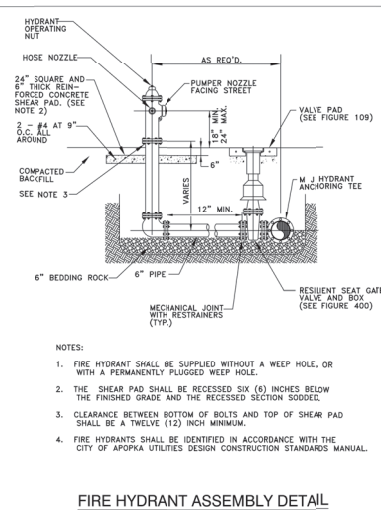
FIG. 400



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

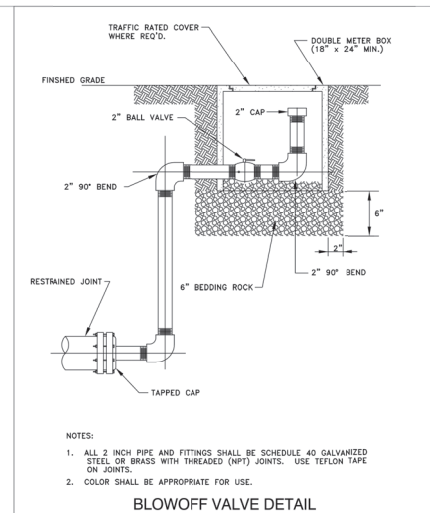
FIG. 400 A



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 402



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 403

05/11/2024	SUBMIT TO ORANGE COUNTY
NO.	DATE
VERTICAL DATUM	SUBMISSIONS REVISIONS
FOR NO.	NAVD 88
DESIGNED BY:	21-027B
DRAWN BY:	TV
CHECKED BY:	TV/PV
APPROVED BY:	FW
SCALE IN FEET:	MDS
	N.T.S.

Project Name:
**Crossroads at
Kelly Park
Ondich Road
Improvements**

Jurisdiction:
ORANGE COUNTY, FL

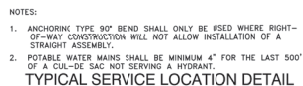
Sheet Title:
**CONSTRUCTION
DETAILS**

Sheet No:
C9.12

Date:
March 11, 2024

POULOS & BENNETT

Poulos & Bennett, LLC
2602 E. Livingston St., Orlando, FL 32803
Tel. 407.467.2504 www.poulosandbennett.com
Eng. Bus. No. 28567



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 18" BELOW THE GRADE. EACH 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 LINES EXISTING OR PROPOSED PAVEMENT SHALL BE INSTALLED WITHIN THE DRIVEWAY.

1. SIZE ON SIZE WET TAPS WILL CALL FOR FULL ENCFILTEMENT 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.

NOTE:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS, ASSEMBLY, AND THE INSTALLATION OF THE DEVICE.
2. SEE FIGURE 504C FOR PROCEDURES.
3. DDCV IS MINIMUM PROTECTION REQUIRED. A RPZ DEVICE MAY BE REQUIRED DEPENDING ON PROJECT. PROVIDE COPY OF LATEST CERTIFICATION TEST RESULTS.

05/11/2024 SUBMIT TO ORANGE COUNTY	
NO.	DATE DESCRIPTIONS
SUBMISSIONS/REVISIONS	
VERTICAL DATUM:	NAVD 88
JOB NO.:	21-027B
DESIGNED BY:	TV
DRAWN BY:	TV/PV
CHECKED BY:	EW
APPROVED BY:	MDS
SCALE IN FEET:	N.T.S.

Project Name:
**Crossroads at
Kelly Park
Ondich Road
Improvements**

Jurisdiction:
ORANGE COUNTY, FL

Sheet Title:
**CONSTRUCTION
DETAILS**

Sheet No.:

C9.13

DATE: March 11, 2024

POULOS & BENNETT

Poulos & Bennett, LLC
2602 E. Livingston St., Orlando, FL 32803
Tel. 407.487.2594 www.poulosandbennett.com
Eng. Bus. No. 28567

PLAT	
BOOK	PAGE
CROSSROADS AT KELLY PARK PHASE 1A	

DEDICATION



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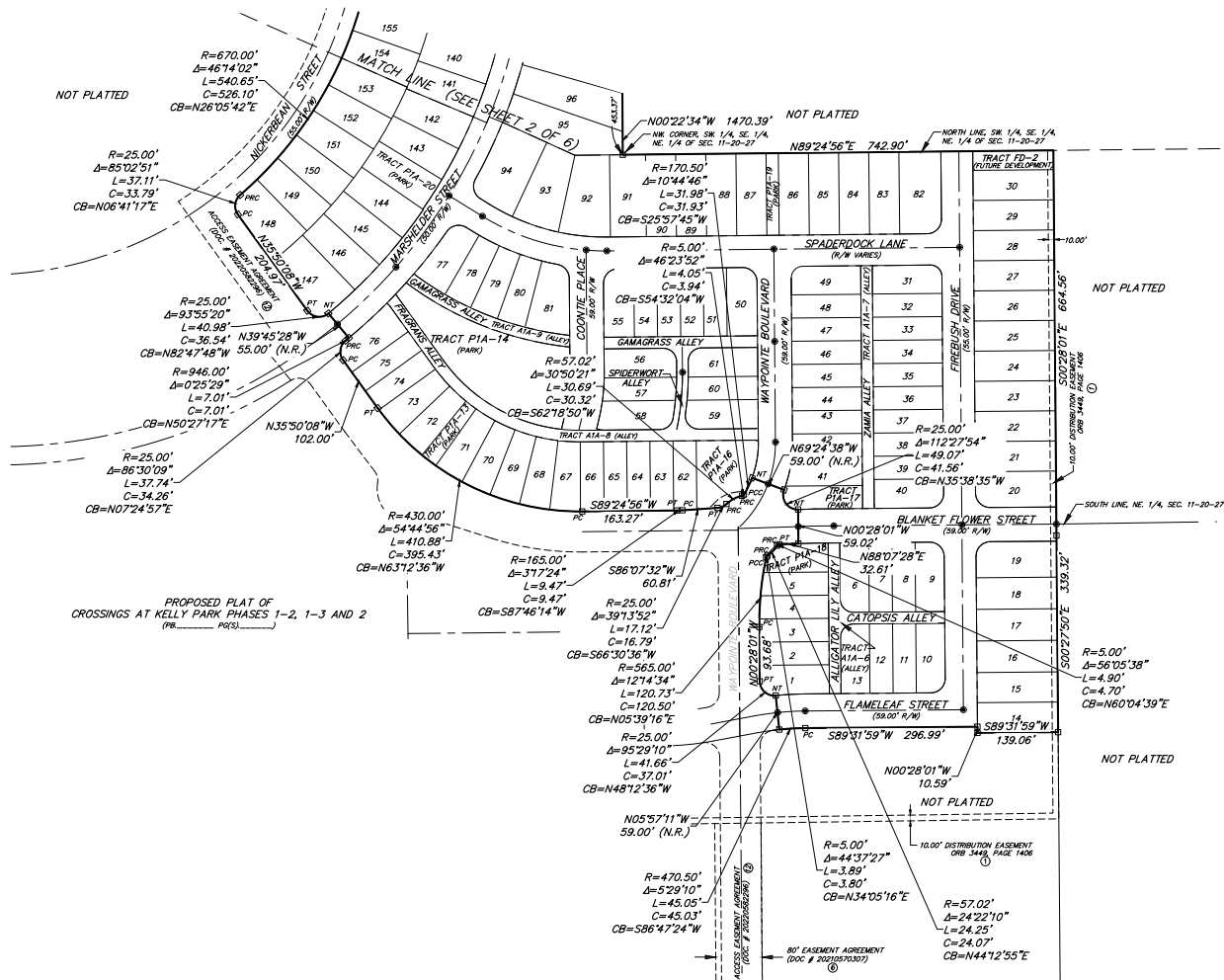
CROSSROADS AT KELLY PARK PHASE 1A

LYING IN SECTION 11 TOWNSHIP 20 SOUTH, RANGE 27 EAST
CITY OF APOPKA, ORANGE COUNTY, FLORIDA

SHEET 3 OF 6

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BOOK

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SHEET 1 = LEGAL DESCRIPTION, DEDICATIONS
AND SURVEYOR'S NOTES
SHEETS 2-3 = BOUNDARY
SHEETS 4-6 = DETAIL SHEETS

PEC

SURVEYING AND MAPPING, LLC

CERTIFICATE OF AUTHORIZATION NUMBER LB 7808

2100 Alafaya Trail, Suite 203 • Oviedo, Florida 32765 • 407-542-4967

NOTICE:

"THIS PLAT, AS RECORDED IN ITS GRAPHIC FORM, IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY ANY OTHER GRAPHIC OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY."

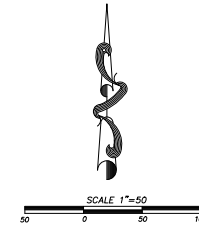
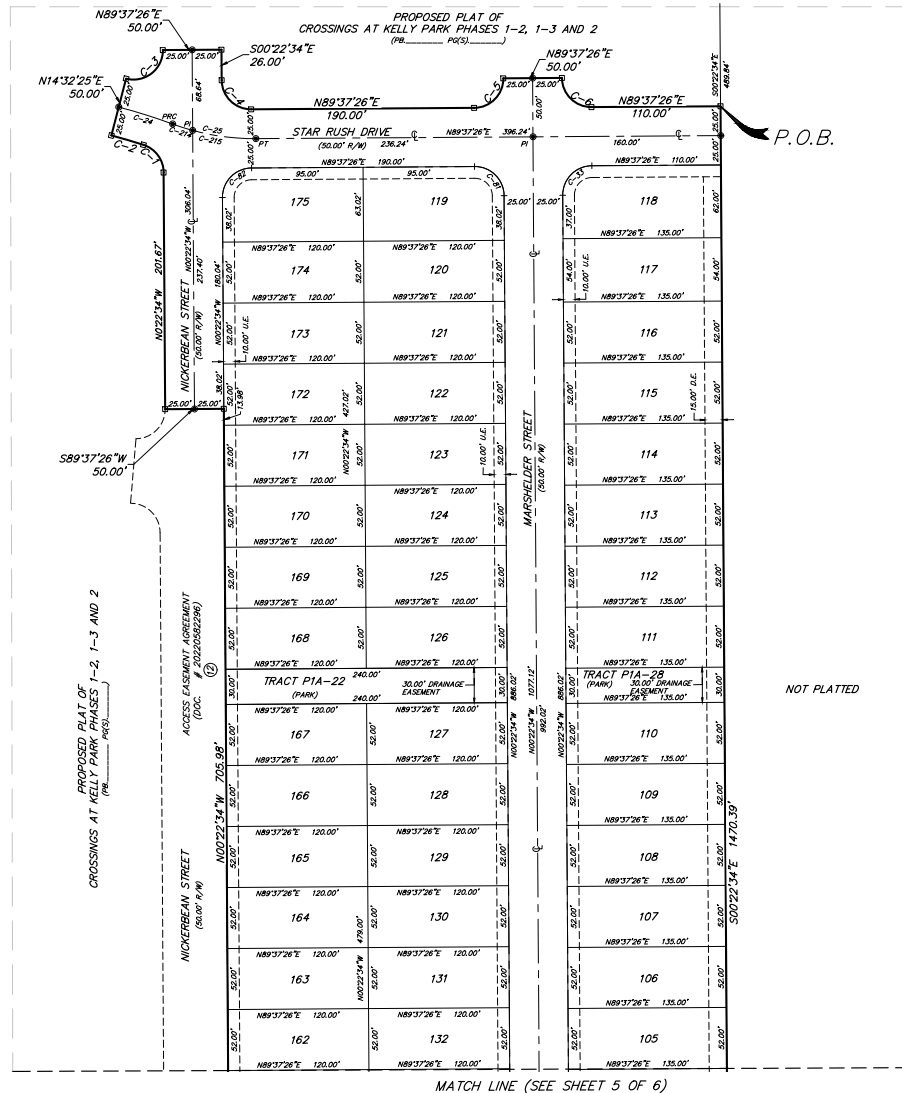
CROSSROADS AT KELLY PARK PHASE 1A

LYING IN SECTION 11 TOWNSHIP 20 SOUTH, RANGE 27 EAST
CITY OF APOPKA, ORANGE COUNTY, FLORIDA

SHEET 4 OF 6

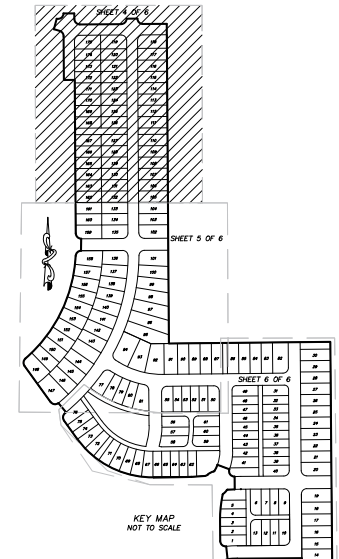
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INDEX:
SHEET 1 = LEGAL DESCRIPTION, DEDICATIONS
AND SURVEYOR'S NOTES
SHEETS 2-3 = BOUNDARY
SHEETS 4-6 = DETAIL SHEETS

CURVE TABLE					
CURVE #	RADIUS	DELTA	LENGTH	CHORD LENGTH	CHORD BEARING
C-1	25.00'	071°27'34"	31.18'	31.18'	N88°16'21"W
C-2	450.00'	003°32'21"	28.46'	28.46'	N07°58'51"W
C-3	25.00'	104°54'58"	45.78'	45.78'	N02°04'34"E
C-4	25.00'	080°00'00"	39.27'	39.27'	S45°32'34"E
C-5	25.00'	080°00'00"	39.27'	39.27'	N44°37'26"E
C-6	25.00'	080°00'00"	39.27'	39.27'	S45°32'34"E
C-24	475.00'	000°04'01"	48.18'	48.18'	N02°31'07"W
C-25	200.00'	000°14'38"	72.25'	72.25'	S88°00'42"E
C-31	25.00'	080°00'00"	39.27'	39.27'	S44°37'26"W
C-81	25.00'	080°00'00"	39.27'	39.27'	N45°32'34"W
C-82	25.00'	080°00'00"	39.27'	39.27'	S44°37'26"W
C-214	200.00'	000°08'06"	17.86'	17.86'	S72°12'58"E
C-215	200.00'	010°30'37"	54.43'	54.43'	S82°34'48"E



PEC

SURVEYING AND MAPPING, LLC

CERTIFICATE OF AUTHORIZATION NUMBER LB 7808
2100 Alafaya Trail, Suite 203 • Oviedo, Florida 32765 • 407-542-4967

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THIS PLAT, AS RECORDED IN ITS GRAPHIC FORM, IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY ANY OTHER GRAPHIC OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY.

CROSSROADS AT KELLY PARK PHASE 1A

LYING IN SECTION 11 TOWNSHIP 20 SOUTH, RANGE 27 EAST
CITY OF APOKA, ORANGE COUNTY, FLORIDA

SHEET 5 OF 6

PLAT
BOOK

PAGE

CURVE #	RADIUS	DELTA	LENGTH	CHORD	CHORD BEARING
C-18	25.00'	086°30'59"	37.74'	37.74'	S072°43'37"W
C-19	446.00'	000°22'29"	7.02'	7.02'	N002°37'17"E
C-20	25.00'	086°30'59"	40.88'	40.88'	S072°43'37"W
C-21	25.00'	086°30'59"	37.71'	37.71'	S08°11'17"W
C-22	25.00'	086°30'59"	37.81'	37.81'	S46°18'02"W
C-23	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-24	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-25	400.50'	03°19'24"	225.24'	225.24'	S74°52'52"E
C-26	559.50'	04°25'47"	396.43'	396.43'	S70°17'02"E
C-27	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-28	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-29	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-30	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-31	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-32	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-33	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-34	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-35	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-36	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-37	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-38	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-39	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-40	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-41	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-42	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-43	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-44	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-45	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-46	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-47	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-48	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-49	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-50	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-51	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-52	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-53	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-54	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-55	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-56	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-57	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-58	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-59	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-60	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-61	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-62	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-63	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-64	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-65	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-66	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-67	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-68	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-69	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-70	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-71	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-72	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-73	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-74	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-75	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-76	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-77	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-78	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-79	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-80	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-81	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-82	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-83	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-84	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-85	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-86	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-87	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-88	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-89	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-90	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-91	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-92	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-93	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-94	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-95	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-96	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-97	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-98	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-99	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-100	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-101	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-102	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-103	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-104	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-105	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-106	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-107	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-108	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-109	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-110	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-111	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-112	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-113	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-114	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-115	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-116	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-117	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-118	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-119	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-120	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-121	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-122	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-123	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-124	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-125	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-126	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-127	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-128	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-129	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-130	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-131	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-132	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-133	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-134	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-135	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-136	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-137	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-138	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-139	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-140	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-141	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-142	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-143	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-144	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-145	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-146	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-147	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-148	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-149	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-150	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-151	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-152	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-153	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-154	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-155	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-156	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-157	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-158	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-159	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-160	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-161	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-162	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-163	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-164	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-165	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-166	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-167	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-168	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-169	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E
C-170	25.00'	086°30'59"	38.27'	38.27'	S45°32'34"E

INDEX:
SHEET 1 = LEGAL DESCRIPTION, DEDICATIONS
AND SURVEYOR'S NOTES
SHEETS 2-3 = BOUNDARY
SHEETS 4-6 = DETAIL SHEETS

PROPOSED PLAT OF
CROSSROADS AT KELLY PARK PHASES 1-2, 1-3, AND 2
(PER PERC)

NOTICE:

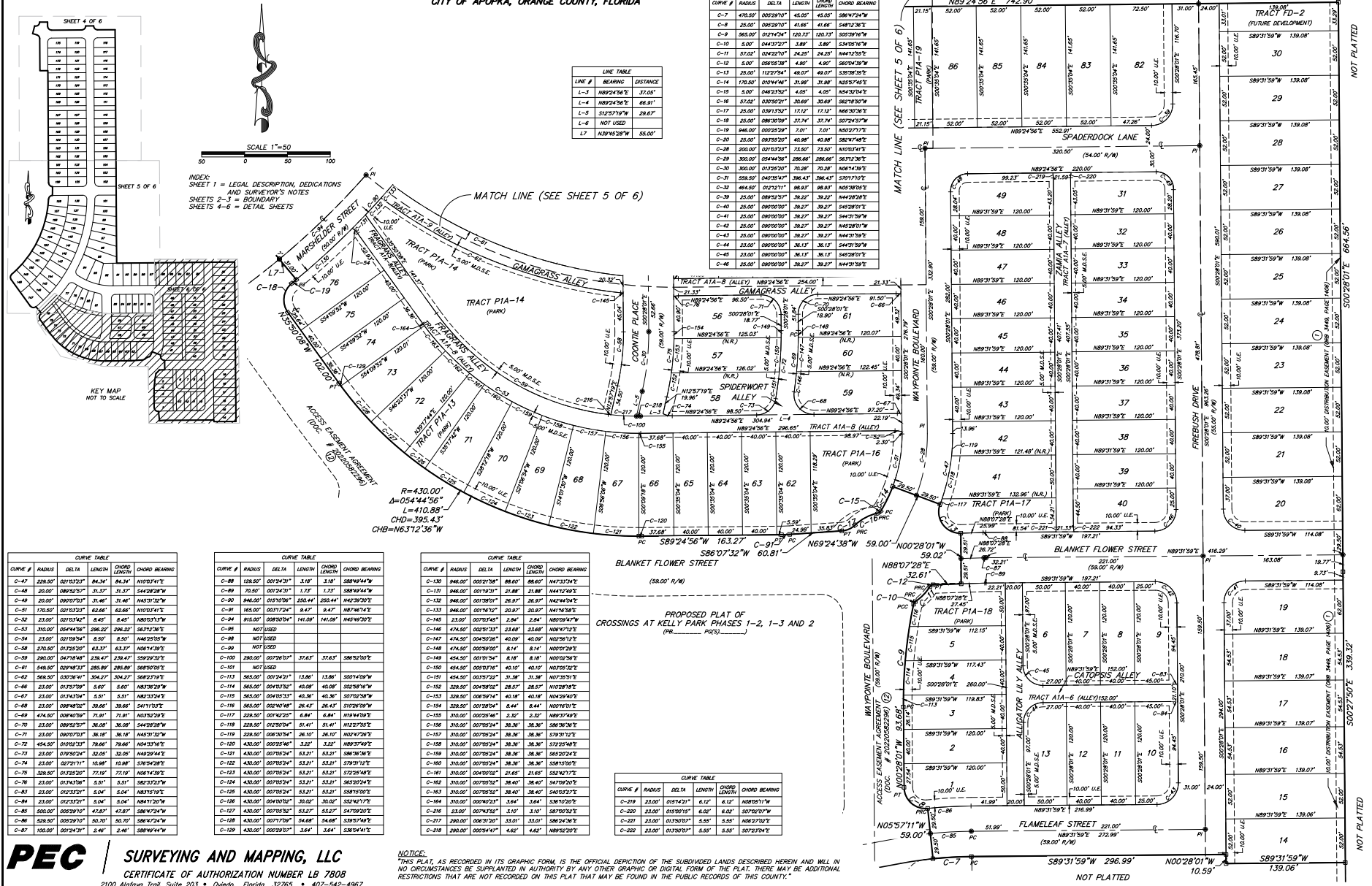
THIS PLAT, AS RECORDED IN ITS GRAPHIC FORM, IS THE OFFICIAL DEPICTION OF THE SUBDIVIDED LANDS DESCRIBED HEREIN AND WILL IN NO CIRCUMSTANCES BE SUPPLANTED IN AUTHORITY BY ANY
OTHER GRAPHIC OR DIGITAL FORM OF THE PLAT. THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT RECORDED ON THIS PLAT THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY."

PEC

SURVEYING AND MAPPING, LLC

CERTIFICATE OF AUTHORIZATION NUMBER LB 7808

2100 Alafaya Trail, Suite 203 • Oviedo, Florida 32765 • 407-442-5967



POULOS & BENNETT

Orlando Office
2602 E. Livingston Street
Orlando, Florida 32803

(407) 487-2594
poulosandbennett.com

Jacksonville Office
7563 Philips Hwy., Suite 303
Jacksonville, Florida 32256

March 14, 2024

James K. Hitt, FRA-RA
Community Development Director
City of Apopka
120 E. Main Street
Apopka, Florida 32703

Subject: Administrative Adjustment Request
Crossroads at Kelly Park Phase 1A Final Plat
Poulos & Bennett Job #21-175

Dear Mr. Hitt,

We would like to formally request an administrative adjustment for lots 31 and 49 on the proposed plat of Crossroads at Kelly Park Phase 1A. We are requesting to reduce the side street setbacks on lots 31 and 49 by 1.5', from 15' to 13.5' (10% reduction).

Should you have any questions or need additional information please contact me at 407-487-2594 or mstehli@poulosandbennett.com. Your consideration of this request is appreciated.

Best Regards,



Marc D. Stehli, P.E.
Poulos & Bennett, LLC