



APOPKA DEVELOPMENT REVIEW COMMITTEE AGENDA

April 2, 2025 9:00 AM

Apopka City Hall Council Chambers

SPECIAL EVENTS

1. Ricardo DaVinci Holdings LLC - Sabor Latino Fest! - Apopka Amphitheater - 3710 Jason Dwelley - June 14, 2024, 11:00 AM - 10:00 PM
2. Wolf Lake Middle School Chorus - ICONIC: WLMS Spring Chorus Concert - Apopka Amphitheater - 3710 Jason Dwelley Parkway - May 5, 2025, 10:00 AM - 8:00 PM

SITE PLAN:

CONSTRUCTION SITE PLAN

1. CSP-25-8, Central Florida Prep - Construction Site Plan (CSP), 1st Submittal

SUBDIVISION:

CONSTRUCTION SITE PLAN

1. CSP-25-9, Chandler Oaks - Construction Site Plan (CSP), 1st Submittal
Owner(s): Chandler Oaks Apopka, LLC, Kelly Park Road Development, LLC
Applicant(s): Kimley-Horn and Associates, Inc. - Brian Ashby
Location: East of Plymouth Sorrento Road, South of West Kelly Park Road and West of Chandler Road
Proposed Use: Attached Single Family Residential
Project Manager: Bobby Howell
Presented by: Bobby Howell, Planning Manager
2. CSP-25-7, Crossroads at Kelly Park Ph 2A-1 & 2A-1- Construction Site Plan (CSP), 1st Submittal
Owner(s): Jen Florida 51, LLC
Applicant(s): Poulos & Bennett, LLC - Marc D. Stehli, PE
Location: Southeast corner of Soapberry Avenue and Ondich Road
Proposed Use: Mixed Use
Project Manager: Jean Sanchez
Presented by: Jean Sanchez, Senior Planner

DISCUSSION

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.



DRC: 4/2

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

Ricardo DaVinci Holdings LLC

Name of Applicant	Ricky White
Mailing Address	4453 Shumard Oak Ct
City	Orlando
State	FL
Zip Code	32808
Cell Phone	9193988802
Email	info@ricardodavinchi.com
Is your organization a Non – Profit (501C3) OR Tax Exempt Organization?	No
State of Florida Tax ID Number	58-8019737719-5
Please attach a copy of your Business Tax Receipt for the municipality/county that your business/organization is registered in.	 Business Tax Receipt Document (12).pdf
Name of the Event	Sabor Latino Fest!
Date(s) of the Event	06/14/2025
Hours of the Event	11am-10pm
Location of the Event	Apopka Ampitheater
Does the location of the event take place on Public or Private Property?	Yes
Anticipated attendance:	5000
Briefly describe the event and all activities that will occur during the event:	Live Performances by headliner Ivy Queen and other Spanish acts Over 50 food vendors from all over Latin America Over 200 flag bearers of different Latin dishes Over 15 of Florida's most popular Pop-Ups Over 15 craft and merchandise vendors Cultural activities and our Family Fun Zone (no bounce houses) Car Exhibit
Event Category	• Festival/Celebration
Are there flyers or advertisements for this event?	Yes

Attach Flyer or Advertisement 1



Will there be admission fees to your event?

Yes

Will you be serving alcohol?

Yes

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?

Yes

How many? 30

Will there be merchandising vending at your event?

Yes

How many vendors? 50

Will they need electric?

Yes

Additional fees apply for electric use.

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

~~No~~ Yes
TBD Security Company

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?

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 06/14/2025

Start Time 6:00 AM (EDT)

End Time 10:00 AM (EDT)

Event Dates

Date 06/14/2025

Start Time 11:00 AM (EDT)

End Time 10:00 PM (EDT)

Take Down/Load Out

Date 06/14/2025

Start Time 10:00 PM (EDT)

End Time 11:30 PM (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 Ricky White

Title of Applicant CEO

Date Submitted 06/03/2025

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.

 COI (2).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

Ricky White

Title of Applicant

CEO

Sponsoring Organization Name

ACORD



2024 - 2025



Local Business Tax Receipt

(Formerly known as "Business License "
changed per state law HB1269-2006)

Business Name

RICARDO DAVINCHI HOLDINGS LLC
100 E PINE ST STE 110 PMB 760
ORLANDO, FL 32801

Business Owner

RICARDO DAVINCHI HOLDINGS LLC

Business Location

100 E PINE ST STE 110 PMB 760
ORLANDO, FL

NOTICE-THIS TAX RECEIPT ONLY EVIDENCES
PAYMENT OF THE LOCAL BUSINESS TAX PURSUANT
TO CH.205, FLORIDA STATUTES. IT DOES NOT PERMIT
THE HOLDER TO OPERATE IN VIOLATION OF ANY CITY,
STATE, OR FEDERAL LAW. CITY PERMITTING MUST BE
NOTIFIED OF ANY MATERIAL CHANGE TO THE
INFORMATION FOUND HEREIN BELOW. THIS RECEIPT
DOES NOT CONSTITUTE AN ENDORSEMENT OR
APPROVAL OF THE HOLDER'S SKILL OR
COMPETENCY.

Case Number: BUS-1115245

Issued Date: 03/14/2025

Expiration Date: 09/30/2025

Business type(s):

Description	Year
SERREP 7249 SERVICE	2025

**Local Business Tax Receipt**

City Hall, 400 South Orange Avenue, First Floor
Post Office Box 4990
Orlando, Florida 32802-4990

Phone: 407.246.2204 Fax: 407.246.3420

Email: businesstax@orlando.gov

Prompt! Interactive Voice Response System: 407.246.4444
Visit our website: orlando.gov/permits

DESDE LAS 12:00PM

JUNE 14TH, 2025



SABOR LATINO FEST!

FOOD • MUSIC • DANCE
ARTISTAS INVITADOS Y MÁS

IVY QUEEN

GERARDO CORONEL "EL JERRY"
CALIFLOW LATINO - ORO SÓLIDO - LA SÉPTIMA BANDA

APOPKA AMPHITHEATER

3710 JASON DWELLEY PARKWAY, APOPKA, FL 32712



DRC: 4/2

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- 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

Wolf Lake Middle School Chorus

Name of Applicant	Halle Hoskins
Mailing Address	1725 W PONKAN RD
City	APOPKA
State	Florida
Zip Code	32712
Cell Phone	4079491624
Email	halle.hoskins@ocps.net
Is your organization a Non – Profit (501C3) OR Tax Exempt Organization?	Yes
State of Florida Tax ID Number	59-6000771

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 Business Tax Receipt for the municipality/county that your business/organization is registered in.



2024 W-9 OCPS.pdf



Tax Exempt 4-30-2025.pdf

Name of the Event	ICONIC: WLMS Spring Chorus Concert
Date(s) of the Event	5/5/2025
Hours of the Event	10 AM-8 PM
Location of the Event	Apopka Amphitheatre
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:	Middle School Chorus concert. During the day, from about 10-12, they would be at the amphitheatre rehearsing. The kids would then come back at 5:30 PM. The show would start at 6:00. The show would end at about 7:00. Everyone would be cleared out by about 8 PM.
Event Category	• Concert Performance
Are there flyers or advertisements for this event?	No
Additional Event Information	I would like to use the lighting that is built into the Amphitheatre. I would need the dressing rooms unlocked. I am hiring my own sound company.
Will there be admission fees to your event?	Yes

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?	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?	No
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 05/05/2025

Start Time 8:00 AM (EDT)

End Time 9:00 AM (EDT)

Event Dates

Date 05/05/2025

Start Time 10:00 AM (EDT)

End Time 7:00 PM (EDT)

Take Down/Load Out

Date 05/05/2025

Start Time 7:30 PM (EDT)

End Time 8:00 PM (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 Halle Hoksins

Title of Applicant Choir Director

Date Submitted 03/14/2025

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!

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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

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- 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 'Halle Hoskins', followed by a long horizontal flourish.

Name of Applicant

Halle Hoskins

Title of Applicant

Choir Director

Sponsoring Organization Name

Wolf Lake Middle School Chorus



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

7/15/2024

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 Arthur J. Gallagher Risk Management Services, LLC 200 South Orange Avenue Suite 750 Orlando FL 32801		CONTACT NAME: Carmen J. Bishop PHONE (A/C, No, Ext): 407-563-3546 E-MAIL ADDRESS: Carmen_Bishop@ajg.com FAX (A/C, No): 407-370-3057	
INSURED The School Board of Orange County, Florida 445 W. Amelia Street c/o Risk Management Dept. Orlando FL 32801		INSURER(S) AFFORDING COVERAGE INSURER A: Safety National Casualty Corporation INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:	
		NAIC # 15105	

COVERAGES **CERTIFICATE NUMBER: 1463194234** **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 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 ☐ PRO-JECT ☐ LOC ☐ OTHER:			XPR4068230	7/1/2024	7/1/2025	EACH OCCURRENCE \$ 5,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ Excluded PERSONAL & ADV INJURY \$ Included GENERAL AGGREGATE \$ 5,000,000 PRODUCTS - COMP/OP AGG \$ 5,000,000 SIR: Each Occ \$ 500,000
A	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☒ HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY			XPR4068230	7/1/2024	7/1/2025	COMBINED SINGLE LIMIT (Ea accident) \$ 5,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ SIR: Each Occ \$ 500,000
	☐ UMBRELLA LIAB ☐ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE ☐ DED ☐ RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
A	☒ 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	☐ A	F.S.440.38 SP4066539	7/1/2024 7/1/2024	7/1/2025 7/1/2025	☒ PER STATUTE ☒ OTH-ER SIR \$2,000,000 E.L. EACH ACCIDENT \$ 2,000,000 E.L. DISEASE - EA EMPLOYEE \$ 2,000,000 E.L. DISEASE - POLICY LIMIT \$ 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
**Subject to Florida Statute 768.28, sovereign immunity applies to The School Board of Orange County Florida and therefore, shall be limited to pay any claim or judgement in amounts listed above for CGL and Auto. The School Board of Orange County Florida, in accordance to Florida Statutes 1001.42 and 440.38, has elected to maintain a self-insured program for tort liability and workers compensation, respectively.
Certificate applies to all operations and activities of The SBOC, its schools, elected officials, and employees held on City of Apopka property/facilities or for any services provided to City of Apopka. Questions related to this insurance and agreements with City of Apopka should be directed to riskmanagement@ocps.net and Risk Management of City of Apopka.

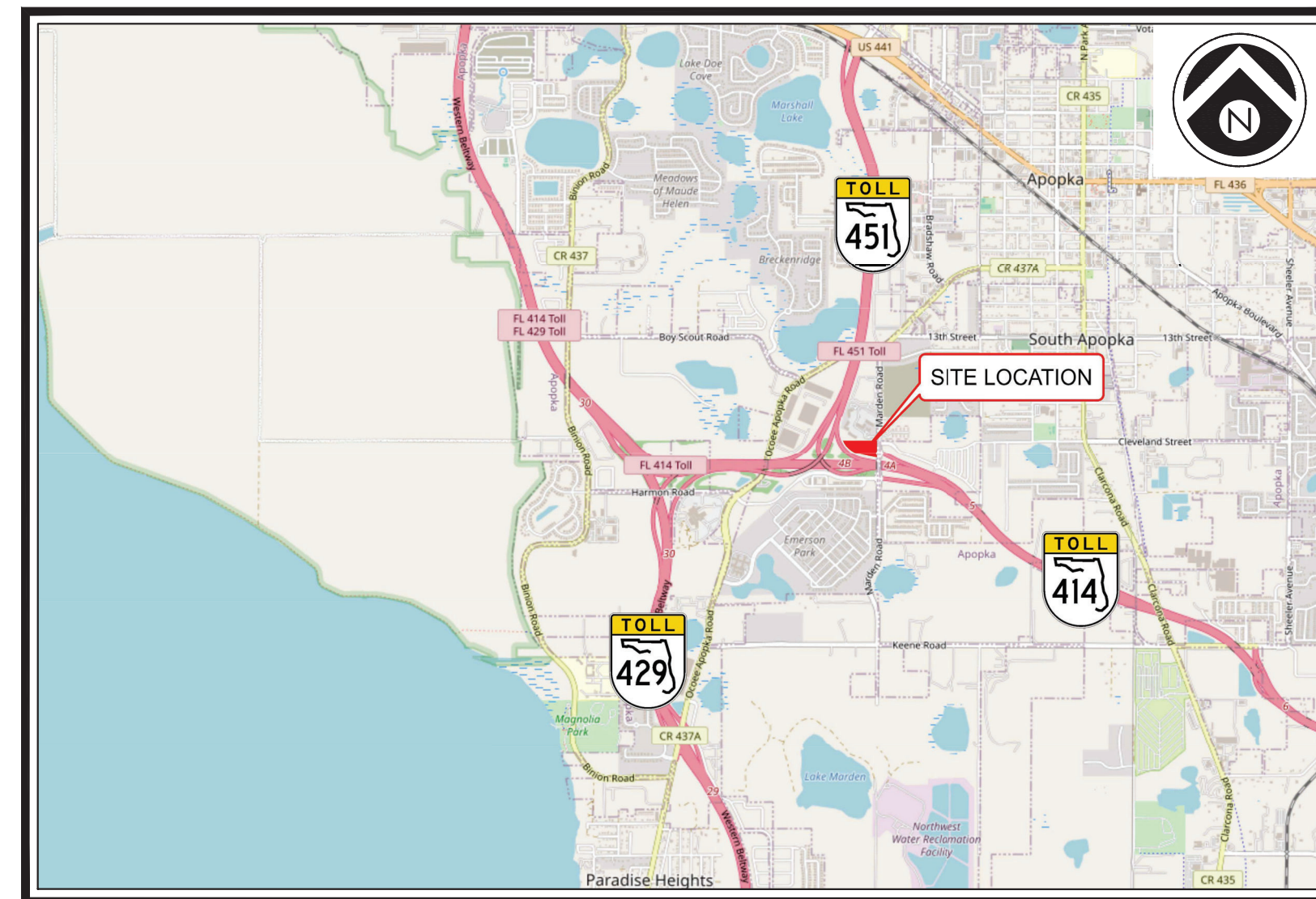
CERTIFICATE HOLDER City of Apopka 120 East Main Street Apopka FL 32704 USA	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
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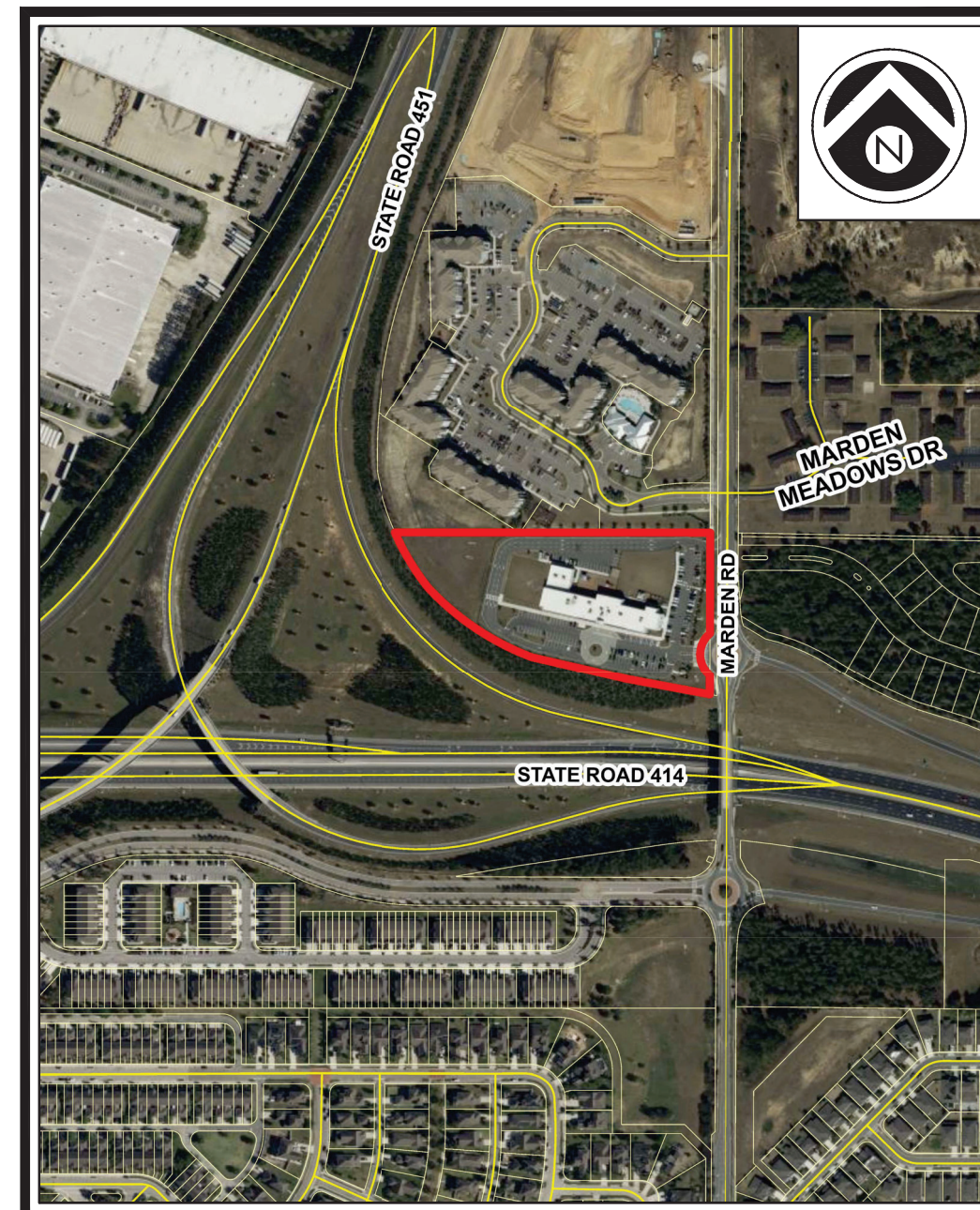
NON-EXCLUSIVE EASEMENTS FOR THE BENEFIT OF PARCEL 1 AS CONTAINED IN ARTICLE 4 OF THE DECLARATION OF COVENANTS, CONDITIONS, RESTRICTIONS AND OBLIGATIONS MARDEN RIDGE RECORDED IN OFFICIAL RECORDS BOOK 11032, PAGE 6298; AS AFFECTED BY FIRST AMENDMENT TO DECLARATION OF COVENANTS, CONDITIONS, RESTRICTIONS AND EASEMENTS RECORDED IN OFFICIAL RECORDS INSTRUMENT #20160536671, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

LANDSCAPE ARCHITECT
LANDSCAPE DESIGNS, LLC
LANDSCAPE ARCHITECT: CARL J. KELLY JR., RLA
2200 WINTER SPRINGS BOULEVARD STE 106-114,
OVEIDO, FL 32765
PHONE: (407) 484-3414
EMAIL: CARLKELLYDLLC@GMAIL.COM

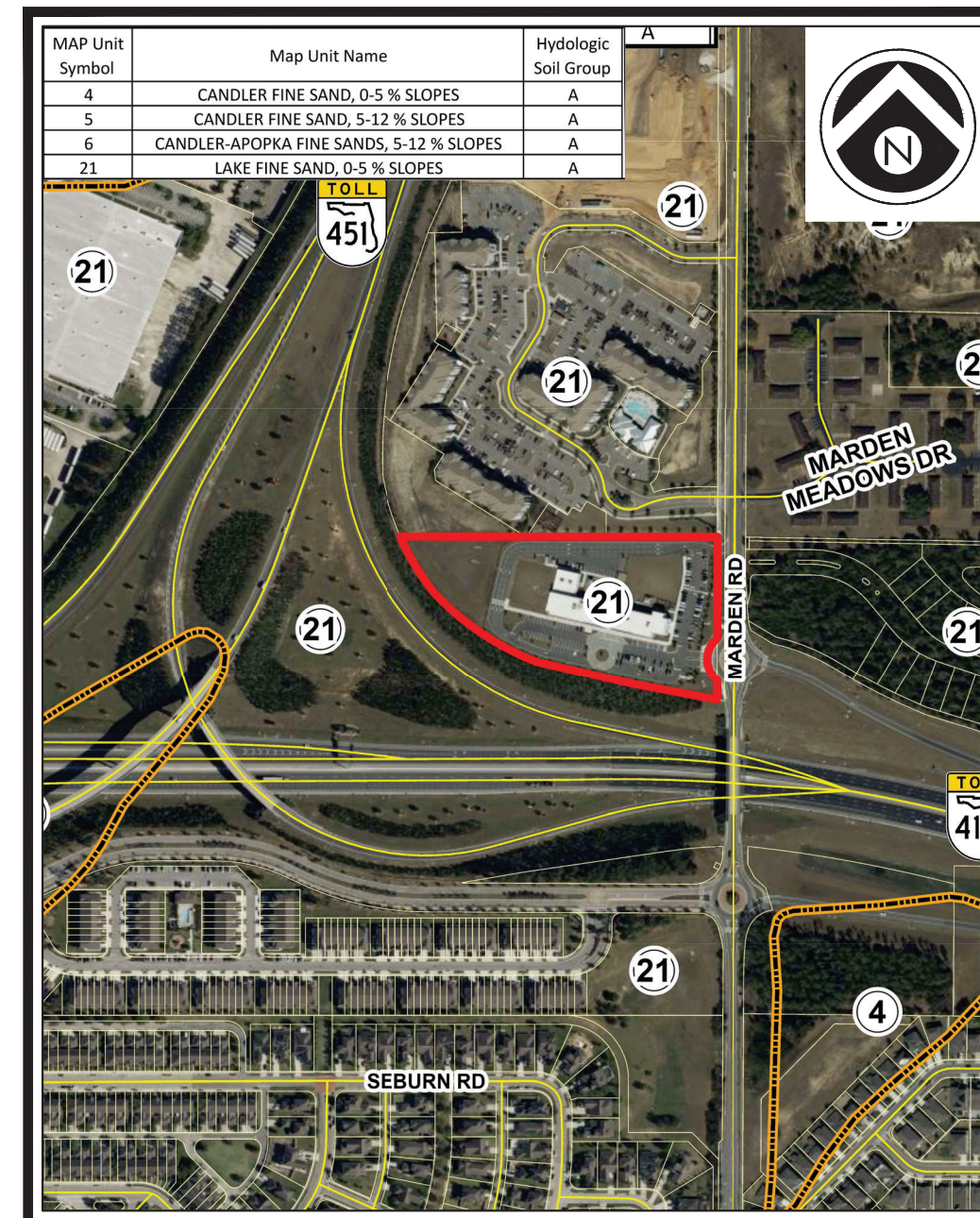
OCPA PARCEL ID: 17-21-28-5501-01-000



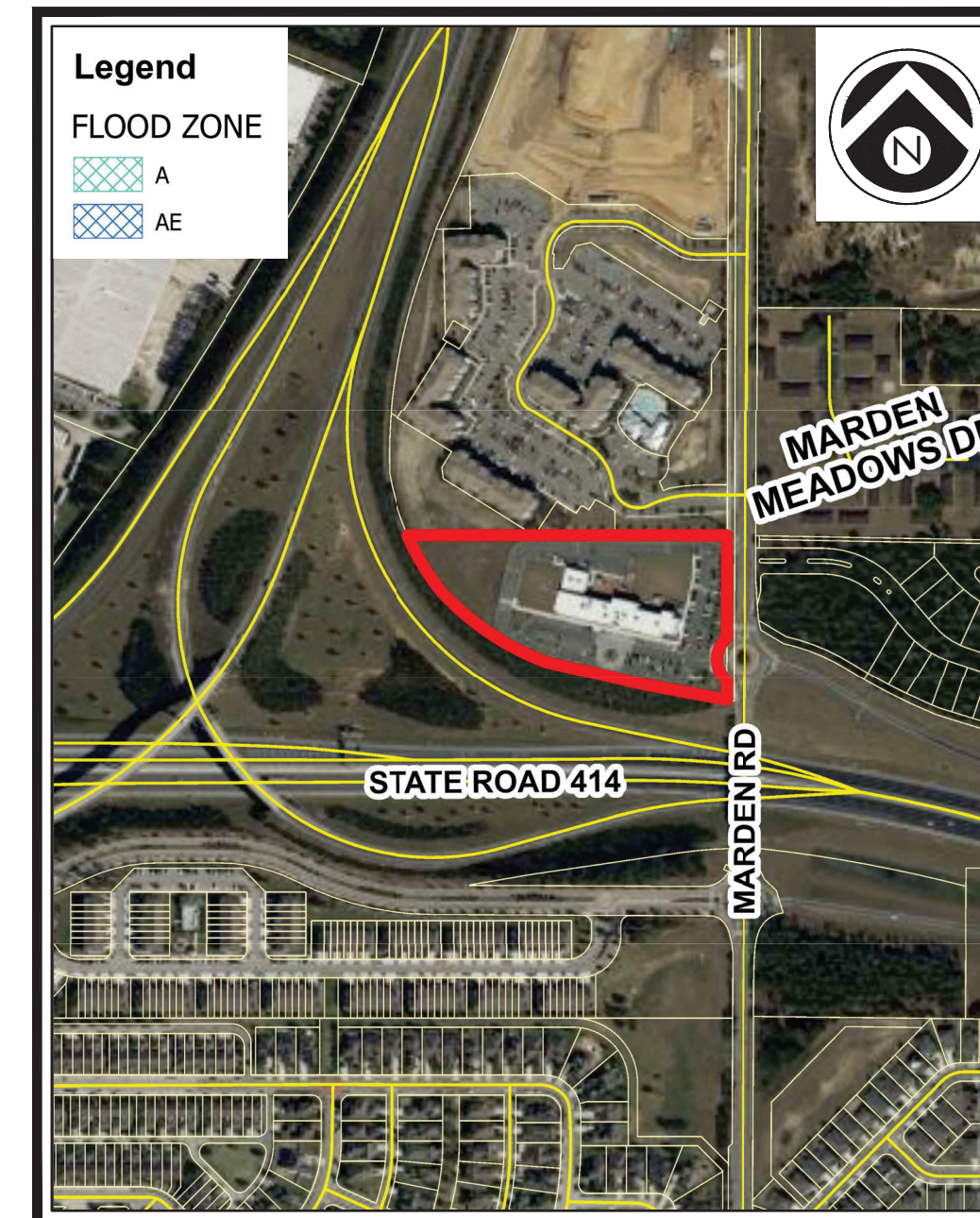
SCALE: 1" = 2,000



SCALE: 1" = 500'



SCALE: 1" = 500'



SCALE: 1" = 500'

1	--	COVER SHEET
2	C1.0	GENERAL NOTES
3	C1.1	SYMBOLS AND ABBREVIATIONS
4	C1.2	EXISTING CONDITIONS
5	C2.0	EROSION CONTROL, DEMO, AND M.O.T. PLAN
6	C2.1	EROSION CONTROL DETAILS
7	C3.0	GEOMETRY PLAN
8	C3.1	FIRE TRUCK ROUTE PLAN
9	C3.2	SIGNAGE AND STRIPING PLAN
10	C3.3	LIGHTING PLAN
11	C4.0	UTILITY NOTES
12	C4.1	UTILITY PLAN
13	C5.0	PAVING AND GRADING PLAN
14	C6.0	DRAINAGE PLAN
15	C7.0	CIVIL DETAILS
16	C7.1	CIVIL DETAILS
17	C8.0	UTILITY DETAILS
18	C9.0	DRAINAGE DETAILS
19		LANDSCAPE PLAN
20		LANDSCAPE PLAN
21		BOUNDARY & TOPOGRAPHIC SURVEY
22		BOUNDARY & TOPOGRAPHIC SURVEY
23		BOUNDARY & TOPOGRAPHIC SURVEY

FIBER/TELEPHONE
CHARTER COMMUNICATIONS
 700 CARILLON PARKWAY, STE 6
 ST. PETERSBURG, FL 33716
 CONTACT: GARY BLEVINS
 PHONE: (813) 302-0800

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P:\PROJECT DRAWINGS\GFP-001 Central FL Prep School Phase 2\Drawings\CAD_Civil3D\Layouts\04 Final Engineering\GENERAL NOTES.dwg Modified: 3/4/2025 By: slancaster Plotted By: amir lopez

GENERAL NOTES

1. UNLESS OTHERWISE SPECIFIED, ALL WORK SHALL BE PERFORMED CONSISTENT WITH THE FOLLOWING SPECIFICATIONS:
- CITY OF APOPKA, FLORIDA

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
2. THE GEOTECHNICAL REPORT SHALL BE REVIEWED BY THE CONTRACTOR, AND THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SITE, INCLUDING ALL SURFACE AND SUBSURFACE CONDITIONS, THE WORK REQUIRED, AND ALL OTHER CONDITIONS THAT MAY AFFECT THE SUCCESSFUL COMPLETION OF THE JOB PRIOR TO COMMENCEMENT OF WORK.
3. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND PERMIT CONDITIONS BEARING ON THE CONDUCT OF THE WORK, AS DRAWN AND SPECIFIED. IF THE CONTRACTOR OBSERVES THAT THE DRAWINGS AND SPECIFICATIONS ARE AT VARIANCE THEREWITH, HE SHALL PROMPTLY NOTIFY THE ENGINEER, IN WRITING, AND ANY NECESSARY CHANGES SHALL BE ADJUSTED, AS PROVIDED IN THE AGREEMENT FOR CHANGES IN THE WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO THE OWNER AND THE ENGINEER FOR THE ACTS AND OMISSIONS OF CONTRACTOR'S EMPLOYEES AND ALL HIS SUBCONTRACTORS AND THEIR AGENTS AND EMPLOYEES AND OTHER PERSONS PERFORMING ANY OF THE WORK UNDER A CONTRACT WITH THE CONTRACTOR.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS WITH GOVERNMENTAL DEPARTMENTS, PUBLIC UTILITIES, PUBLIC CARRIERS, SERVICE COMPANIES, AND CORPORATIONS OWNING OR CONTROLLING ROADWAYS, RAILWAYS, WATER, SEWER, GAS, ELECTRICAL, TELEPHONE, AND TELEGRAPH FACILITIES SUCH AS PAVEMENTS, TRACKS, PIPING, WIRES, CABLES, CONDUITS, POLES, GUYS, OR OTHER SIMILAR FACILITIES, INCLUDING INCIDENTAL STRUCTURES CONNECTED THEREWITH THAT ARE ENCOUNTERED IN THE WORK IN ORDER THAT SUCH ITEMS MAY BE PROPERLY SUPPORTED, PROTECTED OR LOCATED.
6. UNLESS OTHERWISE SPECIFIED IN THE GENERAL CONDITIONS, ALL CONSTRUCTION IS TO BE GOVERNED BY THE PLANS, APPLICABLE PERMITS, AND SPECIFICATIONS HEREIN, AND ALL APPLICABLE FEDERAL, STATE AND LOCAL BUILDING AND SAFETY CODES, LAWS AND ORDINANCES.
7. PRIOR TO PERFORMING ANY WORK WITHIN ANY PUBLIC OR UTILITY RIGHT-OF-WAY, CONTRACTOR SHALL OBTAIN AUTHORIZATION AND PERMIT FROM JURISDICTION RESPONSIBLE FOR SUCH RIGHT-OF-WAY. IN ADDITION, CONTRACTOR SHALL OBTAIN GAS I.D. NUMBER FROM LOCAL GAS COMPANY AND NOTIFY SUNSHINE STATE ONE-CALL UTILITY NOTIFICATION CENTER AT 1-800-432-4770 AT LEAST 48 HOURS PRIOR TO START OF WORK.
8. PRIOR TO PERFORMING ANY WORK WITHIN ANY PUBLIC RIGHT-OF-WAY, CONTRACTOR SHALL DEVELOP AND IMPLEMENT A TRAFFIC CONTROL PLAN CONSISTENT WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, AND SUBMIT TO THE COUNTY ENGINEER FOR APPROVAL.
9. IN THE EVENT THE CONTRACTOR DISCOVERS ANY ERRORS OR OMISSIONS IN THE PLANS HE SHALL IMMEDIATELY NOTIFY THE ENGINEER AND/OR OWNER OR OWNER'S AGENT.
10. CONTRACTOR SHALL PRESERVE AND PROTECT ALL PERMANENT REFERENCE MONUMENTS, PERMANENT CONTROL POINTS, PERMANENT BENCH MARKS AND PROPERTY CORNERS. IN THE EVENT THE MONUMENTS, POINTS OR MARKERS ARE DISTURBED THE CONTRACTOR SHALL EMPLOY A FLORIDA REGISTERED LAND SURVEYOR TO RESET OR REPLACE THEM.
11. THE OWNER, OWNER'S AGENT AND INSPECTORS OF APPLICABLE GOVERNMENT JURISDICTIONS, SHALL AT ALL TIMES HAVE ACCESS TO THE WORK WHEREVER AND WHENEVER IT IS IN PREPARATION OR PROGRESS; AND THE CONTRACTOR SHALL PROVIDE PROPER FACILITIES FOR SUCH ACCESS AND FOR THE INSPECTION.
12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE ALL REASONABLE AND PRUDENT PRECAUTIONS TO INSURE THAT ALL COMPLETED WORK, MATERIALS AND EQUIPMENT STORED ON SITE ARE SAFE AND SECURED FROM UNAUTHORIZED ACCESS, USE, THEFT, OR VANDALISM. SUCH PRECAUTIONS MAY INCLUDE INSTALLATION OF SIGNS, FENCES, OR POSTING OF SECURITY GUARDS.
13. CONTRACTOR SHALL, AT ALL TIMES, UTILIZE ALL NORMALLY ACCEPTED AND REASONABLY EXPECTED SAFETY PRACTICES AND COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND GUIDELINES PERTAINING TO SAFE UTILIZATION OF EQUIPMENT OR MATERIALS AS PUBLISHED BY THEIR MANUFACTURER'S.
14. PRIOR TO INITIATING ANY EXCAVATION (INCLUDING BUT NOT LIMITED TO TUNNELS, DITCHES, STORM WATER PONDS, CANALS, ARTIFICIAL LAKES) CONTRACTOR SHALL INSTALL FENCES AND/OR TAKE ALL OTHER REASONABLE AND PRUDENT STEPS TO INSURE THAT ACCESS TO EXCAVATION BY UNAUTHORIZED PERSONNEL IS PREVENTED.
15. CONTRACTOR SHALL COMPLY IN EVERY RESPECT WITH THE PROVISIONS OF THE FLORIDA STATE TRENCH SAFETY ACT.
16. THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS FOR THE SAFETY OF, AND SHALL PROVIDE ALL REASONABLE PROTECTION TO PREVENT DAMAGE, INJURY OR LOSS TO:
- A. ALL EMPLOYEES ON THE WORK AND ALL OTHER PERSONS WHO MAY BE AFFECTED THEREBY;

B. ALL THE WORK AND ALL MATERIALS AND EQUIPMENT TO BE INCORPORATED THEREIN, WHETHER IN STORAGE ON OR OFF THE SITE, UNDER THE CARE, CUSTODY OR CONTROL OF THE CONTRACTOR OR ANY OF ITS SUBCONTRACTORS;

C. OTHER PROPERTY AT THE SITE OR ADJACENT THERETO, INCLUDING TREES, SHRUBS, LAWNS, WALKS, PAVEMENTS, ROADWAY, STRUCTURES AND UTILITIES NOT DESIGNATED FOR DEMOLITION IN THE COURSE OF CONSTRUCTION.
17. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE SAFETY CODES AND WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC, QUASI PUBLIC OR OTHER AUTHORITY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY OR FOR THEIR PROTECTION AGAINST DAMAGE, INJURY OR LOSS, OR DESIGNED TO PROTECT THE ENVIRONMENT. THE CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY EXISTING CONDITIONS AND PROGRESS OF THE WORK, ALL REASONABLE SAFEGUARDS FOR SAFETY AND PROTECTION, INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS, PROMULGATING SAFETY REGULATIONS AND NOTIFYING OWNERS AND USERS OF ADJACENT UTILITIES OF THE EXISTENCE OF HAZARDS AND OF THE SAFETY REGULATIONS.
18. ALL DAMAGE OR LOSS TO ANY PROPERTY CAUSED IN WHOLE OR IN PART BY THE CONTRACTOR, A SUBCONTRACTOR, OR BY ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, SHALL BE REMEDIED BY THE CONTRACTOR, EXCEPT DAMAGE OR LOSS PROPERLY ATTRIBUTABLE SOLELY TO THE ACTS OR OMISSIONS OF THE OWNER, OR THE ENGINEER OR ANYONE EMPLOYED BY THEM, OR FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, AND NOT PROPERLY ATTRIBUTABLE IN WHOLE OR IN PART, TO THE FAULT OR NEGLIGENCE OF THE CONTRACTOR.
19. THOSE PARTS OF WORK IN PLACE WHICH ARE SUBJECT TO DAMAGE BECAUSE OF OPERATIONS BEING CARRIED ON ADJACENT THERETO SHALL BE COVERED, BOARDED UP OR SUBSTANTIALLY ENCLOSED WITH ADEQUATE PROTECTION BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE.
20. UNTIL FINAL ACCEPTANCE OF THE WORK BY OWNER, THE CONTRACTOR SHALL HAVE THE CHARGE AND CARE OF AND SHALL BEAR THE RISK OF INJURY OR DAMAGE, LOSS OR EXPENSE TO ANY PART THEREOF, OR TO ANY MATERIALS STORED ON SITE, BY THE ACTION OF THE ELEMENTS OR FROM ANY OTHER CAUSE WHETHER ARISING FROM THE EXECUTION OR NON-EXECUTION OF THE WORK, THE CONTRACTOR SHALL REBUILD, REPAIR, RESTORE AND MAKE GOOD ALL INJURIES OR DAMAGES TO ANY PORTION OF THE WORK OCCASIONED BY ANY OF THE ABOVE CAUSES BEFORE FINAL ACCEPTANCE AND SHALL BEAR THE EXPENSES THEREOF.
21. ADEQUATE TRAFFIC CONTROL, BARRICADES AND FLAGMAN SERVICES SHALL BE FURNISHED AND MAINTAINED BY THE CONTRACTOR AT ALL POINTS WHERE CONVEYING EQUIPMENT ENGAGED ON THE WORK REGULARLY ENTERS ONTO OR CROSSES TRAFFIC-CARRYING ROADS.
22. THE CONTRACTOR SHALL COMPLY IN EVERY RESPECT WITH THE FEDERAL OCCUPATIONAL HEALTH AND SAFETY ACT OF 1970 AND ALL RULES AND REGULATIONS NOW OR HEREAFTER IN EFFECT UNDER SAID ACT, AND THE CONTRACTOR FURTHER AGREES TO COMPLY WITH ANY AND ALL APPLICABLE STATE LAWS AND REGULATIONS PERTAINING TO JOB SAFETY AND HEALTH.
23. CONTRACTOR AND ITS SUBCONTRACTORS SHALL USE, HANDLE, TRANSPORT, AND DISPOSE OF ALL MATERIALS (HAZARDOUS OR OTHERWISE) IN COMPLIANCE WITH ALL PRESENT FEDERAL, STATE AND LOCAL ENVIRONMENTAL, HEALTH OR SAFETY LAW, INCLUDING, BUT NOT LIMITED TO, ALL SUCH STATUTES, REGULATIONS, RULES, ORDINANCES, CODES, AND RULES OF COMMON LAW.

24. CONTRACTOR FURTHER AGREES THAT CONTRACTOR AND ITS SUBCONTRACTORS SHALL NOT CAUSE THE DISCHARGE, RELEASE OR DISPOSAL OF ANY HAZARDOUS MATERIAL CREATED BY ITS WORK ON OR ABOUT THE JOB SITE. IN THE EVENT OF ANY SPILL, RELEASE OR ANY OTHER REPORTABLE OCCURRENCE, CONTRACTOR SHALL NOTIFY THE APPROPRIATE GOVERNMENTAL AGENCY AND SHALL TAKE SUCH ACTION AS MAY BE NECESSARY TO MINIMIZE THE DELETERIOUS EFFECT OF SUCH SPILL ON PERSONS OR PROPERTY.
25. THE CONTRACTOR SHALL PROTECT AND KEEP OWNER (INCLUDING THEIR AGENTS AND EMPLOYEES) FREE AND HARMLESS FROM ANY AND ALL LIABILITY, PUBLIC OR PRIVATE, PENALTIES, CONTRACTUAL OR OTHERWISE, LOSSES, DAMAGES, COSTS, ATTORNEY'S FEES, EXPENSES, CAUSES OF ACTION, CLAIMS OR JUDGMENTS RESULTING FROM THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AS AMENDED OR ANY RULE OR REGULATION PROMULGATED THEREUNDER OR OF ANY STATE LAWS OR REGULATIONS PERTAINING TO JOB SAFETY AND HEALTH ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PERFORMANCE OF WORK OR WORK TO BE PERFORMED UNDER THIS CONTRACT, AND CONTRACTOR SHALL INDEMNIFY OWNER FROM ANY SUCH CLAIMS, PENALTIES, SUITS OR ACTIONS, PUBLIC OR PRIVATE, ADMINISTRATIVE OR JUDICIAL, INCLUDING ATTORNEY'S FEES PAID OR INCURRED BY OR ON BEHALF OF OWNER, JOINTLY OR SEVERALLY, AND/OR THEIR AGENTS AND EMPLOYEES. THE CONTRACTOR FURTHER AGREES, IN THE EVENT OF A CLAIMED VIOLATION OF ANY FEDERAL OR STATE SAFETY AND HEALTH LAW OR REGULATION ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE PERFORMANCE OF WORK OR WORK TO BE PERFORMED UNDER THIS CONTRACT, OWNER MAY IMMEDIATELY TAKE WHATEVER ACTION IS DEEMED NECESSARY BY OWNER TO REMEDY THE CLAIMED VIOLATION. ANY AND ALL COSTS OR EXPENSES PAID OR INCURRED BY OWNER IN TAKING SUCH ACTION SHALL BE BORNE BY CONTRACTOR, AND CONTRACTOR AGREES TO PROTECT, HOLD HARMLESS AND INDEMNIFY OWNER AGAINST ANY AND ALL SUCH COSTS OR EXPENSES.
26. CONTRACTOR AND ITS SUBCONTRACTORS SHALL, UPON COMPLETION OF PERFORMANCE OF ALL DUTIES UNDER THIS CONTRACT, REMOVE ALL SUPPLIES, MATERIALS, AND WASTE CONTAINING AND HAZARDOUS MATERIAL FROM THE JOB SITE. CONTRACTOR SHALL BEAR FULL FINANCIAL RESPONSIBILITY, AS BETWEEN THE PARTIES OF THIS CONTRACT, FOR THE COMPLIANCE OF CONTRACTOR AND ITS SUBCONTRACTORS WITH THE PROVISIONS OF THIS CONTRACT.
27. CONTRACTOR AGREES TO INDEMNIFY, DEFEND, PROTECT AND HOLD THE OWNER HARMLESS FROM AND AGAINST ANY CLAIMS INCLUDING, WITHOUT LIMITATION, ACTUAL ATTORNEY'S FEES AND ANY COSTS OF INVESTIGATION, SOILS TESTING, GOVERNMENTAL APPROVALS, REMEDIATION AND CLEANUP ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE FAILURE OF CONTRACTOR OR ITS SUBCONTRACTORS, OR THEIR AGENTS, EMPLOYEES, OFFICERS, OR REPRESENTATIVES, TO COMPLY WITH THE TERMS OF THESE CONSTRUCTION DOCUMENTS.
28. SHOULD CONTRACTOR OR ITS SUBCONTRACTORS DISCHARGE, RELEASE OR DISPOSE OF ANY HAZARDOUS MATERIAL ON OR ABOUT THE JOB SITE IN VIOLATION OF THESE CONSTRUCTION DOCUMENTS, CONTRACTOR SHALL IMMEDIATELY SO INFORM OWNER & ENGINEER IN WRITING. IN THE EVENT OF ANY SPILL, RELEASE OR ANY OTHER REPORTABLE OCCURRENCE, CONTRACTOR SHALL NOTIFY THE APPROPRIATE GOVERNMENTAL AGENCY, OWNER & ENGINEER AND SHALL TAKE SUCH ACTION AS MAY BE NECESSARY TO MINIMIZE THE DELETERIOUS EFFECT OF SUCH SPILL ON PERSONS OR PROPERTY.
29. IN THE EVENT CONTRACTOR OR ITS SUBCONTRACTORS ENCOUNTER ON THE PREMISES ANY PIPELINE, UNDERGROUND STORAGE TANK OR OTHER CONTAINER, OF ANY KIND, THAT MAY CONTAIN A HAZARDOUS MATERIAL, OR ENCOUNTER MATERIAL REASONABLY BELIEVED TO BE A HAZARDOUS MATERIAL, CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AREA AFFECTED AND REPORT THE CONDITION TO OWNER AND/OR ENGINEER IN WRITING.
30. "HAZARDOUS MATERIAL" MEANS ANY SUBSTANCE: (A) THE PRESENCE OF WHICH REQUIRES INVESTIGATION OR REMEDIATION UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, ORDINANCE, RULE, CODE, ORDER, ACTION, POLICY OR COMMON LAW, OR (B) WHICH IS OR BECOMES DEFINED AS A "HAZARDOUS WASTE," "HAZARDOUS SUBSTANCE," POLLUTANT OR CONTAMINANT UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, RULE OR ORDINANCE OR AMENDMENTS THERETO INCLUDING, WITHOUT LIMITATION, THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (42 U.S.C. SECTIONS 9601 ET SEQ.) AND/OR THE RESOURCE CONSERVATION AND RECOVERY ACT (42 U.S.C. SECTIONS 6901 ET SEQ.), OR (C) WHICH IS TOXIC, EXPLOSIVE, CORROSIVE, FLAMMABLE, INFECTIOUS, RADIOACTIVE, CARCINOGENIC, MUTAGENIC, OR OTHERWISE HAZARDOUS AND IS REGULATED BY ANY GOVERNMENTAL AUTHORITY, AGENCY, DEPARTMENT, COMMISSION, BOARD, AGENCY OR INSTRUMENTALITY OF THE UNITED STATES, THE STATE IN WHICH THE PREMISES ARE LOCATED OR ANY POLITICAL SUBDIVISION THEREOF, OR (D) THE PRESENCE OF WHICH ON THE PREMISES CAUSES OR THREATENS TO CAUSE A NUISANCE UPON THE PREMISES OR TO ADJACENT PROPERTIES OR POSES OR THREATENS TO POSE A HAZARD TO THE HEALTH OR SAFETY OF PERSONS ON OR ABOUT THE PREMISES, OR (E) WHICH CONTAINS GASOLINE, DIESEL FUEL OR OTHER PETROLEUM HYDROCARBONS, OR (F) WHICH CONTAINS POLYCHLORINATED BIPHENYLS (PCBS), ASBESTOS, LEAD OR UREA FORMALDEHYDE FOAM INSULATION.
31. THE CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES AS TO SIZE, LOCATION, AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY AND ALL CONFLICTS, DEVIATIONS OR OMISSIONS TO THESE CONSTRUCTION DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
32. IF ANY TESTING, INSPECTION OR APPROVAL REVEAL DEFECTIVE WORK, CONTRACTOR SHALL NOT BE ALLOWED TO RECEIVE ANY ASSOCIATED COSTS AND THE OWNER SHALL BE ENTITLED TO DEDUCT FROM THE CONTRACT PRICE, BY ISSUING A CHANGE ORDER, OWNER'S COSTS ARISING OUT OF THE DEFECTIVE WORK, INCLUDING COSTS OF REPEATED PROCEDURES, COMPENSATION FOR ENGINEER'S AND DESIGN ENGINEER'S SERVICES AND ALL OTHER RELATED COSTS.

ADDITIONAL NOTES

1. COORDINATE DATA AND HORIZONTAL ROTATION ARE RELATIVE TO FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83/90, ESTABLISHED BY STATE PLANE COORDINATES PROVIDED IN CERTIFIED CORNER RECORDS FOR SECTION CORNERS SHOWN HEREON.
2. BEARINGS SHOWN HEREON ARE BASED ON THE NORTH LINE OF THE NORTHEAST 1/4 OF SECTION 20, TOWNSHIP 21 SOUTH, RANGE 28 EAST, THAT BEARING BEING S 89°56'42" E.
3. ELEVATIONS SHOWN HEREON ARE BASED ON ORANGE COUNTY BENCHMARK "L1549006", ELEVATION=95.293. ALL ELEVATIONS ARE RELATIVE TO NAVD 88 DATUM.
4. ALL TRAFFIC CONTROL DEVICES AND SIGNAGE SHALL MEET OR EXCEED CURRENT F.D.O.T. AND MUNICIPALITY SPECIFICATIONS, AND MEET THE REQUIREMENTS OF CHAPTER 316 FLORIDA STATUTES.
5. ALL WORK SHALL BE IN ACCORDANCE WITH CURRENT MUNICIPALITY STANDARDS AND SPECIFICATIONS. IF A CONFLICT OCCURS THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR A DETERMINATION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH ANY OTHER CONTRACTORS WHO MAY BE PERFORMING WORK AT THE PROJECT SITE.
7. EXISTING FACILITIES THAT ARE NOT SHOWN TO BE DEMOLISHED AND ARE DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO A CONDITION EQUIVALENT TO THAT WHICH EXISTED PRIOR TO COMMENCEMENT OF CONSTRUCTION. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK.
8. THE CONTRACTOR SHALL KEEP AND MAINTAIN ON THE JOB SITE AN ACCURATE & UP TO DATE SET OF AS-BUILT DRAWINGS. THESE DRAWINGS SHALL INCLUDE LOCATIONS AND ELEVATIONS OF MAINS, FITTINGS, VALVES, SERVICES, CASINGS, AND OTHER APPURTENANCES AS WELL AS ANY DEVIATIONS FROM THAT WHICH IS SHOWN IN THE PLANS. THESE AS-BUILT DRAWINGS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE UPON COMPLETION OF THE WORK FOR HIS REVIEW AND USE.
9. THE CONTRACTOR SHALL MAINTAIN COPIES OF ALL APPLICABLE PERMITS ON-SITE AND SHALL BE RESPONSIBLE TO ADHERE TO ALL PERMIT CONDITIONS DURING CONSTRUCTION.
10. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING & OBTAINING ALL REQUIRED PERMITS AS REQUIRED BY ALL REGULATORY AUTHORITIES.
11. ALL REINFORCED CONCRETE PIPE (RCP) SHALL BE CLASS III UNLESS OTHERWISE SPECIFIED.
12. ALL EARTHWORK SHALL BE SODDED/SEEDED UNLESS OTHERWISE NOTED.

HANDICAP ACCESSIBILITY NOTES:

1. ALL CONSTRUCTION MUST MEET OR EXCEED ALL REQUIREMENTS AS OUTLINED IN THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE FLORIDA ACCESSIBILITY CODE, MOST RECENT EDITIONS. BOTTOM OF CURB RAMP ELEVATION (B.O. RAMP) IS RELATIVE TO EACH CURB RAMP CONDITION. ACTUAL ELEVATIONS SHALL BE BASED ON EXISTING GRADE OF CURB FLOW LINE AT THE B.O. RAMPS.
2. TOP OF CURB ELEVATION ADJACENT TO B.O. RAMP = 0.50 FT. MAX. UNLESS OTHERWISE NOTED.
3. ADA REQUIREMENTS SUPERSEDE SPOT GRADES AT LOT LINES. CONTRACTOR TO CUT BACK SLOPE AT 3:1 OR FLATTER AS NEEDED FOR RAMP AND SIDEWALK CONNECTION.
4. REFER TO PLAN SHEETS AND SECTIONS FOR LOCATIONS AND SIDEWALK WIDTHS.
5. THE DETECTABLE WARNING STRIP SHALL CONSIST OF A 24 INCH WIDE TACTILE PATTERN OF RAISED TRUNCATED DOMES (ALIGNED PATTERN). DOMES SHALL HAVE A DIAMETER OF 0.9 INCH, A HEIGHT OF 0.2 INCH, AND A CENTER TO CENTER SPACING OF 2.35 INCHES. THE RAMP DETECTABLE WARNING STRIP SHALL BE CONTRASTING IN COLOR. THE MATERIAL USED TO PROVIDE CONTRAST SHALL CONTRAST BY AT LEAST 70%.
6. THE CROSS SLOPE OF RAMP SURFACES AND ADJACENT STREET GRADES SHALL BE NO MORE THAN 1:50 OR 2% MAXIMUM.
7. CURB RAMPS CONSTRUCTED BY THE CONTRACTOR SHALL MEET ALL CURRENT APPLICABLE A.D.A. REQUIREMENTS AND SHALL HAVE DETECTABLE WARNING COMPLYING WITH A.D.A. REQUIREMENTS. ACCESSIBILITY ROUTES SHALL MEET ALL APPLICABLE A.D.A. REQUIREMENTS.
8. CONTRACTOR TO REFER TO ORANGE COUNTY DETAILS AS NEEDED.
9. DRIVEWAY/ROADWAY CROSS SLOPES AT CROSSWALKS SHALL BE MAXIMUM 2% PER ADA REQUIREMENTS.
10. SIDEWALK CROSS SLOPES SHALL BE MAXIMUM 2% PER ADA REQUIREMENTS.
11. CURB RAMP FLARES & LANDINGS SHALL MEET ADA REQUIREMENTS.
12. ACCESSIBLE ROUTE WITH RUNNING SLOPES GREATER THAN 1:20 IS A RAMP AND SHALL COMPLY WITH ADA RAMP REQUIREMENTS.
13. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO MEET ALL CURRENT ADA STANDARDS. CONTRACTOR SHALL REFER TO FDOT STANDARDS. (INDEX 304, MOST CURRENT EDITION)

RECORD DRAWING AS-BUILT REQUIREMENTS:

AS-BUILT DRAWINGS SHALL BE PREPARED BY AND CERTIFIED (SIGNED AND SEALED) BY A REGISTERED SURVEYOR, AND SHALL BE PROVIDED TO THE ENGINEER OF RECORD UPON COMPLETION OF THE PROJECT SITE IMPROVEMENTS A MINIMUM OF 1 WEEK PRIOR TO CONTRACTORS ATTEMPT FOR FINAL CERTIFICATE OF OCCUPANCY (CO). AS-BUILT DRAWINGS SHALL REFLECT ANY CHANGES TO THE IMPROVEMENTS MADE DURING CONSTRUCTION AND MUST MEET THE MINIMUM REQUIREMENTS OF ALL REGULATORY AGENCIES HAVING JURISDICTION AS WELL AS THE CRITERIA OUTLINED BELOW. BOTH THE ORIGINAL DESIGN AND REVISED AS-BUILT DATA, AS APPLICABLE, MUST BE CLEARLY SHOWN. THE AS-BUILT DRAWINGS MUST BE CLEARLY LABELED AS AS-BUILT OR RECORD DRAWING. THE FOLLOWING INFORMATION, AT A MINIMUM, SHALL BE CERTIFIED ON THE AS-BUILT DRAWINGS:

WATER DISTRIBUTION SYSTEM:

- A. LOCATION AND DIMENSIONS OF PIPES, VALVES, FITTINGS, CHANGE OF DIRECTION, AND OTHER ASSOCIATED FACILITIES.

WASTEWATER COLLECTION/TRANSMISSION SYSTEM:

- A. LOCATION, DIMENSION, AND INVERT ELEVATIONS OF PIPES, MANHOLES (INCLUDING RIM ELEVATION), LIFTSTATION, FORCEMAIN, FITTINGS, CHANGE IN DIRECTION AND OTHER ASSOCIATED FACILITIES.

PAVING AND DRAINAGE SYSTEM:

- A. DIMENSIONS AND ELEVATIONS OF ALL DISCHARGE STRUCTURES INCLUDING ALL WEIRS, SLOTS, GATES, PIPES, AND SKIMMERS;
- B. LOCATIONS, DIMENSIONS, AND ELEVATIONS OF ALL FILTER, EXFILTRATION, OR UNDERDRAIN SYSTEMS INCLUDING CLEANOUTS, PIPES, CONNECTIONS TO CONTROL STRUCTURES, AND POINTS OF DISCHARGE TO THE RECEIVING WATERS;
- C. DIMENSIONS, ELEVATIONS, CONTOURS, OR CROSS-SECTIONS OF ALL STORMWATER TREATMENT POND STORAGE AREAS SUFFICIENT TO DETERMINE STAGE-STORAGE RELATIONSHIPS OF THE STORAGE AREA, AND THE POND DEPTH AND VOLUME BELOW THE CONTROL WATER ELEVATION FOR NORMALLY WET SYSTEMS;
- D. DIMENSIONS, ELEVATIONS, CONTOURS, FINAL GRADES, OR CROSS-SECTIONS OF THE DRAINAGE SYSTEM IMPROVEMENTS TO DETERMINE FLOW DIRECTIONS AND CONVEYANCE OF RUNOFF TO THE TREATMENT SYSTEM;
- E. DIMENSIONS, ELEVATIONS, CONTOURS, FINAL GRADES, OR CROSS-SECTIONS OF ALL CONVEYANCE SYSTEMS UTILIZED TO CONVEY OFF-SITE RUNOFF AROUND THE SYSTEM;
- F. EXISTING WATER ELEVATION OF SURFACE WATERS AND THE DATE DETERMINED;
- G. ELEVATION AND LOCATION OF BENCHMARK'S FOR THE SURVEY.

ADA FACILITIES:

- A. ELEVATIONS AT THE FOUR CORNERS OF ALL HANDICAP PARKING SPACES AND ADJACENT LOADING AISLES.
- B. ELEVATIONS AND LOCATIONS FOR ALL ACCESSIBLE RAMPS WHICH ADEQUATELY REFLECT THE BUILT SLOPES.
- C. ELEVATIONS AND LOCATIONS ALONG THE PATHS OF CONVEYANCE FOR PEDESTRIAN TRAFFIC AND ALL ADA ACCESSIBLE ROUTES EVERY 25 FT. WHICH ADEQUATELY REFLECT THE SLOPE AND CROSS SLOPE.

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STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION NO. 1212

GENERAL NOTES

CENTRAL FLORIDA PREPATORY SCHOOL – PHASE 2

CITY OF APOPKA, FLORIDA

SCALE: N.T.S.

PROJECT: CFP-001

SHEET: C1.0

DRAWN: S. LANCASTER

DESIGNED: L. CLASSON

CHECKED: L. CLASSON

DATE: 1/20/2025

APPIAN ENGINEERING

LUKE MARTIN CLASON

No 77066

STATE OF FLORIDA

PROFESSIONAL ENGINEER

DESCRIPTION

REV.

DATE

BY

ABBREVIATIONS

A	AREA
AB	ANCHOR BOLT
ABD	ABANDON(ED)
AC	ACRE(S)
AC-FT	ACRE FOOT/FEET
ACP	ASBESTOS CEMENT PIPE
ADDL	ADDITIONAL
ADT	AVERAGE DAILY TRAFFIC
AL	ALUMINUM
ALT	ALTERNATE
AM	BEFORE NOON
AMP	AMPERE(S)
APPROX	APPROXIMATE
ARV	AIR RELEASE VALVE
ARVV	AIR RELEASE VACUUM VALVE
ASPH	ASPHALT
ASSY	ASSEMBLY
AVE	AVENUE
AVG	AVERAGE
AZ	AZIMUTH

B	
BFP	BACKFLOW PREVENTER
BL	BASELINE
BLDG	BUILDING
BLVD	BULEVARD
BM	BENCH MARK
BND	BOUNDARY
BO	BLOWOFF
BOC	BACK OF CURB
BOT	BOTTOM
BRG	BEARING
BS	BOTTOM OF SLOPE
BV	BUTTERFLY VALVE

C	
CAP	CAPACITY
CB	CATCH BASIN
CC	CENTER TO CENTER
CEM	CEMENT
CF	CUBIC FEET
CFM	CUBIC FEET PER MINUTE
CFS	CUBIC FEET PER SECOND
C&G	CURB AND GUTTER
CI	CAST IRON
CIP	CAST IRON PIPE
CJ	CONSTRUCTION JOINT
C/L	CENTER LINE
CLP	CONCRETE LIGHT POLE
CLR	CLEAR/CLEARANCE
CLS	CLASS
CM	CONCRETE MONUMENT
CMP	CORRUGATED METAL PIPE
CMPA	CORRUGATED METAL PIPE ARCH
CND	CONDUIT
CO.	COUNTY
CO	CLEANOUT
COL	COLUMN
COMP	COMPLETE
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCT(ION)
CONT	CONTINUOUS
COORD	COORDINATE(S)
COR	CORNER
CPLG	COUPLING
CPP	CONCRETE POWER POLE
CS	CONTROL STRUCTURE
CTG	COATING
CTR	CENTER
CTV	CABLE TELEVISION
CULV	CULVERT
CY	CUBIC YARD
CYL	CYLINDER

D	
DBL	DOUBLE
DEG OR	DEGREE
DEFL	DEFLECT(ION)
DEPT	DEPARTMENT
DET	DETAIL
DHWL	DESIGN HIGH WATER LEVEL
DI	DUCTILE IRON
DIA	DIAMETER
DIAG	DIAGONAL
DM	DIMENSION
DIP	DUCTILE IRON PIPE
DISCH	DISCHARGE
DIST	DISTANCE
DNH	DROP MANHOLE
DN	DOWN
DRN	DRAIN
DWO	DRAWING
DWY	DRIVEWAY

E	
EA	EAST
EC	EACH
ED	EDGE OF CONCRETE
ED	ENERGY DISSIPATOR
EF	EACH FACE
EFF	EFFLUENT
EG	EXISTING GRADE
E/L	EASEMENT LINE
ELB	ELBOW
ELEC	ELECTRIC
ELEV	ELEVATION
ELLIPSE	ELLIPSE/ELLIPTICAL
ENC	ENCASEMENT
ENG	ENGINEER(ING)
ENG	EDGE OF PAVEMENT
EQ	EQUAL/EQUATION
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ESMT	EASEMENT
EST	ESTIMATE
EW	EACH WAY
EWL	EXCAVATE/EXCAVATION
EXC	EXISTING
EXIST	EXPAND/EXPANSION
EXP	EXTEND/EXTENSION

F	
F&C	FRAME AND COVER
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FLORIDA DEPARTMENT OF TRANSPORTATION
FDOT	FINISHED FLOOR
FF	FINISHED GRADE
FG	FIRE HYDRANT
FH	FURNISH AND INSTALL
FIG	FOUR
FIN	FINISHED
FIT	FITTING
FL	FENCE LINE
FLR	FLOOR
FLEX	FLEXIBLE
FLG	FLANGE
FM	FORCE MAIN
FND	FOUND
FPH	FEET PER HOUR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET/FOOT
FTG	FOOTING

G	
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GM	GAS MAIN
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GFM	GALLONS PER MINUTE
GPS	GALLONS PER SECOND
GRD	GUARD RAIL
GRD	GROUND/GRADE
GSP	GALVANIZED STEEL PIPE
GV	GATE VALVE
GV&B	GATE VALVE AND BOX
GW	GLY WIRE
GWT	GROUND WATER TABLE

H	
HB	HOSE BIBB
HDW	HARDWARE
HORIZ	HORIZONTAL
HP	HORSEPOWER
HR	HOUR
HT	HEIGHT
HW	HEADWALL
HWL	HIGH WATER LEVEL
HWY	HIGHWAY
HYD	HYDRAULIC

I-4	INTERSTATE HIGHWAY
IA	INTERSECTION ANGLE
ID	INSIDE DIAMETER
IF	INSIDE FACE
IN	INCHES
INL	INLET
INS	INSERT
INST	INSTALL
IP	IRON PIPE
IR	IRON ROD
INT	INTERSECT/INTERSECTION
INV	INVERT

J	
JB	JUNCTION BOX
JCT	JUNCTION
JOIST	JOIST
JT	JOINT

L	
L	LENGTH
LAT	LATITUDE
LATL	LATERAL
LB	ROUND
LF	LINEAR FEET/FOOT
LG	LONG
LM	LIMIT(S)
LP	LIGHT POLE
LONG	LONG
LWL	LOW WATER LEVEL

M	
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
ME	MITERED END
MFR	MANUFACTURER
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MHC	MANHOLE COVER
MHWL	MEAN HIGH WATER LEVEL
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
MLP	METAL LIGHT POLE
MLWL	MEAN LOW WATER LEVEL
MON	MONUMENT
MPH	MILES PER HOUR
MSL	MEAN SEA LEVEL
MTG	MOUNTING

N	
N	NORTH
NA	NOT APPLICABLE
N&C	NAIL AND CAP
NW	NORTHEAST
NG	NATURAL GROUND
NO	NOT IN CONTRACT
NIC	NUMBER
NOM	NOMINAL
NTP	NOT TO PROCEED
NTS	NOT TO SCALE
NW	NORTHWEST
NWL	NORMAL WATER LEVEL

O	
OC	ON CENTER
OD	OUTSIDE DIAMETER
OE	OR EQUAL
OPNG	OPENING
OPP	OPPOSITE
ORCP	OVAL REINFORCED CONCRETE PIPE
OS	OUTFALL STRUCTURE
OVL	OVERFLOW
OVDH	OVERHEAD

P	
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PEP	POLYETHYLENE PIPE
PI	POINT OF INTERSECTION
PV	POST INDICATOR VALVE
P/L	PROPERTY LINE
POB	POINT OF BEGINNING
POJ	PUSH ON JOINT
POS	POINT OF SERVICE
PP	POWER POLE
PR	PHONE RISER
PRC	POINT OF REVERSE CURVATURE
PRESS	PRESSURE
PROJ	PROJECT
PROP	PROPOSED
PRVC	POINT OF REVERSE VERTICAL CURVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENCY
PVC	POLYVNYL CHLORIDE
PVMT	PAVEMENT
PWR	POWER

Q	
Q	FLOW RATE

R	
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RCPA	REINFORCED CONCRETE PIPE ARCH
RD	ROAD
RDY	ROADWAY
RED	REDUCER
REF	REFERENCE
REINF	REINFORCE(D)
REQD	REQUIRED
REV	REVISE/REVISION
RPM	REVOLUTIONS PER MINUTE
RR	RAILROAD
RT	RIGHT
RV	RELIEF VALVE
R/W	RIGHT-OF-WAY
RWM	REUSE WATER MAIN

S	
S	SOUTH
SAN	SANITARY SEWER
SB	SPLASH BLOCK
SCH	SCHEDULE
SD	SIDE DRAIN
SDN	SHELF DRAIN
SE	SOUTHEAST
SEC	SECONDS
SECT	SECTION
SH	SHEET
SHGW	SEASONAL HIGH GROUND WATER TABLE
SIM	SIMILAR
S/L	SETBACK LINE
SL	SLOPE
SM	SHEET METAL
SPEC	SPECIFICATION(S)
SQ	SQUARE
SQ IN	SQUARE INCH(ES)
SQ FT	SQUARE FOOT/FEET
SQ YD	SQUARE YARD(S)
SR	STATE ROAD
SS	STAINLESS STEEL
ST	STREET
STA	STATION
STD	STANDARD
STL	STEEL
STR	STRUCTURE
STS	STORM SEWER
SUP	SUPPORT
SUSP	SUSPEND/SUSPENSION
SVC	SERVICE
SW	SOUTHWEST
SWK	SIDEWALK
SYM	SYMBOL(S)
SYMM	SYMMETRICAL
SYS	SYSTEM

T	
T	TANGENT
TB	TURBBLOCK
T&B	TOP AND BOTTOM
TBM	TEMPORARY BENCH MARK
TE	TIME OF CONCENTRATION
TD	TRENCH DRAIN
TDH	TOTAL DYNAMIC HEAD
TECH	TECHNICIAN/TECHNICAL
TEMP	TEMPORARY
TL	TERMINAL LAMPPOLE
TOB	TOP OF BANK
TOC	TOP OF CURB
TOS	TOE OF SLOPE
TOT	TOTAL
TS	TOP OF SLOPE
TWP	TOWNSHIP
TYP	TYPICAL

U	
UD	UNDERDRAIN
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UTC	UNDERGROUND TELEPHONE CABLE

V	
VB	VALVE BOX
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VPC	VERTICAL POINT OF CURVE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY

W	
W	WEST
W/	WITH
WM	WATER MAIN
WO	WITHOUT
WP	WATER/WEATHER PROOF
WPP	WOOD POWER POLE
WS	WATER SURFACE
WSWT	WET SEASON WATER TABLE
WT	WEIGHT
WV	WATER VALVE
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

Y	
YD	YARD
YR	YEAR

MISC	
&	AND
@	AT
Δ	DELTA

EXISTING SYMBOLS

LINES

	C/L	CENTER LINE
		CHAIN LINK FENCE
	St	CONTOUR
		EASEMENT
		FENCE
		GUARDRAIL
		EXISTING PLATS
		RETAINING WALL
	R/W	RIGHT-OF-WAY LINE
		SHORELINE
		SWALE
		SOIL BOUNDARY

SANITARY SEWER

	SANITARY SEWER LINE
	CLEANOUT
	FORCE MAIN
	MANHOLE

POTABLE WATER

	WM	WATER MAIN
		EXISTING VALVE
		FIRE HYDRANT
	M	WATER METER

STORM DRAIN

	STORM SEWER		FDOT TYPE 1 INLET
	CURB INLET		FDOT TYPE 2 INLET
	MANHOLE		FDOT TYPE 3 INLET
	MITERED END		FDOT TYPE 4 INLET
	STORM INLET		FDOT TYPE 5 INLET
	SPOT ELEVATION		FDOT TYPE 6 INLET

HIGHWAY & UTILITIES

	BENCHMARK		STATE ROADS
	BOUND CORNER		GUY POLE
	CONCRETE		UTILITY POLE
	COUNTY ROADS		YARD LIGHT
	INTERSTATE ROADS		GAS MAIN
	LIGHT POLE		OVER HEAD WIRE
	SIGN		ELECTRIC CABLE OR CONDUIT, BURIED
	EDGE OF PAVEMENT W/O CURB		UNDERGROUND TELEPHONE CABLE
	EDGE OF PAVEMENT W/CURB		VALVE
	REDUCER		REDUCER

PROPOSED SYMBOLS

LINES

	PROPERTY BOUNDARY
	LOT LINE
	CENTER LINE
	EASEMENT
	BUILDING SETBACK LINE
	WETLAND LINE
	WETLAND BUFFER LINE
	FENCE
	SILT FENCE
	GUARDRAIL
	ENTRY WALL
	RETAINING WALL
	SWALE
	CONTOUR

SANITARY SEWER

	100 LF OF 8" PVC @ 0.40%	SANITARY PIPE
		CLEANOUT
		SINGLE SANITARY SERVICE
		DOUBLE SANITARY SERVICE
		MANHOLE
	FM	FORCE MAIN

POTABLE WATER

	WM	WATER MAIN
		SINGLE WATER SERVICE
		DOUBLE WATER SERVICE
		FIRE HYDRANT ASSEMBLY
	M	METER
	SP#	SAMPLE POINT
	FIRE	FIRE MAIN
		FIRE DEPARTMENT CONNECTION

RECLAIMED WATER

	RU	RECLAIMED WATER MAIN
		SINGLE WATER SERVICE
		DOUBLE WATER SERVICE

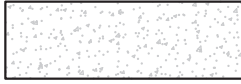
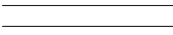
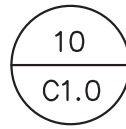
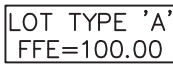
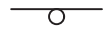
GENERIC UTILITIES

	11 1/4' BEND
	22 1/2' BEND
	45' BEND
	90' BEND
	TEE
	CROSS
	VALVE
	REDUCER

STORM

	100 LF OF 24" RCP @ 0.20%	STORM PIPE
		DRAINAGE FLOW DIRECTION
		FDOT INLET TYPE 1
		FDOT INLET TYPE 2
		FDOT INLET TYPE 3
		FDOT INLET TYPE 4
		FDOT INLET TYPE 5
		FDOT INLET TYPE 6
		MANHOLE
		MITERED END SECTION
		STORM INLET
	X100.00	SPOT ELEVATION

ROADWAY

	CONCRETE
	BLDG OR STRUCTURE
	TYPE F CURB & GUTTER
	MIAMI CURB
	DETAIL REFERENCE
	FINISHED FLOOR ELEVATION W/ FHA LOT TYPE
	HANDICAP PARKING
	INTERSTATE ROADS
	LIGHT POLE
	STATE ROADS
	SIGN
	TRAFFIC FLOW PAVEMENT MARKING
	UTILITY POLE
	CROSS SECTION DETAIL

NOTES:

1. TREE TYPES SHALL BE REFERENCED BY LEGEND ON APPLICABLE DRAWING SHEETS.
2. EXISTING CONSTRUCTION FEATURES MAY BE SCREENED ON DRAWING SHEETS TO PROVIDE CLARITY.

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SHEET 3 OF 23

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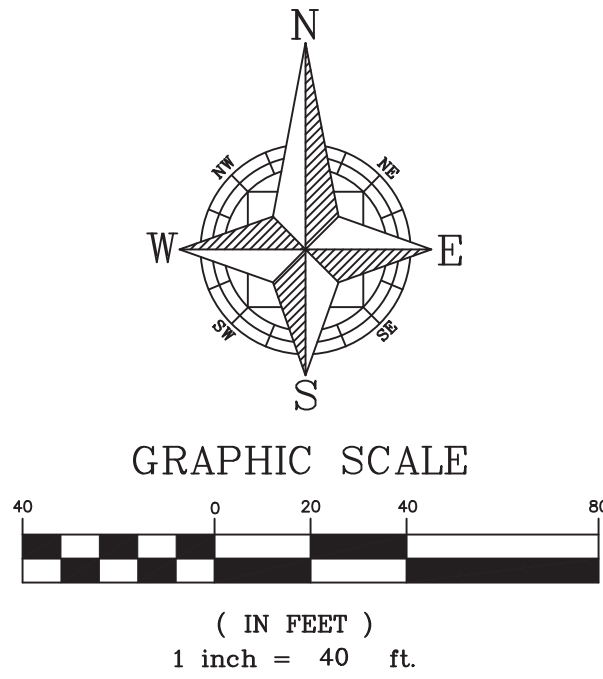
2231 Las Rozas, Suite 27, West Palm Beach, Florida, 33411

STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION NO. 1212

SYMBOLS AND ABBREVIATIONS

SURVEYORS NOTES:

1. THIS SURVEY IS A TOPOGRAPHIC SURVEY, LIMITED IN SCOPE TO 2X AREAS AS REQUESTED BY CLIENT.
2. LANDS SHOWN HEREON WERE NOT ABSTRACTED BY THE SURVEYOR FOR RIGHTS OF WAY AND/OR EASEMENTS OF RECORD OR OWNERSHIP.
3. COORDINATE DATA AND HORIZONTAL ROTATION ARE RELATIVE TO FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83/90, ESTABLISHED BY STATE PLANE COORDINATES PROVIDED IN CERTIFIED CORNER RECORDS FOR SECTION CORNERS SHOWN HEREON.
4. BEARINGS SHOWN HEREON ARE BASED ON THE NORTH LINE OF THE NORTHEAST 1/4 OF SECTION 20, TOWNSHIP 21 SOUTH, RANGE 28 EAST, THAT BEARING BEING S 89° 56'42" E.
5. ELEVATIONS SHOWN HEREON ARE BASED ON ORANGE COUNTY BENCHMARK "L1549006", ELEVATION=95.293. ALL ELEVATIONS ARE RELATIVE TO NAVD 88 DATUM.
6. ACCORDING TO FIRM PANEL NUMBER 12095 C 0120 F, DATED SEPTEMBER 25, 2009 THE SUBJECT PROPERTY LIES IN ZONE "X".
7. NO UNDERGROUND UTILITIES, FOUNDATIONS, OR OTHER BURIED FEATURES HAVE BEEN LOCATED BY THIS SURVEY, UNLESS OTHERWISE SHOWN.
8. SUBJECT PROPERTY CONTAINS 6.39 ACRES, MORE OR LESS.
9. NAMES OF ADJOINING OWNERS ARE PER ORANGE COUNTY PROPERTY APPRAISER.
10. CAPTURE DATE OF AERIAL PHOTOGRAPHY IS 11/29/24.
11. THIS SURVEY IS NOT VALID WITHOUT SIGNATURE AND SEAL OF A FLORIDA SURVEYOR AND MAPPER.
12. THIS SURVEY IS NOT VALID WITHOUT ALL SHEETS.



EXISTING CONDITIONS PLAN BASED ON SURVEY PROVIDED BY:

ON THE MARK SURVEYING, LLC
COREY A. HOPKINS, P.S.M.
FLORIDA REGISTRATION NO. 6743
DECEMBER 30, 2024

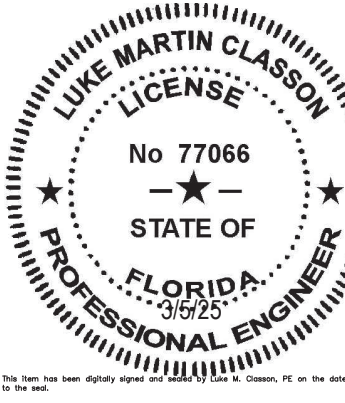
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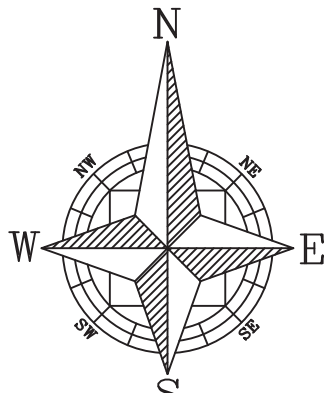
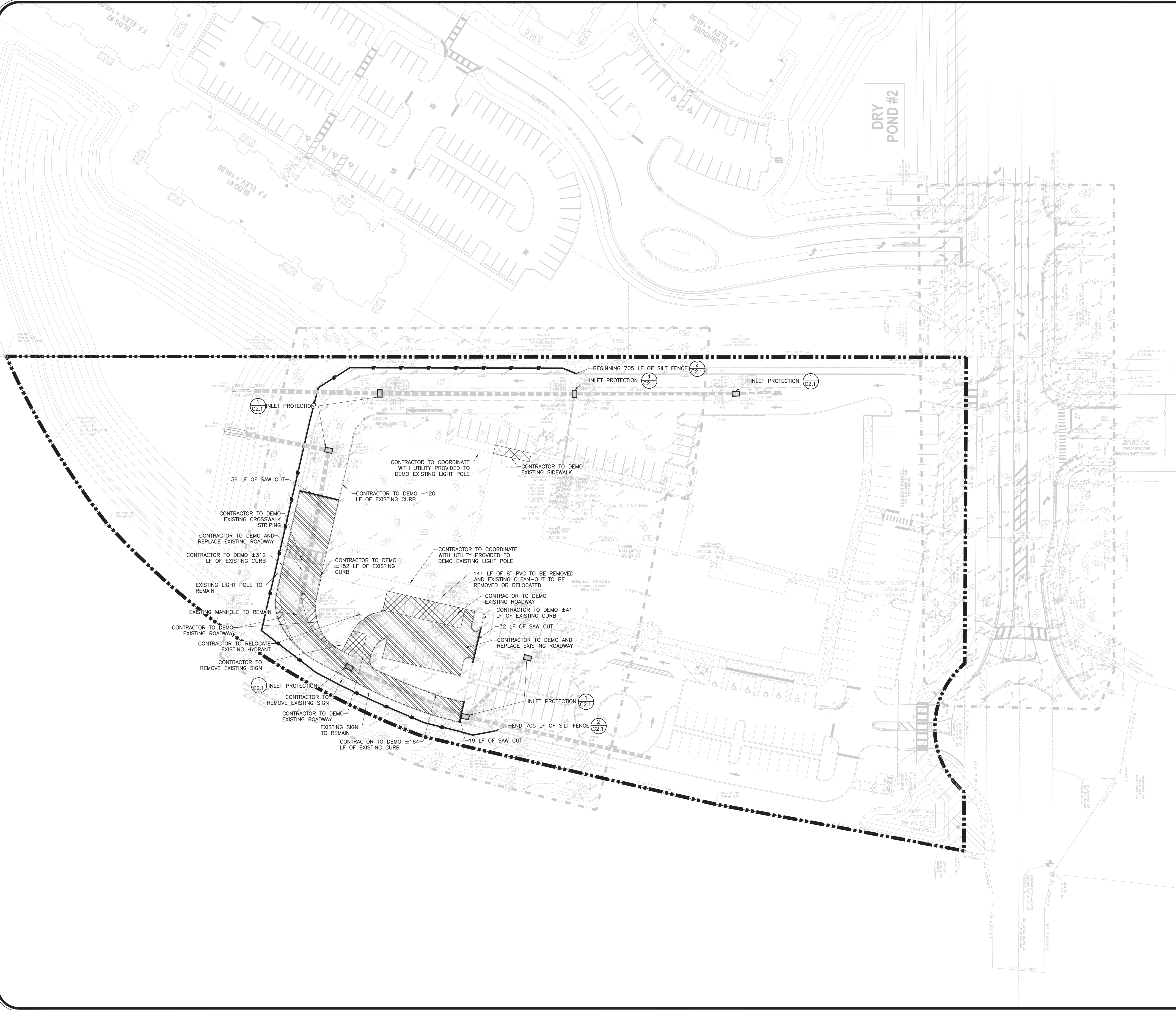
- ALF ALUMINUM FENCE
- CB CHORD BEARING
- CCR CERTIFIED CORNER RECORD
- CH CHORD LENGTH
- CL CENTERLINE
- CLF CHAIN LINK FENCE
- CM CONCRETE MONUMENT
- CMD CONCRETE MONUMENT WITH DISK
- CONC CONCRETE
- D DELTA ANGLE
- DB DEED BOOK
- DOC # DOCUMENT NUMBER
- ELEV ELEVATION
- EOP EDGE OF PAVEMENT
- FPE FINISHED FLOOR ELEVATION
- FND FOUND
- HDPE HIGH-DENSITY POLYETHYLENE PIPE
- ID IDENTIFICATION
- INV INVERT ELEVATION
- IP IRON PIPE
- IR IRON ROD
- IRC IRON ROD & CAP
- L ARC LENGTH
- L.A. LIMITED ACCESS
- MES MITERED END SECTION
- MH MANHOLE
- NAVD88 NORTH AMERICAN VERTICAL DATUM OF 1988
- NO. NUMBER
- N&D NAIL & DISK
- OCEA ORLANDO-ORANGE COUNTY EXPRESSWAY AUTHORITY
- ORB OFFICIAL RECORDS BOOK
- PB PLAT BOOK
- PG PAGE
- PVC POLYVINYL CHLORIDE PIPE
- R RADIUS
- RGE RANGE
- R/W RIGHT-OF-WAY
- SAN SANITARY SEWER
- SEC SECTION
- SR STATE ROAD
- TR TRANSFORMER
- TWP TOWNSHIP
- (TYP) TYPICAL
- WRF WOOD RAIL FENCE
- COMMUNICATIONS RISER
- ELECTRIC BOX
- LIGHT POLE
- PARKING SPACE COUNT
- TRAFFIC SIGN
- GV GAS VALVE
- SV SEWER VALVE
- CO CLEANOUT
- S SANITARY MANHOLE
- G GREASE MANHOLE
- STORM MANHOLE
- BACKFLOW PREVENTOR
- FI FIRE HYDRANT
- WV WATER VALVE
- WM WATER METER
- RWV RECLAIMED WATER VALVE
- RWM RECLAIMED WATER METER



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CIVIL ENGINEERING LAND PLANNING				APPIAN ENGINEERING LLC.				APPIANFL.COM • 407-960-5868 2231 Lee Road, Suite 27, Winter Park, Florida, 32789 STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION NO. 1511			
EXISTING CONDITIONS				CENTRAL FLORIDA PREPATORY SCHOOL – PHASE 2				CITY OF APOKA, FLORIDA			
SCALE 1" = 40'	DRAWN: S. LANCASTER	DESIGNED: L. CLASSON	CHECKED: L. CLASSON	DATE: 1/20/2025		 					
	PROJECT CFP-001	SHEET C1.2									
BY				DATE				DESCRIPTION			



GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

LEGEND

- ROADWAY TO BE DEMOLISHED AND REPLACED
- ROADWAY TO BE DEMOLISHED

EROSION CONTROL NOTES:

AN EROSION CONTROL AGENDA SHALL BE PREPARED BY THE CONTRACTOR. CONTRACTOR SHALL EXECUTE ALL MEASURES NECESSARY TO LIMIT THE TRANSPORT OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT TO THE VOLUME AND AMOUNT THAT ARE EXISTING PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THIS CONDITION WILL BE SATISFIED FOR THE TOTAL ANTICIPATED CONSTRUCTION PERIOD. PROVISION MUST BE MADE TO PRESERVE THE INTEGRITY AND CAPACITY OF CHECK WEIRS, SEDIMENT BASINS, SLOPE DRAINS, GRADING PATTERNS, ETC. REQUIRED TO MEET THIS PROVISION THROUGHOUT THE LIFE OF THE CONSTRUCTION. CONTRACTOR SHALL PROVIDE SYNTHETIC BALES, SILT BARRIERS, TEMPORARY GRASSING, ETC. AS REQUIRES TO FULLY COMPLY WITH THE INTENT OF THIS SPECIFICATION.

- STOCKPILING MATERIAL:**
NO EXCAVATED MATERIAL SHALL BE STOCKED PILED IN SUCH MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY.
- EXPOSED AREA LIMITATION:**
THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL NOT EXCEED 5 ACRES SO LONG AS THIS OPERATION WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENT.
- INLET PROTECTION:**
INLETS AND CATCH BASINS SHALL BE PROTECTED FROM SEDIMENT LADEN STORM RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.
- TEMPORARY SEEDING:**
AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN SEVEN DAYS SHALL BE SEED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED, AND WILL NOT LATER COMPETE WITH THE PERMANENT GRASSING. THE RATE OF SEEDING SHALL BE 30 LBS. PER ACRE.
- TEMPORARY SEEDING AND MULCHING:**
SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN 4 ABOVE, SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDING AREA TO A DEPTH OF FOUR INCHES.
- TEMPORARY GRASSING:**
THE SEEDING OF SEEDING AND MULCHED AREA(S) SHALL BE ROLLED AND WATERS AS REQUIRED TO ASSURE OPTIMUM TO GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER.
- TEMPORARY REGRASSING:**
AFTER FOURTEEN DAYS, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75% GOOD GRASS COVER, THE AREA WILL BE REMOWED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATION COVER.
- MAINTENANCE:**
ALL FEATURES OF THE PROJECT SHALL BE CONSTRUCTED TO PREVENT EROSION AND SEDIMENT AND SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION PROPERLY WITHOUT THE TRANSPORT OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT.
- DUST ABATEMENT:**
DUST SHALL BE CONTROLLED WITH USE OF WATER AND CALCIUM CHLORIDE.
- SODDING OF RETENTION POND AND CONVEYANCE SWALE SIDE SLOPES:**
SHOULD BE ACCOMPLISHED AS SOON AS POSSIBLE FOLLOWING COMPLETION OF GRADING TO MINIMIZE EROSION POTENTIAL.
- AT A MINIMUM, THE RETENTION/DETENTION STORAGE AREA MUST BE EXCAVATED TO ROUGH GRADE PRIOR TO BUILDING CONSTRUCTION OR PLACEMENT OF IMPERVIOUS SURFACE WITHIN THE AREA TO BE SERVED BY THOSE FACILITIES. TO PREVENT REDUCTION IN STORAGE VOLUME AND PERCOLATION RATES, ALL ACCUMULATED SEDIMENT MUST BE REMOVED FOR THE STORAGE AREA PRIOR TO FINAL GRADING AND STABILIZATION.**
- AT A MINIMUM SILT BARRIERS SHALL BE PLACED AS SHOWN ON SHEET C2.0 OF THE CONSTRUCTION PLANS TO INSURE AGAINST POLLUTING, SILTING OR DISTURBING TO SUCH AN EXTENT AS TO CAUSE AN INCREASE IN TURBIDITY TO THE EXISTING WETLAND. IF DURING CONSTRUCTION THE PROPOSED EROSION CONTROL SYSTEM DOES NOT PERFORM SATISFACTORY, ALTERNATIVES AND ADDITIONAL MEASURES SHALL BE IMPLEMENTED BY THE CONTRACTOR IN ORDER TO COMPLY WITH ORANGE COUNTY AND S.J.R.W.M.D. EROSION PROTECTION STANDARDS.**
- SILT FENCE TO BE INSTALLED A MINIMUM OF SIX INCHES (6") FROM PROPERTY LINE, WETLAND LINE, WETLAND BUFFER, ETC.**
- CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL EROSION PROTECTION COSTS, INCLUDING ANY COSTS ASSOCIATED WITH COMPLIANCE ISSUES AND ENFORCEMENT ACTIONS.**
- ANY EXISTING WELLS ON SITE MUST BE ABANDONED/CAPPED AS PER S.J.R.W.M.D. AND FDEP PROCEDURES.**

FDEP NPDES PERMIT NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR APPLYING FOR AND OBTAINING A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) NOI FDEP PERMIT.
- THE CONTRACTOR IS RESPONSIBLE FOR CREATING AND MAINTAINING THE REQUIRED STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
- THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING THE WEEKLY INSPECTION REPORTS AND REQUIRED INSPECTIONS AFTER THE SPECIFIED RAINFALL EVENTS PER THE NPDES PERMIT.

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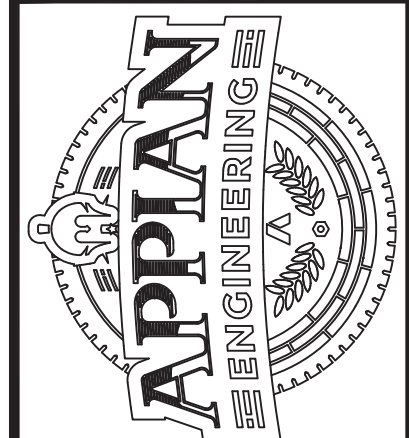
SHEET 5 OF 23

CIVIL ENGINEERING I LAND PLANNING				APPIAN ENGINEERING LLC.		APPIAN ENGINEERING LLC. 2231 Las Rozas, Suite 27, Winter Park, Florida, 32789 APPIANFL.COM • 407.960.5868 STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION NO. 1517	
EROSION CONTROL, DEMO, & M.O.T. PLANS				CENTRAL FLORIDA PREPATORY SCHOOL – PHASE 2 CITY OF APOPKA, FLORIDA			
SCALE	DRAWN:	DESIGNED:	CHECKED:	DATE:	PROJECT	SHEET	BY
1" = 40'	S. LANCASTER	L. CLASSON	C.F.P-001	1/20/2025	CFP-001	C2.0	DESCRIPTION
APPIAN ENGINEERING				DUKE MARTIN CLASSON No 77066 STATE OF FLORIDA PROFESSIONAL ENGINEER			



② TYPE III SILT FENCE DETAIL
N.T.S.

SHEET 6 OF 23



EROSION CONTROL DETAILS

CENTRAL FLORIDA PREPATORY
SCHOOL – PHASE 2
CITY OF APOPKA, FLORIDA

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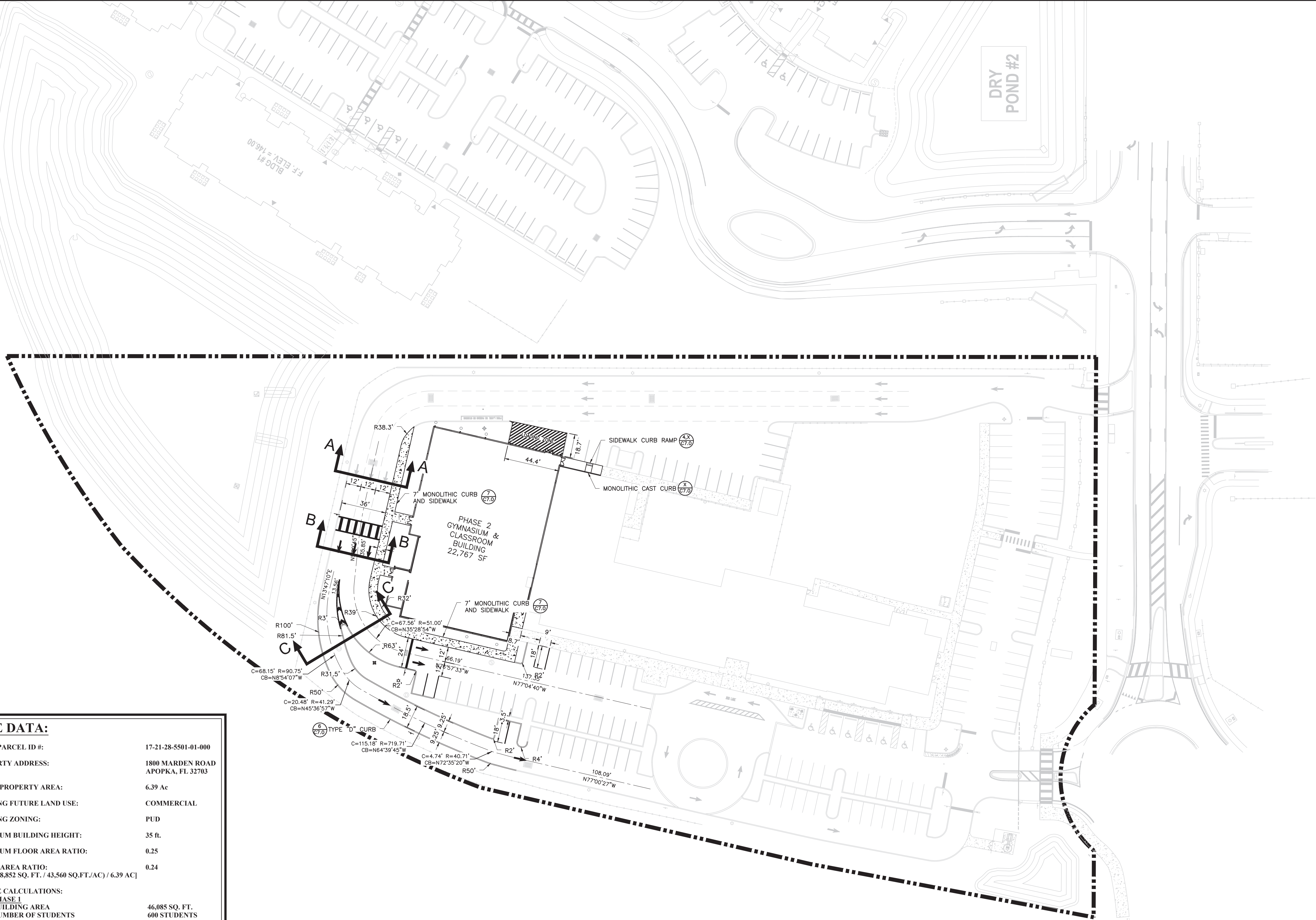
2221 N. ROAD, SUITE 217, WINTER PARK, FLORIDA 32789

STATE OF FLORIDA, CERTIFICATE OF AUTHORIZATION NO. 12174

[illegible]

SITE DATA:

OCPA -PARCEL ID #:	17-21-28-5501-01-000
PROPERTY ADDRESS:	1800 MARDEN ROAD APOPKA, FL 32703
TOTAL PROPERTY AREA:	6.39 Ac
EXISTING FUTURE LAND USE:	COMMERCIAL
EXISTING ZONING:	PUD
MAXIMUM BUILDING HEIGHT:	35 ft.
MAXIMUM FLOOR AREA RATIO:	0.25
FLOOR AREA RATIO:	0.24
[(68,852 SQ. FT. / 43,560 SQ.FT./AC) / 6.39 AC]	
PEOPLE CALCULATIONS:	
PHASE 1	
BUILDING AREA	46,085 SQ. FT.
NUMBER OF STUDENTS	600 STUDENTS
NUMBER OF EMPLOYEES	40 EMPLOYEES
PHASE 2	
BUILDING AREA	22,767 SQ. FT.
NUMBER OF STUDENTS	120 STUDENTS
NUMBER OF EMPLOYEES	14 EMPLOYEES
TOTAL SITE	
BUILDING AREA	68,852 SQ. FT.
NUMBER OF STUDENTS	720 STUDENTS
NUMBER OF EMPLOYEES	54 EMPLOYEES
TOTAL PARKING SPACES REQUIRED:	210
PER CITY CODE, FOUR (4) PARKING SPACES ARE TO BE PROVIDED PER CLASSROOM	
PER CITY CODE, ONE (1) PARKING SPACE IS TO BE PROVIDED PER THREE (3) HIGH SCHOOL STUDENTS	
(42 CLASSROOMS X 4) + (124 HS STUDENT / 3) = 210	
TOTAL PARKING SPACES PROVIDED:	
ACCESSIBLE SPACES	638
STANDARD SPACES	80
OVERFLOW QUEUE LANE	224
TOTAL:	224



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2231 Las Rozas, Suite 27, Winter Park, Florida, 32789

STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION NO. 12174

CIVIL ENGINEERING | LAND PLANNING

GEOMETRY PLAN

CENTRAL FLORIDA PREPATORY SCHOOL – PHASE 2

CITY OF APOPKA, FLORIDA

SCALE: 1" = 40'

PROJECT: CFP-001

SHEET: C3.0

DRAWN: S. LANCASTER

DESIGNED: L. CLASSON

CHECKED: L. CLASSON

DATE: 1/20/2025

APPLAN ENGINEERING

LUKE MARTIN CLASSON

No 77066

STATE OF FLORIDA

PROFESSIONAL ENGINEER

REV.

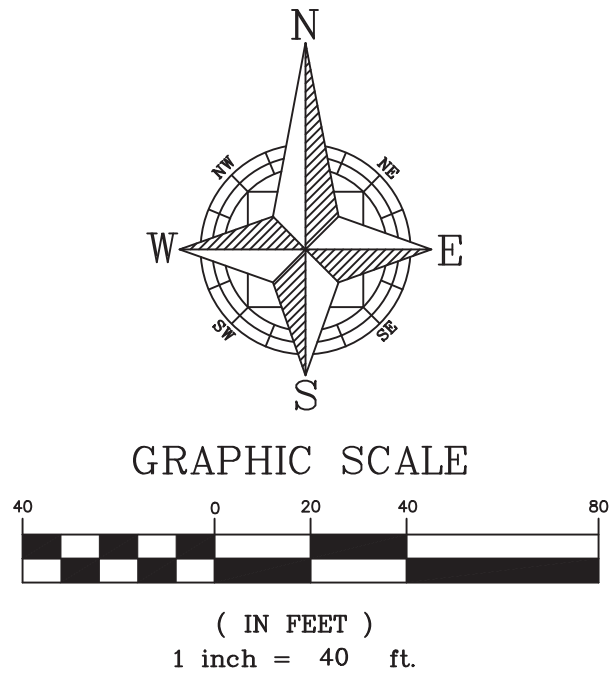
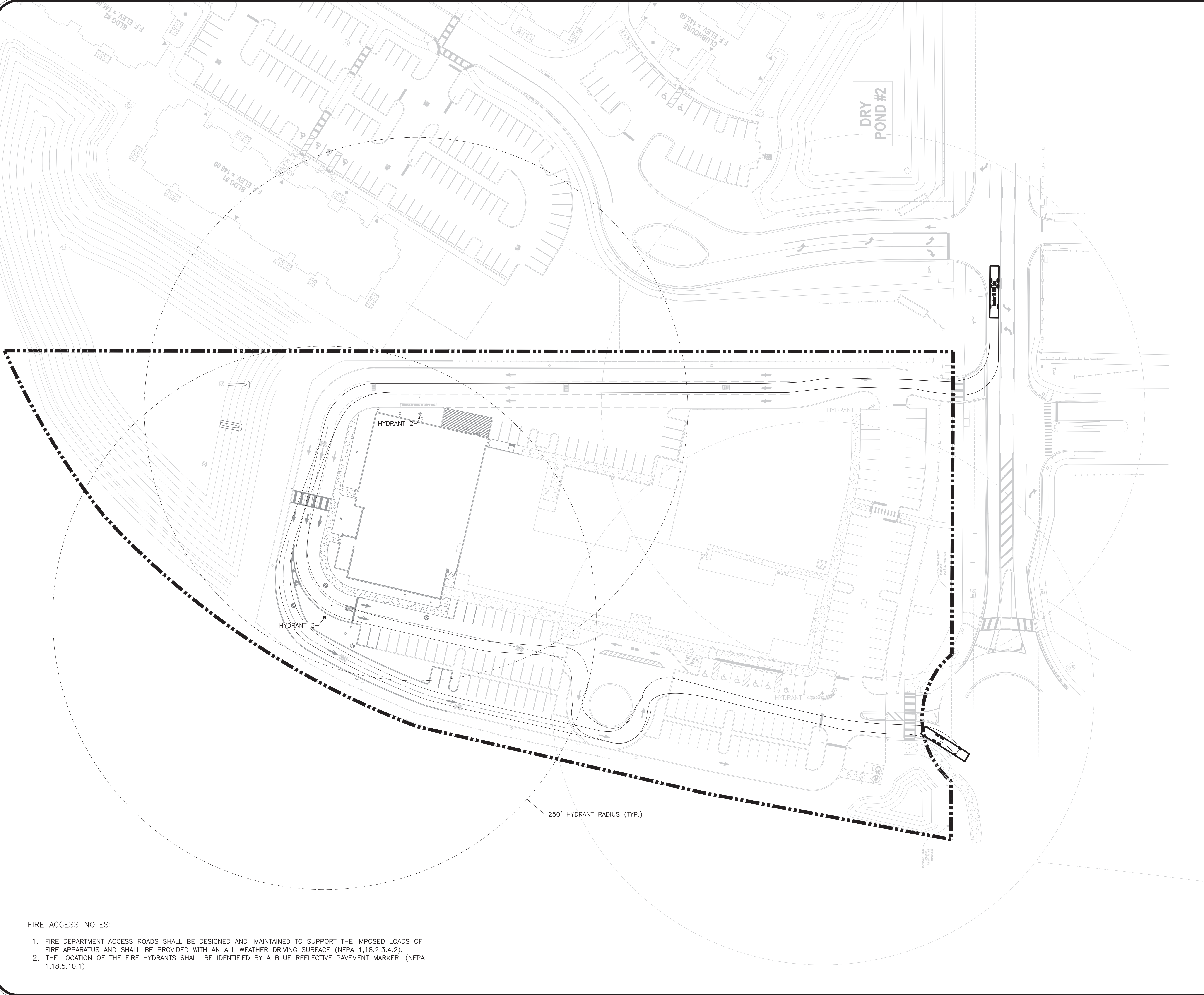
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DESCRIPTION

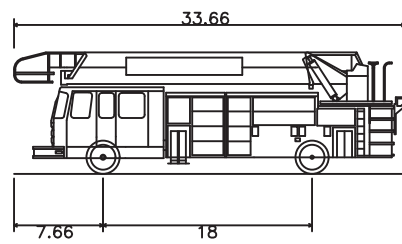
BY

Page 27 of 156

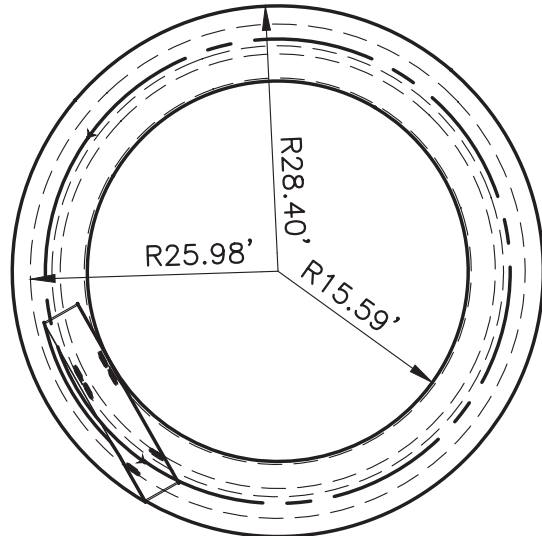
P:\PROJECT DRAWINGS\CFP-001 Central FL Prep School Phase 2\Drawings\CAD Civil3D Layouts\04 Final Engineering\FIRE TRUCK ROUTE PLAN.dwg Modified: 3/4/2025 By:sloncaster Plotted By:amir_lopez



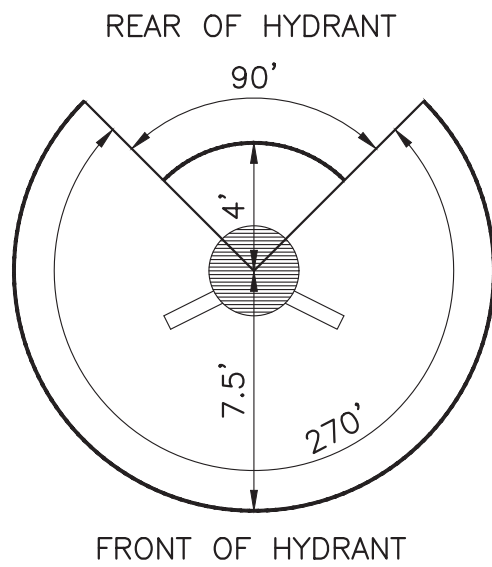
- LEGEND
- PARCEL BOUNDARY
 - 250' FIRE HYDRANT RADIUS
 - 250' EXISTING FIRE HYDRANT RADIUS



ROSENBAUER COMMANDER 4000
Overall Length 33.66ft
Overall Width 7.66ft
Overall Body Height 18.00ft
Overall Body Ground Clearance 8.80ft
Track Width 6.00ft
Lock-to-lock time 46.00s
Max Wheel Angle 1.60ft



TURNING RADIUS SKETCH



FIRE HYDRANT CLEARANCE
DETAIL

FIRE ACCESS NOTES:

- FIRE DEPARTMENT ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS AND SHALL BE PROVIDED WITH AN ALL WEATHER DRIVING SURFACE (NFPA 1,18.2.3.4.2).
- THE LOCATION OF THE FIRE HYDRANTS SHALL BE IDENTIFIED BY A BLUE REFLECTIVE PAVEMENT MARKER. (NFPA 1,18.5.10.1)
- ALL ROADWAYS, WATER LINE INFRASTRUCTURE, AND FIRE HYDRANTS SHALL BE IN PLACE BEFORE BUILDING CONSTRUCTION CAN BEGIN.
- FIRE HYDRANTS MUST BE LOCATED WITHIN 500 FEET OF ALL SINGLE-FAMILY RESIDENTIAL HOMES.
- CONTRACTOR SHALL FOLLOW THE CURRENT NFPA AND FLORIDA FIRE PREVENTION CODE 7TH EDITION CONCERNING FIRE AND LIFE SAFETY.

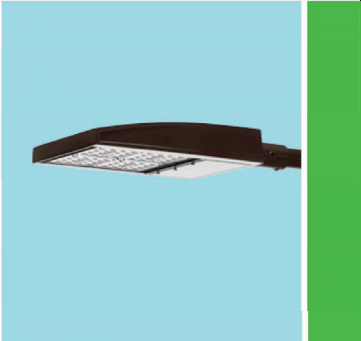
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CIVIL ENGINEERING I LAND PLANNING				DATE		DESCRIPTION		BY	
APPIAN ENGINEERING LLC.				REV.					
APPIANENGINEERING.COM • 407.960.5868									
2231 Las Rozas, Suite 27, Winter Park, Florida, 32789									
STATE OF FLORIDA CERTIFICATE OF AUTHENTICATION DATE									
FIRE TRUCK ROUTE PLAN				CENTRAL FLORIDA PREPATORY SCHOOL – PHASE 2		CITY OF APOPKA, FLORIDA			
DRAWN: S. LANCASTER		DESIGNED: L. CLASSON		CHECKED: L. CLASSON		DATE: 1/20/2025			
SCALE: 1" = 40'		PROJECT: CFP-001		SHEET: C.3.1					

Outdoor Lighting

Shoebox LED



The energy-efficient Shoebox LED is a green solution and great fit for commercial parking lots, malls, office buildings and streets providing a "white light" that will enhance the appearance of your site. The Shoebox LED delivers light where it is needed, while increasing visibility and making up light to adjoining properties. Selected to be an alternative to the metal halide light fixture, this fixture provides a white light source that will enhance colors, adding to visual acuity and improving area uniformity.

LED (Light Emitting Diode) 213 / 422 watts

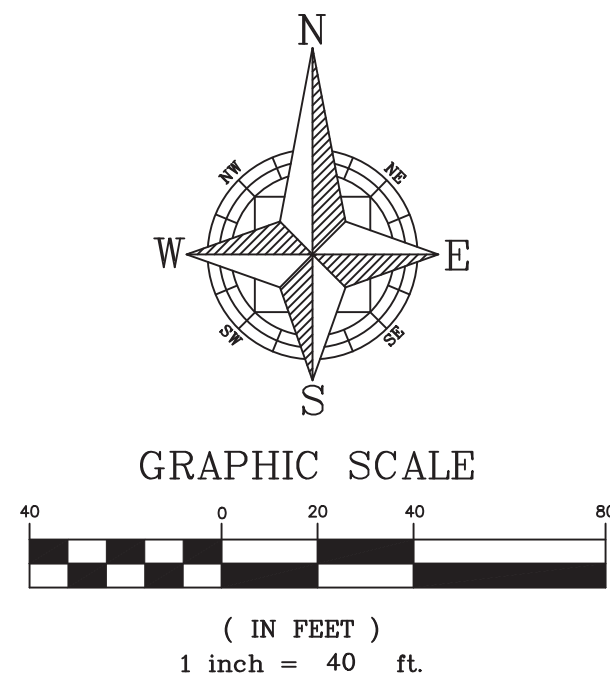
Mounting height 20' - 35'

Color Dark bronze finish

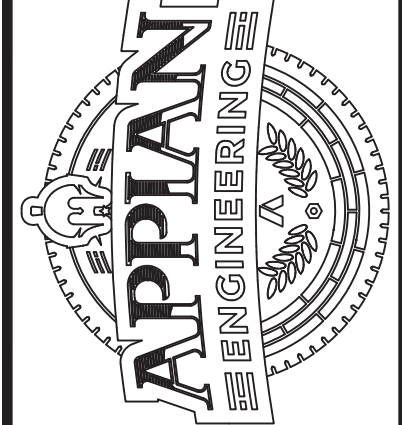
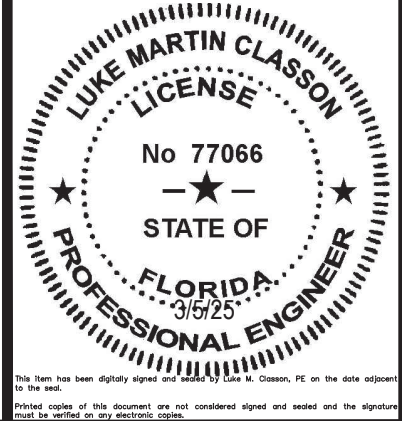
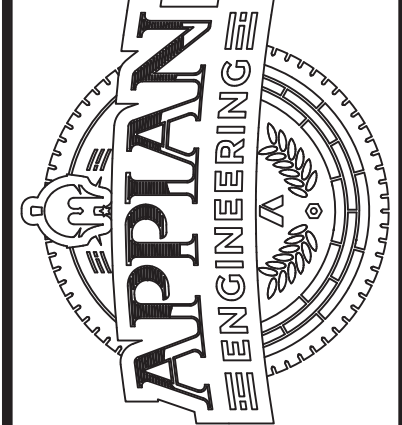
Poles Tenon top concrete Decorative concrete

For additional information, visit us at duke-energy.com/OutdoorLighting or call us toll free at 888.789.6417.

DETAIL PROVIDED BY DUKE ENERGY
LIGHT DETAIL



- LIGHTING NOTES:**
1. STREET LIGHTS POLES SHALL BE DECORATIVE TYPE CONSISTENT WITH THE DEVELOPMENT DESIGN GUIDELINES.
 2. LIGHT POLE FOOTERS CANNOT BE EXPOSED ABOVE FINISHED GRADE.
 3. PROPOSED LIGHT POLES SHOWN FOR CONSTRUCTION SITE PLAN APPROVAL. EXACT LOCATION AND TYPE OF LIGHT POLES TO BE DESIGNED, LAID OUT, AND INSTALLED BY DUKE ENERGY.

	SCALE 1" = 40'	PROJECT CFP-001	SHEET C.3.3	DRAWN: S. LANCASTER	DESIGNED: L. CLASSON	CHECKED: L. CLASSON	DATE: 1/20/2025			LIGHTING PLAN	CIVIL ENGINEERING LAND PLANNING APPLAN ENGINEERING LLC. APPLANFL.COM • 407.960.5868 2231 Lee Road, Suite 27, Winter Park, Florida, 32789 STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION #NA 0174	REV.	DATE	DESCRIPTION	BY

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P: \PROJECT DRAWINGS\CFP-001 Central FL Prep School Phase 2 Drawings\CAD Civil3D Layouts\04 Final Engineering\UTILITY NOTES.dwg
Modified: 2/10/2025 By: slancaster
Plotted By: amir lopez

- SP#

PIPE USED IN GRAVITY SEWER CONSTRUCTION SHALL BE POLYVINYL CHLORIDE (PVC) OR DUCTILE IRON PIPE (DIP). WHERE REFERENCE IS MADE TO AN ASTM, ANSI, OR AASHTO DESIGNATION, IT SHALL BE THE LATEST REVISION.

(a) PVC GRAVITY SEWER PIPE (4 INCH - 15 INCH), ASTM D3034, SDR 35 - UNIFORM MINIMUM "PIPE STIFFNESS" AT FIVE (5) PERCENT DEFLECTION SHALL BE 46PSI. THE JOINTS SHALL BE INTEGRAL BELL ELASTOMERIC GASKET JOINTS MANUFACTURED IN ACCORDANCE WITH ASTM D3212 AND ASTM F477, APPLICABLE TO THE PIPE SIZE. THE JOINTS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS: UNIFORM BELL PLASTIC PIPE ASSOCIATION STANDARD IS UNI-B-4. ALL PVC PIPE SHALL BEAR THE NSF-DW SEAL AND BE GREEN IN OVERALL COLOR. THE MINIMUM STANDARD LENGTH OF PIPE SHALL BE THIRTEEN (13) FEET.

(b) DUCTILE IRON PIPE SHALL CONFORM TO ANSI/AWWA A21.51/C151, CLASS THICKNESS DESIGNED PER ANSI/AWWA A21.50/C150, WITH MECHANICAL OR PUSH ON JOINTS. AN INTERIOR PROTECTIVE LINING OF COAL TAR EPOXY SHALL BE PROVIDED WITH A MINIMUM DRY THICKNESS OF 30 MILS. DUCTILE IRON GRAVITY SEWERS, WHERE REQUIRED BY CITY OF APOPKA BASED ON GEOTECHNICAL INVESTIGATIONS, SHALL BE WRAPPED WITH POLYETHYLENE FILM, AWWA C105. SEE APPENDIX C. THE MINIMUM STANDARD LENGTH OF PIPE SHALL BE EIGHTEEN (18) FEET.

- (a) **PVC GRAVITY SEWER PIPE** (4 INCH - 15 INCH), ASTM D3034, SDR 35 - UNIFORM MINIMUM "PIPE STIFFNESS" AT FIVE (5) PERCENT DEFLECTION SHALL BE 46PSI. THE JOINTS SHALL BE INTEGRAL BELL ELASTOMERIC GASKET JOINTS MANUFACTURED IN ACCORDANCE WITH ASTM D3212 AND ASTM F477. APPLICABLE UNI-BELL PLASTIC PIPE ASSOCIATION STANDARD IS UNI-B-4. ALL PVC PIPE SHALL BEAR THE NSF-DW SEAL AND BE GREEN IN OVERALL COLOR. THE MINIMUM STANDARD LENGTH OF PIPE SHALL BE THIRTEEN (13) FEET.
- (b) **DUCTILE IRON PIPE** SHALL CONFORM TO ANSI/AWWA C215/C115. CLASS THICKNESS DESIGNED FOR 150 PSI. ALL DUCTILE IRON PIPE SHALL BE PROVIDED WITH MECHANICAL OR PUSH ON JOINTS. AN INTERIOR PROTECTIVE LINING OF COATED ARA EPOXY SHALL BE PROVIDED WITH A MINIMUM DRY THICKNESS OF 30 MILS. DUCTILE IRON GRAVITY SEWERS, WHERE REQUIRED BY CITY OF APOPKA BASED ON GEOTECHNICAL INVESTIGATIONS, SHALL BE WRAPPED WITH POLYETHYLENE FILM, AWWA C105. SEE APPENDIX C. THE MINIMUM STANDARD LENGTH OF PIPE SHALL BE EIGHTEEN (18) FEET.

1. THE CONTRACTOR SHALL PERFORM HYDROSTATIC TESTING OF ALL WATER DISTRIBUTION SYSTEMS, AS SET FORTH IN THE FOLLOWING AND SHALL CONDUCT SAID TESTS IN THE PRESENCE OF REPRESENTATIVES FROM CITY OF APOPKA AND/OR OTHER AUTHORIZED AGENCIES. THE CONTRACTOR SHALL PROVIDE 48 HOURS ADVANCED NOTICE PRIOR TO TESTING OF THE WATER DISTRIBUTION SYSTEM.
2. ALL TESTING REQUIRED BY CITY OF APOPKA SHALL BE PAID FOR BY THE DEVELOPER / CONTRACTOR.
3. ALL PROPOSED WATER MAINS SHALL BE TESTED AND CLEARED FOR SERVICE IN ACCORDANCE WITH THE LATEST AWWA STANDARDS AND THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION REQUIREMENTS.
4. PRIOR TO HYDROSTATIC TESTING A PRELIMINARY FLUSHING SHALL BE REQUIRED THROUGH FULL DIAMETER FLUSHING OR SWABBING. PRELIMINARY FLUSHING/SWABBING SHALL BE PERFORMED PER AWWA C651 STANDARD – "DISINFECTING WATER MAINS". ALL PIPING SHALL BE THOROUGHLY CLEANED AND FLUSHED PRIOR TO TESTING TO CLEAR THE LINES OF ALL FOREIGN MATTER. WHILE THE PIPING IS BEING FILLED WITH WATER, CARE SHALL BE EXERCISED TO PERMIT THE ESCAPE OF AIR FROM EXTREMITIES ALONG THE TEST SECTION.
5. HYDROSTATIC TESTING SHALL CONSIST OF PRESSURE TEST AND LEAKAGE TEST. PIPING AND APPURTENANCES TO BE TESTED SHALL BE WITHIN SECTIONS BETWEEN VALVES, NOT EXCEEDING 2,000 FEET, UNLESS ALTERNATE METHODS HAVE RECEIVED PRIOR APPROVAL FROM CITY OF APOPKA. TESTING SHALL NOT PROCEED UNTIL CONCRETE THRUST BLOCKS ARE IN PLACE AND CURED, OR OTHER RESTRAINING DEVICES INSTALLED.
6. HYDROSTATIC TESTING SHALL BE PERFORMED AT 150 POUNDS PER SQUARE INCH PRESSURE, UNLESS OTHERWISE APPROVED BY CITY OF APOPKA, FOR A PERIOD OF NOT LESS THAN TWO (2) HOURS.
7. THE ALLOWABLE RATE OF LEAKAGE SHALL BE LESS THAN THE NUMBER OF GALLONS PER HOUR DETERMINED BY THE FOLLOWING FORMULA:

$$L = \frac{SD \cdot \sqrt{P}}{148,000}$$

8. SHOULD THE TEST FAIL, NECESSARY REPAIRS SHALL BE ACCOMPLISHED BY THE CONTRACTOR AND THE TEST REPEATED UNTIL WITHIN PASSING LIMITS. THE CONTRACTOR SHALL FURNISH ALL THE NECESSARY LABOR, PUMPS, GAUGES AND ALL OTHER ITEMS NECESSARY TO CONDUCT THE REQUIRED WATER DISTRIBUTION SYSTEM TESTING AND PERFORM NECESSARY REPAIRS.

1. THE CONTRACTOR SHALL PERFORM TESTING OF ALL SANITARY SEWAGE GRAVITY COLLECTION SYSTEMS, AS SET FORTH IN THE FOLLOWING AND SHALL CONDUCT SAID TESTS IN THE PRESENCE OF REPRESENTATIVES FROM CITY OF APOPKA AND/OR OTHER AUTHORIZED AGENCIES. THE CONTRACTOR SHALL PROVIDE 48 HOURS ADVANCED NOTICE PRIOR TO TESTING OF THE WASTEWATER DISTRIBUTION SYSTEM.
2. ALL TESTING REQUIRED BY CITY OF APOPKA SHALL BE PAID FOR BY THE DEVELOPER / CONTRACTOR.
3. GRAVITY MAINS SHALL BE INSPECTED WITH CCTV FOR ALIGNMENT, GRADE VARIATIONS, SEPARATED PIPES, LEAKS, DEFLECTION, CRACKED, BROKEN OR OTHERWISE DEFECTIVE PIPE TO ENSURE OVERALL PIPE INTEGRITY. THE APPROVED CCTV INSPECTION CONTRACTOR SHALL SUBMIT THE REPORT TO THE UTILITIES DEPARTMENT AS REQUIRED.
4. LEAKAGE TESTING FOR GRAVITY MAINS SHALL BE BY LOW-PRESSURE AIR TEST. LEAKAGE TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH THE PROCEDURE FOR "RECOMMENDED PRACTICE FOR LOW PRESSURE AIR TESTING OF INSTALLED SEWER PIPE" AS ESTABLISHED BY THE UNI-BELL PVC PIPE ASSOCIATION.
5. EACH GRAVITY MAIN LEAKAGE TEST SECTION SHALL NOT EXCEED 400 FEET IN LENGTH AND SHALL BE TESTED BETWEEN ADJACENT MANHOLES.

Other Pipe	Horizontal Separation	Crossings (1)	Joint Spacing @ Crossings (Full Joint Centered)
Storm Sewer, Stormwater Force Main, Reclaimed Water (2)	3 ft. minimum	12 inches is the minimum, except for storm sewer, then 6 inches is the minimum and 12 inches is preferred	Alternate 3 ft. minimum
Vacuum Sanitary Sewer	10 ft. preferred 3 ft. minimum	12 inches preferred 6 inches minimum	Alternate 3 ft. minimum
Gravity or Pressure Sanitary Sewer, Sanitary Sewer Force Main, Reclaimed Water (4)	10 ft. preferred 6 ft. minimum (3)	12 inches is the minimum, except for gravity sewer, then 6 inches is the minimum and 12 inches is preferred	Alternate 6 ft. minimum
On-Site Sewage Treatment & Disposal System	10 ft. minimum	---	---

Disclaimer – This document is provided for your convenience only. Please refer to F.A.C. Rule 62-555.314 for additional construction requirements.

1. NOTE TO THE UTILITY: PURSUANT TO 62-555.345; DO NOT PROVIDE WATER SERVICE TO THIS PROJECT (OTHER THAN FLUSHING/TESTING) UNTIL THE DEPARTMENT OF ENVIRONMENTAL PROTECTION HAS ISSUED A LETTER OF CLEARANCE OR THE UTILITY SHALL BE SUBJECT TO ENFORCEMENT ACTION.
2. THE PERMITTEE WILL PROMPTLY NOTIFY THE DEPARTMENT UPON SALE OR LEGAL TRANSFER OF THE PERMITTED FACILITY
3. ALL WATER MAINS AND APPURTENANCES SHALL BE DISINFECTED AND BACTERIOLOGICALLY EVALUATED IN ACCORDANCE WITH RULE 62-555.340, F.A.C.
4. ALL WATER MAIN PIPE, INCLUDING FITTINGS SHALL BE COLOR CODED OR MARKED USING BLUE AS A PREDOMINANT COLOR TO DIFFERENTIATE DRINKING WATER FROM RECLAIMED OR OTHER WATER. UNDERGROUND PLASTIC PIPE SHALL BE SOLID-WALL BLUE PIPE. SHALL HAVE A CO-EXTRUDED BLUE EXTERNAL SKIN, OR SHALL BE WHITE OR BLACK PIPE WITH BLUE STRIPES INCORPORATED INTO, OR APPLIED TO, THE PIPE WALL; AND UNDERGROUND METAL OR CONCRETE PIPE SHALL HAVE BLUE STRIPES APPLIED TO THE PIPE WALL. PIPE STRIPED DURING MANUFACTURING OF THE PIPE SHALL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE, THAT ARE LOCATED AT NO GREATER THAN 90-DEGREE INTERVALS AROUND THE PIPE, AND THAT WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIPE PIPE DURING INSTALLATION OF THE PIPE, THE TAPE OR PAINT SHALL BE APPLIED IN A CONTINUOUS LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND THAT IS LOCATED ALONG THE TOP OF THE PIPE; FOR PIPES WITH AN INTERNAL DIAMETER OF 24 INCHES OR GREATER, TAPE OR PAINT SHALL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE.

(62-555.314, F.A.C. LOCATION OF PUBLIC WATER SYSTEM MAINS)

(1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

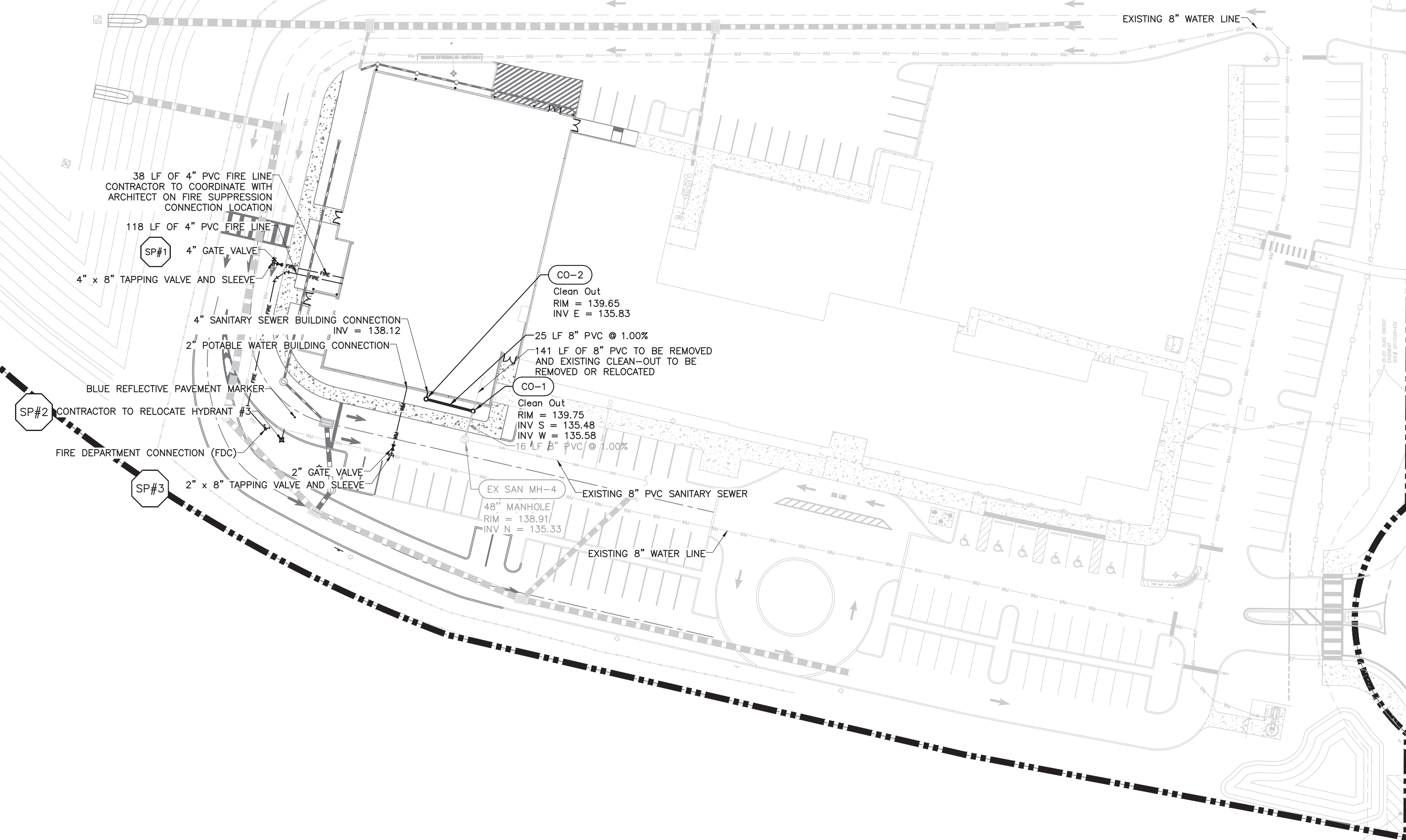
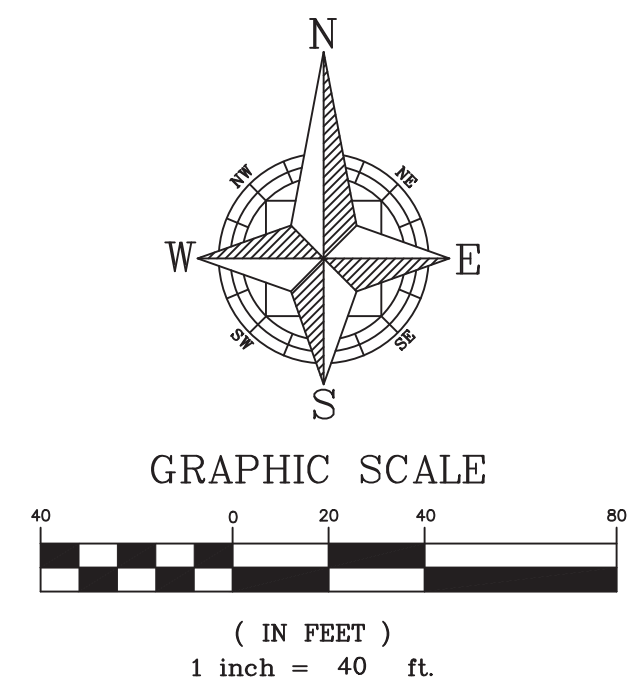
- (2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.

- (3) SEPARATION BETWEEN WATER MAINS AND SANITARY OR STORM SEWER MANHOLES.

- (a) NO WATER MAIN SHALL PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A SANITARY SEWER MANHOLE.
- (b) EFFECTIVE AUGUST 28, 2003, WATER MAINS SHALL NOT BE CONSTRUCTED OR ALTERED TO PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A STORM SEWER MANHOLE OR INLET STRUCTURE.

- (4) SEPARATION BETWEEN FIRE HYDRANT DRAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS. NEW OR RELOCATED FIRE HYDRANTS WITH UNDERGROUND DRAINS SHALL BE LOCATED SO THAT THE DRAINS ARE AT LEAST TEN FEET FROM THE EXISTING OR PROPOSED STORM SEWER, WASTEWATER OR STORMWATER FORCE MAINS, CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AT LEAST THREE FEET, AND PREFERABLY TEN FEET, FROM ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER; AT LEAST SIX FEET, AND PREFERABLY TEN FEET, FROM ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER; WASTEWATER OR STORMWATER FORCE MAINS; AND AT LEAST TEN FEET FROM ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64C-6.002, F.A.C.

Sunshine 811
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!

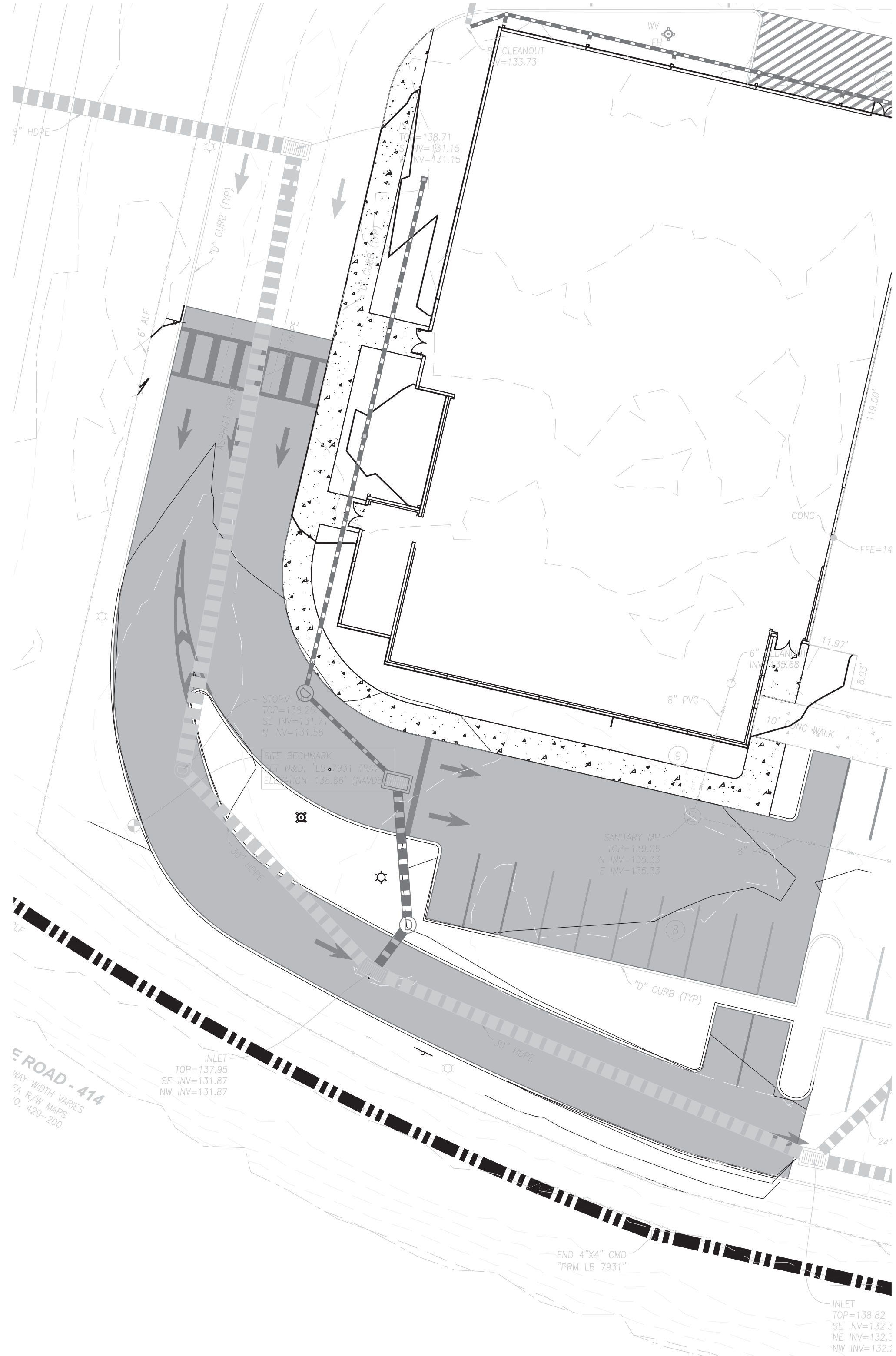
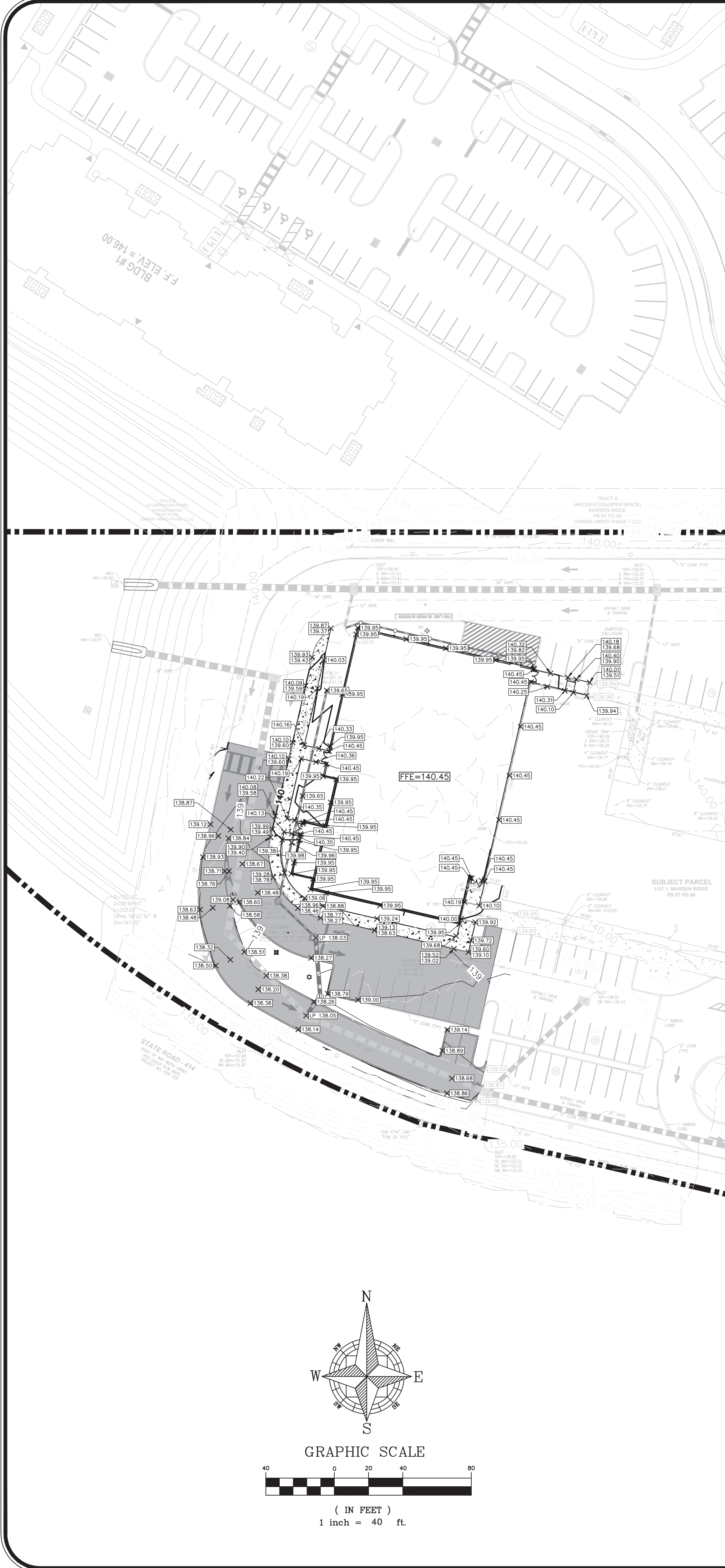


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SHEET 13 OF 23

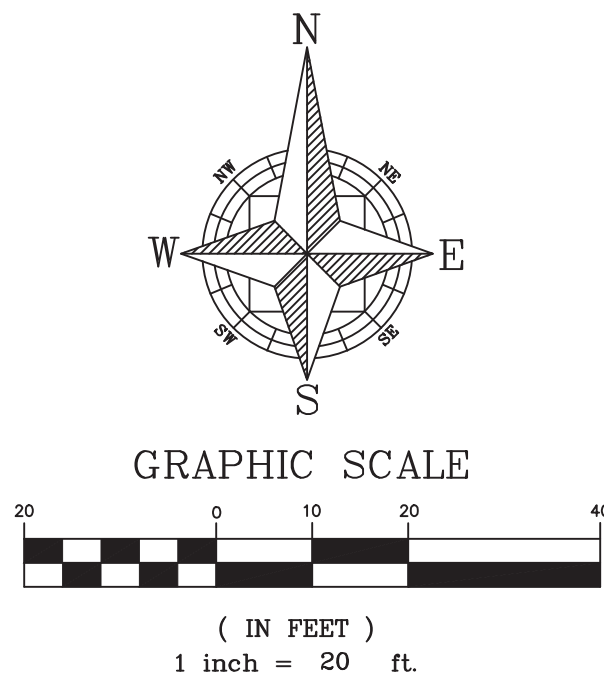
	SCALE 1" = 40'	DRAWN: S. LANCASTER	UTILITY PLAN CENTRAL FLORIDA PREPATORY SCHOOL – PHASE 2 CITY OF APOPKA, FLORIDA	CIVIL ENGINEERING LAND PLANNING APPIAN ENGINEERING LLC. APPIANFL.COM • 407.960.5868 2221 Lee Road, Suite 27, Winter Park, Florida, 32789 STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION 00012471	DATE	DESCRIPTION	BY
	PROJECT CFP-001	DESIGNED: L. CLASSON			CHECKED: L. CLASSON	DATE: 1/20/2025	SHEET C4.1

P:\PROJECT DRAWINGS\CFP-001 Central FL Prep School Phase 2\Drawings\CAD Civil3D Layouts\04 Final Engineering\PAVING AND GRADING PLAN.dwg Modified: 3/5/2025 By:lopez Plotted By:amir lopez



LEGEND

PROPOSED PAVEMENT

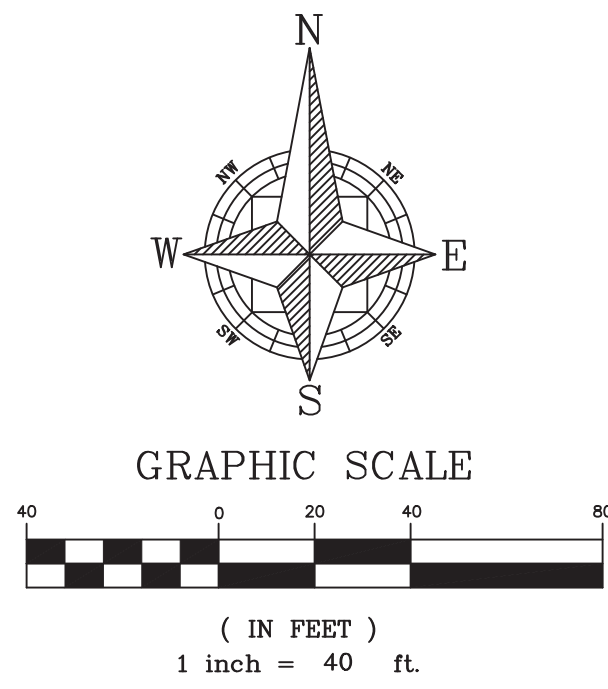
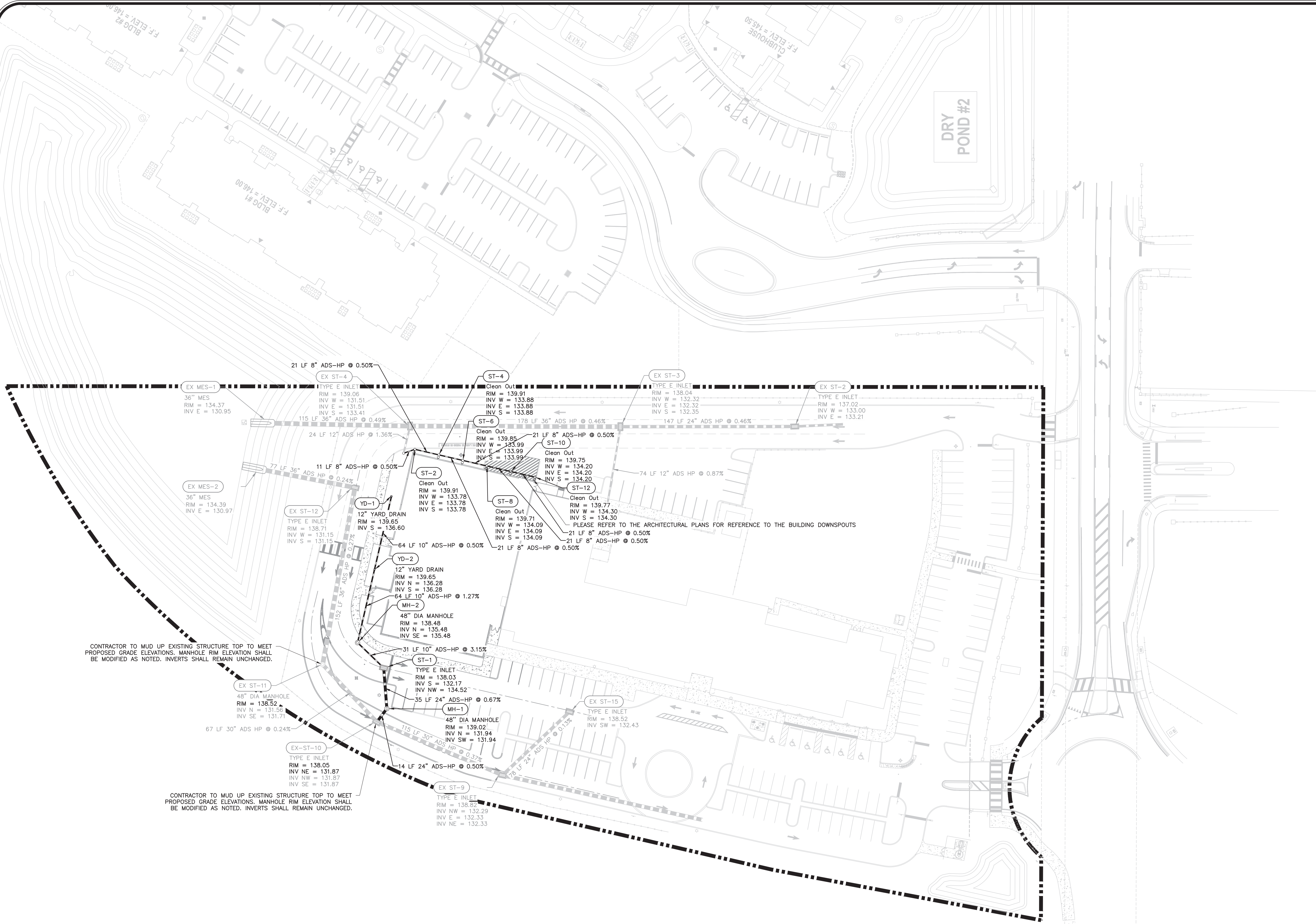


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SHEET 14 OF 23

	SCALE	DRAWN: S. LANCASTER	PAVING AND GRADING PLAN CENTRAL FLORIDA PREPATORY SCHOOL – PHASE 2 CITY OF APOPKA, FLORIDA			CIVIL ENGINEERING LAND PLANNING APPIAN ENGINEERING LLC. APPIANFL.COM • 407-960.5868 2231 Las Ruas, Suite 27, Winter Park, Florida 32789 STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION NO. 15174	REV.	DATE	DESCRIPTION	BY
	VARIES									
	DESIGNED: L. CLASSON									
	CHECKED: L. CLASSON									
	SHEET									
C5.0	DATE: 1/20/2025									

P:\PROJECT DRAWINGS\CFP-001 Central FL Prep School Phase 2\Drawings\CAD Civil3D Layouts\04 Final Engineering\Drainage PLAN.dwg Modified:3/4/2025 By:sloncaster Plotted By:cmir Lopez



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SHEET 15 OF 23

		SCALE		DRAWN:		DESIGNED:		CHECKED:		DATE:	
		1" = 40'	PROJECT	S. LANCASTER	L. CLASSON	L. CLASSON	L. CLASSON	1/20/2025			
		PROJECT: CFP-001									
		SHEET: C6.0									
		DRAINAGE PLAN									
		CENTRAL FLORIDA PREPATORY SCHOOL - PHASE 2 CITY OF APOPKA, FLORIDA									
		CIVIL ENGINEERING LAND PLANNING									
		APPIAN ENGINEERING LLC.									
		APPIANFL.COM • 407.960.5868									
		2231 Las Roca, Suite 27, Winter Park, Florida 32789									
		STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION NO. 1211									
		REV. DATE DESCRIPTION BY									

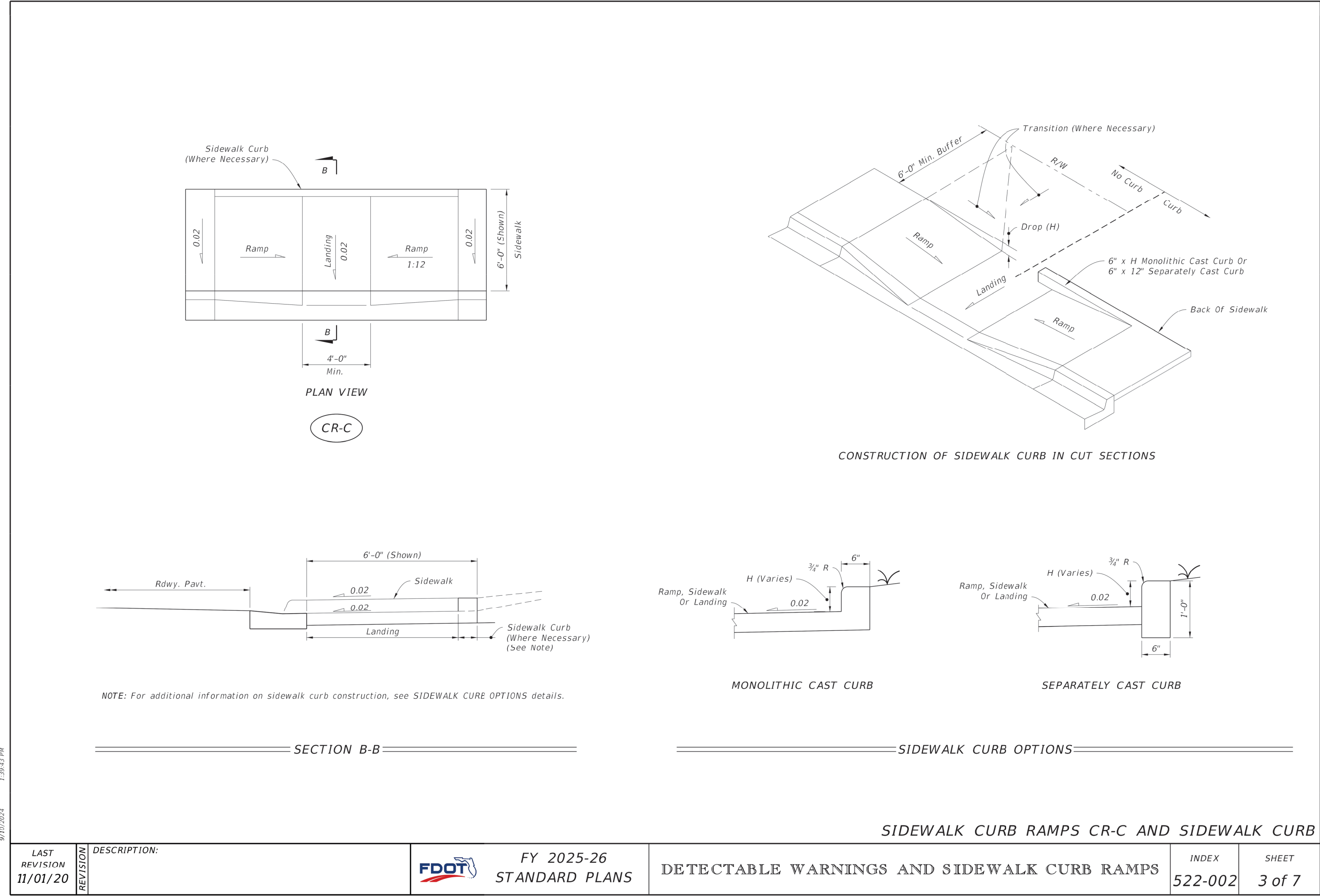


- 4** HANDICAP END RAMP
3000 PSI (MIN.) CONCRETE N.T.S.



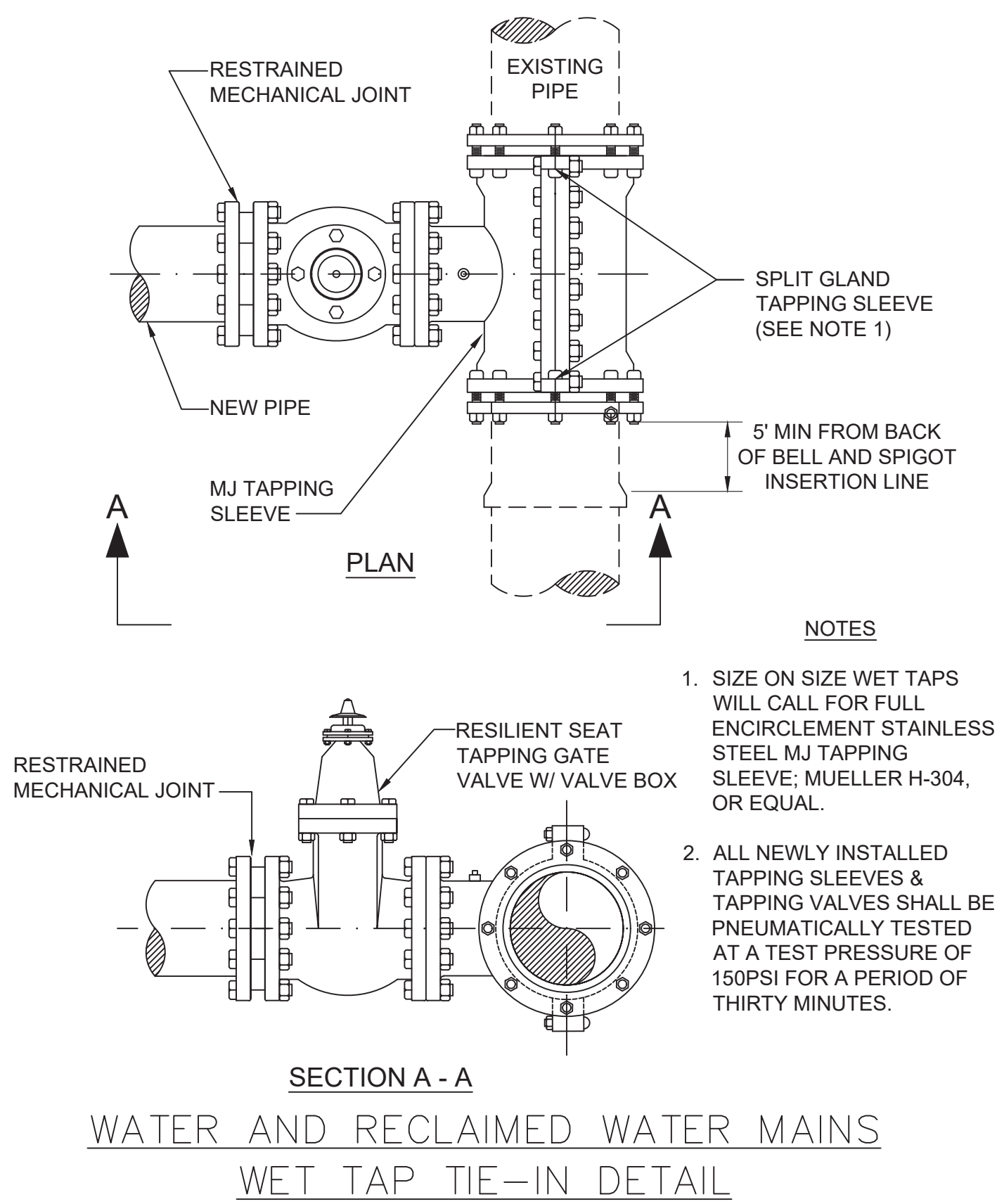
- 6 TYPE 'D' CURB
(3,500 PSI (MIN)) N.T.S.





	SCALE N.T.S.	DRAWN: S. LANCASTER	DESIGNED: L. CLASSON	CHECKED: L. CLASSON	DATE: 1/20/2025	CIVIL DETAILS	CENTRAL FLORIDA PREPATORY SCHOOL – PHASE 2 CITY OF APOKA, FLORIDA	CIVIL ENGINEERING LAND PLANNING APPIAN ENGINEERING LLC. APPIANFL.COM • 407.960.5868 2221 Las Ruas, Suite 27, Winter Park, Florida 32789 STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION NO. 1214	REV.	DATE	DESCRIPTION	BY

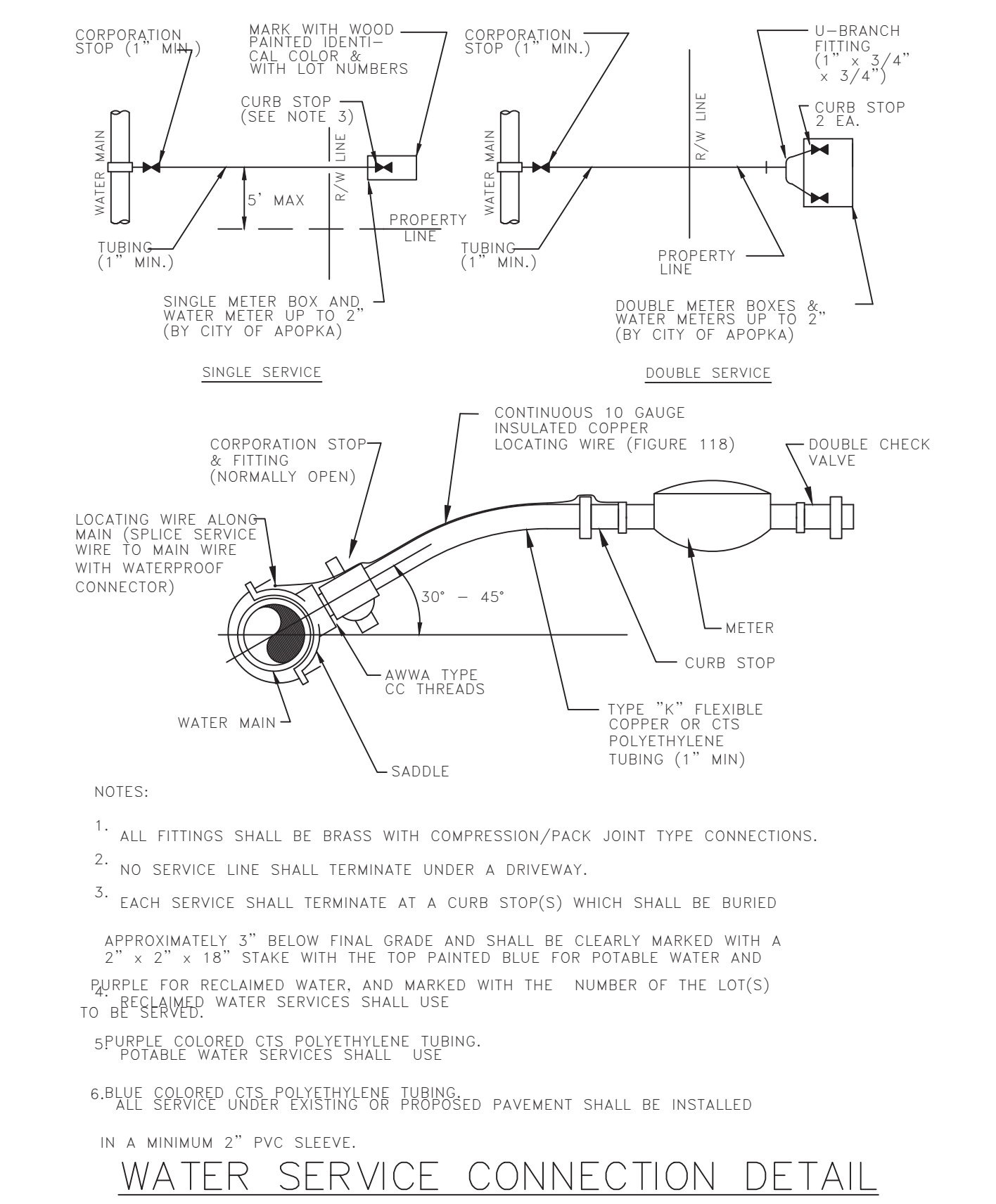
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CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

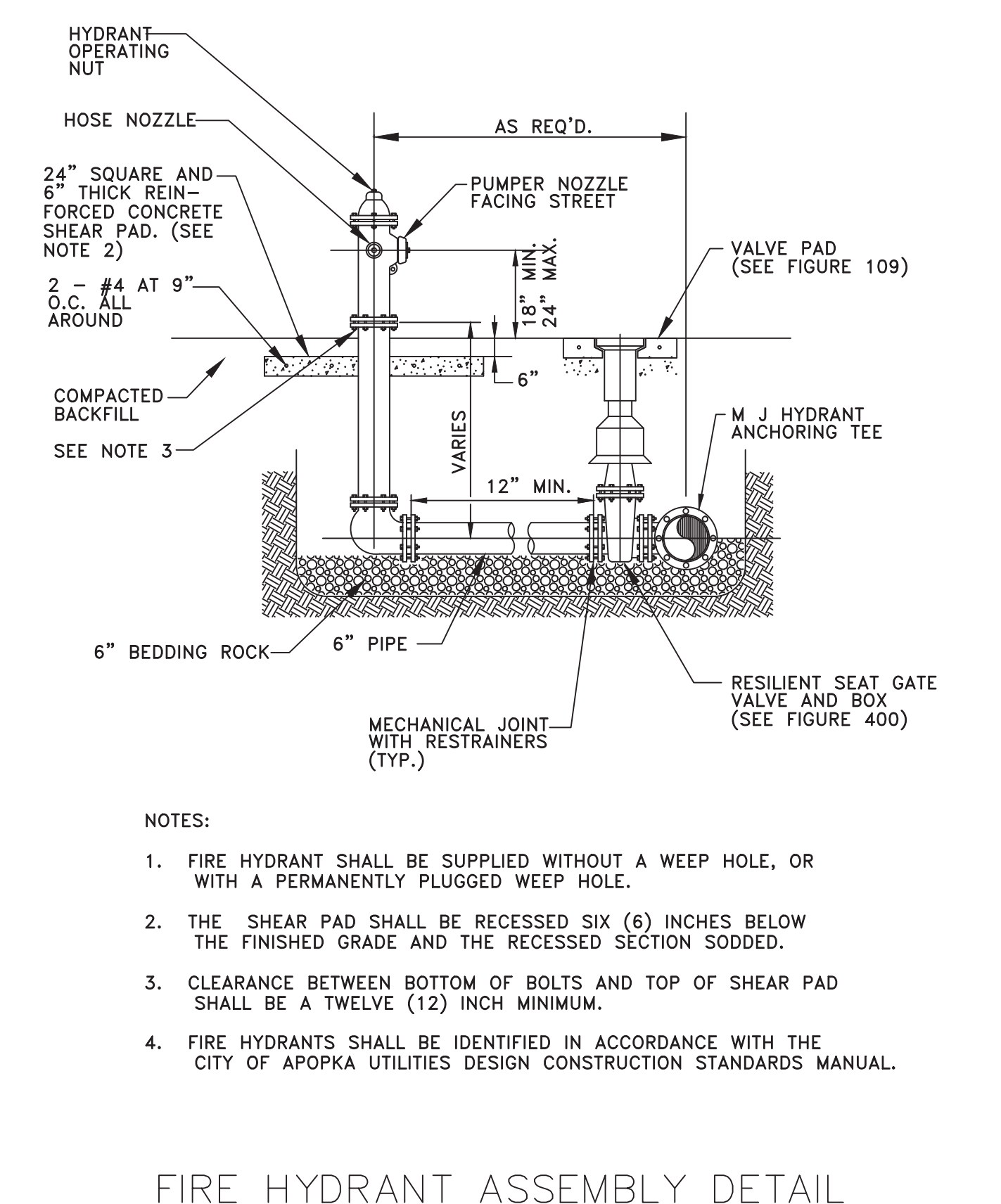
FIG. 406



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

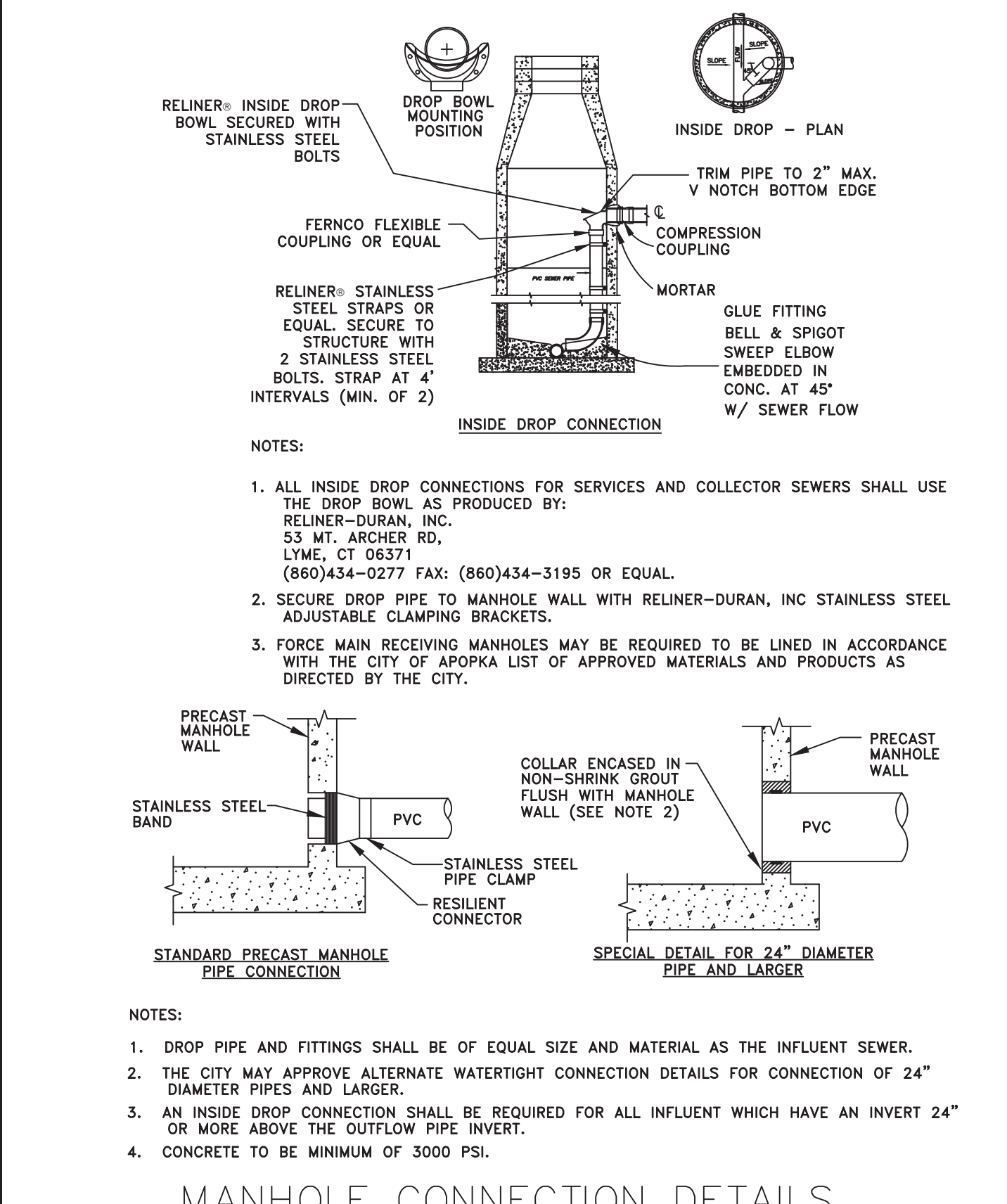
FIG. 405



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

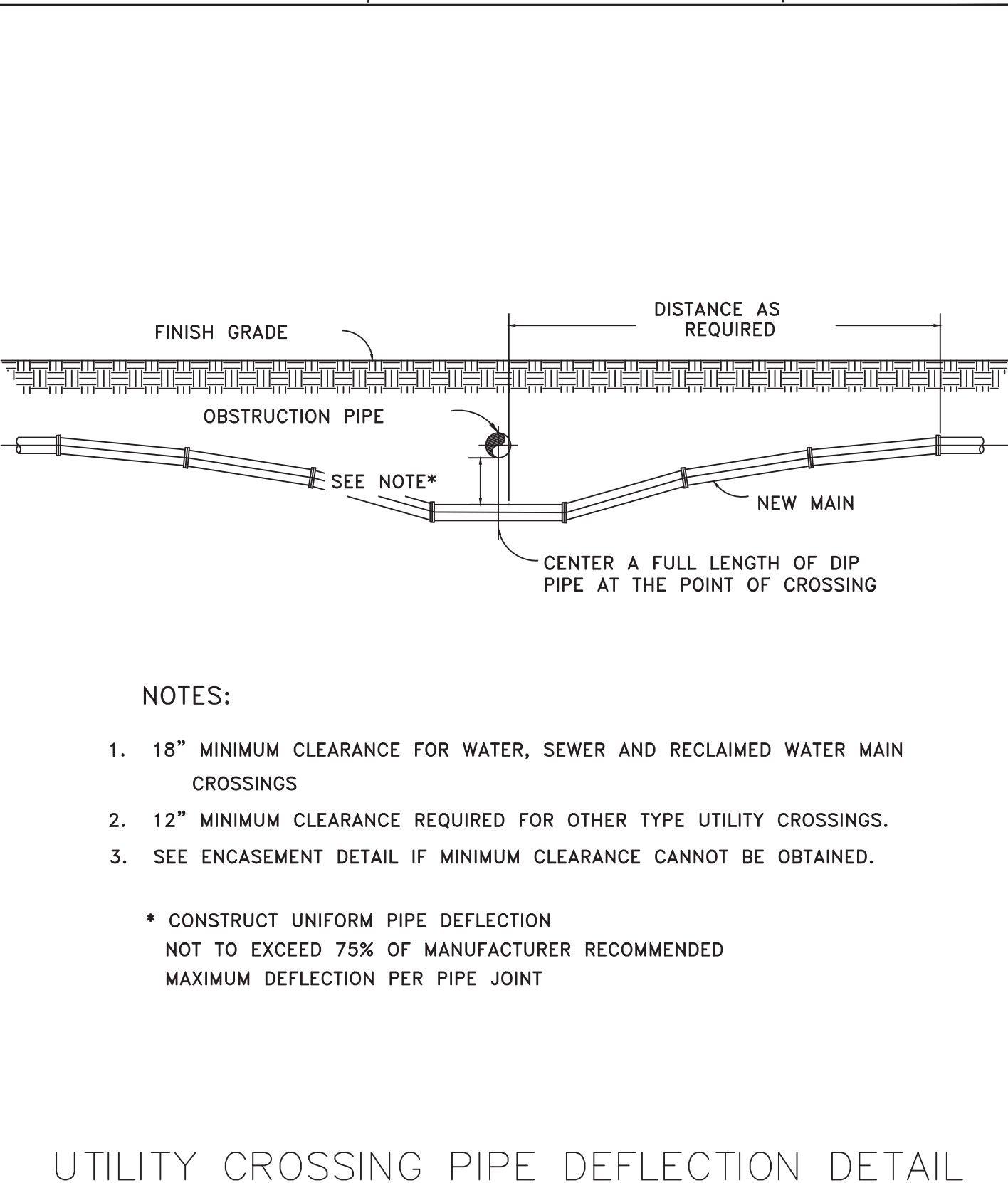
FIG. 402



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2015

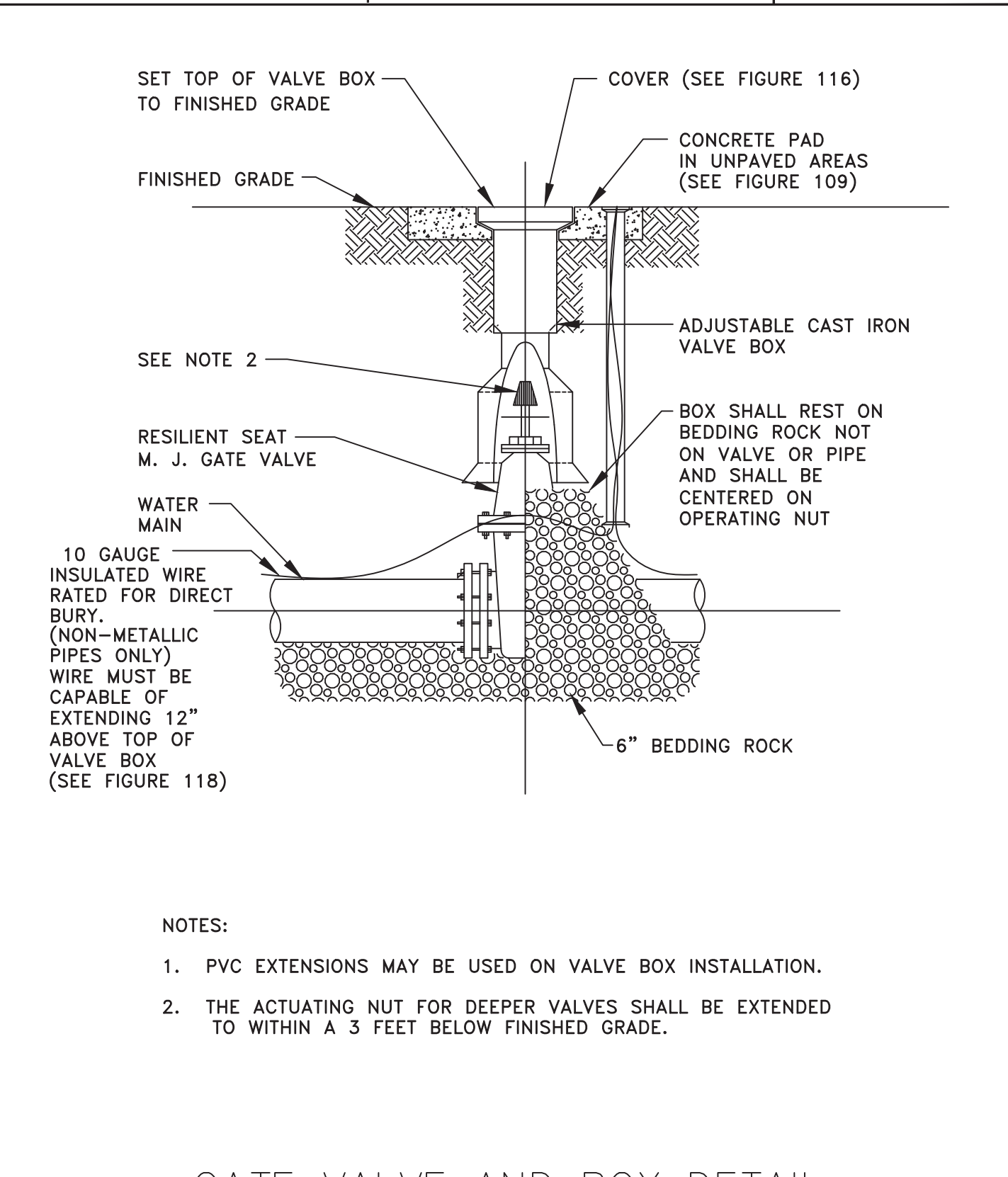
FIG. 201



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

JANUARY 2014

FIG. 117



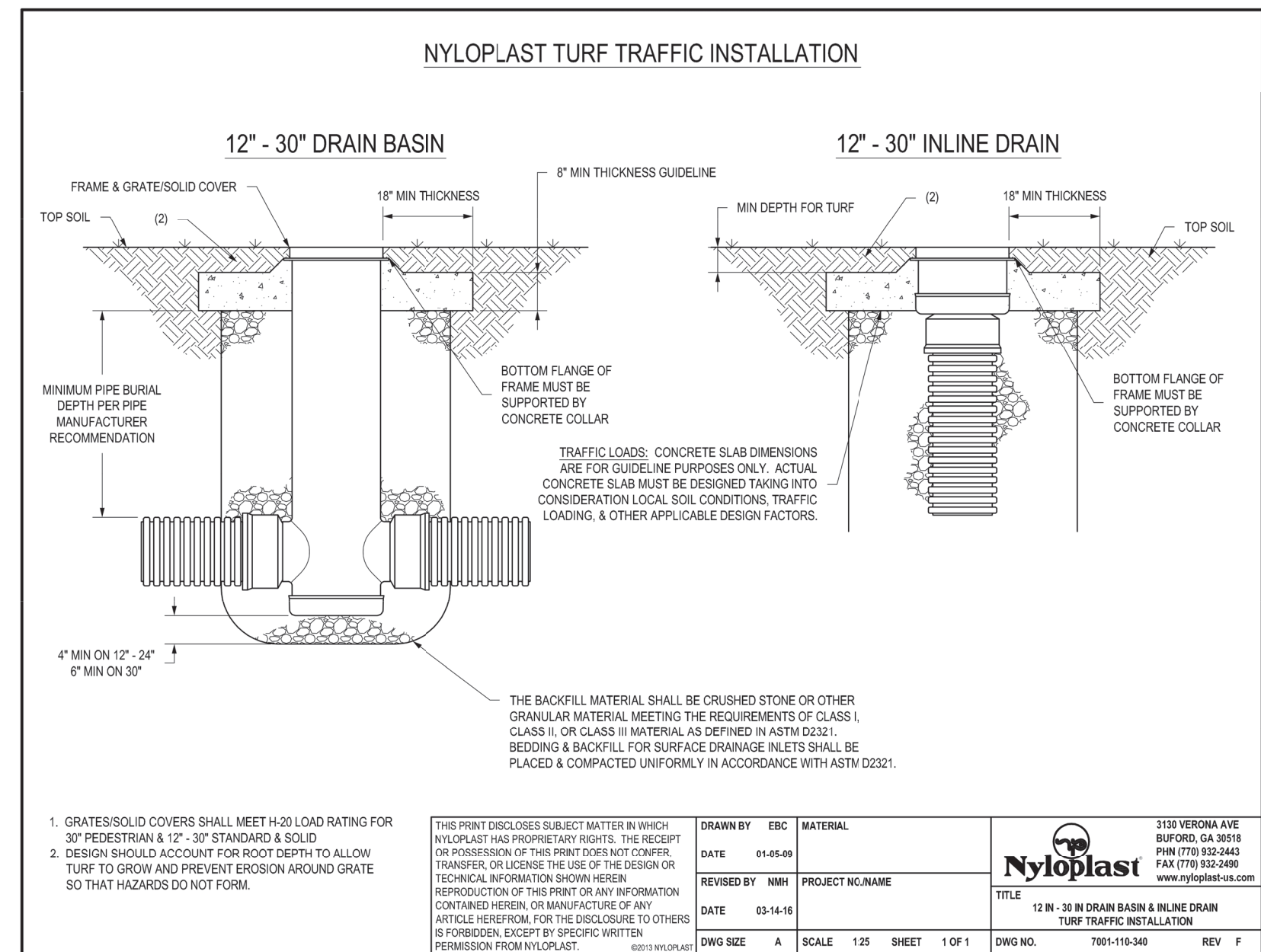
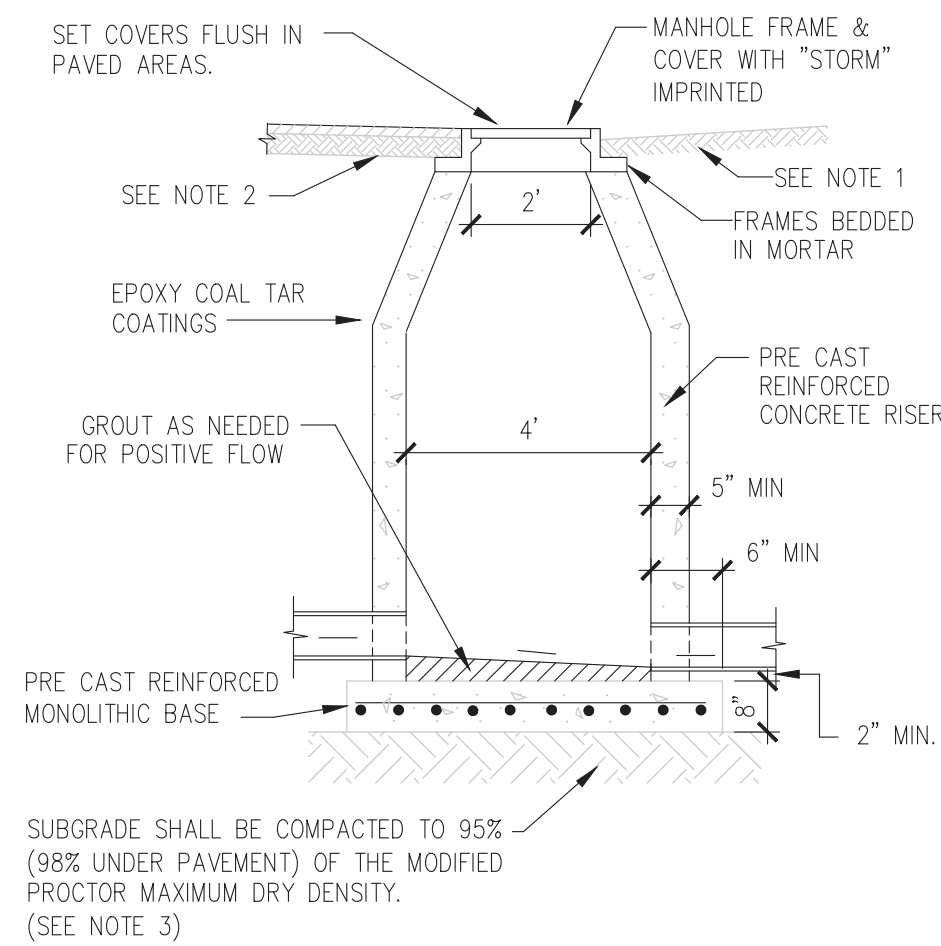
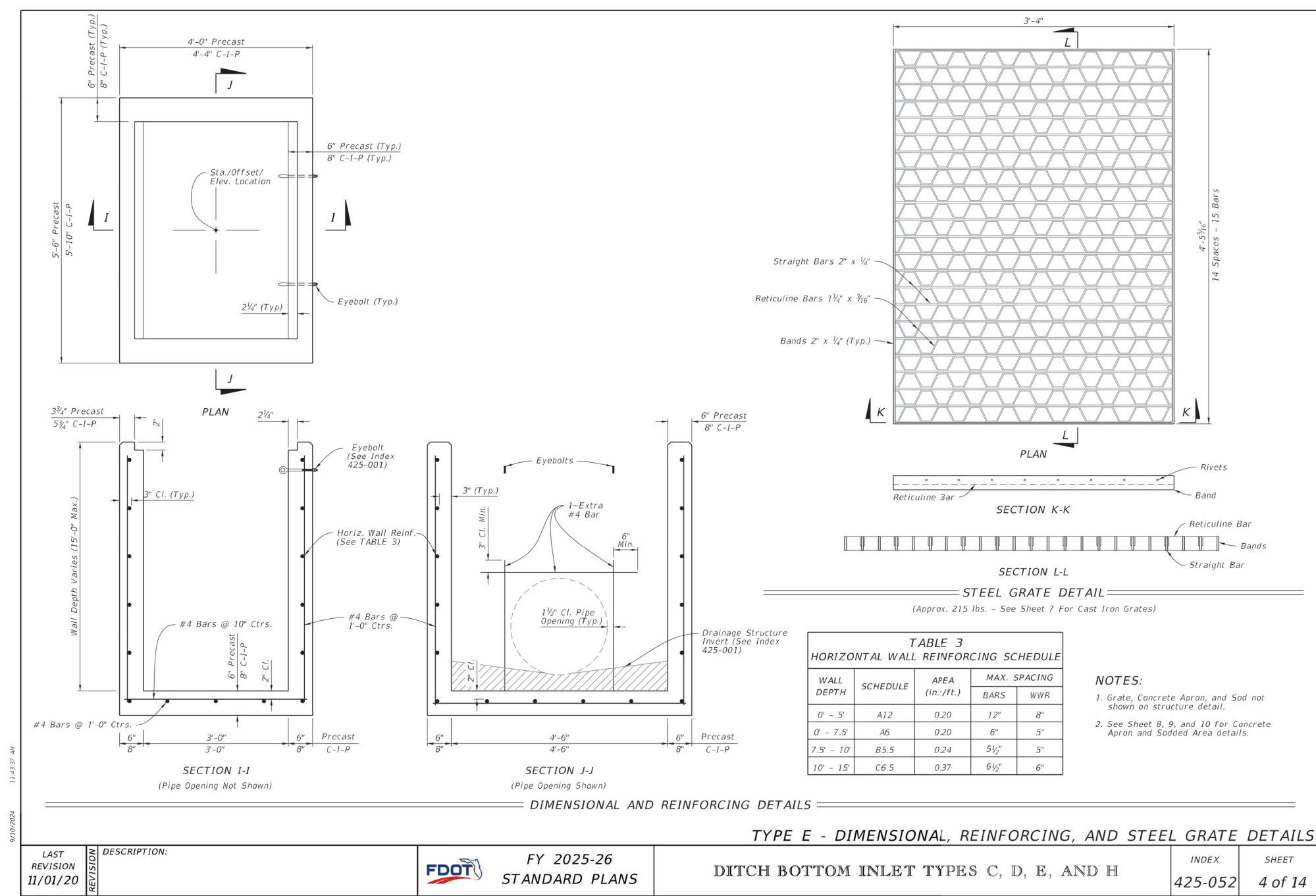
CITY OF APOPKA
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FIG. 400

Sunshine811
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CIVIL ENGINEERING I LAND PLANNING				APPIAN ENGINEERING LLC.				APPIANFL.COM • 407.960.5868				2231 Las Ruas, Suite 27, Winter Park, Florida, 32789				STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION 00121			
UTILITY DETAILS				CENTRAL FLORIDA PREPATORY SCHOOL - PHASE 2				CITY OF APOPKA, FLORIDA											
SCALE	N.T.S.	PROJECT	CFP-001	DRAWN	S. LANCASTER	DESIGNED	L. CLASSON	CHECKED	L. CLASSON	DATE	1/20/2025								
SHEET	C8.0																		



3 CONCRETE COLLAR
N.T.S

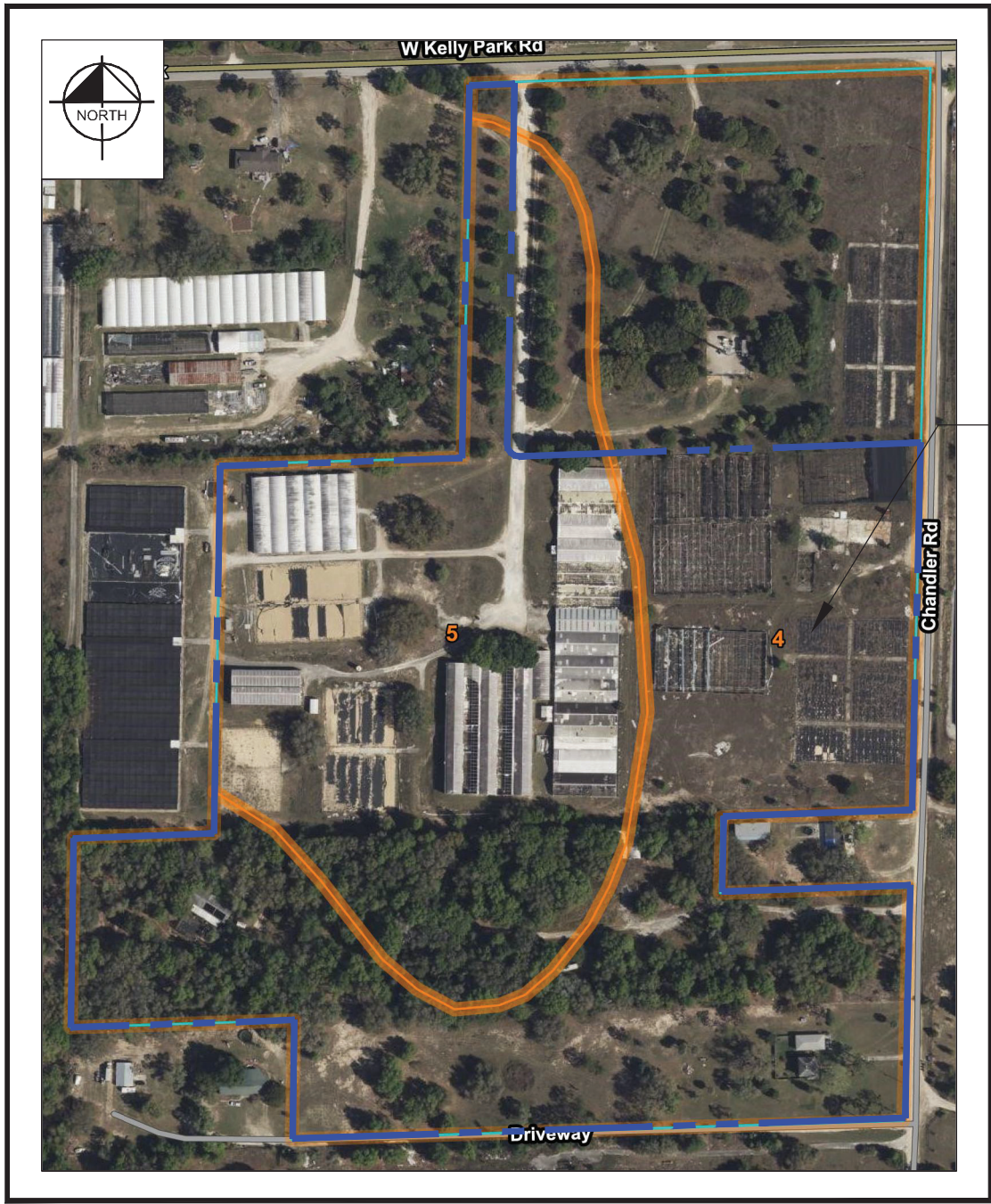
2 MANHOLE
N.T.S.

1 TYPE E INLET
N.T.S.

		SCALE	DRAWN:	DRAINAGE DETAILS CENTRAL FLORIDA PREPATORY SCHOOL – PHASE 2 CITY OF APOPKA, FLORIDA	CIVIL ENGINEERING I LAND PLANNING APPIAN ENGINEERING LLC. APPIANFL.COM • 407.960.5868 2221 LAS ROAD, SUITE 217, WINTER PARK, FLORIDA 32789 STATE OF FLORIDA CERTIFICATE OF AUTHORIZATION NO. 1274	Δ		
		N.T.S.	S. LANCASTER			Δ		
		PROJECT	DESIGNED:			Δ		
		L. CLASSON	L. CLASSON			Δ		
		CHECKED:	CHECKED:			Δ		
		L. CLASSON	L. CLASSON			Δ		
SHEET	DATE:	Δ						
C9.0	1/20/2025	Δ			REVISION	DATE	DESCRIPTION	

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SHEET 19 OF 23



SITE

4 CANDLER FINE SAND, 0 TO 5 PERCENT SLOPES
5 CANDLER FINE SAND, 5 TO 12 PERCENT SLOPES

SOILS MAP
1" = 300'

LEGAL DESCRIPTION: (as provided by the client)

PARCEL 1:

BEGIN AT THE NORTH QUARTER CORNER OF SECTION 18, TOWNSHIP 20 SOUTH, RANGE 28 EAST, RUN S01°10'19"1329.10 FEET TO THE SOUTHEAST CORNER OF THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER; THENCE S87°54'10"W, 484.85 FEET; THENCE N00°39'10"E, 663.87 FEET; THENCE N87°51'36"E, 293.90 FEET; THENCE N01°10'19"E, 664.39 FEET; THENCE N87°49'30"E, 197.00 FEET TO THE POINT OF BEGINNING. ALL OF SAID LANDS LYING AND BEING IN ORANGE COUNTY, FLORIDA. LESS AND EXCEPT RIGHT-OF-WAY FOR KELLY PARK ROAD.

PARCEL 2:

BEGIN 328.77 FEET EAST OF THE SOUTHWEST CORNER OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 18, TOWNSHIP 20 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA; RUN NORTH 20 FEET; RUN EAST 637.29 FEET; RUN SOUTH 20 FEET; RUN WEST TO THE POINT OF BEGINNING.
(NOTE: PARCEL 2 IS INCLUDED WITHIN THE PARCEL 3 DESCRIPTION)

PARCEL 3:

A PORTION OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 18, TOWNSHIP 20 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHWEST CORNER OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF SAID SECTION 18; THENCE RUN NORTH 87°54'10" EAST, ALONG THE SOUTH LINE OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 SAID SECTION 18, 249.69 FEET, TO THE POINT OF BEGINNING. THENCE DEPARTING SAID SOUTH LINE, RUN NORTH 00°42'46" EAST, 643.32 FEET; THENCE RUN NORTH 87°51'36" EAST, 423.85 FEET; THENCE RUN NORTH 00°57'29" EAST, 653.80 FEET TO A POINT ON THE SOUTH RIGHT-OF-WAY LINE OF WEST KELLY PARK ROAD; THENCE RUN NORTH 87°49'05" EAST, ALONG THE SOUTH RIGHT-OF-WAY LINE SAID WEST KELLY PARK ROAD, 609.34 FEET; THENCE DEPARTING SAID SOUTH RIGHT-OF-WAY LINE, RUN SOUTH 01°10'18" WEST, 634.35 FEET; THENCE RUN SOUTH 87°51'36" WEST, 292.33 FEET; THENCE RUN SOUTH 00°39'10" WEST, 663.87 FEET, TO A POINT ON THE SOUTH LINE OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF SAID SECTION 18; THENCE RUN SOUTH 87°54'10" WEST, ALONG THE SOUTH LINE OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF SAID SECTION 18, 739.23 FEET TO THE POINT OF BEGINNING.

PARCEL 4:

THE NORTH 1/4 OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 18, TOWNSHIP 20 SOUTH, RANGE EAST, ORANGE COUNTY, FLORIDA, LESS THE NORTH 132 FEET OF THE EAST 330 FEET OF THE NORTH 1/4 OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 18, TOWNSHIP 20 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA.

ALSO LESS:

COMMENCE AT THE NORTHEAST CORNER OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 18, TOWNSHIP 20 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA; THENCE SOUTH 86°43'53" WEST, 916.44 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 86°43'53" WEST, 553.83 FEET; THENCE SOUTH 00°32'44" EAST, 331.96 FEET; THENCE NORTH 86°45'16" EAST, 1466.89 FEET TO THE EAST LINE OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SAID SECTION 18; THENCE NORTH 00°01'38" WEST, 15.02 FEET ALONG THE EAST LINE OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SAID SECTION 18; THENCE SOUTH 86°45'16" WEST, 697.84 FEET; THENCE NORTH 00°35'58" WEST, 90.75 FEET; THENCE SOUTH 89°24'02" WEST, 215.18 FEET; THENCE NORTH 00°35'58" WEST, 216.47 FEET TO THE POINT OF BEGINNING.

PARCEL 5:

COMMENCE AT THE NORTHEAST CORNER OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 18, TOWNSHIP 20 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA; THENCE SOUTH 86°43'53" WEST, 916.44 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE SOUTH 86°43'53" WEST, 553.83 FEET; THENCE SOUTH 00°32'44" EAST, 331.96 FEET; THENCE NORTH 86°45'16" EAST, 1466.89 FEET TO THE EAST LINE OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SAID SECTION 18; THENCE NORTH 00°01'38" WEST, 15.02 FEET ALONG THE EAST LINE OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SAID SECTION 18; THENCE SOUTH 86°45'16" WEST, 697.84 FEET; THENCE NORTH 00°35'58" WEST, 90.75 FEET; THENCE SOUTH 89°24'02" WEST, 215.18 FEET; THENCE NORTH 00°35'58" WEST, 216.47 FEET TO THE POINT OF BEGINNING.

PARCEL 6:

THE NORTH 7 1/2 ACRES OF THE NORTH 15 ACRES OF THE SOUTH 3/4 OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 18, TOWNSHIP 20 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA.

LESS:

THE WEST 391.84 FEET OF THE NORTH 7 1/2 ACRES OF THE NORTH 15 ACRES OF THE SOUTH 3/4 OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 18, TOWNSHIP 20 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA.

ALSO LESS THE SOUTH 15 FEET, LESS THE WEST 391.84 FEET OF THE NORTH 7 1/2 ACRES OF THE NORTH 15 ACRES OF THE SOUTH 3/4 OF THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 18, TOWNSHIP 20 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA.

PROPERTY OWNERS

CHANDLER OAKS APOPKA, LLC:
PARCEL IDS: 18-20-28-0000-00-027
3670 MAGUIRE BLVD 220
ORLANDO, FL 32803

KELLY PARK ROAD PROPERTY LLC:
A PORTION OF PARCEL IDS #18-20-28-0000-00-138
A PORTION OF PARCEL IDS #18-20-28-0000-00-001
9259 POINT CYPRESS DRIVE
ORLANDO, FL 32836

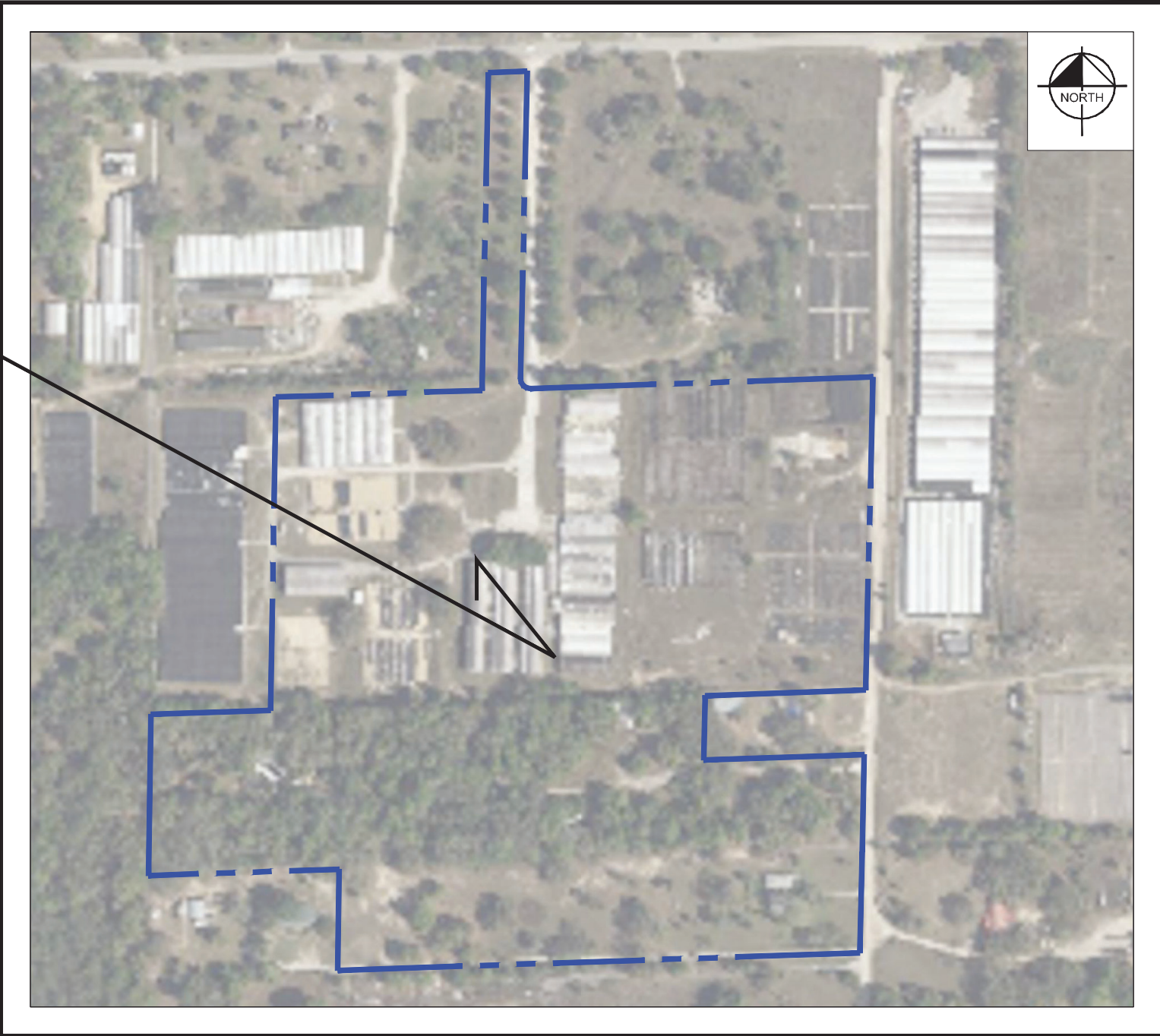
UTILITY PROVIDERS

WATER AND SEWER:

CITY OF APOPKA
COMMUNITY DEVELOPMENT DEPARTMENT
120 E. MAIN STREET, 2ND FLOOR
APOPKA, FLORIDA 32703
PHONE: (407) 703-1712

POWER:

DUKE ENERGY
3250 BONNETT CREEK ROAD
PO BOX 10000
LAKE BUENA VISTA, FLORIDA 32830
PHONE: (407) 938-661



PROJECT AREA

SECTION 13, TOWNSHIP 20S, RANGE 27E

AERIAL MAP

1" = 300'

PROJECT TEAM

DEVELOPER/APPLICANT:

INB HOMES
3670 MAGUIRE BLVD., SUITE 220
ORLANDO, FL 32803
CONTACT: JONATHAN BELL
PHONE: (804) 240-9548
EMAIL: J.BELL@INBHOMES.COM

CIVIL ENGINEER:

KIMLEY-HORN AND ASSOCIATES, INC.
200 S. ORANGE AVE., SUITE 600
ORLANDO, FL 32801
CONTACT: BRIAN S. ASHBY
PHONE: (407) 898-1511
EMAIL: BRIAN.ASHBY@KIMLEY-HORN.COM

SURVEYOR:

ALLEN & COMPANY, INC.
16 EAST PLANT STREET
WINTER GARDEN, FL 34787
CONTACT: JAMES RICKMAN, P.S.M.
PHONE: (407) 654-5355
EMAIL: JIM@ALLEN-COMPANY.COM

LANDSCAPE ARCHITECT:

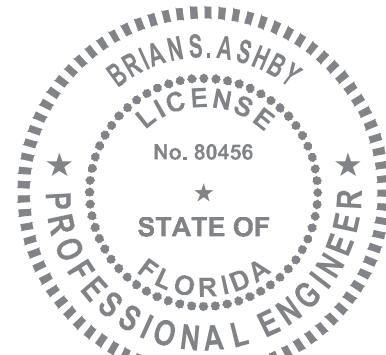
KIMLEY-HORN AND ASSOCIATES, INC.
200 S. ORANGE AVE., SUITE 600
ORLANDO, FL 32801
CONTACT: MATTHEW FRANKO
PHONE: (407) 898-1511
EMAIL: MATT.FRANKO@KIMLEY-HORN.COM

ENVIRONMENTAL:

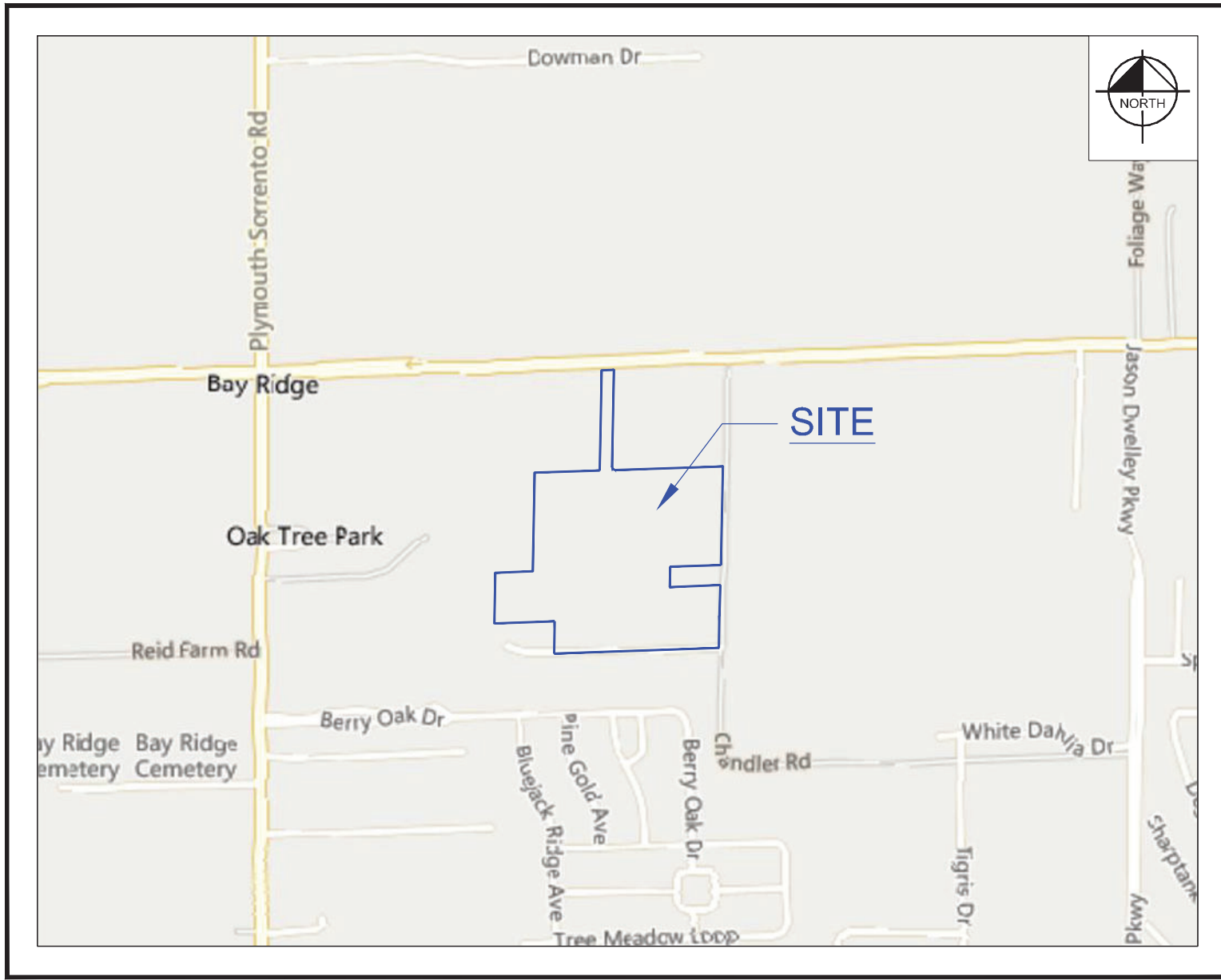
BIO-TECH CONSULTING INC
3025 EAST SOUTH STREET
ORLANDO, FL 32803
PHONE: (407) 938-5969

PREPARED BY
Kimley»Horn

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

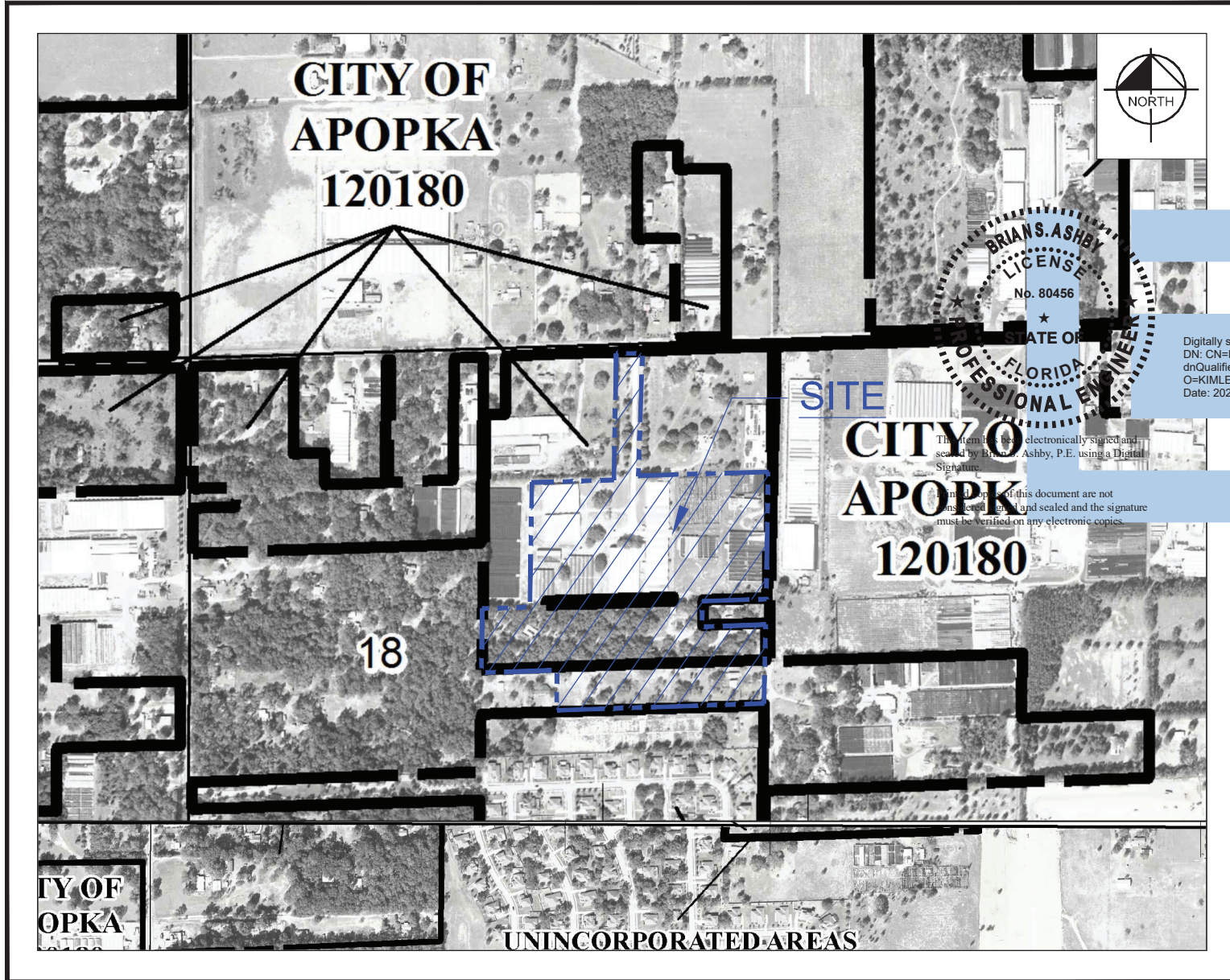


BRIAN S. ASHBY, P.E.
FL PE No. 80456



VICINITY MAP

1" = 1500'



FEMA MAP

1" = 800'

12095C0050H MAP REVISED SEPTEMBER 24, 2021
12095C00110H MAP REVISED SEPTEMBER 24, 2021
12095C00125H MAP REVISED SEPTEMBER 24, 2021

CHANDLER OAKS
03/10/2025
ENGINEER'S PROJECT No. 249490000

REVISIONS:

NO.	DESCRIPTION	DATE	BY

Plotted By: Gonzalez, Randy - Sheet Set: Kelly Park - CSP - Layout: C1.0 - GENERAL NOTES - March 10, 2025 - 09:04:31am - K:\env-civil\249490000-kelly park.mxd used as CADD\CONSTRUCTION\plansheets - csp\C1.0 - GENERAL NOTES.dwg
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GENERAL
1. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. THE EXISTING UTILITY INFORMATION SHOWN IS BASED ON THE TOPOGRAPHIC SURVEY PROVIDED BY ALLEN & COMPANY. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES, AFFECTING THIS AREA PRIOR TO CONSTRUCTION WORK. 2. PRIOR TO THE INITIATION OF SITE CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ANY EXISTING UTILITIES INCLUDING GAS, WATER, ELECTRIC, CABLE TV, COMMUNICATIONS, SANITARY SEWERS AND STORM DRAINAGE SYSTEMS, ON AND / OR ADJACENT TO THE SITE. REMOVE OR CAP AS NECESSARY. 3. THE CONTRACTOR SHALL EXERCISE CAUTION IN AREAS OF BURIED UTILITIES AND SHALL CALL "SUNSHINE" AT 1-800-432-4770 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION TO ARRANGE FOR FIELD LOCATIONS OF BURIED UTILITIES. 4. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND, THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED, BY THE CONTRACTOR OR SUB-CONTRACTORS, AS CALLED FOR IN THESE CONTRACT DOCUMENTS. 5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS SPECIFIED BY THE VARIOUS GOVERNMENTAL AGENCIES AND THE ENGINEER. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION, AND SCHEDULE INSPECTIONS ACCORDING TO AGENCY INSTRUCTION/REQUIREMENTS. 6. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, ON ALL PRECAST AND MANUFACTURED ITEMS, TO THE OWNER'S ENGINEER FOR REVIEW. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE. 7. ALL UTILITY SERVICE STUB-OUTS (WATER, SANITARY SEWER, etc.) ARE TO BE INSTALLED WITHIN 5' OF THE POINT ON CONNECTION TO THE BUILDING(S), UNLESS OTHERWISE NOTED ON PLANS. 8. CONTRACTOR TO COORDINATE WITH THE APPLICABLE ELECTRIC UTILITY SUPPLIER REGARDING ANY NECESSARY RELOCATION(S) OF UNDERGROUND AND/OR OVERHEAD ELECTRIC FACILITIES, AND FOR THE LOCATION AND INSTALLATION OF TRANSFORMER PAD(S) AND ASSOCIATED ELECTRIC FACILITIES. 9. SAFETY: A. DURING THE CONSTRUCTION AND/OR MAINTENANCE OF THIS PROJECT, ALL SAFETY REGULATIONS ARE TO BE ENFORCED. THE CONTRACTOR OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR THE CONTROL AND SAFETY OF THE TRAVELING PUBLIC AND THE SAFETY OF HIS/HER PERSONNEL. B. LABOR SAFETY REGULATIONS SHALL CONFORM TO THE PROVISIONS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA). C. THE MINIMUM STANDARDS AS SET FORTH IN THE CURRENT EDITION OF "THE STATE OF FLORIDA, MANUAL ON TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS" SHALL BE FOLLOWED IN THE DESIGN, APPLICATION, INSTALLATION, MAINTENANCE AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS NECESSARY TO PROTECT THE PUBLIC AND CONSTRUCTION PERSONNEL FROM HAZARDS WITHIN THE PROJECT LIMITS. D. ALL TRAFFIC CONTROL MARKINGS AND DEVICES SHALL CONFORM TO THE PROVISIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES PREPARED BY THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION. E. ALL SUBSURFACE CONSTRUCTION SHALL COMPLY WITH THE "TRENCH SAFETY ACT". THE CONTRACTOR SHALL INSURE THAT THE METHOD OF TRENCH PROTECTION AND CONSTRUCTION IS IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS. F. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY AND ENFORCE ALL APPLICABLE SAFETY REGULATIONS. THE ABOVE INFORMATION HAS BEEN PROVIDED FOR THE CONTRACTOR'S INFORMATION ONLY AND DOES NOT IMPLY THAT THE OWNER OR ENGINEER WILL INSPECT AND/OR ENFORCE SAFETY REGULATIONS. 10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AN R-O-W UTILIZATION PERMIT (IF REQUIRED) FOR CONSTRUCTION OF THE PROPOSED UTILITIES. THIS PERMIT MUST BE OBTAINED BY A DULY LICENSED PLUMBING CONTRACTOR (OR CLASS A GENERAL CONTRACTOR) PRIOR TO THE START OF CONSTRUCTION. THESE PLANS AND ANY SUBSEQUENT REVISIONS TO THESE PLANS, THAT ARE ISSUED BY THE ENGINEER, WILL BE SUBJECT TO THE APPROVAL CONDITIONS OF THIS PERMIT. 11. THE GRAPHIC INFORMATION DEPICTED ON THESE PLANS HAS BEEN COMPILED TO PROPORTION BY SCALE AS ACCURATELY AS POSSIBLE. HOWEVER, DUE TO REPRODUCTIVE DISTORTION, REDUCTION, AND/OR REVISIONS, INFORMATION CONTAINED HEREIN IS NOT INTENDED TO BE SCALED FOR CONSTRUCTION PURPOSES. 12. ALL SPECIFICATIONS AND DOCUMENTS REFERENCED HEREIN SHALL BE OF THE LATEST REVISION. 13. ALL UNDERGROUND UTILITIES MUST BE IN-PLACE, TESTED AND INSPECTED PRIOR TO BASE AND SURFACE CONSTRUCTION. 14. WORK PERFORMED UNDER THIS CONTRACT SHALL INTERFACE SMOOTHLY WITH ANY OTHER WORK BEING PERFORMED ON SITE BY OTHER CONTRACTORS/SUBCONTRACTORS AND UTILITY COMPANIES. IT WILL BE NECESSARY FOR THE GENERAL CONTRACTOR TO COORDINATE AND SCHEDULE HIS/HER ACTIVITIES ACCORDINGLY. 15. ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED. 16. ALL SIGNAGE MUST COMPLY WITH CITY OF APOPKA STANDARDS. 17. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER. 18. FIRE LINE IS DESIGNED BY OTHERS AND IS SHOWN FOR COORDINATION PURPOSES ONLY. FIRE LINES SHALL BE INSTALLED BY A CONTRACTOR, DULY LICENSED BY THE STATE OF FLORIDA FIRE MARSHALL'S OFFICE. CONTRACTOR TO VERIFY REQUIREMENTS PRIOR TO CONSTRUCTION OF THE FIRE PROTECTION SYSTEM. 19. ALL CONCRETE SIDEWALKS SHALL BE CONSTRUCTED PER FDOT DESIGN INDEX (ED. 2025-26) #522-001. 20. SITEWORK SHALL COMPLY WITH LATEST FLORIDA BUILDING CODE, FLORIDA ACCESSIBILITY CODE, AND CITY OF APOPKA STANDARDS CODE. 21. ANY WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED. ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE. 22. ALL DISTURBED AREAS SHALL BE SODDED WITH BAHIA UNLESS OTHERWISE NOTED. 23. CONTRACTOR TO PREPARE MAINTENANCE OF TRAFFIC PLANS FOR REVIEW AND APPROVAL BY CITY OF APOPKA PRIOR TO ANY CONSTRUCTION WITHIN ORANGE COUNTY RIGHT-OF-WAY.

STORM DRAINAGE SYSTEM
1. STANDARD INDICES REFER TO THE 2025-26 EDITION OF F.D.O.T. STANDARD PLANS. 2. ALL STORM SEWER PIPE SHALL BE FDOT APPROVED CLASS III RCP UNLESS OTHERWISE NOTED ON PLANS. ALL DRAINAGE STRUCTURES SHALL BE IN ACCORDANCE WITH F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS UNLESS OTHERWISE NOTED ON PLANS. FDOT CLASS III RCP WILL BE CONSIDERED AN ACCEPTABLE ALTERNATIVE WITH PRIOR APPROVAL FROM THE OWNER AND ENGINEER. 3. PIPE LENGTHS SHOWN ARE APPROXIMATE AND TO CENTER OF DRAINAGE STRUCTURES, WITH THE EXCEPTION OF MITERED END AND FLARED END SECTIONS, WHICH ARE NOT INCLUDED IN LENGTHS. 4. ALL DRAINAGE STRUCTURE GRATES AND COVERS, EITHER EXISTING OR PROPOSED SHALL BE TRAFFIC RATED FOR H-20 LOADINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY UPGRADES TO EXISTING DRAINAGE STRUCTURES. 5. CONSTRUCTION OF THE STORMWATER MANAGEMENT SYSTEM MUST BE COMPLETE. AND ALL DISTURBED AREAS STABILIZED IN ACCORDANCE WITH THE PERMITTED PLANS AND CONDITIONS PRIOR TO ANY OF THE FOLLOWING: ISSUANCE OF THE FIRST CERTIFICATE OF OCCUPANCY; INITIATION OF INTENDED USE OF THE INFRASTRUCTURE; OR TRANSFER OF RESPONSIBILITY FOR MAINTENANCE OF THE SYSTEM TO A LOCAL GOVERNMENT OR OTHER RESPONSIBLE ENTITY. 6. THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORM WATER PIPING PER JURISDICTION REGULATIONS (MANUFACTURER'S RECOMMENDATIONS SHALL BE UTILIZED IF MORE STRINGENT). 7. STORM WATER PIPES, STRUCTURES, MINIMUM COVER AND INSTALLATION PROCEDURES TO BE IN ACCORDANCE WITH THE CITY OF APOPKA ENGINEERING DESIGN REQUIREMENTS AND SPECIFICATIONS. 8. ALL DRAINAGE PIPES SHALL BE FILTER FABRIC WRAPPED PER FDOT STANDARD DESIGN INDEX (ED. 2025-26) #430-001.

DRAINAGE SYSTEM TESTING AND INSPECTION
1. THE STORM DRAINAGE PIPING SYSTEM SHALL BE SUBJECT TO A VISUAL INSPECTION BY THE OWNER'S ENGINEER PRIOR TO THE PLACEMENT OF BACKFILL. CONTRACTOR TO NOTIFY THE ENGINEER 2 FULL BUSINESS DAYS IN ADVANCE TO SCHEDULE INSPECTION. 2. THE CONTRACTOR SHALL MAINTAIN AND PROTECT FROM MUD, DIRT, DEBRIS, ETC. BOTH THE EXISTING AND PROPOSED STORM DRAINAGE SYSTEMS UNTIL FINAL ACCEPTANCE OF THE PROJECT. THE STORM SYSTEM WILL BE REINSPECTED BY THE OWNER'S ENGINEER PRIOR TO APPROVAL FOR CERTIFICATE OF OCCUPANCY PURPOSES. THE CONTRACTOR MAY BE REQUIRED TO RECLEAN PIPES AND INLETS AT THE CONTRACTORS EXPENSE AND PRIOR TO FINAL ACCEPTANCE.
PAVING, GRADING AND DRAINAGE
1. ALL DELETERIOUS SUBSURFACE MATERIAL (I.E. MUCK, PEAT, BURIED DEBRIS, ETC.) IS TO BE EXCAVATED AND REPLACED WITH SUITABLE/COMPACTED SOILS, AS DIRECTED BY THE GEOTECHNICAL ENGINEER OF RECORD OR THE OWNERS ENGINEERS. DELETERIOUS MATERIAL IS TO BE STOCKPILED OR REMOVED FROM THE SITE AS DIRECTED BY THE OWNER OR OWNER'S ENGINEER. EXCAVATED AREAS ARE TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE PLANS AND PER THE GEOTECHNICAL REPORT. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING DELETERIOUS MATERIAL FROM THE SITE. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND WILL PROVIDE BRACING, SHEETING OR SHORING AS NECESSARY. DEWATERING METHODS SHALL BE USED AS REQUIRED TO KEEP TRENCHES DRY WHILE PIPE AND APPURTENANCES ARE BEING PLACED. 3. ALL NECESSARY FILL AND EMBANKMENT THAT IS PLACED DURING CONSTRUCTION SHALL CONSIST OF MATERIAL SPECIFIED BY THE OWNER'S SOILS TESTING COMPANY OR ENGINEER AND BE PLACED AND COMPACTED ACCORDING TO THESE PLANS. 4. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADES (INCLUDING SOD HEIGHT), UNLESS OTHERWISE NOTED. 5. IT MAY BE NECESSARY TO FIELD ADJUST PAVEMENT ELEVATIONS TO PRESERVE THE ROOT SYSTEMS OF TREES SHOWN TO BE SAVED. CONTRACTOR TO COORDINATE WITH OWNER'S ENGINEER PRIOR TO ANY ELEVATION CHANGES. 6. CONTRACTOR SHALL TRIM, TACK AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. 7. CURBING SHALL BE PLACED AT THE EDGES OF ALL PAVEMENT, UNLESS OTHERWISE NOTED. REFER TO THE 2025-26 EDITION OF F.D.O.T. "ROADWAY AND TRAFFIC DESIGN STANDARDS" FOR DETAILS AND SPECIFICATIONS OF ALL F.D.O.T. TYPE CURB AND GUTTERS CALLED FOR IN THESE PLANS. 8. PRIOR TO CONSTRUCTING CONCRETE PAVEMENT, THE CONTRACTOR IS TO SUBMIT A PROPOSED JOINTING PATTERN TO THE SOILS ENGINEER FOR APPROVAL. 9. CONTRACTOR TO PROVIDE A 1/2" TO 1" BITUMINOUS EXPANSION JOINT MATERIAL WITH SEALER AT ABUTMENT OF CONCRETE AND OTHER MATERIALS (STRUCTURES, OTHER POURED) 10. ALL PAVEMENT MARKINGS SHALL BE MADE IN ACCORDANCE WITH F.D.O.T. STANDARD INDEX #711-001. 11. THE CONTRACTOR WILL STABILIZE BY SEED AND MULCH, SOD, OR OTHER APPROVED MATERIALS ANY DISTURBED AREAS WITHIN ONE WEEK FOLLOWING CONSTRUCTION OF THE UTILITY SYSTEMS AND PAVEMENT AREAS. CONTRACTOR SHALL MAINTAIN SUCH AREAS UNTIL FINAL ACCEPTANCE BY OWNER. CONTRACTOR TO COORDINATE WITH OWNER REGARDING TYPE OF MATERIAL, LANDSCAPING AND IRRIGATION REQUIREMENTS. 12. THE CONTRACTOR SHALL RESTORE OFF-SITE CONSTRUCTION AREAS TO EQUAL AND/OR BETTER CONDITION THAN EXISTING PRIOR TO START OF CONSTRUCTION. 13. UNLESS OTHERWISE NOTED, GRADE TO MEET EXISTING ELEVATION AT PROPERTY LINES. 14. SURVEY MONUMENTS OR BENCHMARKS, WHICH HAVE TO BE DISTURBED BY THIS WORK, SHALL BE REPLACED UPON COMPLETION OF WORK BY A REGISTERED LAND SURVEYOR AT CONTRACTORS EXPENSE. 15. FINAL GRADES SHOWN INCLUDE SOD HEIGHT. ALL AREAS SHALL BE GRADED TO DRAIN AWAY FROM THE BUILDINGS. 16. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH ALL LOCAL, STATE AND JURISDICTIONAL PERMITTING AGENCIES. 17. 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, WHETHER SPECIFICALLY NOTED ON PLANS OR NOT. 18. ALL WORK SHALL COMPLY WITH GEOTECHNICAL REPORT BY UNIVERSAL ENGINEERING SERVICES, LLC. DATED FEBRUARY 04, 2022. 19. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE FDPD NPDES GENERAL PERMIT.

PAVING/GRADING TESTING AND INSPECTION

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

POTABLE WATER SYSTEM

1. ALL DIP PIPE SHALL BE CLASS 50 OR HIGHER. REFER TO NOTE #4 BELOW FOR ADDITIONAL DIP SPECIFICATIONS. ADEQUATE MEASURES AGAINST CORROSION SHALL BE UTILIZED. 2. ALL WATER MAIN PIPE FITTINGS AND APPURTENANCES SHALL BE INSTALLED TO COMPLY WITH CITY OF APOPKA STANDARDS AND SPECIFICATIONS. 3. ALL WATER SERVICE LINES, VALVES AND METERS SHALL BE INSTALLED TO COMPLY WITH APPLICABLE MUNICIPALITY/AGENCY DEPARTMENT STANDARDS AND SPECIFICATIONS. 4. ALL DUCTILE IRON PIPE, 4" TO 24", SHALL BE MANUFACTURED IN ACCORDANCE WITH THE LATEST EDITION OF AWWA C151/A21.51. PIPE SHALL BE FURNISHED IN 18 OR 20 FOOT SECTIONS, PIPE THICKNESS SHALL BE CLASS 50, UNLESS OTHERWISE SPECIFIED. 5. ALL WATER SYSTEM CONSTRUCTION, UP TO AND INCLUDING POINT OF METERING AND BACK FLOW PREVENTION (IF REQUIRED), SHALL BE BUILT ACCORDING TO CITY OF APOPKA UTILITIES STANDARDS AND SPECIFICATIONS. 6. CONTRACTOR TO INSTALL TEMPORARY BLOWOFFS, AT THE END(S) OF PROPOSED WATER MAINS AND SERVICE LATERALS TO BUILDING(S), TO ASSURE ADEQUATE FLUSHING AND DISINFECTION/CHLORINATION. 7. ALL WATER MAINS SHALL BE STERILIZED IN ACCORDANCE WITH THE APPLICABLE SECTION OF THE LATEST AWWA SPECIFICATION C651 AND CITY OF APOPKA WATER DEPARTMENT SPECIFICATIONS. 8. ALL PVC WATER MAIN, 4" TO 8" DIAMETER PIPING, SHALL CONFORM TO ASTM D2241 AND ASTM 1784. PIPE SHALL BE AWWA C-900 DR-18. JOINTS SHALL BE RUBBER GASKETED PUSH-ON CONFORMING TO ASTM D1869. 9. POTABLE WATER MAINS WILL BE PVC SDR 21 (200 PSI) FOR PIPES LESS THEN 4". SCHEDULE 40 AND SCHEDULE 80 PIPING MATERIAL ARE ALSO ACCEPTABLE FOR PIPES SIZES LESS THAN 4". THE ABOVE TYPE INSTALLATIONS MUST BEAR THE "NFS" STAMP FOR COMPATIBILITY WITH POTABLE WATER USE. 10. ALL POLYVINYL CHLORIDE PIPE SHALL BE LAID WITH AN INSULATED 12 GAUGE A.W.G. SOLID STRAND COPPER WIRE WOUND AROUND THE PIPE FORMING ONE COMPLETE SPIRAL PER JOINT OF PIPE. THIS WIRE IS TO BE CONTINUOUS WITH SPLICES MADE ONLY BY METHODS APPROVED BY THE ENGINEER. THIS WIRE IS TO BE SECURED TO ALL VALVES, TEES AND ELBOWS. 11. ALL POTABLE WATER WORK SHALL CONFORM WITH APPLICABLE CITY OF APOPKA UTILITIES DEPARTMENT STANDARDS AND SPECIFICATIONS. 12. ALL WATER MAINS CROSSING BENEATH PAVEMENT SHALL BE DUCTILE IRON.
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POTABLE WATER TESTING AND INSPECTION
1. ALL COMPONENTS OF THE WATER SYSTEM, INCLUDING FITTINGS, HYDRANTS, CONNECTIONS, AND VALVES SHALL REMAIN UNCOVERED UNTIL PROPERLY PRESSURE TESTED AND ACCEPTED BY THE OWNER'S ENGINEER. PRESSURE TESTS TO BE IN ACCORDANCE WITH CITY OF APOPKA UTILITES DEPARTMENT SPECIFICATIONS. CONTRACTOR TO NOTIFY THE OWNER'S ENGINEER AND APPLICABLE AGENCY INSPECTORS 2 FULL BUSINESS DAYS IN ADVANCE OF PERFORMING TESTS. 2. CONTRACTOR TO PERFORM CHLORINATION AND BACTERIOLOGICAL SAMPLING, AND OBTAIN CLEARANCE OF DOMESTIC AND FIRE LINE WATER SYSTEM(S). COPIES OF ALL BACTERIOLOGICAL TEST RESULTS ARE TO BE SUBMITTED TO THE OWNER'S ENGINEER FOR CERTIFICATION PURPOSES. 3. ALL WATER MAINS SHALL BE PRESSURE TESTED IN ACCORDANCE WITH AWWA MANUAL M23, CONCERNING HYDROSTATIC TESTING OF PVC PIPING. OFF-SITE UTILITIES HYDROSTATIC TESTING TO BE WITNESSED BY CITY OF APOPKA WATER DEPARTMENT INSPECTOR.

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

SANITARY TESTING AND INSPECTION

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

1. THE CONTRACTOR IS TO MINIMIZE THE REMOVAL OF VEGETATION TO THE GREATEST EXTENT PRACTICAL. NO TREES SHALL BE REMOVED OR DAMAGED WITHOUT OWNER'S APPROVAL. TREES IN CLOSE PROXIMITY TO CONSTRUCTION SHALL BE PROTECTED BY ORANGE FENCING. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPE BUFFERS AND RETENTION AND DETENTION FACILITIES UNTIL THE WORK HAS BEEN ACCEPTED BY THE OWNER. ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION.

AS BUILT

UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL FURNISH THE OWNER'S ENGINEER WITH COMPLETE "AS-BUILT" INFORMATION, CERTIFIED BY A REGISTERED LAND SURVEYOR. THIS "AS-BUILT" INFORMATION SHALL INCLUDE INVERT ELEVATIONS, LOCATIONS OF STRUCTURES FOR ALL UTILITIES INSTALLED, AS WELL AS GRADE BREAK LOCATIONS AND ELEVATIONS FOR PROPOSED CONSTRUCTION. NO ENGINEER'S CERTIFICATIONS FOR CERTIFICATE OF OCCUPANCY (C.O.) PURPOSES WILL BE MADE UNTIL THIS INFORMATION HAS BEEN RECEIVED AND ACCEPTED BY THE OWNER'S ENGINEER.

CALL 48 HOURS BEFORE YOU DIG

IT'S THE LAW! DIAL 811

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811

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REGISTRATION No. 35106

Professional Engineer
No. 00456
State of Florida
Professional Engineer
This seal has been electronically verified by the State of Florida. It is valid only when used in conjunction with the appropriate license and registration information.

Digitally signed by Brian S. Ashby, DN: cn=Brian S. Ashby, o=Kimley-Horn and Associates, Inc., ou=Engineering, email=brian.ashby@kimley-horn.com, c=US
Date: 2025.03.10 15:44:00 -0400

K-H PROJECT
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DATE
03/10/2025

SCALE
AS SHOWN

DESIGNED BY
RMG

DRAWN BY
RMG

CHECKED BY
BSA

GENERAL NOTES

CHANDLER OAKS

CITY OF APOPKA

FLORIDA

REVISIONS

DATE

BY

SHEET NUMBER
C1.0

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Plotted By: Gonzalez, Randy, Sheet Set: Kelly Park - CSP, Layout: C1.1 GENERAL NOTES, March 10, 2025, 09:04:52am, K:\Veri_civil\249490000-kelly park mixed use\CADD\CONSTRUCTIONsheets - csp\C1.0 GENERAL NOTES.dwg

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DEMOLITION	RIGHT-OF-WAY WORK	EARTHWORK / DEMUCKING PROCEDURES
1. CONTRACTOR SHALL SUBMIT DEMOLITION SCHEDULE TO OWNER PRIOR TO PROCEEDING WITH DEMOLITION ACTIVITIES. 2. EXTENT OF SITE CLEARING IS SHOWN ON DRAWINGS. 3. CONTRACTOR SHALL CONDUCT SITE DEMOLITION OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION. 4. CONTRACTOR SHALL PROVIDE PROTECTION NECESSARY TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS INDICATED ON PLAN "EXISTING TO REMAIN". 5. CONTRACTOR SHALL RESTORE DAMAGED IMPROVEMENTS TO THEIR ORIGINAL CONDITION, AS ACCEPTABLE TO PARTIES HAVING JURISDICTION. 6. CONTRACTOR SHALL REMOVE WASTE MATERIALS AND UNSUITABLE AND EXCESS TOPSOIL FROM PROPERTY AND DISPOSE OF OFF-SITE IN A LEGAL MANNER. 7. CONTRACTOR SHALL DEMOLISH AND COMPLETELY REMOVE FROM SITE MATERIAL INDICATED ON PLAN OR NOTES "TO BE REMOVED". 8. CONTRACTOR SHALL PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY THE DEMOLITION OPERATION.	1. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED. 2. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION WILL BE NECESSARY IN STABILIZATION OPERATIONS AT THESE LOCATIONS. 3. ALL DRAINAGE PIPES SHALL BE STEEL REINFORCED CONCRETE PIPE, CLASS III, UNLESS OTHERWISE NOTED. 4. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE ENGINEER SHOULD NOTIFY THE DISTRICT LOCATION SURVEYOR, WITHOUT DELAY, BY TELEPHONE. 5. EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REPLACED AT THE SAME LOCATION AND WIDTH, UNLESS OTHERWISE SHOWN ON PLANS. 6. THE CONTRACTOR SHALL REMOVE ANY ORGANIC AND PLASTIC MATERIAL ENCOUNTERED IN THE FIELD IN ACCORDANCE WITH FDOT DESIGN STANDARDS (ED. 2025-26) INDEX No. 500. COST OF REMOVAL OF ORGANIC AND PLASTIC MATERIAL AND BACKFILL OF SUITABLE MATERIAL IN ACCORDANCE WITH INDEX No. 505 SHALL BE INCLUDED IN THE COST OF REGULAR EXCAVATION. 7. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED. 8. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED. 9. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES, DURING STANDARD "BUSINESS HOURS", A MINIMUM OF TWO WORKING DAYS PRIOR TO EXCAVATION AS REQUIRED BY CHAPTER 77-153 OF THE FLORIDA STATUTES. 10. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING 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 HIS OWN DETERMINATION AS TO THE TYPE AND LOCATIONS OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO AND PROTECT EXISTING UTILITY FACILITIES DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING UTILITY RELOCATION WITH UTILITY OWNERS. 11. ALL MAINTENANCE OF TRAFFIC ITEMS REQUIRED BY THE 102-600 SERIES INDICES (ED. 2025-26) SHALL BE FURNISHED, INSTALLED, AND MAINTAINED TO PROPERLY MAINTAIN TRAFFIC AND ADDRESS DROP OFF CRITERIA IN THE WORK ZONE. 12. ANY EXISTING OR PROPOSED SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS SHALL BE REMOVED OR COVERED BY THE CONTRACTOR PER INDEX 102-600 AND WHEN THE CONFLICT NO LONGER EXISTS THE SIGNS SHALL BE RESTORED TO THEIR ORIGINAL POSITION. COST SHALL BE INCLUDED IN MAINTENANCE OF TRAFFIC. 13. IF ONLY STANDARD FDOT INDICES (SUCH AS #'S. 102-612, 102-613) WILL BE USED, THEN THE CONTRACTOR WILL NOT BE REQUIRED TO PROVIDE SIGNED AND SEALED MAINTENANCE OF TRAFFIC PLANS. IF THE CONTRACTOR REQUIRES OTHER THAN THE STANDARD FDOT INDICES THEN THE CONTRACTOR WILL HAVE TO SUBMIT SIGNED AND SEALED PLANS TO FDOT FOR REVIEW AND APPROVAL. 14. MAINTENANCE OF TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH FDOT DESIGN STANDARDS (ED. 2025-26), THE STANDARDS SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION (ED. 2025-26), AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS A MINIMUM. 15. MAINTENANCE OF TRAFFIC TO BE SUPERVISED BY A PERSON CERTIFIED IN FDOT M.O.T. 16. ALL DISTURBED AREAS MUST BE SODDED ONLY WITH COMMON BERMUDA SOD. 17. ALL WORK PERFORMED WITHIN FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH FDOT DESIGN STANDARDS (ED. 2025-26), STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (ED. 2025-26), AND THE UTILITY ACCOMMODATION MANUAL (ED. 2017). 18. IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO FACILITIES CAUSED BY CONSTRUCTION OF THE PROJECT. 19. ALL SIDEWALK CLOSURES SHALL ABIDE TO THE STANDARD PROCEDURES PER FDOT DESIGN STANDARDS (ED. 2025-26), INDEX #102-660.	1. A GEOTECHNICAL ENGINEERING INVESTIGATION REPORT HAS BEEN PREPARED FOR PURPOSES OF STORM WATER DESIGN, OF WHICH COPIES ARE AVAILABLE THROUGH THE OWNER OR THEIR SOIL TESTING COMPANY. A GEOTECHNICAL ENGINEER SHALL BE RETAINED BY THE CONTRACTOR TO PROVIDE ON-SITE INSPECTIONS DURING EXCAVATION/FILL OPERATIONS AND TESTING OF THE COMPACTED FILL SO THAT PROPER DOCUMENTATION OF THE REQUIRED COMPACTING CRITERIA CAN BE PROVIDED. 2. ALL EXISTING DEBRIS (ABOVE OR BELOW GROUND), CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR, IN ACCORDANCE WITH APPLICABLE REGULATORY AGENCY REQUIREMENTS IN A LEGAL MANNER. 3. THE CONTRACTOR SHALL INSURE THAT PROPER SOIL DENSITIES ARE ACHIEVED FOR PLACEMENT OF ALL HEADWALL/ENDWALL FOOTINGS, RETAINING WALL FOOTINGS, 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 FINAL INSTALLATION OF IMPROVEMENTS. 4. ANY UNSUITABLE ORGANIC SOIL SHALL BE EXCAVATED TO A MINIMUM MARGIN OF 6 FEET BEYOND ITS PERIPHERY EXCAVATED TO EXPOSE THE UNDERLYING NON-ORGANIC FINE SAND. 5. IF DETERMINED NECESSARY, DEWATERING DURING EXCAVATING/BACKFILLING OPERATIONS MAY BE ACCOMPLISHED BY DITCHING AND THE USE OF SUMP PUMPS AND/OR OTHER METHODS (WELL POINTS), AS NECESSARY. CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS FOR DEWATERING ACTIVITIES THAT MAY BE REQUIRED. 6. UPON APPROVAL OF THE GEOTECHNICAL ENGINEER, THE EXCAVATED AREAS MAY BE BACKFILLED WITH CLEAN FINE SAND FREE OF UNSUITABLE OR DELETERIOUS MATERIAL. HOWEVER, THE FILL SHOULD NOT BE PLACED IN MORE THAN 6 INCHES OF STANDING WATER. ONCE THE FILL IS AT LEAST 2 FEET ABOVE THE DEWATERED LEVEL, BACKFILLING MAY PROCEED AS DIRECTED BY THE GEOTECHNICAL ENGINEER. 7. CONTRACTOR TO FOLLOW THE GUIDANCE OF THE REFERENCED GEOTECHNICAL ENGINEERING INVESTIGATION REPORT OR INDICATE WHETHER ON-SITE GEOTECHNICAL ENGINEER SHALL DETERMINE DEPTH OF DEMUCKING AND/OR REMOVAL OF UNSUITABLE FILL.
DEWATERING NOTES		PAVEMENT MARKING AND SIGNAGE
1. DURING THE EXCAVATION OF THE STORMWATER FACILITIES, AND IF GROUNDWATER IS ENCOUNTERED, THE CONTRACTOR SHALL CONSTRUCT A SEDIMENT BASIN TO PROVIDE A DISCHARGE POINT FOR DEWATERING. THE SEDIMENT BASIN CAN BE LOCATED IN THE PROPOSED EXCAVATION AREA OF A POND OR IT CAN BE A BERMED AREA ABOVE GROUND. ALL DEWATERING MUST BE HELD IN THE SEDIMENT AREA UNTIL THE WATER IS CLEAN SUCH THAT THERE WOULD BE NO TURBID DISCHARGE. AFTER THE WATER IN THE SEDIMENT BASIN IS CLEAN, THE WATER MAY BE RELEASED INTO THE ON-SITE POND PROVIDED THERE IS NO ADVERSE IMPACT TO THE EXISTING WATER QUALITY. 2. UNDER NO CIRCUMSTANCES WILL THE DISCHARGE FROM THE ON-SITE DEWATERING BE DIRECTLY DISCHARGED OFFSITE. 3. DURING THE EXCAVATION THE CONTRACTOR SHALL NOT PENETRATE THE EXISTING CLAY LAYER. IF THE CONTRACTOR ENCOUNTERS THE CLAY LAYER, HE/SHE IS TO PLACE A MINIMUM OF 2 FEET OF SANDY MATERIAL OVER THE CLAY AND TERMINATE THE DEPTH OF THE EXCAVATION. 4. IF CONTRACTOR ENCOUNTERS SILTY/CLAY SAND, WHICH CAUSE THE WATER TO BECOME TURBID, HE/SHE SHALL TREAT THE SEDIMENT BASIN WITH CHEMICAL ADDITIVE SUCH AS ALLUM IN ORDER TO PROMOTE THE COAGULATION OF THE PARTICLES WHICH ALLOW THEM TO SETTLE AND THE WATER TO BECOME LESS TURBID. IF TURBID WATER ENCOUNTERED DURING EXCAVATION OF THE PONDS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY TO DETERMINE THE COURSE OF ACTION THAT IS APPROPRIATE TO ELIMINATE THE TURBITY AND ALLOW DISCHARGE THAT MEET WATER QUALITY STANDARDS. 5. THE CONTRACTOR SHALL SEQUENCE THE EXCAVATION OF THE STORMWATER PONDS SUCH THAT A SEDIMENT BASIN WILL BE AVAILABLE AT ALL TIMES. THE SEDIMENT BASIN CAN BE RELOCATED AS NECESSARY SUBJECT TO THE WATER WITHIN THE SEDIMENT BASIN BEING NON-TURBID AND ACCEPTABLE FOR DISCHARGE OFF-SITE.		1. THE INSTALLATION, SHAPE, AND SIZE OF ALL SIGNS AND THEIR LETTERING SHALL COMPLY WITH THE LATEST EDITIONS OF THE U.S. DEPARTMENT OF TRANSPORTATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, ED. 2009" (MUTCD), AND THE F.D.O.T. "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ED. 2025-26", AND THE F.D.O.T. "DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM (LATEST EDITION)". WHERE CONFLICTS EXIST BETWEEN THE PLANS AND THE ABOVE MENTIONED SPECIFICATIONS, THE MORE STRINGENT CRITERIA SHALL PREVAIL. 2. STOP BARS AND STOP SIGNS ARE TO BE PROVIDED AT ALL INTERNAL, ONSITE INTERSECTIONS, WITH THE EXCEPTION OF SIGNALIZED INTERSECTIONS (UNLESS OTHERWISE NOTED). 3. ALL PAVEMENT MARKINGS SHALL COMPLY WITH THE 2025-26 F.D.O.T. STANDARD INDEX #711-001.

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CHANDLER OAKS

FLORIDA

CITY OF APOPKA

GENERAL NOTES

SHEET NUMBER

C1.1

K-H PROJECT 249490000

DATE 03/10/2025

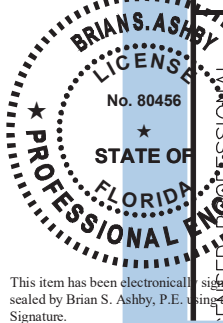
SCALE AS SHOWN

DESIGNED BY RMG

DRAWN BY RMG

CHECKED BY BSA

DATE: 03/11/2025



Kimley»Horn

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REGISTRATION No. 35106

MAN

ORLA

DATE: 03/11/2025

REVISIONS

DATE

BY

Plotted By: Gonzalez, Randy - Sheet Set: Kelly Park - SWPPP - March 10, 2025 - 09:05:01am - K:\proj\cva\249490000-kelly park mixed use\CA02\CONSTRUCTION\plansheets - csp\C2.0 SWPPP.dwg
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STORMWATER POLLUTION PREVENTION PLAN

SITE DESCRIPTION

PROJECT NAME AND LOCATION

CHANDLER OAKS
PARCEL NO.: 18-20-28-0000-00-027;
A PORTION OF 18-20-28-0000-00-138;
A PORTION OF 18-20-28-0000-00-001
APOPKA, FLORIDA

*SEE COVER SHEET FOR LOCATION MAP

DEVELOPER NAME AND ADDRESS

INB HOMES
3670 MAGUIRE BOULEVARD, SUITE 220
ORLANDO, FL 32803
CONTACT: JONATHAN BELL
PHONE: (804) 240-9548
E-MAIL: J.BELL@INBHOMES.COM

PROJECT DESCRIPTION

THE PROPOSED PROJECT WILL CONSIST OF DEVELOPING 34.96 ACRES INTO 240 SINGLE FAMILY DWELLING UNITS AND ASSOCIATED INFRASTRUCTURE.
PROJECT AREA: 34.96 ACRES
CONTRIBUTING DRAINAGE AREA: 34.96 ACRES
LONGITUDE: 81° 33' 05.9"W LATITUDE: 28° 45' 17.7" N

ULTIMATE RECEIVING WATERS: UNNAMED DEPRESSIONAL AREA
SPECIAL REGULATORY BASIN: WEKIVA RECHARGE BASIN, WEKIVA RIVER.

ACTIVITIES THAT REQUIRE EROSION CONTROL

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

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

SOIL PARAMETERS

SOIL TYPES:

SERIES NAME	HYDROLOGIC GROUP
CANDLER FINE SAND, 0 TO 5 PERCENT SLOPES	A
CANDLER FINE SAND, 5 TO 12 PERCENT 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 AND GRUB FOR SEDIMENT BASIN AND EARTH DIKE
4. CONSTRUCT EARTH DIKE AND SEDIMENT BASIN
5. FINISH CLEARING AND GRUBBING
6. REMOVE AND STORE TOPSOIL
7. PROVIDE INITIAL GRADING AS REQUIRED
8. STABILIZE ALL DISTURBED AREAS AS SOON AS POSSIBLE
9. INSTALL UTILITIES, STORM SEWER, CURB AND GUTTER
10. INSTALL BASE TO ROAD
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 CURB INLETS. THE RUNOFF FROM THE SITE WILL DISCHARGE TO THE PROPOSED DRY RETENTION STORMWATER POND AND RECOVER FROM THE DESIGN STORM IN ACCORDANCE WITH SJRWMD 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 14 DAYS OF THE LAST CONSTRUCTION ACTIVITY IN THAT AREA. THE TEMPORARY SEED REQUIRED CAN BE FOUND IN TABLE 1.65 A OF THE FLORIDA DEVELOPMENT MANUAL. PRIOR TO SEEDING, WHERE SOILS ARE ACIDIC 2 TONS OF PULVERIZED AGRICULTURAL LIMESTONE SHOULD BE ADDED PER ACRE AND 450 POUNDS OF 10-20-20 FERTILIZER SHALL BE APPLIED TO EACH ACRE. AFTER SEEDING, EACH AREA SHALL BE IMMEDIATELY MULCHED WITH STRAW OR EQUIVALENT EQUAL. AREAS OF THE SITE WHICH ARE TO BE PAVED SHALL BE TEMPORARILY STABILIZED BY APPLYING GEOTEXTILE AND STONE SUB-BASE UNTIL BITUMINOUS PAVEMENT CAN BE APPLIED.

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

STRUCTURAL PRACTICES:

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

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

WASTE DISPOSAL

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

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

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

OFF-SITE TRACKING

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

ITEMS REQUIRING POLLUTION PREVENTION

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

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

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

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

SPILL PREVENTION AND CONTROL

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

GOOD HOUSEKEEPING

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

-STORE ONLY ENOUGH MATERIAL ON SITE FOR PROJECT COMPLETION.

-ALL SUBSTANCES SHOULD BE USED BEFORE DISPOSAL OF CONTAINER.

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

-PRODUCTS SHALL NOT BE MIXED UNLESS DIRECTED BY THE MANUFACTURER.

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

HAZARDOUS PRODUCTS

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

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

PRODUCT SPECIFIC PRACTICES

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

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

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

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

SPILL CONTROL PRACTICES

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

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

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

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

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

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

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

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

MAINTENANCE AND INSPECTION PRACTICES

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

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

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

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

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

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

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

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

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

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

POLLUTION PREVENTION PLAN CERTIFICATION

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

SIGNED: _____ DATE: _____

BRIAN S. ASHBY, P.E.
FLORIDA REGISTRATION NUMBER: 80456
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.

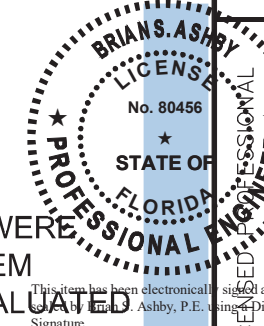
SIGNATURE AND DATE	NAME AND TITLE, COMPANY / ADDRESS AND TELEPHONE NUMBER	RESPONSIBILITY

CALL 48 HOURS
BEFORE YOU DIG

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DIAL 811

Know what's below.
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SUNSHINE STATE ONE CALL OF FLORIDA, INC.



Digitally signed by Brian S. Ashby, DN: cn=Brian S. Ashby, o=Kimley-Horn and Associates, Inc., ou=200 S ORANGE AVE, SUITE 600, ORLANDO, FL 32801, email=b.ashby@kimley-horn.com, c=US, Date: 2025.03.10 15:04:45 -0400

K-H PROJECT
249490000
DATE
03/10/2025
SCALE
AS SHOWN
DESIGNED BY
RMG
DRAWN BY
RMG
CHECKED BY
BSA
DATE
03/11/2025

SWPPP

CHANDLER OAKS

CITY OF APOPKA

FLORIDA

SHEET NUMBER

C2.0



1. BALES TO BE STAKED AT THE DIRECTION OF THE ENGINEER.
2. PUT FILTER FABRIC UNDER GRATE DURING CONSTRUCTION
3. DO NOT DEPLOY IN A MANNER THAT SILT FENCES WILL ACT AS A DAM ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE USED AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.

N.T.S



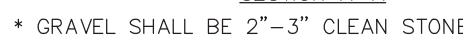
Wood 2" x 4"
Oak 1 1/2" x 1 1/2"
Steel 1.33 Lbs/F



NTS



- 1) CONTRACTOR TO MAINTAIN DEBRIS ON-SITE, VEHICLES SHALL BE FREE OF EXCESS DEBRIS PRIOR TO ENTERING COUNTY RIGHT-OF-WAYS.
- 2) DURING ALL TIME OF CONSTRUCTION, THE CONTRACTOR MUST PROVIDE FILTER FABRIC AT ALL EXISTING OR PROPOSED CATCH BASINS TO PREVENT SYSTEM POLLUTION.
- 3) CONTRACTOR SHALL PROVIDE TRUCK WASH RACKS TO REMOVE CONSTRUCTION DEBRIS FROM VEHICLES PRIOR TO EGRESS.
- 4) DURING ALL TIME OF CONSTRUCTION, THE CONTRACTOR MUST PROVIDE SILT SCREENS AT CONSTRUCTION PERIMETER
- 5) UPON COMPLETION OF CONSTRUCTION, SYSTEM IS TO BE CLEANED BY "CAMELVAC" OR OTHER APPROVED SYSTEM TO THE SATISFACTION OF THE PROJECT ENGINEER AND COUNTY ENGINEER WHEN OR AFTER THE OVERALL SYSTEM IS CLEANED.
- 6) THE CONTRACTOR SHALL MAINTAIN THE FULL SET OF PLANS INCLUDING THESE POLLUTION PREVENTION REQUIREMENTS ON-SITE AT ALL TIMES.



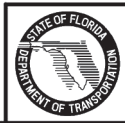
NTS



*OR 2" X 4" WIRE MESH

NTS

NOT TO SCALE



2010 FDOT Design Standards
**SOIL TRACKING PREVENTION DEVICE
 TYPE A**

Last Revision	Sheet No.
07/01/07	1 of 1
Index No.	
106	

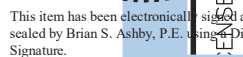
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No.	REVISIONS	DATE	BY
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200 S ORANGE AVE, SUITE 600, ORLANDO, FL 32801
PHONE: 407-898-1511
WWW.KIMLEY-HORN.COM REGISTRATION No. 35106



Digitally signed by Brian S Ashby
 DN: cn=Brian S Ashby,
 o=Qualifier-A01418600000180372500001AC
 o=KIMLEY-HORN AND ASSOCIATES, INC US
 Date: 2025.03.10 16:39:48 -0400

P.E.
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 DATE: 03/10/2025

CHECKED BY BSA

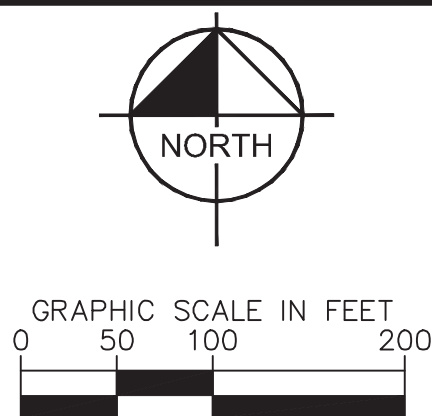
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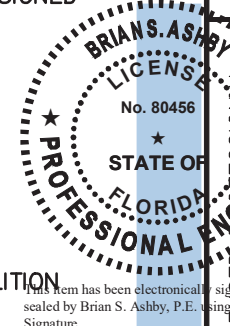
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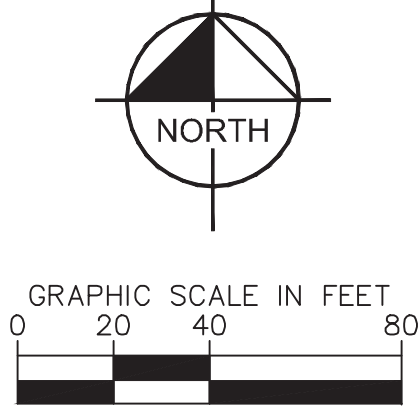
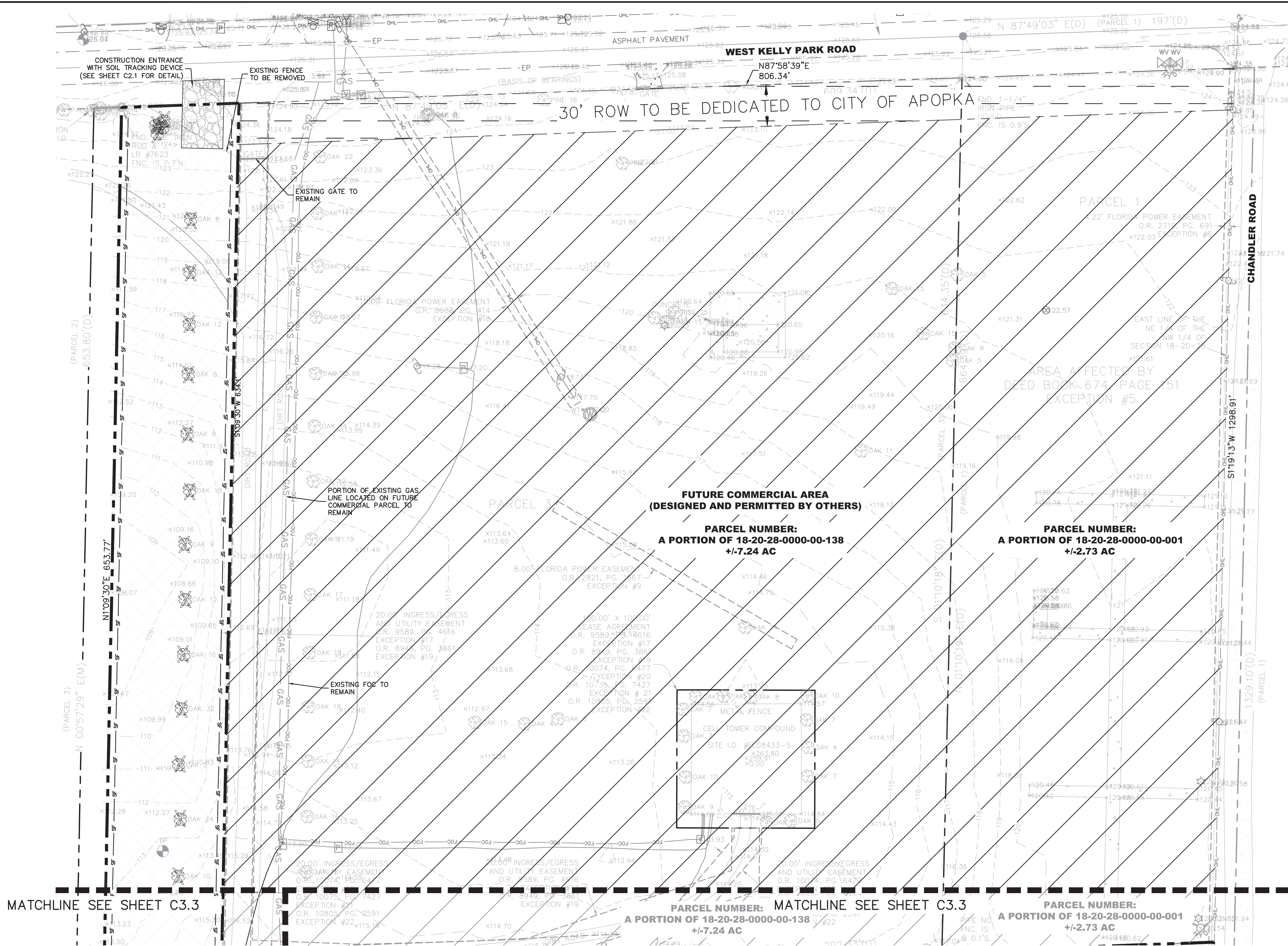
+++++	PROPOSED DEMO/REMOVAL
---	PROJECT BOUNDARY
---SF---	TYPE III SILT FENCE (SEE SHEET --- FOR DETAIL)
---	EXISTING CONTOURS
	TREE TO REMAIN. PROTECT IN PLACE
	TREE BE REMOVED
21.60	EXISTING SPOT ELEVATION
	AREA TO BE CLEARED AND GRUBBED. REFER TO THE LANDSCAPE PLAN FOR TREE REMOVAL AND PROTECTION
	RIGHT OF WAY TO BE DEDICATED TO CITY OF APOKKA
	FUTURE COMMERCIAL AREA (DESIGNED AND PERMITTED BY OTHERS)

1. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR DEMOLITION, REQUIREMENTS OF ELECTRICAL SYSTEMS.
2. CONTRACTOR SHALL UTILIZE BEST MANAGEMENT PRACTICES AS NEEDED, TO PREVENT SYSTEM POLLUTION, EROSION, AND MANAGEMENT OF OFF-SITE DRAINAGE DURING TIME OF CONSTRUCTION.
3. REFER TO SWPPP SHEET C2.0 FOR ADDITIONAL NOTES AND DETAILS.
4. INSTALL AND MAINTAIN SILT FENCE AT LIMITS OF CONSTRUCTION. WIRE MESH REINFORCED SILT FENCE SHALL BE USED AT ALL POINTS ALONG PROPERTY BOUNDARY WITH OFF-SITE STORMWATER FLOWS. SEE DETAIL SHEET C2.1.
5. PROVIDE SOIL TRACKING PREVENTION DEVICE AT ALL CONSTRUCTION ACCESS POINTS. SEE DETAIL SHEET C2.1.
6. UTILIZE PERFORATED SOIL DRAIN (OR EQUIVALENT) IN FRONT OF EXISTING/PROPOSED CURB INLETS ADJACENT TO CONSTRUCTION ACTIVITIES. SEE DETAIL SHEET C2.1.
7. INSTALL AND MAINTAIN FILTER FABRIC UNDER GRATES OF EXISTING/PROPOSED INLETS. SEE SHEET C2.1.
8. CONTRACTOR TO ENSURE ADEQUATE COVER REMAINS OVER ALL EXISTING UTILITIES.
9. CONTRACTOR TO VERIFY EXISTING COVER OVER ALL UTILITIES BEFORE START OF CONSTRUCTION AND TO COORDINATE WITH THE ENGINEER OF RECORD PRIOR TO START OF CONSTRUCTION IF DESIGN DOES NOT PROVIDE 36" COVER.
10. ELEVATIONS SHOWN REFERENCE NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).
11. ANY EXISTING WELLS (I.E., ARTESIAN, IRRIGATION, DRINKING, MONITORING, ETC.) DISCOVERED ON-SITE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL APPLICABLE JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMIT REQUIRED. ANY WELL DISCOVERED DURING FATHWORK OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES, OWNER, AND OWNER'S ENGINEER WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
12. THERE MAY BE ON-SITE UNDERGROUND UTILITIES (INCLUDING BUT NOT LIMITED TO IRRIGATION, SANITARY SEWER, POTABLE WATER LINES, GAS LINES, CABLE, ELECTRIC, TELEPHONE AND CABLE LINES) THAT WERE NOT LOCATED OR IDENTIFIED BY THE PROJECT SURVEYOR. PRIOR TO CONSTRUCTION START, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ON-SITE UTILITIES AND RIGHT-OF-WAY UTILITIES.
13. IF EXISTING UTILITIES ARE DISCOVERED THAT ARE NOT IDENTIFIED BY THE CONSTRUCTION DOCUMENTS, AND WILL BE IMPACTED BY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY PRIOR TO PROCEEDING WITH CONSTRUCTION.
14. CONTRACTOR TO MAINTAIN EXISTING OFF-SITE AND ONSITE DRAINAGE PATTERNS THROUGHOUT CONSTRUCTION.
15. ALL EXISTING ONSITE EASEMENTS (I.E., UTILITY, ACCESS, ETC.) TO BE VACATED PRIOR TO CONSTRUCTION.
16. SEE SHEET C4.7 FOR WEST KELLY PARK ROAD EXISTING CONDITION AND DEMOLITION PLAN.



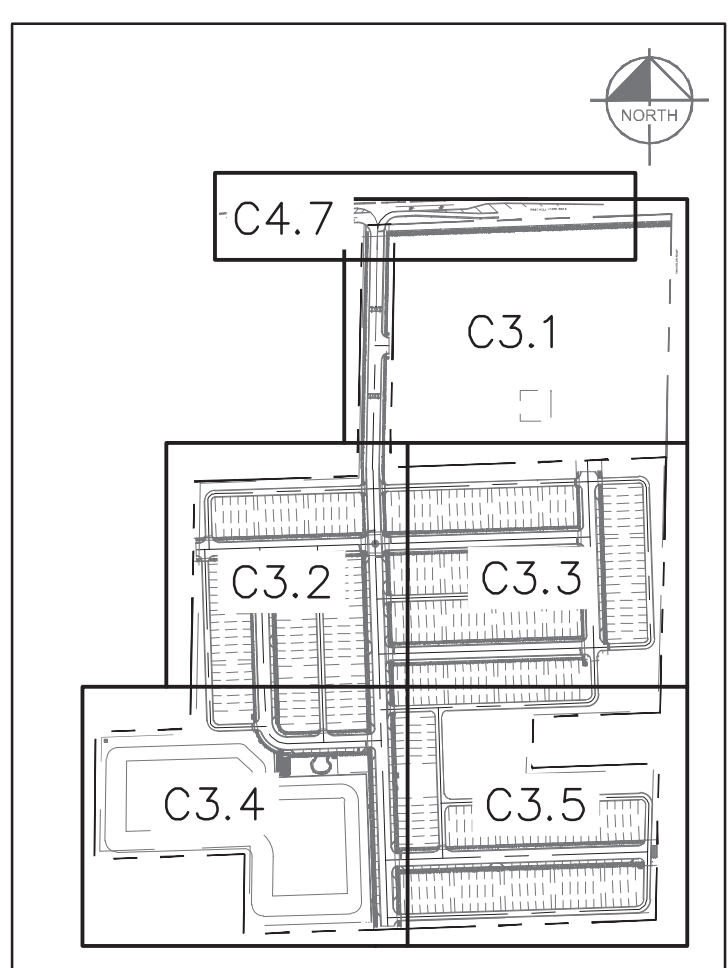
Kimley»»Horn
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200 S ORANGE AVE, SUITE 600, ORLANDO, FL 32801
PHONE: 407-898-1511
WWW.KIMLEY-HORN.COM REGISTRATION No. 35106

[illegible]



- LEGEND**
- PROPOSED DEMO/REMOVAL
 - PROJECT BOUNDARY
 - SF --- SF --- TYPE III SILT FENCE (SEE SHEET --- FOR DETAIL)
 - EXISTING CONTOURS
 - TREE TO REMAIN. PROTECT IN PLACE
 - ✕ TREE BE REMOVED
 - 21.60 EXISTING SPOT ELEVATION
 - AREA TO BE CLEARED AND GRUBBED. REFER TO THE LANDSCAPE PLAN FOR TREE REMOVAL AND PROTECTION
 - RIGH OF WAY TO BE DEDICATED TO CITY OF APOPKA
 - FUTURE COMMERCIAL AREA (DESIGNED AND PERMITTED BY OTHERS)

NOTE:
1. SEE SHEET C4.7 FOR WEST KELLY PARK ROAD OFFSITE CONDITIONS AND DEMOLITION NOTES.



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MAN

DATE

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DESIGNED BY

DRAWN BY

CHECKED BY

EXISTING CONDITIONS AND DEMOLITION PLAN

CHANDLER OAKS

CITY OF APOPKA

FLORIDA

SHEET NUMBER

C3.1

REVISIONS

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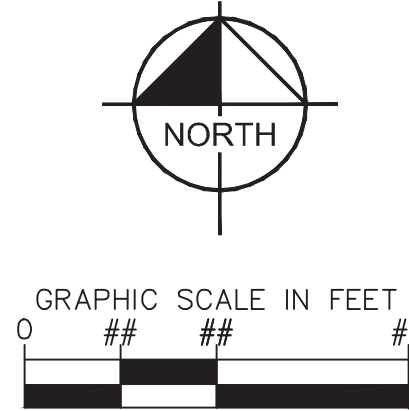
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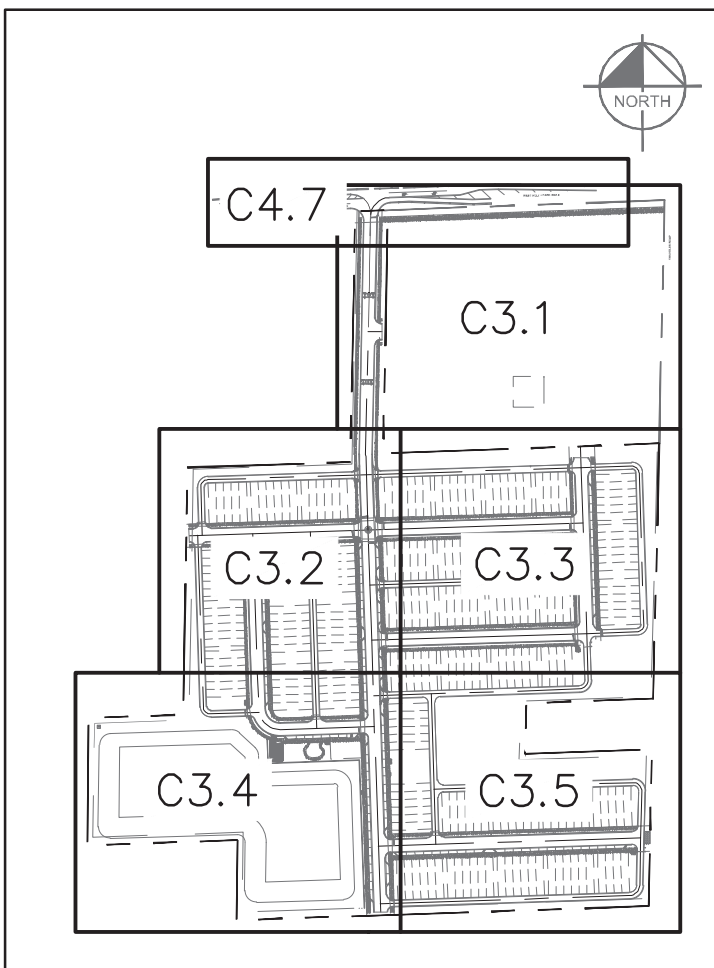
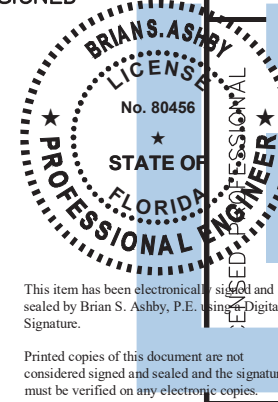
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	PROPOSED DEMO/REMOVAL
	PROJECT BOUNDARY
	TYPE III SILT FENCE (SEE SHEET --- FOR DETAIL)
	EXISTING CONTOURS
	TREE TO REMAIN. PROTECT IN PLACE
	TREE BE REMOVED
	EXISTING SPOT ELEVATION

- | | |
|---|---|
|  | AREA TO BE CLEARED AND GRUBBED.
REFER TO THE LANDSCAPE PLAN FOR
TREE REMOVAL AND PROTECTION |
|  | RIGH OF WAY TO BE DEDICATED
TO CITY OF APOPKA |
|  | FUTURE COMMERCIAL AREA (DESIGNED
AND PERMITTED BY OTHERS) |



KEY MAP
SCALE: 1" = 500'

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BEFORE YOU DIG

IT'S THE LAW
DIAL 811

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EXISTING CONDITIONS AND DEMOLITION PLAN

CHANDLER OAKS

FLORIDA

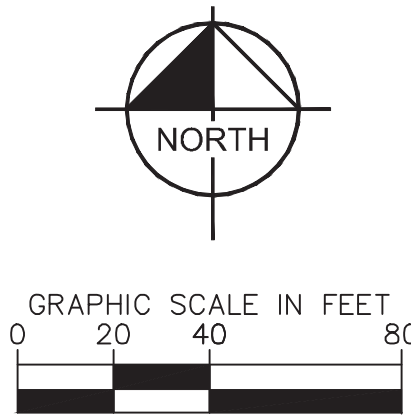
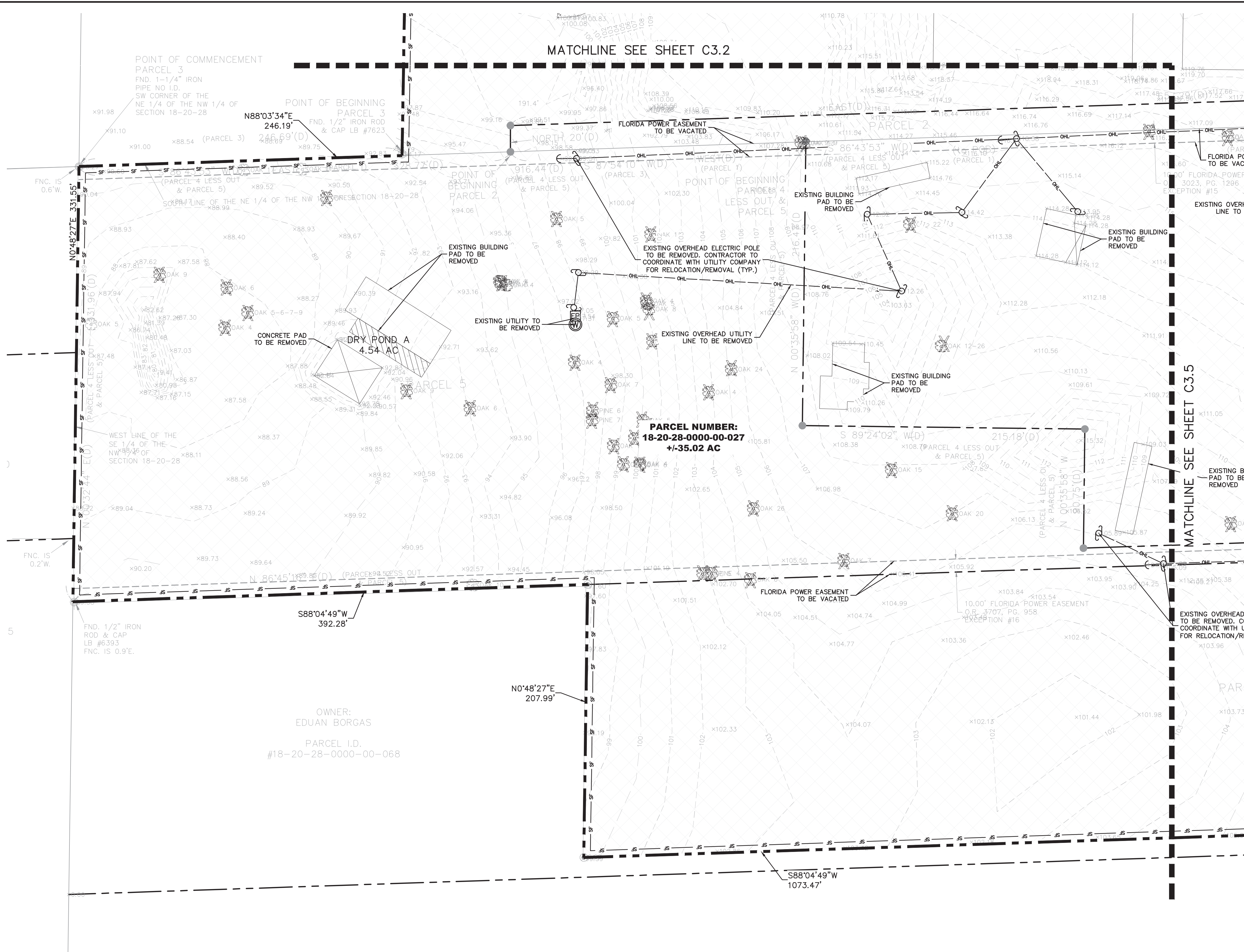
CITY OF APOPKA

SHEET NUMBER
C3.3

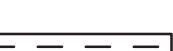
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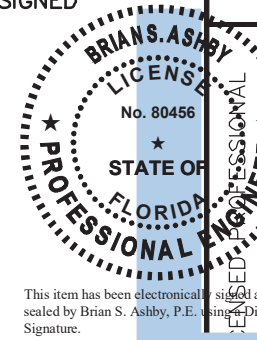
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LEGEND

- | | |
|---|---|
| +++++ | PROPOSED DEMO/REMOVAL |
| — — — — — | PROJECT BOUNDARY |
| — SF — SF — | TYPE III SILT FENCE
(SEE SHEET ---- FOR DETAIL) |
| --- | EXISTING CONTOURS |
|  | TREE TO REMAIN. PROTECT
IN PLACE |
|  | TREE BE REMOVED |
| 21.60 | EXISTING SPOT ELEVATION |
|  | AREA TO BE CLEARED AND GRUBBED.
REFER TO THE LANDSCAPE PLAN FOR
TREE REMOVAL AND PROTECTION |
|  | RIGHT OF WAY TO BE DEDICATED
TO CITY OF APOKA |
|  | FUTURE COMMERCIAL AREA (DESIGNED
AND PERMITTED BY OTHERS) |



Digitally signed by Brian S Ashby
DN: CN=Brian S Ashby,
o=KIMLEY-HORN AND ASSOCIATES, C=US
Date: 2025.03.10 13:39:53-0400

[illegible]

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1803
SOCIA
WFO

K-H PROJECT	DATE
249490000	03/10/2025
SCALE	AS SHOWN
DESIGNED BY	RMG
DRAWN BY	RMG
CHECKED BY	BSA

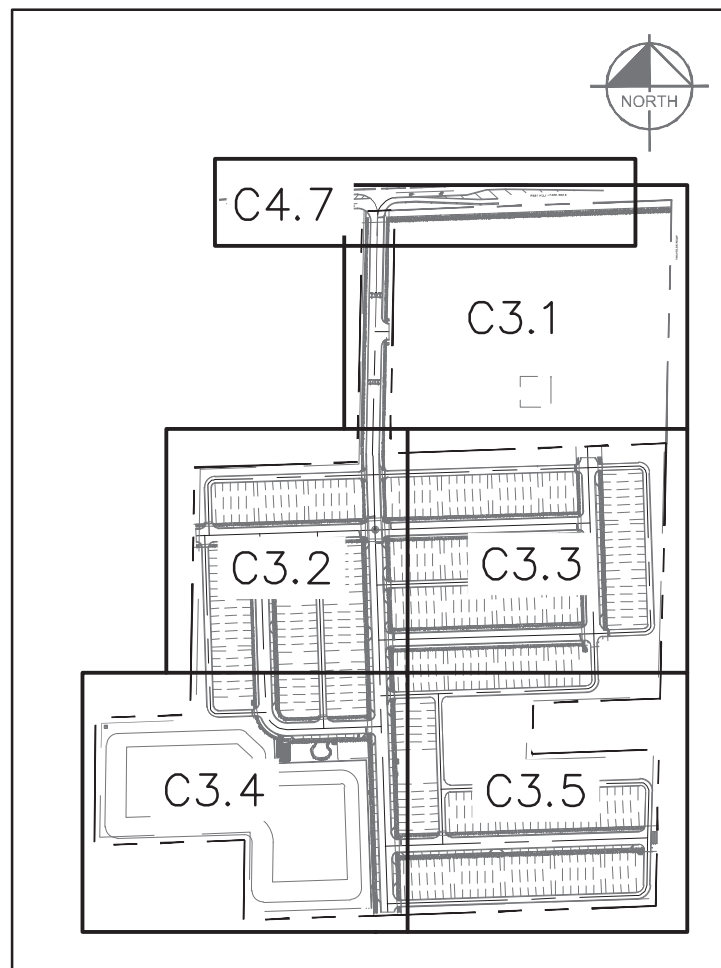
EXISTING CONDITIONS AND DEMOLITION PLAN

CHANDLER OAKS

FLORIDA

CITY OF APOPKA

SHEET NUMBER
C3.4



KEY MAP
SCALE: 1" = 500'

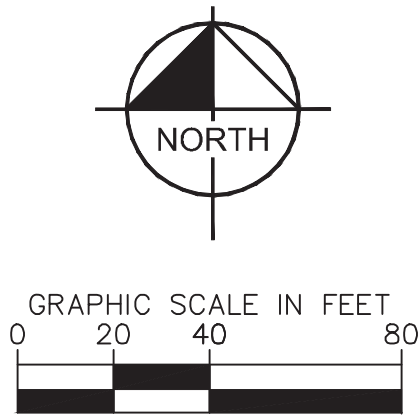
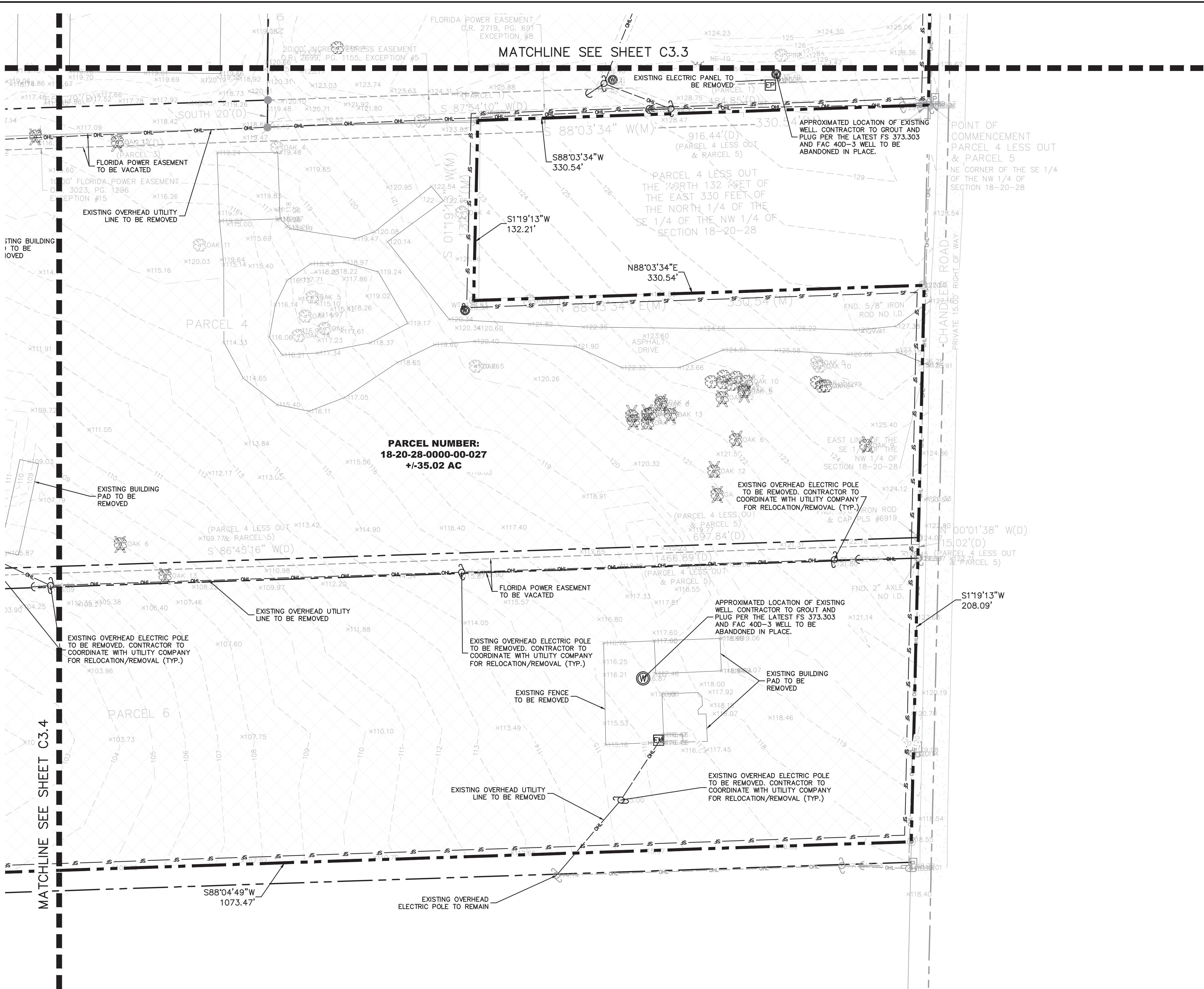
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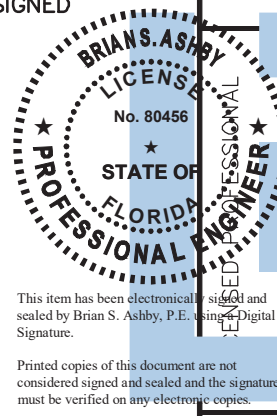
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LEGEND

- PROPOSED DEMO/REMOVAL
- PROJECT BOUNDARY
- SF --- SF --- TYPE III SILT FENCE (SEE SHEET --- FOR DETAIL)
- EXISTING CONTOURS
- TREE TO REMAIN. PROTECT IN PLACE
- TREE BE REMOVED
- 21.60 EXISTING SPOT ELEVATION
- AREA TO BE CLEARED AND GRUBBED. REFER TO THE LANDSCAPE PLAN FOR TREE REMOVAL AND PROTECTION
- RIGHT OF WAY TO BE DEDICATED TO CITY OF APOPKA
- FUTURE COMMERCIAL AREA (DESIGNED AND PERMITTED BY OTHERS)



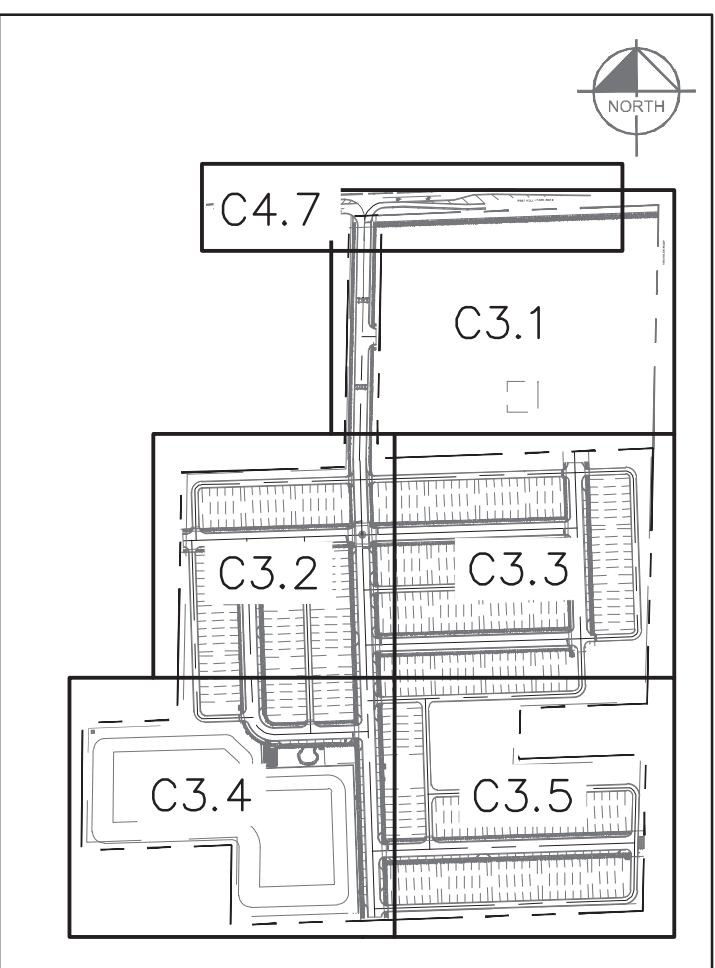
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EXISTING
CONDITIONS AND
DEMOLITION PLAN

CHANDLER OAKS

CITY OF APOPKA FLORIDA

SHEET NUMBER
C3.5

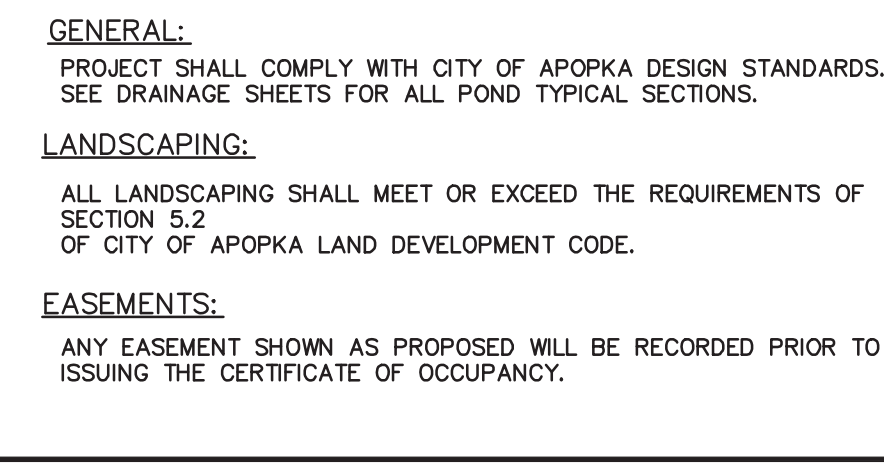


KEY MAP
SCALE: 1" = 500'

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UTILITY NOTES:

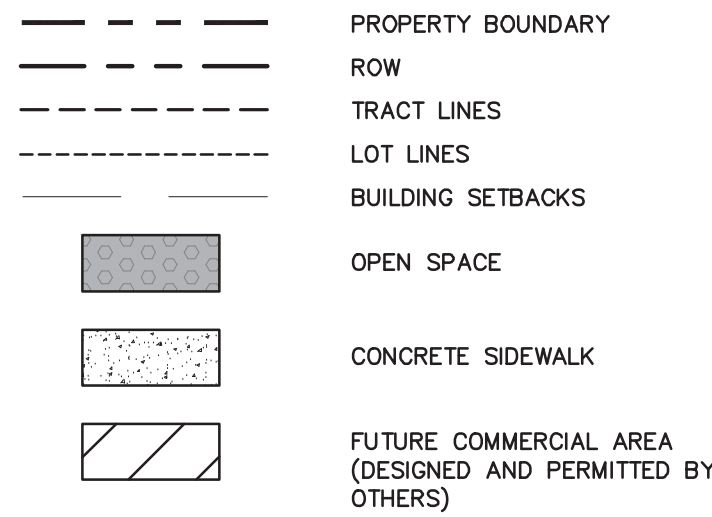
1. THE DEVELOPER SHALL OBTAIN WATER, REUSE WATER AND WASTEWATER SERVICE FROM CITY OF APOPKA.
2. DURING CONSTRUCTION, WHEN COMBUSTIBLES ARE BROUGHT ON TO THE SITE, ACCESS ROADS AND A SUITABLE TEMPORARY OR PERMANENT SUPPLY OF WATER ACCEPTABLE TO THE FIRE DEPARTMENT SHALL BE PROVIDED AND MAINTAINED PER NFPA 1 AND 101 (2018 EDITION), FPFC 7TH EDITION.

FIRE PROTECTION:

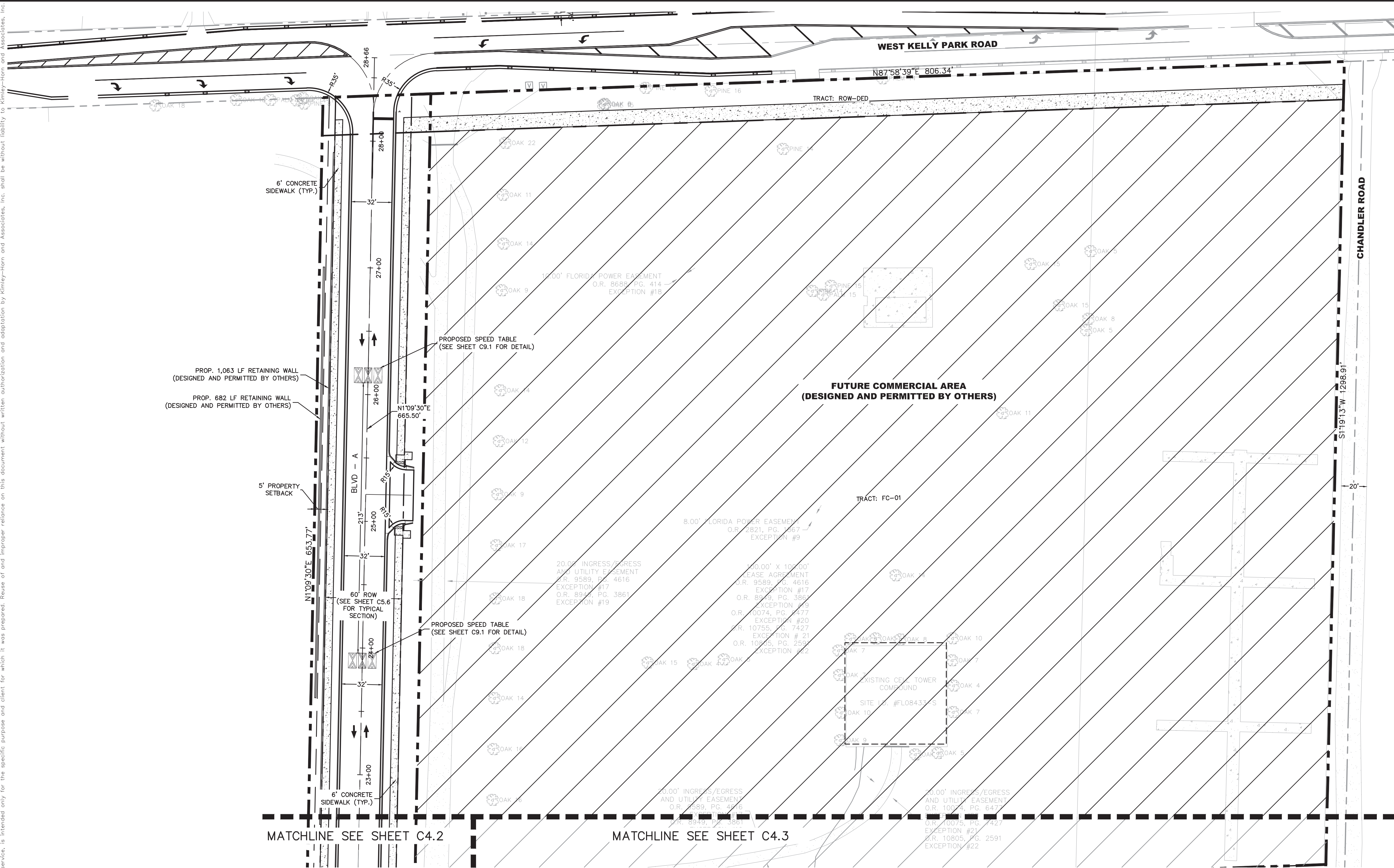
FIRE DEPARTMENT ACCESS AND WATER SUPPLY SHALL COMPLY WITH NFPA 1 AND 101 (2018 EDITION) AND FLORIDA FIRE PROTECTION CODE (FPFC) 7TH EDITION.

TRACT	DESCRIPTION	AREA (AC)	AREA (SF)	OWNER
A-01	ALLEY TRACT	0.21	9,141 SF	H.O.A.
A-02	ALLEY TRACT	0.22	9,765 SF	H.O.A.
A-03	ALLEY TRACT	0.19	8,136 SF	H.O.A.
A-04	ALLEY TRACT	0.20	8,892 SF	H.O.A.
A-05	ALLEY TRACT	0.50	21,774 SF	H.O.A.
A-06	ALLEY TRACT	0.31	13,377 SF	H.O.A.
A-07	ALLEY TRACT	0.64	28,045 SF	H.O.A.
FC-01	FUTURE COMMERCIAL	9.97	434,281 SF	KELLY PARK ROAD PROPERTY LLC
LS-01	LIFT STATION TRACT	0.04	1,816 SF	H.O.A.
OS-01	OPEN SPACE / LANDSCAPE	0.48	20,750 SF	H.O.A.
OS-02	OPEN SPACE / LANDSCAPE	0.02	1,029 SF	H.O.A.
OS-03	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-04	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-05	OPEN SPACE / LANDSCAPE	0.05	2,206 SF	H.O.A.
OS-06	OPEN SPACE / LANDSCAPE	0.04	1,680 SF	H.O.A.
OS-07	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-08	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-09	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-10	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-11	OPEN SPACE / LANDSCAPE	0.02	1,029 SF	H.O.A.
OS-12	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-13	OPEN SPACE / LANDSCAPE	0.05	2,310 SF	H.O.A.
OS-14	OPEN SPACE / LANDSCAPE	0.03	1,134 SF	H.O.A.
OS-15	OPEN SPACE / LANDSCAPE	0.02	1,050 SF	H.O.A.
OS-16	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-17	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-18	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-19	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-20	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-21	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-22	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-23	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-24	OPEN SPACE / LANDSCAPE	0.02	1,050 SF	H.O.A.
OS-25	OPEN SPACE / LANDSCAPE	0.02	1,050 SF	H.O.A.
OS-26	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-27	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-28	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-29	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-30	OPEN SPACE / LANDSCAPE	0.03	1,428 SF	H.O.A.
OS-31	OPEN SPACE / LANDSCAPE	0.22	9,366 SF	H.O.A.

TRACT	DESCRIPTION	AREA (AC)	AREA (SF)	OWNER
OS-32	OPEN SPACE / LANDSCAPE	0.02	1,050 SF	H.O.A.
OS-33	OPEN SPACE / LANDSCAPE	0.02	1,009 SF	H.O.A.
OS-34	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-35	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-36	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-37	OPEN SPACE / LANDSCAPE	0.04	1,784 SF	H.O.A.
OS-38	OPEN SPACE / LANDSCAPE	0.05	2,025 SF	H.O.A.
OS-39	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-40	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-41	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-42	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-43	OPEN SPACE / LANDSCAPE	0.02	1,050 SF	H.O.A.
OS-44	OPEN SPACE / LANDSCAPE	0.05	2,100 SF	H.O.A.
OS-45	OPEN SPACE / LANDSCAPE	0.07	3,255 SF	H.O.A.
OS-46	OPEN SPACE / LANDSCAPE	0.07	3,255 SF	H.O.A.
OS-47	OPEN SPACE / LANDSCAPE	0.02	1,050 SF	H.O.A.
OS-48	OPEN SPACE / LANDSCAPE	0.02	1,050 SF	H.O.A.
OS-49	OPEN SPACE / LANDSCAPE	0.07	3,255 SF	H.O.A.
OS-50	OPEN SPACE / LANDSCAPE	0.07	3,255 SF	H.O.A.
OS-51	OPEN SPACE / LANDSCAPE	0.05	2,014 SF	H.O.A.
OS-52	OPEN SPACE / LANDSCAPE	0.08	3,654 SF	H.O.A.
OS-53	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-54	OPEN SPACE / LANDSCAPE	0.03	1,155 SF	H.O.A.
OS-55	OPEN SPACE / LANDSCAPE	0.02	1,050 SF	H.O.A.
OS-56	OPEN SPACE / LANDSCAPE	3.79	164,917 SF	H.O.A.
OS-57	OPEN SPACE / LANDSCAPE	2.16	94,083 SF	H.O.A.
OS-58	OPEN SPACE / LANDSCAPE	0.36	15,587 SF	H.O.A.
REC-01	AMENITY CENTER	0.08	3,600 SF	H.O.A.
ROW=DED	R.O.W. DEDICATION	0.56	24,189 SF	CITY OF APOPKA
SW-01	STORMWATER / LANDSCAPE	4.54	197,653 SF	H.O.A.



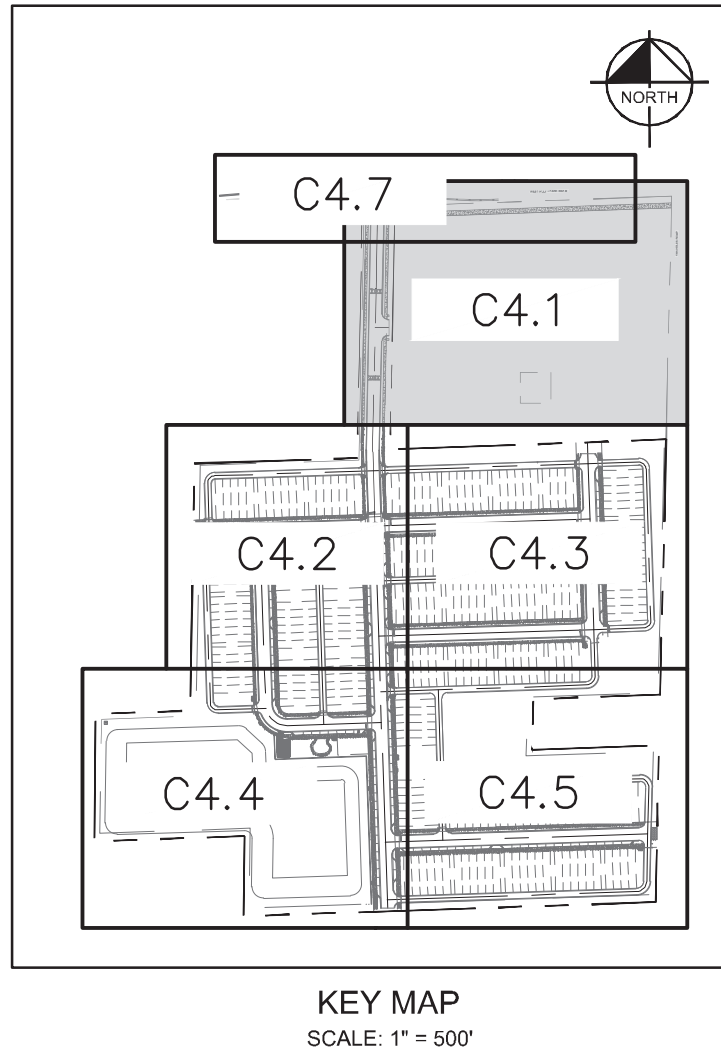
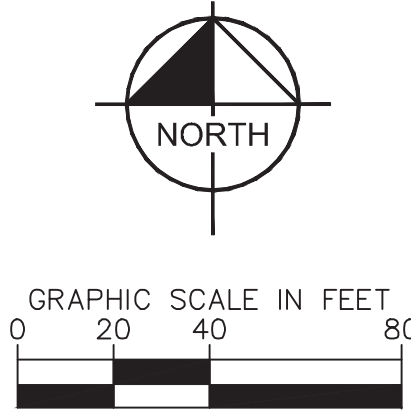
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LEGEND

- PROPERTY BOUNDARY
- ROW
- LOT LINES
- TRACT LINES
- BUILDING SETBACKS
- CONCRETE SIDEWALK
- FUTURE COMMERCIAL AREA (DESIGNED AND PERMITTED BY OTHERS)

- NOTES:**
- SEE SHEET C4.7 FOR KELLY PARK ROAD OFFSITE ROADWAY IMPROVEMENTS NOTES AND DETAILS.

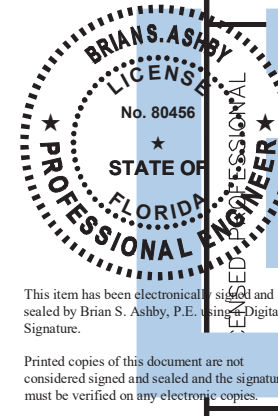


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NO.	REVISIONS	DATE	BY

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Digitally signed by Brian S. Ashby, DN: cn=Brian S. Ashby, o=Kimley-Horn and Associates, Inc., ou=Engineering, email=bashby@kimley-horn.com, c=US, Date: 2025.03.10 15:06:00 -0400

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PROFESSIONAL ENGINEER
STATE OF FLORIDA
LICENSE NO. 80496
EXPIRATION DATE 03/10/2025

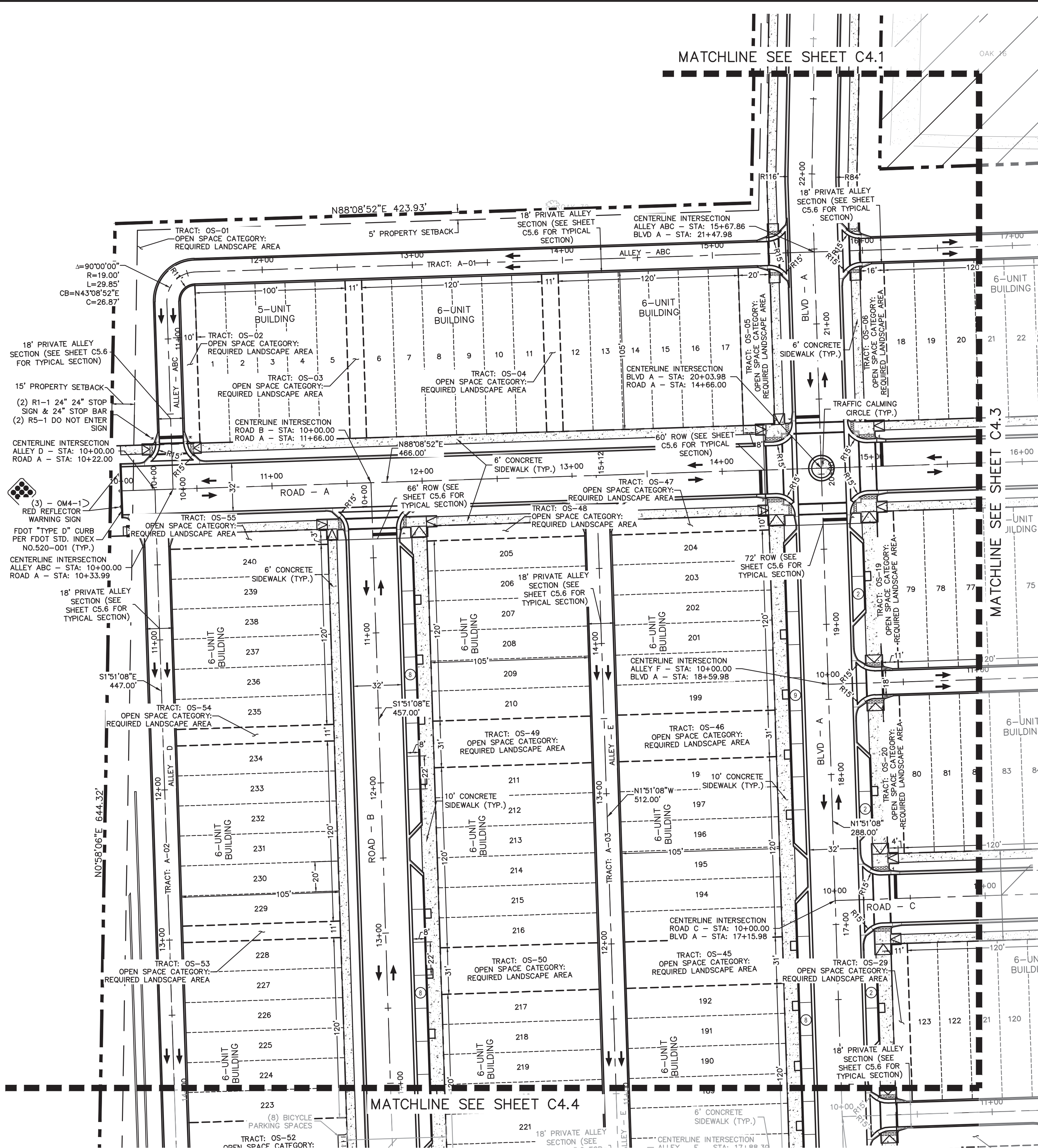
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DATE	03/10/2025
SCALE	AS SHOWN
DESIGNED BY	RMG
DRAWN BY	RMG
CHECKED BY	BSA

SITE PLAN

CHANDLER OAKS

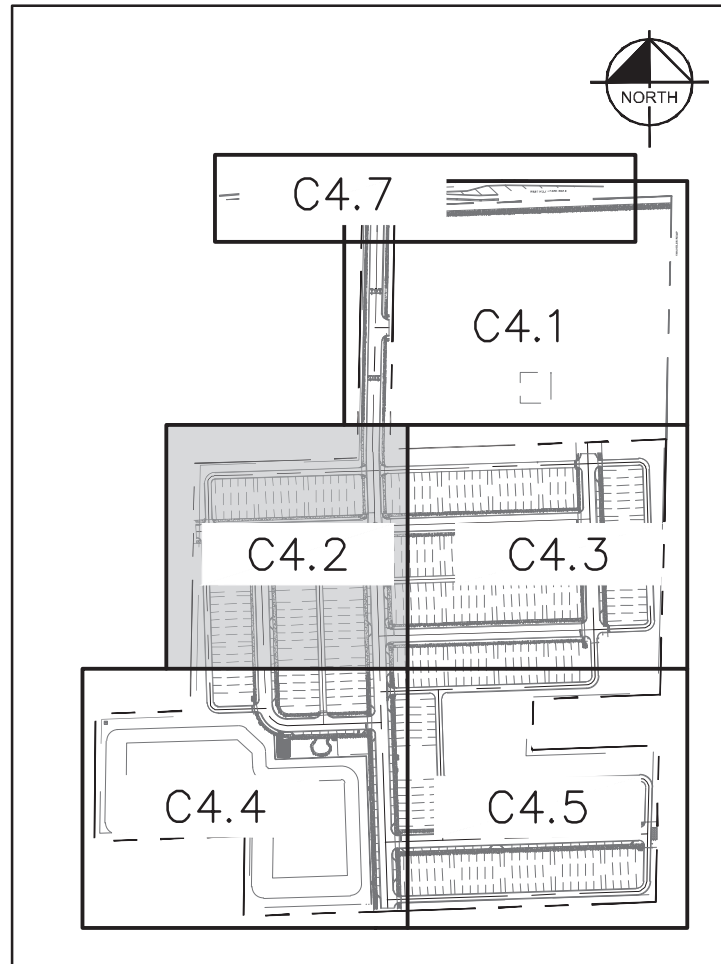
CITY OF APOPKA FLORIDA

SHEET NUMBER
C4.1

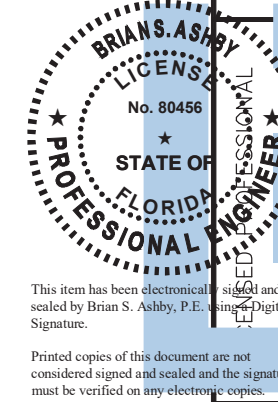


LEGEND

- PROPERTY BOUNDARY
- ROW
- LOT LINES
- TRACT LINES
- BUILDING SETBACKS
- CONCRETE SIDEWALK
- FUTURE COMMERCIAL AREA (DESIGNED AND PERMITTED BY OTHERS)



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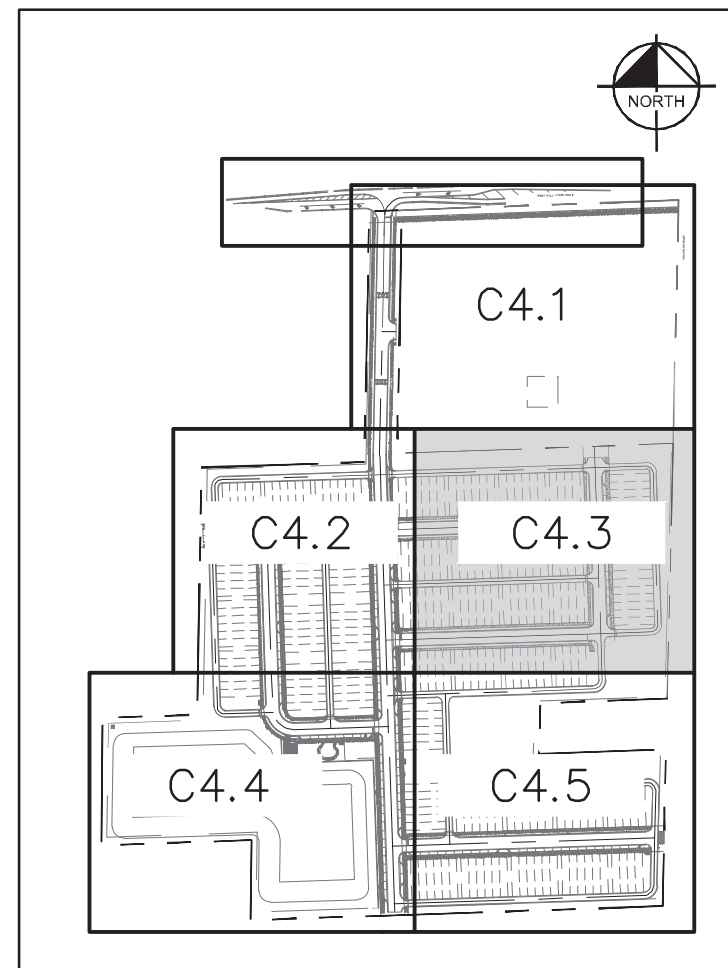
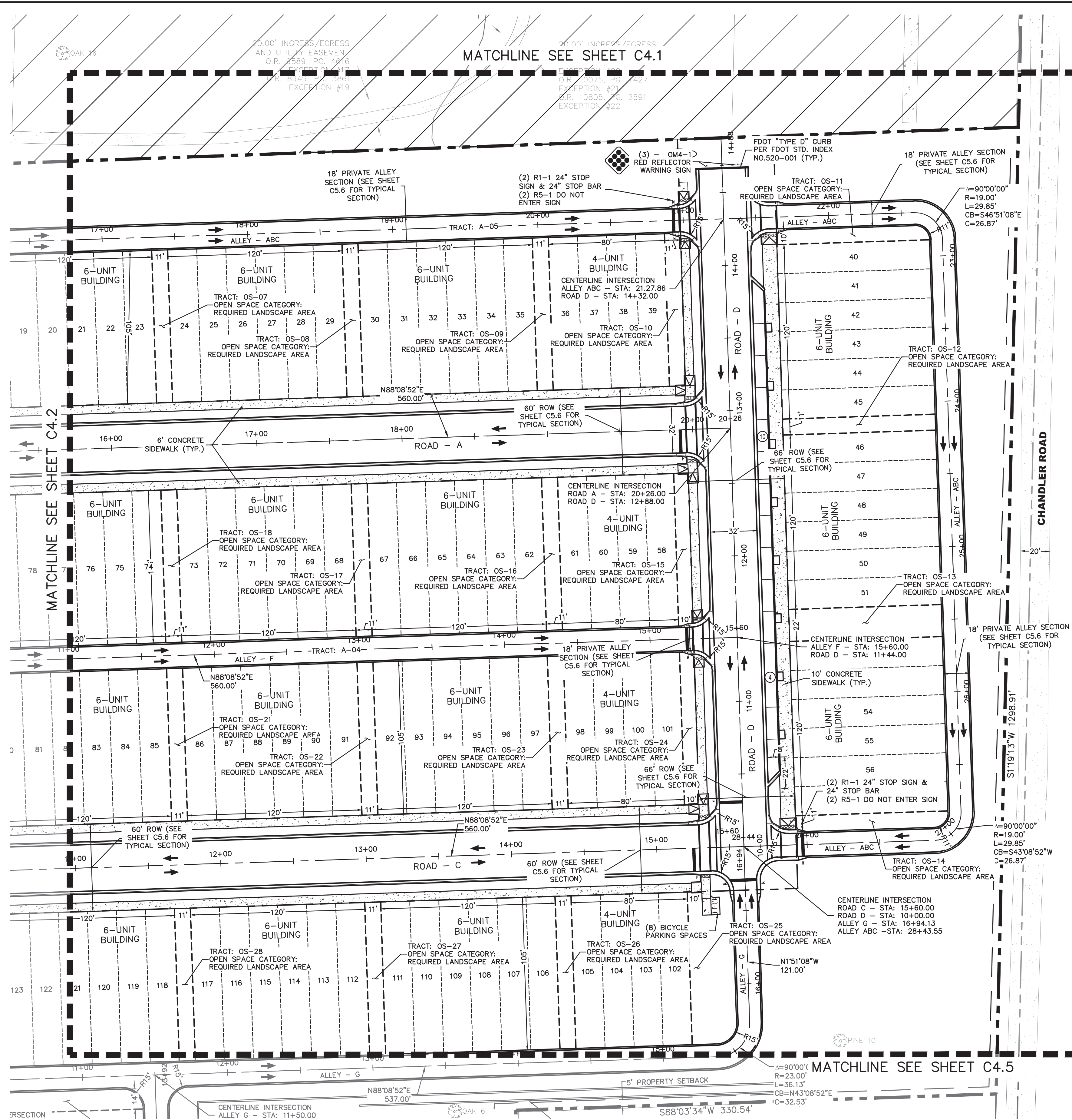
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K-H PROJECT	249490000
DATE	03/10/2025
SCALE	AS SHOWN
DESIGNED BY	RMG
DRAWN BY	RMG
CHECKED BY	BSA

SITE PLAN
CHANDLER OAKS

SHEET NUMBER
C4.2

DATE	BY
REVISIONS	No.
CITY OF APOPKA	FLORIDA



KEY MAP
SCALE: 1" = 500'

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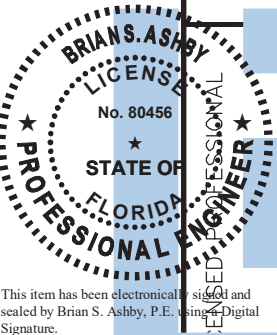
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SITE PLAN

CHANDLER OAKS

FLORIDA

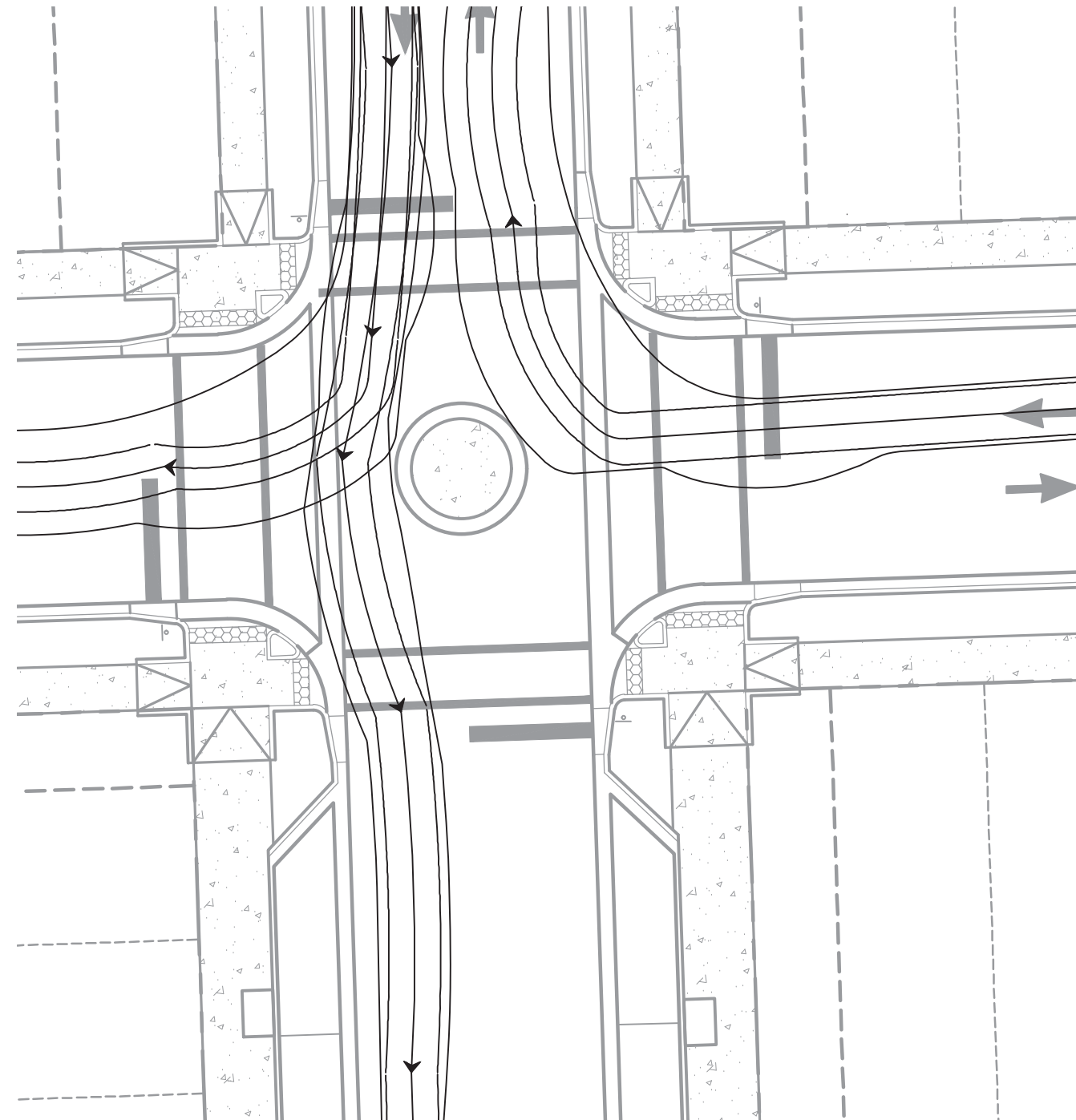
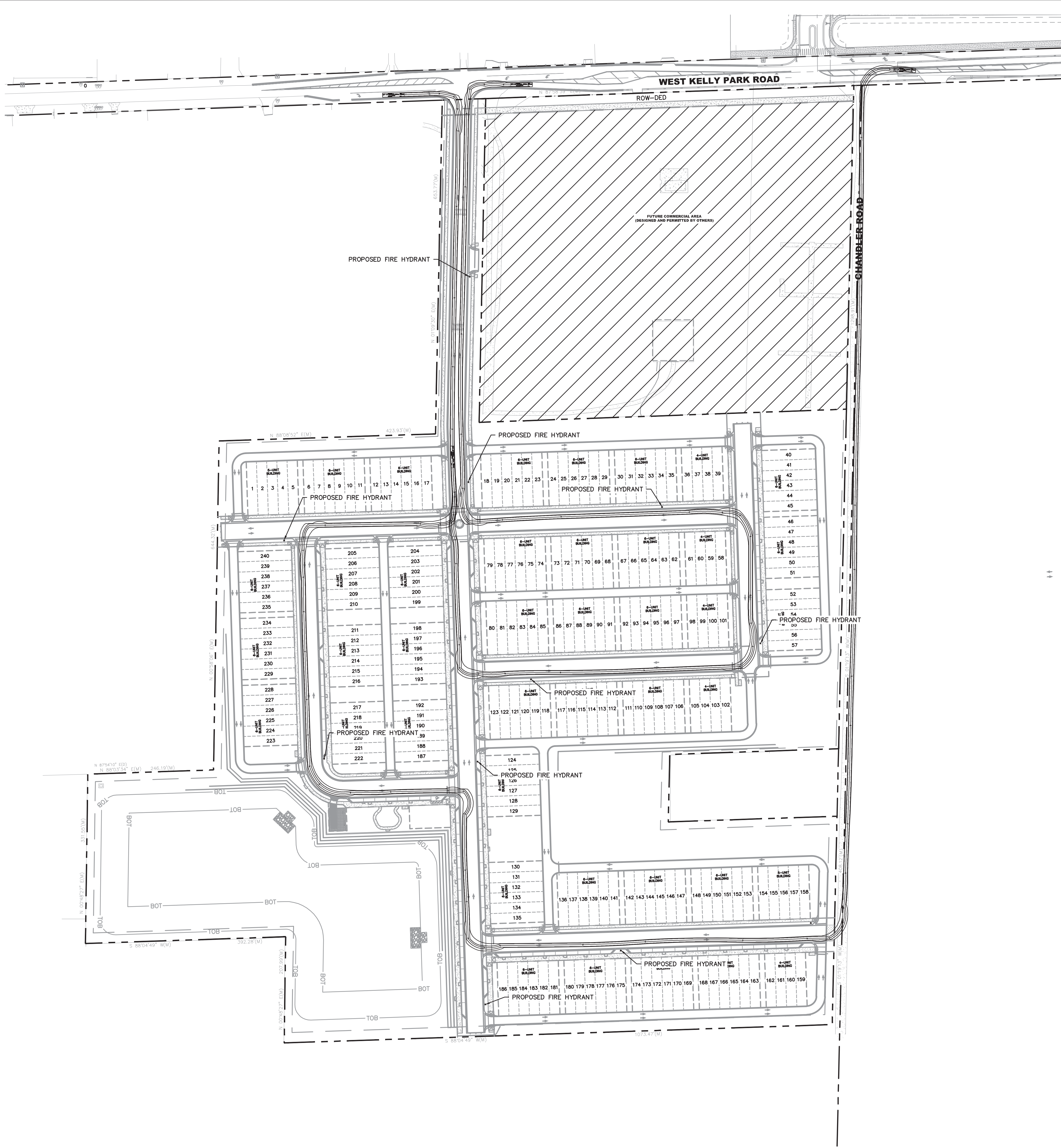
CITY OF APOKA

SHEET NUMBER

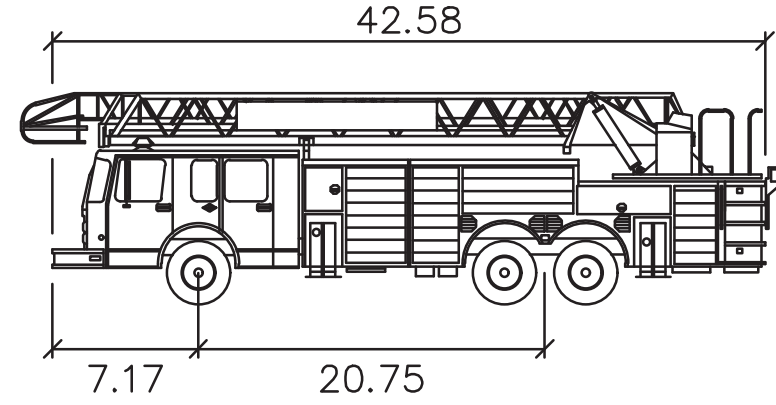
C4.3

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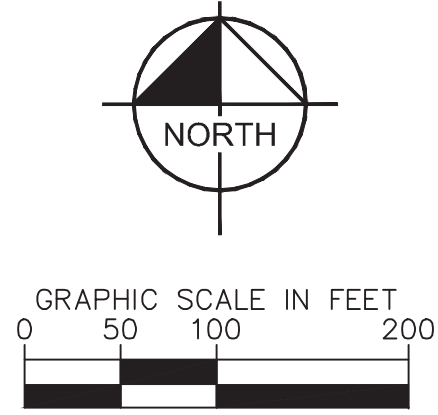


TYPICAL TRAFFIC CALMING CIRCLE DETAIL
SCALE: 1" = 20'



CITY OF APOPKA AERIAL TRUCK

	feet
Width	: 8.00
Track	: 6.72
Lock to Lock Time	: 6.0
Steering Angle	: 41.7

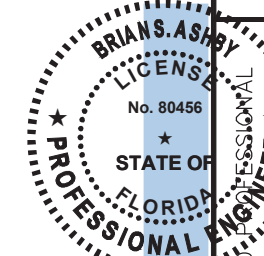


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DIAL 811



SUNSHINE STATE ONE CALL OF FLORIDA, INC.



This seal has been electronically signed and sealed by Brian S. Ashby, P.E., and the signature must be verified on any electronic copies.

Digitally signed by Brian S. Ashby, DN: cn=Brian S. Ashby, o=Kimley-Horn and Associates, Inc., ou=Chandler Oaks, email=brian.ashby@kimley-horn.com, c=US, Date: 2025.03.10 15:23:00 -0500

FIRE TRUCK
ROUTING ANALYSIS

CHANDLER OAKS

SHEET NUMBER
C4.6

CITY OF APOPKA

FLORIDA

K-H PROJECT	249490000
DATE	03/10/2025
SCALE	AS SHOWN
DESIGNED BY	RMG
DRAWN BY	RMG
CHECKED BY	BSA

DATE: 03/11/2025

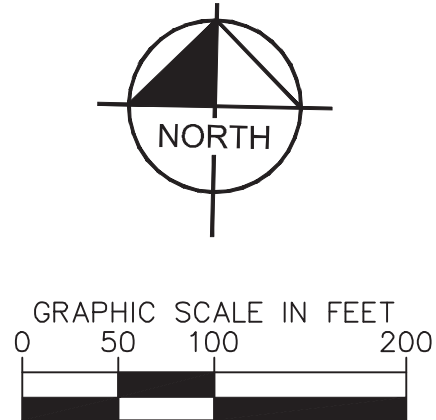
Kimley»Horn

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200 S ORANGE AVE, SUITE 600, ORLANDO, FL 32801
PHONE: 407-898-1511
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REGISTRATION No. 35106

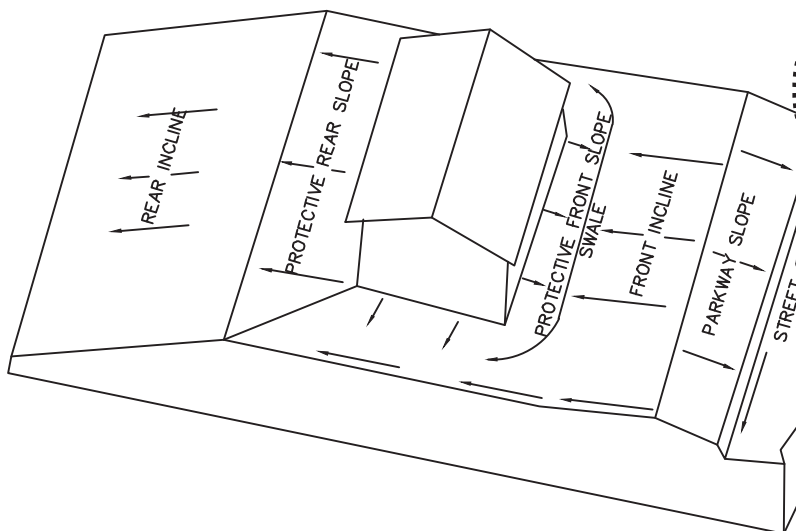
REVISIONS

No. DATE BY

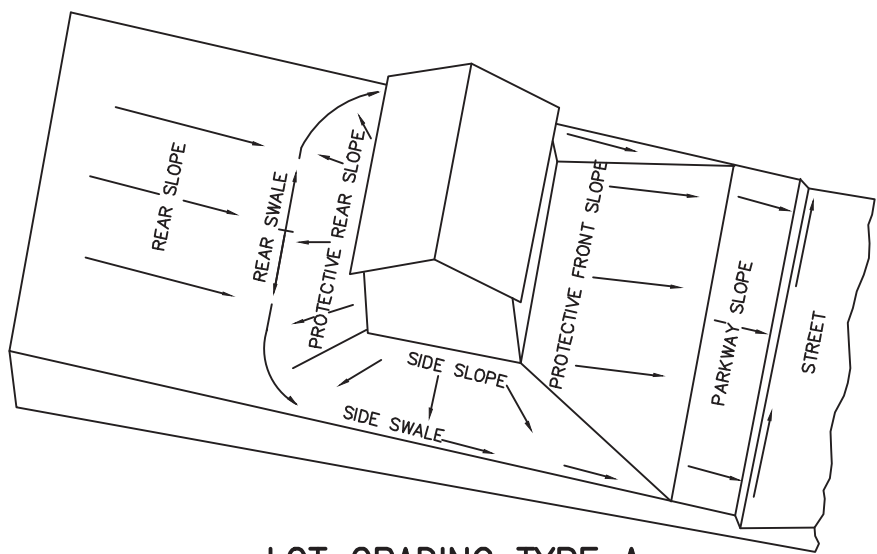


	PROPERTY BOUNDARY
	LOT BOUNDARY
	PROPOSED STORM STRUCTURES
	EXISTING GRADES
	PROPOSED GRADES
	PROPOSED STORM PIPES

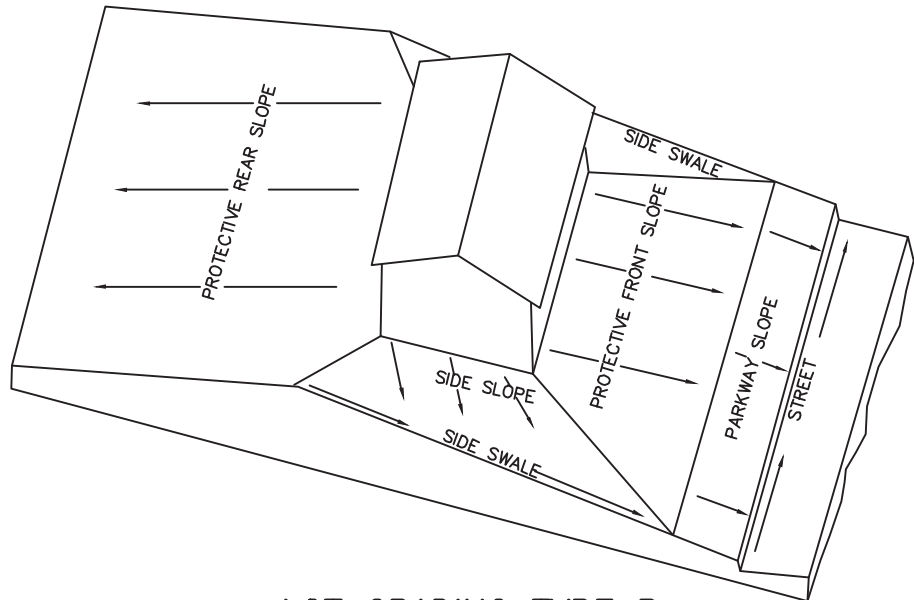
1. ALL PIPE LENGTHS SHOWN HEREON ARE APPROXIMATE AND ARE TAKEN FROM THE APPROXIMATE CENTER OF GRADE TO THE CENTER OF GRADE TO THE OUTFALL END OF THE MITERED END SECTION (SEE DETAIL). MITERED END SECTIONS PLACED IN PONDS SHALL BE LOCATED TO MATCH POND SIDE SLOPE AND PIPE LENGTH MAY NEED BE ADJUSTED.
2. SIDEWALK CONSTRUCTION TO MEET ADA REQUIREMENTS.
- 2.1. RAMPS MAXIMUM SLOPE 1:12. (1:15 PREFERRED).
- 2.2. SIDEWALK / CROSSWALK MAXIMUM CROSS SLOPE 2% (1.5% PREFERRED).
- 2.3. SIDEWALK / CROSSWALK MAXIMUM RUNNING SLOPE 1:20. (1:22 PREFERRED).
3. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE CITY FOR ALL / ANY REQUIRED INSPECTIONS FOR WORK WITHIN A PUBLIC RIGHT-OF-WAY.
4. SEE SHEET C1.0 AND C1.1 FOR GENERAL NOTES.
5. SEE SHEET C5.6 FOR SECTIONS.
6. CONTRACTOR SHALL NOT SCALE PLAN BUT REFER TO THE PLAT FOR ALL HORIZONTAL LINE DIMENSIONS.
7. ALL SLOPES 4:1 OR LESS TO BE SODDED. SLOPES 3:1 TO 4:1, SOD TO BE STAKED.
8. CONTRACTOR TO MATCH EXISTING GRADE AROUND TREES TO BE PRESERVED
9. RETAINING WALLS ARE TO BE MAINTAINED BY THE H.O.A.
10. BUILDER TO SET FINISH GARAGE ELEVATION TO LIMIT DRIVEWAY SLOPES TO 8% MAX.



LOT GRADING TYPE C
ALL DRAINAGE TO REAR LOT LINE



LOT GRADING TYPE A
ALL DRAINAGE TO STREET



LOT GRADING TYPE B
DRAINAGE BOTH TO STREET AND REAR LOT LINE

SUNSHINE STATE ONE CALL OF FLORIDA, INC.*



OVERALL PAVING, GRADING & DRAINAGE PLAN

CHANDLER OAKS

CITY OF APOKA

SHEET NUMBER
C5.0

Kimley»Horn

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PHONE: 407-898-1511
WWW.KIMLEY-HORN.COM REGISTRATION No. 35106

WWW.KIMLEY-HORN.COM REGISTRATION No. 35106

ENGINEER

ORIDA L... NUMBER
ned by Brian S Ashby
rian S Ashby,
-A014100000018838
-HORN AND ASSOCIA
03.10 040.03-0400

K-H PROJECT
249490000

DATE
03/10/2025

CALE	AS SHOW
ESIGNED BY	RM

RAWN BY	RM
CHECKED BY	BS

OVERALL PAVING, GRADING & DRAINAGE PLAN

CHANDLER OAKS

CITY OF APOKA

SHEET NUMBER
C5.0

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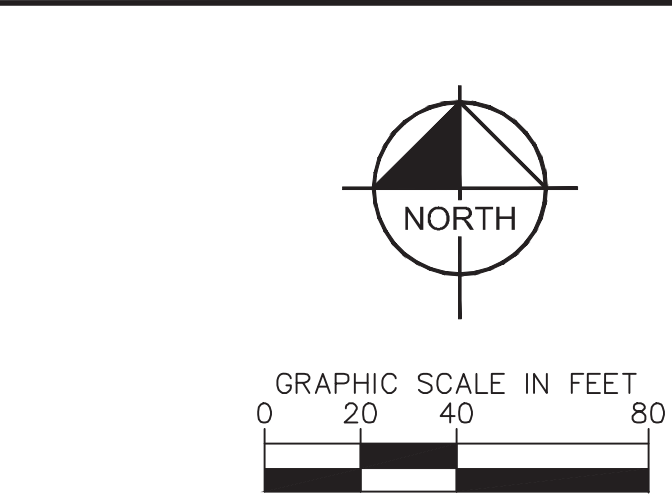
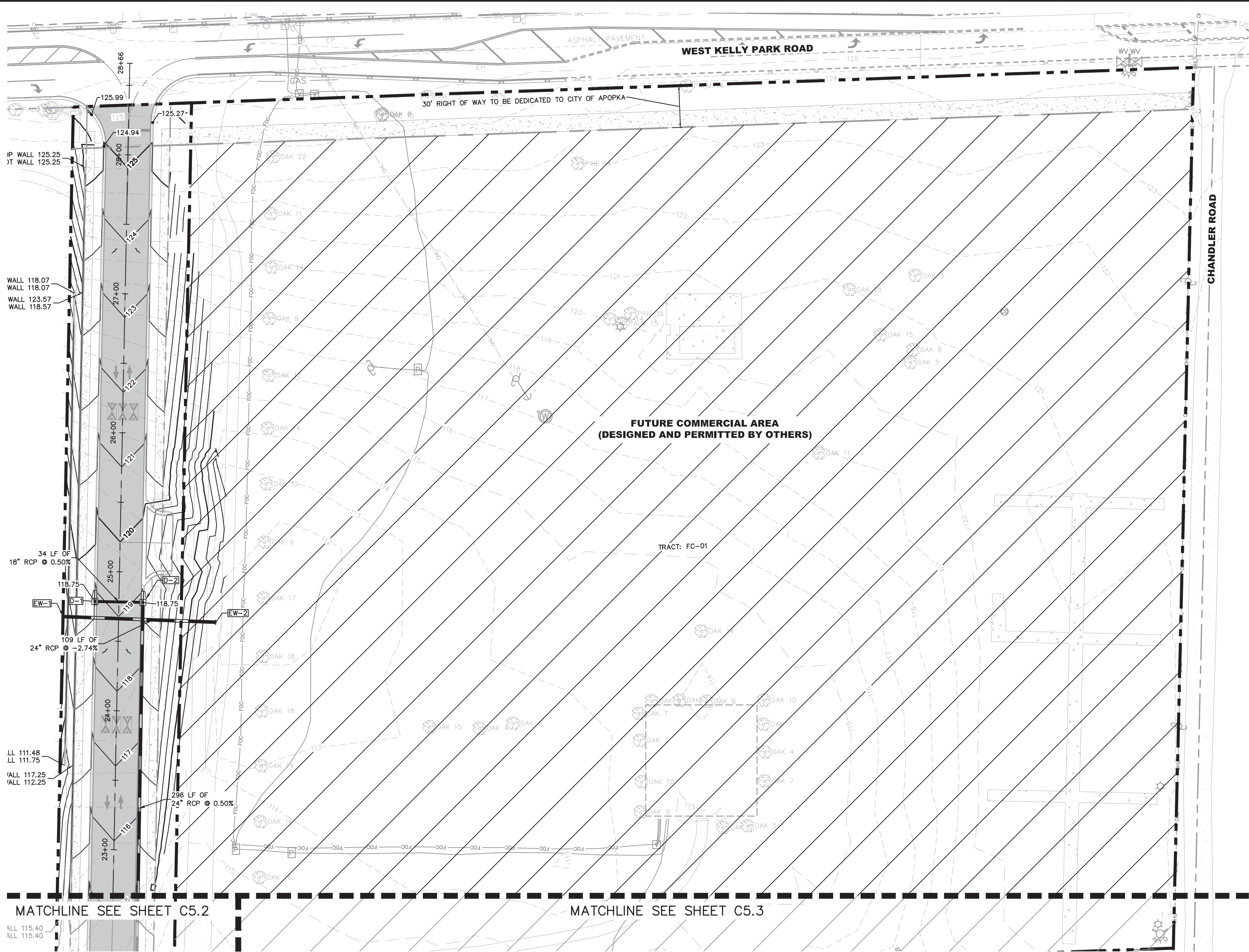
RAWN BY	RM
CHECKED BY	BS

OVERALL PAVING, GRADING & DRAINAGE PLAN

CHANDLER OAKS

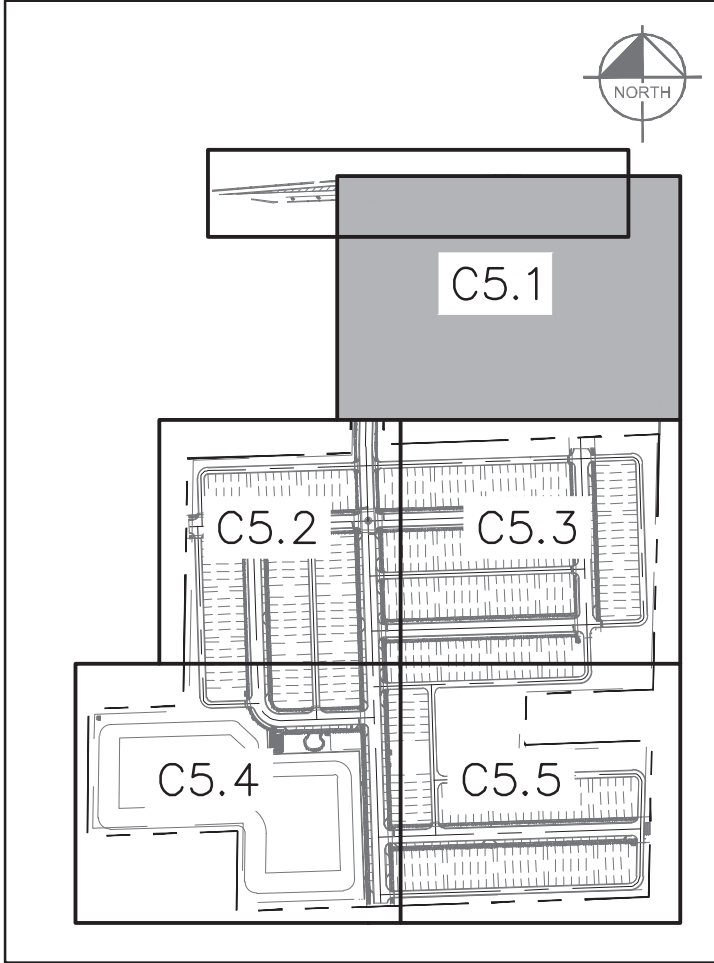
CITY OF APOKA

SHEET NUMBER
C5.0



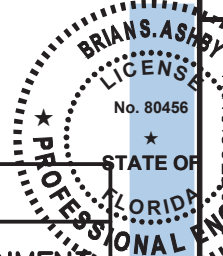
- LEGEND**
- PROJECT BOUNDARY
 - BUILDING SETBACK
 - LOT LINE
 - EXISTING GRADES
 - PROPOSED GRADES
 - PROPOSED STORM PIPE
 - PROPOSED STORM MANHOLE
 - PROPOSED CURB INLET
 - PROPOSED TYPE "V" INLET
 - PROPOSED SIDEWALK
 - PROPOSED HEAVY DUTY PAVEMENT
 - PROPOSED LIGHT DUTY PAVEMENT
 - FUTURE COMMERCIAL AREA (DESIGNED AND PERMITTED BY OTHERS)
 - PROPOSED DIRECTION OF STORMWATER RUNOFF

STORM STRUCTURE TABLE		
STRUCTURE NAME:	DETAILS:	ALIGNMENT:
D-1	STA: 24+78.29 (-17.25 LT) TYPE "5" CURB INLET PER FDOT INDEX #425-021 TOP: 118.75 E. INV OUT: 108.52 (18" RCP)	BLVD A
D-2	STA: 24+78.29 (17.25 RT) TYPE "5" CURB INLET PER FDOT INDEX #425-021 TOP: 118.75 W. INV IN: 108.35 (18" RCP) S. INV OUT: 108.35 (24" RCP)	BLVD A
EW-1	STA: 24+66.91 (-39.54 LT) STRAIGHT CONCRETE ENDWALL PER FDOT INDEX #430-030 TOP: 111.33 E. INV OUT: 109.00 (24" RCP)	BLVD A
EW-2	STA: 24+65.08 (69.90 RT) STRAIGHT CONCRETE ENDWALL PER FDOT INDEX #430-030 TOP: 114.33 W. INV IN: 112.00 (24" RCP)	BLVD A



KEY MAP
SCALE: 1" = 500'

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IT'S THE LAW! DIAL 811
Know what's below. Call before you dig.
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

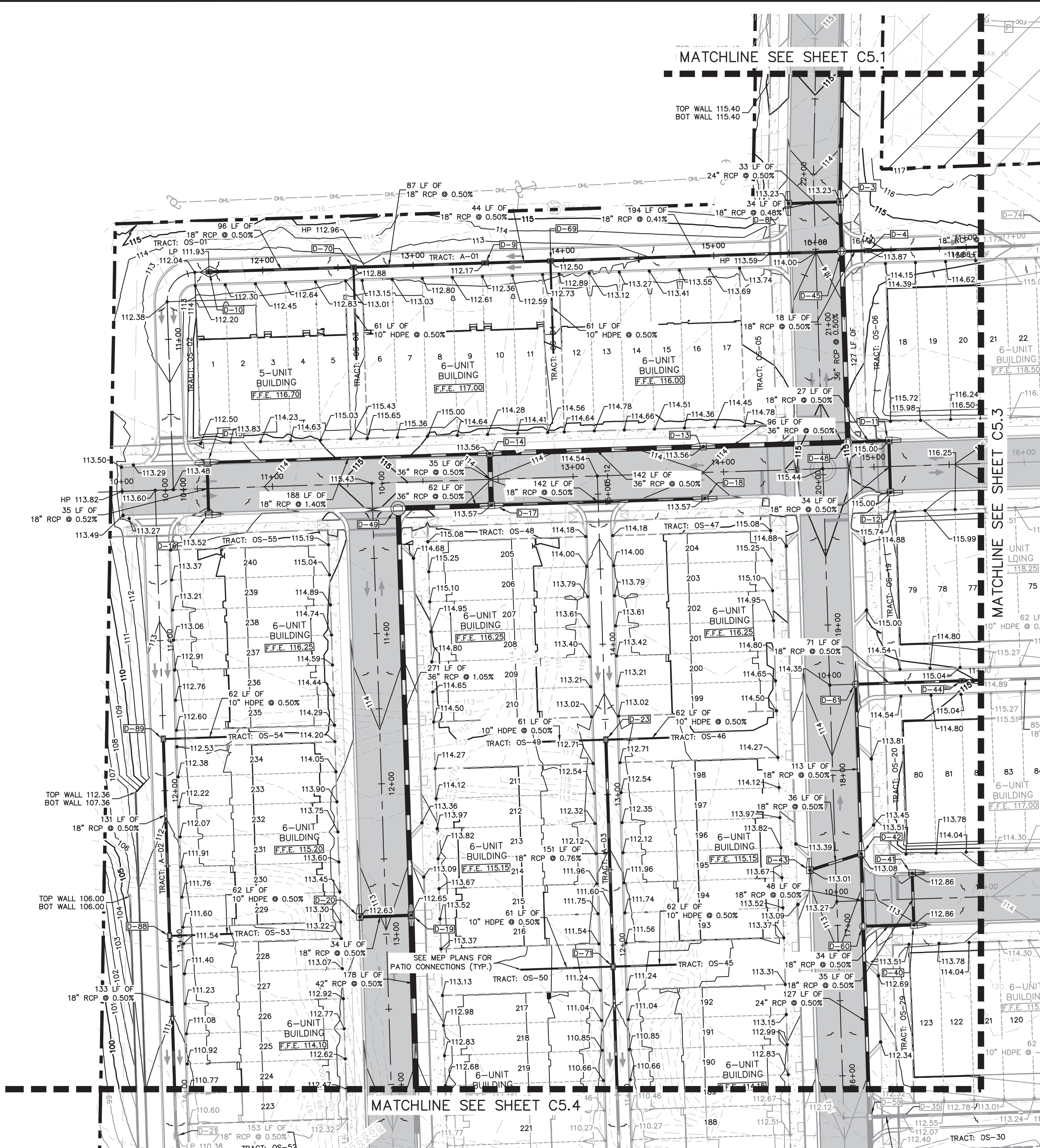


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PAVING, GRADING &
DRAINAGE PLAN

CHANDLER OAKS

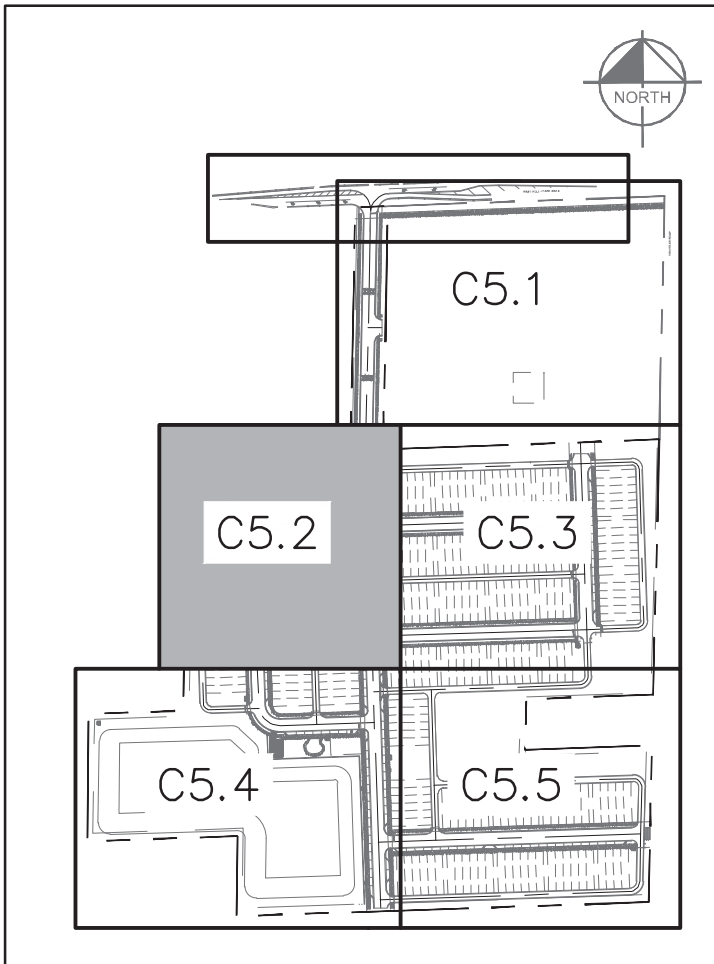
SHEET NUMBER
C5.1



STORM STRUCTURE TABLE		
STRUCTURE NAME:	DETAILS:	ALIGNMENT:
D-3	STA: 21+80.98 (17.25 RT) TYPE "6" CURB INLET PER FDOT INDEX #425-021 TOP: 113.22 N. INV IN: 106.86 (24" RCP) W. INV IN: 107.87 (18" RCP) S. INV OUT: 106.86 (24" RCP)	BLVD A
D-4	STA: 16+02.86 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 113.87 E. INV IN: 108.29 (18" RCP) W. INV OUT: 108.29 (18" RCP)	ALLEY ABC
D-8	STA: 21+80.98 (-17.25 LT) TYPE "6" CURB INLET PER FDOT INDEX #425-021 TOP: 113.23 E. INV OUT: 108.03 (18" RCP)	BLVD A
D-9	STA: 13+47.64 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 112.17 W. INV IN: 106.29 (18" RCP) E. INV OUT: 106.29 (18" RCP)	ALLEY ABC
D-10	STA: 11+64.24 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 111.93 E. INV OUT: 107.20 (18" RCP)	ALLEY ABC
D-11	STA: 15+10.50 (-17.25 LT) TYPE "5" CURB INLET PER FDOT INDEX #425-021 TOP: 115.00 S. INV IN: 110.10 (18" RCP) W. INV OUT: 110.10 (18" RCP)	ROAD A
D-12	STA: 15+10.50 (17.25 RT) TYPE "5" CURB INLET PER FDOT INDEX #425-021 TOP: 115.00 N. INV OUT: 110.27 (18" RCP)	ROAD A
D-13	STA: 13+87.00 (-17.25 LT) TYPE "6" CURB INLET PER FDOT INDEX #425-021 TOP: 113.56 E. INV IN: 103.98 (36" RCP) W. INV OUT: 103.98 (36" RCP)	ROAD A
D-14	STA: 12+45.00 (-17.25 LT) TYPE "6" CURB INLET PER FDOT INDEX #425-021 TOP: 113.56 E. INV IN: 103.27 (36" RCP) W. INV OUT: 103.27 (36" RCP)	ROAD A
D-15	STA: 10+56.99 (-17.25 LT) TYPE "6" CURB INLET PER FDOT INDEX #425-021 TOP: 112.80 S. INV IN: 105.90 (18" RCP) E. INV OUT: 105.90 (18" RCP)	ROAD A
D-16	STA: 10+56.99 (17.25 RT) TYPE "6" CURB INLET PER FDOT INDEX #425-021 TOP: 112.80 N. INV OUT: 106.08 (18" RCP)	ROAD A
D-17	STA: 12+45.00 (17.25 RT) TYPE "6" CURB INLET PER FDOT INDEX #425-021 TOP: 113.56 N. INV IN: 103.10 (36" RCP) E. INV OUT: 107.20 (18" RCP) W. INV OUT: 103.10 (36" RCP)	ROAD A
D-18	STA: 13+87.00 (17.25 RT) TYPE "6" CURB INLET PER FDOT INDEX #425-021 TOP: 113.57 W. INV OUT: 107.91 (18" RCP)	ROAD A
D-19	STA: 12+88.00 (-17.00 LT) TYPE "6" CURB INLET PER FDOT INDEX #425-052 TOP: 112.65 W. INV IN: 107.74 (18" RCP) N. INV IN: 99.94 (36" RCP) S. INV OUT: 99.94 (42" RCP)	ROAD B
D-20	STA: 12+88.00 (17.25 RT) TYPE "5" CURB INLET PER FDOT INDEX #425-021 TOP: 112.63 E. INV OUT: 107.91 (18" RCP)	ROAD B
D-23	STA: 13+36.50 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 112.70 W. INV IN: 107.59 (10" HDPE) S. INV IN: 107.59 (10" HDPE) S. INV OUT: 106.92 (18" RCP)	ALLEY E
D-40	STA: 10+50.88 (17.25 RT) TYPE "5" CURB INLET PER FDOT INDEX #425-021 TOP: 112.86 N. INV IN: 106.07 (18" RCP) W. INV OUT: 106.07 (18" RCP)	ROAD C
D-41	STA: 10+50.88 (-17.25 LT) TYPE "5" CURB INLET PER FDOT INDEX #425-021 TOP: 112.86 S. INV OUT: 108.24 (18" RCP)	ROAD C

STORM STRUCTURE TABLE		
STRUCTURE NAME:	DETAILS:	ALIGNMENT:
D-42	STA: 17+47.15 (17.25 RT) TYPE "5" CURB INLET PER FDOT INDEX #425-021 TOP: 113.08 N. INV IN: 108.24 (18" RCP) W. INV IN: 108.04 (18" RCP) S. INV OUT: 108.24 (18" RCP)	BLVD A
D-43	STA: 17+37.40 (-17.25 LT) TYPE "5" CURB INLET PER FDOT INDEX #425-021 TOP: 113.01 E. INV OUT: 108.22 (18" RCP)	BLVD A
D-45	STA: 21+47.98 (17.25 RT) TYPE "P7" MANHOLE PER FDOT INDEX #425-010 TOP: 113.56 N. INV IN: 106.70 (24" RCP) E. INV IN: 108.20 (18" RCP) W. INV IN: 105.27 (18" RCP) S. INV OUT: 105.10 (36" RCP)	BLVD A
D-48	STA: 20+20.98 (17.25 RT) TYPE "P7" MANHOLE PER FDOT INDEX #425-010 TOP: 114.83 N. INV IN: 104.46 (36" RCP) E. INV IN: 109.96 (18" RCP) W. INV OUT: 104.46 (36" RCP)	BLVD A
D-49	STA: 11+83.00 (17.25 RT) TYPE "P7" MANHOLE PER FDOT INDEX #425-010 TOP: 114.68 E. INV IN: 102.79 (36" RCP) S. INV OUT: 102.79 (36" RCP)	ROAD A
D-60	STA: 16+98.98 (17.00 RT) TYPE "P7" MANHOLE PER FDOT INDEX #425-010 TOP: 112.71 N. INV IN: 108.00 (18" RCP) E. INV IN: 107.90 (18" RCP) S. INV OUT: 107.10 (36" RCP)	BLVD A
D-61	STA: 18+58.98 (17.25 RT) TYPE "P7" MANHOLE PER FDOT INDEX #425-010 TOP: 113.91 E. INV IN: 108.81 (18" RCP) S. INV OUT: 108.81 (18" RCP)	BLVD A
D-69	STA: 13+91.35 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 112.50 W. INV IN: 106.07 (18" RCP) S. INV IN: 106.73 (10" HDPE) E. INV OUT: 106.07 (18" RCP)	ALLEY ABC
D-70	STA: 12+60.35 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 112.88 W. INV IN: 106.72 (18" RCP) S. INV IN: 107.39 (10" HDPE) E. INV OUT: 106.72 (18" RCP)	ALLEY ABC
D-88	STA: 12+96.50 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 111.40 N. INV IN: 106.26 (18" RCP) E. INV IN: 106.93 (10" HDPE) S. INV OUT: 106.26 (18" RCP)	ALLEY D
D-89	STA: 11+65.50 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 112.40 E. INV IN: 107.58 (10" HDPE) S. INV OUT: 106.92 (18" RCP)	ALLEY D

- LEGEND**
- PROJECT BOUNDARY
 - BUILDING SETBACK
 - LOT LINE
 - EXISTING GRADES
 - PROPOSED GRADES
 - PROPOSED STORM PIPE
 - PROPOSED STORM MANHOLE
 - PROPOSED CURB INLET
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PROFESSIONAL ENGINEER

BRUNN'S ASHBY
No. 00486
STATE OF FLORIDA
P.E. NUMBER
00014027
Date: 03/10/2025

K-H PROJECT
249490000

DATE
03/10/2025

SCALE AS SHOWN

DESIGNED BY RMG

DRAWN BY RMG

CHECKED BY BSA

PAVING, GRADING & DRAINAGE PLAN

CHANDLER OAKS

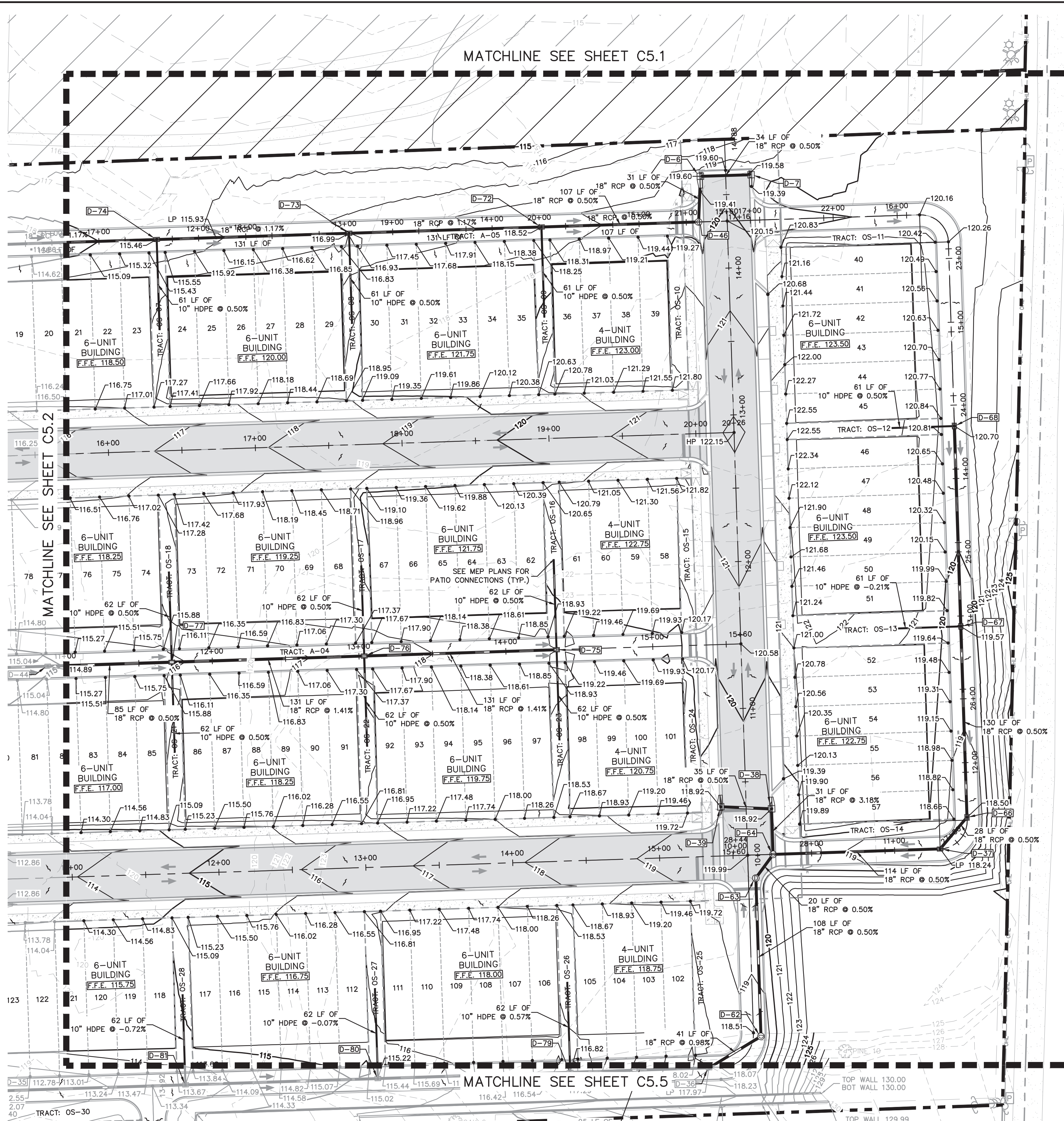
FLORIDA

CITY OF APOPKA

SHEET NUMBER
C5.2

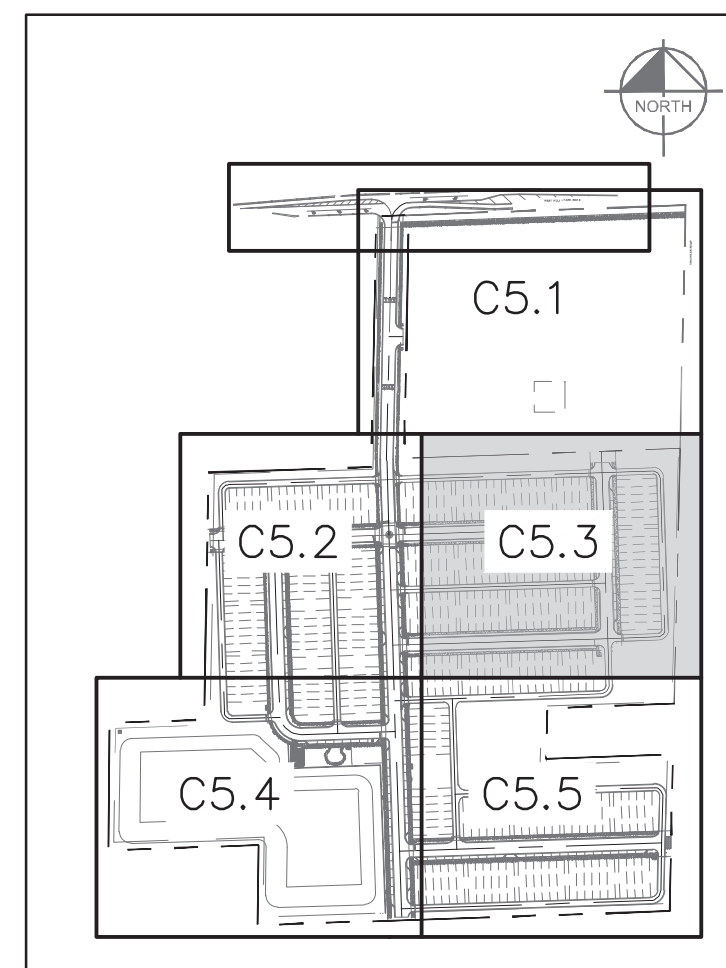
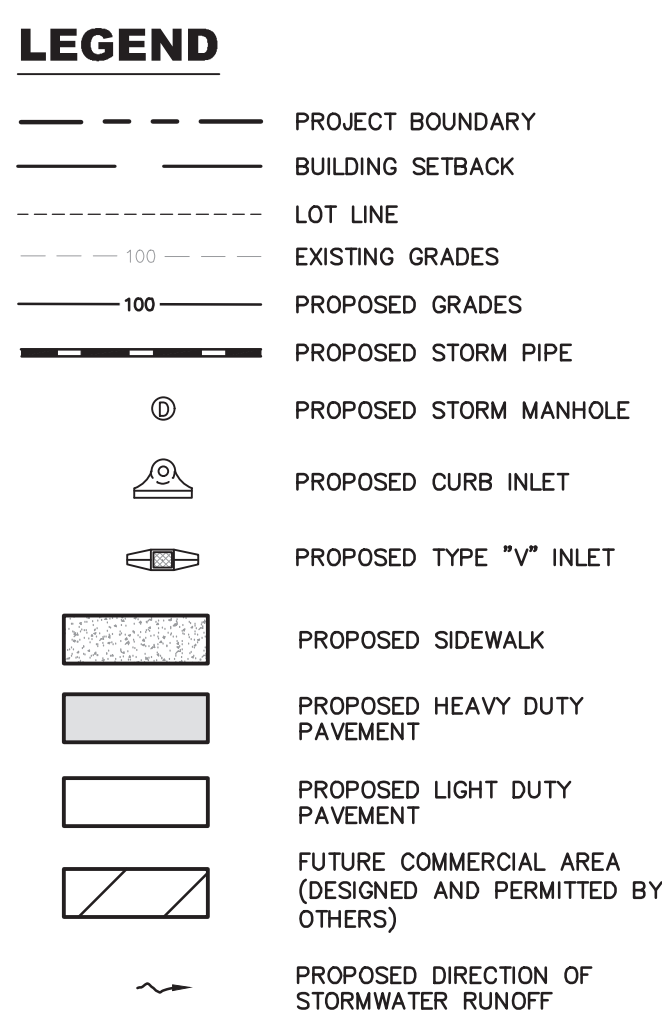
REVISIONS

No.	DATE	BY



STORM STRUCTURE TABLE		
STRUCTURE NAME:	DETAILS:	ALIGNMENT:
D-6	STA: 14+63.06 (-17.25 LT) TYPE "5" CURB INLET PER FDOT INDEX #425-021 TOP: 119.47 E. INV IN: 113.65 (18" RCP) S. INV. OUT: 113.65 (18" RCP)	ROAD D
D-7	STA: 14+63.00 (17.23 RT) TYPE "5" CURB INLET PER FDOT INDEX #425-021 TOP: 119.48 W. INV. OUT: 113.82 (18" RCP)	ROAD D
D-37	STA: 27+12.55 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 118.24 NE. INV IN: 113.61 (18" RCP) W. INV. OUT: 113.61 (18" RCP)	ALLEY ABC
D-38	STA: 10+31.00 (17.25 RT) TYPE "5" CURB INLET PER FDOT INDEX #425-021 TOP: 118.92 W. INV IN: 114.03 (18" RCP) S. INV. OUT: 114.03 (18" RCP)	ROAD D
D-39	STA: 10+33.50 (-17.25 LT) TYPE "5" CURB INLET PER FDOT INDEX #425-021 TOP: 118.92 E. INV. OUT: 114.20 (18" RCP)	ROAD D
D-40	STA: 10+50.68 (17.25 RT) TYPE "5" CURB INLET PER FDOT INDEX #425-021 TOP: 112.86 N. INV IN: 108.07 (18" RCP) W. INV. OUT: 108.07 (18" RCP)	ROAD C
D-41	STA: 10+50.68 (-17.25 LT) TYPE "5" CURB INLET PER FDOT INDEX #425-021 TOP: 112.86 S. INV. OUT: 108.24 (18" RCP)	ROAD C
D-44	STA: 10+87.92 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 114.89 E. INV IN: 109.16 (18" RCP) W. INV. OUT: 109.16 (18" RCP)	ALLEY F
D-46	STA: 21+08.36 (0.00) TYPE "P7" MANHOLE PER FDOT INDEX #425-010 TOP: 119.81 N. INV IN: 113.49 (18" RCP) W. INV. OUT: 113.49 (18" RCP)	ALLEY ABC
D-62	STA: 15+71.00 (5.12 RT) TYPE "P7" MANHOLE PER FDOT INDEX #425-010 TOP: 116.59 N. INV IN: 112.40 (18" RCP) SW. INV. OUT: 112.40 (18" RCP)	ALLEY G
D-63	STA: 16+78.37 (5.00 RT) TYPE "P7" MANHOLE PER FDOT INDEX #425-010 TOP: 119.82 NE. INV IN: 112.94 (18" RCP) S. INV. OUT: 112.94 (18" RCP)	ALLEY G

STORM STRUCTURE TABLE		
STRUCTURE NAME:	DETAILS:	ALIGNMENT:
D-64	STA: 16+94.13 (17.25 RT) TYPE "P7" MANHOLE PER FDOT INDEX #425-010 TOP: 119.66 E. INV IN: 113.04 (18" RCP) N. INV IN: 113.04 (18" RCP) SW. INV OUT: 113.04 (18" RCP)	ALLEY G
D-66	STA: 26+80.77 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 116.50 E. INV IN: 113.75 (18" RCP) SW. INV OUT: 113.75 (18" RCP)	ALLEY ABC
D-67	STA: 25+50.70 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 119.57 N. INV IN: 114.40 (18" RCP) W. INV IN: 115.07 (10" HDPE) S. INV OUT: 114.40 (18" RCP)	ALLEY ABC
D-68	STA: 24+14.20 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 120.70 W. INV IN: 115.75 (10" HDPE) S. INV OUT: 115.09 (18" RCP)	ALLEY ABC
D-72	STA: 20+01.36 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 118.52 E. INV IN: 112.96 (18" RCP) S. INV IN: 113.62 (10" HDPE) W. INV OUT: 112.96 (18" RCP)	ALLEY ABC
D-73	STA: 18+70.36 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 116.99 E. INV IN: 111.42 (18" RCP) S. INV IN: 112.08 (10" HDPE) W. INV OUT: 111.42 (18" RCP)	ALLEY ABC
D-74	STA: 17+39.36 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 115.46 E. INV IN: 109.89 (18" RCP) S. INV IN: 110.55 (10" HDPE) W. INV OUT: 109.89 (18" RCP)	ALLEY ABC
D-75	STA: 14+34.50 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 118.99 N. INV IN: 113.93 (10" HDPE) S. INV IN: 113.93 (10" HDPE) W. INV OUT: 113.27 (18" RCP)	ALLEY F
D-76	STA: 13+03.50 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 117.44 E. INV IN: 111.42 (18" RCP) N. INV IN: 112.08 (10" HDPE) S. INV IN: 112.08 (10" HDPE) W. INV OUT: 111.42 (18" RCP)	ALLEY F
D-77	STA: 11+72.50 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 115.89 E. INV IN: 109.58 (18" RCP) N. INV IN: 110.25 (10" HDPE) S. INV IN: 110.25 (10" HDPE) W. INV OUT: 109.58 (18" RCP)	ALLEY F



KEY MAP
SCALE: 1" = 500'

CALL 48 HOURS
BEFORE YOU DIG

IT'S THE LA
DIAL 811



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

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Kimley»Horn

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PHONE: 407-898-1511

WWW.KIMLEY-HORN.COM REGISTRATION No. 35106

**PROFESSIONAL
ENGINEER**

P.E.

ORIGINATOR NUMBER

Digitally signed by Brian S Ashby
DN: cn=Brian S Ashby,
o=Qualifier-A0141960000018837PASC0001A1
D=KIMLEY-HORN AND ASSOCIATES, C=US
Date: 2025.03.10 15:00:00-0400

JAN

DATE: 03/10/2025

REC 002

Kimley-Horn Associates

K-H PROJECT
249490000

DATE 07/08/2000

03/10/2025
SCALE AS SHOWN

DESIGNED BY RMC

DRAWN BY RMC

CHECKED BY BSA

PAVING, GRADING & DRAINAGE PLAN

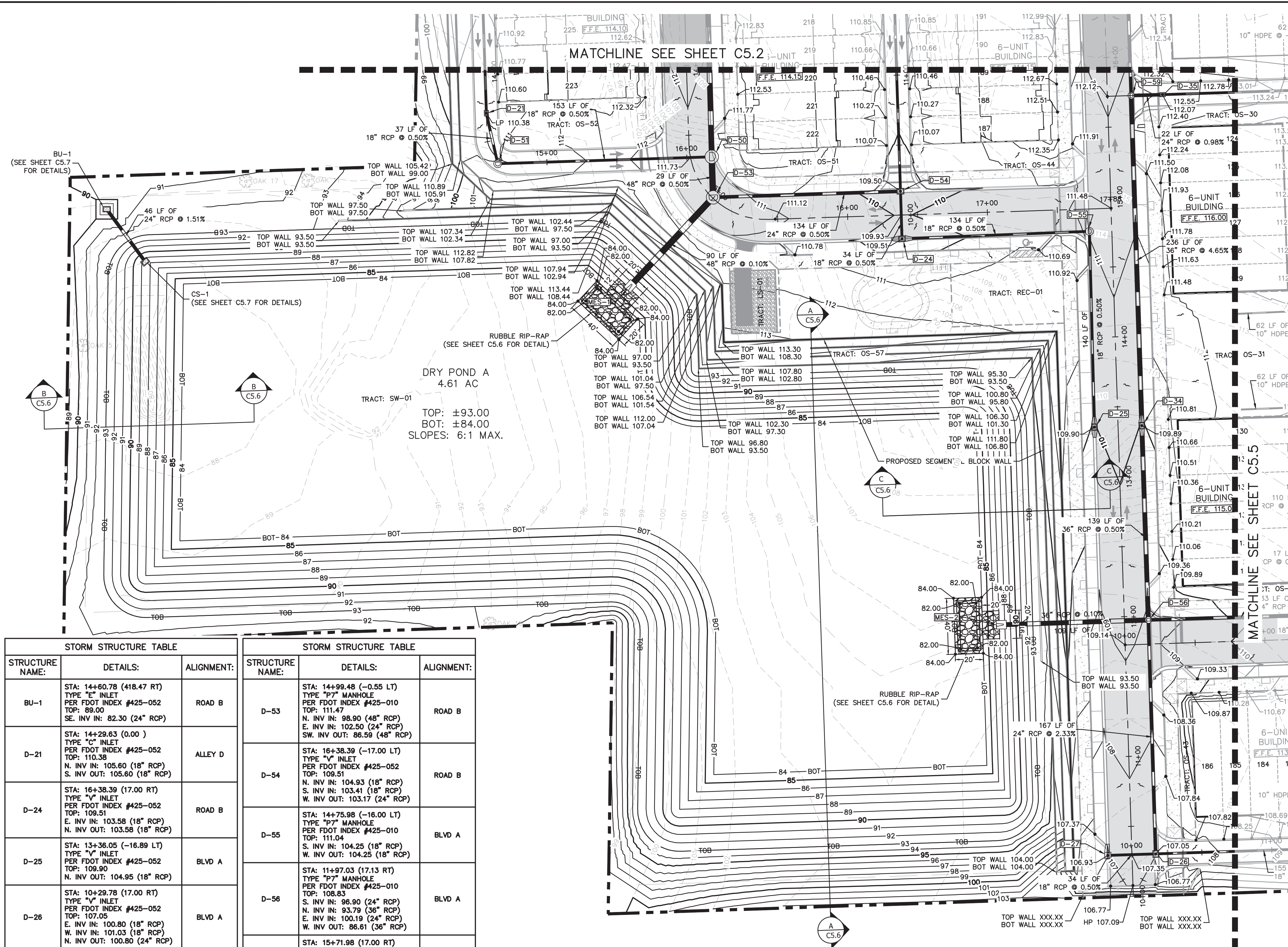
CHANDLER OAKS

FLORIDA

CITY OF APOPKA

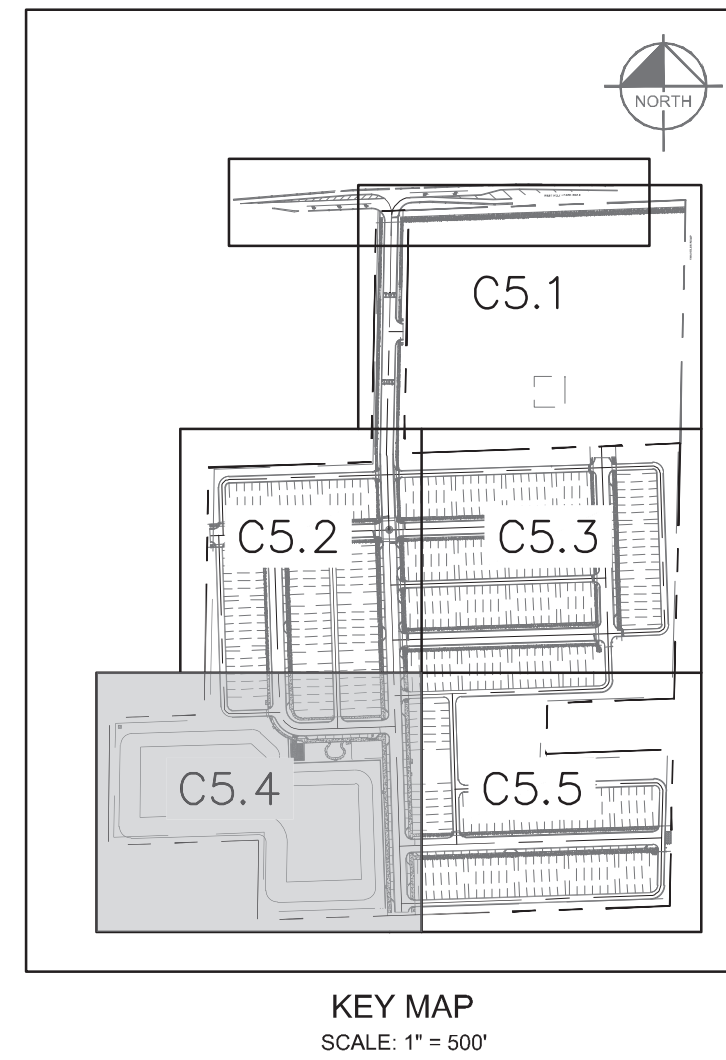
SHEET NUMBER

C5.3



STORM STRUCTURE TABLE			
STRUCTURE NAME:	DETAILS:	ALIGNMENT:	
BU-1	STA: 144+60.78 (418.47 RT) TYPE "E" INLET PER FDOT INDEX #425-052 TOP: 89.00 SE. INV IN: 82.30 (24" RCP)	ROAD B	
D-21	STA: 144+29.63 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 110.38 N. INV IN: 105.60 (18" RCP) N. INV OUT: 105.60 (18" RCP)	ALLEY D	
D-24	STA: 164+38.39 (17.00 RT) TYPE "V" INLET PER FDOT INDEX #425-052 TOP: 109.51 E. INV IN: 103.58 (18" RCP) N. INV OUT: 103.58 (18" RCP)	ROAD B	
D-25	STA: 134+36.05 (-16.89 LT) TYPE "V" INLET PER FDOT INDEX #425-052 TOP: 109.90 N. INV OUT: 104.95 (18" RCP)	BLVD A	
D-26	STA: 104+29.78 (17.00 RT) TYPE "V" INLET PER FDOT INDEX #425-052 TOP: 107.05 E. INV IN: 100.80 (18" RCP) N. INV IN: 101.03 (18" RCP) N. INV OUT: 100.80 (24" RCP)	BLVD A	
D-27	STA: 104+29.78 (-17.25 LT) TYPE "B" CURB INLET PER FDOT INDEX #425-021 TOP: 106.93 E. INV OUT: 101.20 (18" RCP)	BLVD A	
D-34	STA: 134+36.04 (17.00 RT) TYPE "V" INLET PER FDOT INDEX #425-052 TOP: 109.89 N. INV IN: 94.49 (36" RCP) S. INV OUT: 94.49 (36" RCP)	BLVD A	
D-35	STA: 104+39.39 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 112.07 E. INV IN: 107.19 (18" RCP) W. INV OUT: 106.69 (24" RCP)	ALLEY G	
D-50	STA: 144+69.47 (-14.98 LT) TYPE "P7" MANHOLE PER FDOT INDEX #425-010 TOP: 111.41 N. INV IN: 99.05 (42" RCP) W. INV IN: 104.65 (18" RCP) S. INV OUT: 99.05 (48" RCP)	ROAD B	
D-51	STA: 144+66.10 (3.50 RT) TYPE "P7" MANHOLE PER FDOT INDEX #425-010 TOP: 111.04 N. INV IN: 105.41 (18" RCP) E. INV OUT: 105.41 (18" RCP)	ALLEY D	

STORM STRUCTURE TABLE		
STRUCTURE NAME:	DETAILS:	ALIGNMENT:
D-53	STA: 14+99.48 (-0.55 LT) TYPE "P7" MANHOLE PER FDOT INDEX #425-010 TOP: 111.47 N. INV. IN: 98.90 (48" RCP) E. INV. IN: 102.50 (24" RCP) SW. INV. OUT: 86.59 (48" RCP)	ROAD B
D-54	STA: 16+38.39 (-17.00 LT) TYPE "V" INLET PER FDOT INDEX #425-052 TOP: 109.51 N. INV. IN: 104.93 (18" RCP) S. INV. IN: 103.41 (18" RCP) W. INV. OUT: 103.17 (24" RCP)	ROAD B
D-55	STA: 14+75.98 (-16.00 LT) TYPE "P7" MANHOLE PER FDOT INDEX #425-010 TOP: 111.04 S. INV. IN: 104.25 (18" RCP) W. INV. OUT: 104.25 (18" RCP)	BLVD A
D-56	STA: 11+97.03 (17.13 RT) TYPE "P7" MANHOLE PER FDOT INDEX #425-010 TOP: 108.85 S. INV. IN: 96.90 (24" RCP) N. INV. IN: 93.79 (36" RCP) E. INV. IN: 100.19 (24" RCP) W. INV. OUT: 86.61 (36" RCP)	BLVD A
D-59	STA: 15+71.98 (17.00 RT) TYPE "P7" MANHOLE PER FDOT INDEX #425-010 TOP: 111.70 N. INV. IN: 106.47 (24" RCP) E. INV. IN: 106.47 (24" RCP) S. INV. OUT: 105.47 (36" RCP)	BLVD A
MES-1	STA: 15+00.03 (89.61 RT) MITERED END SECTION PER FDOT INDEX #430-021 TOP: 90.92 NE. INV. IN: 86.50 (48" RCP)	ROAD B
MES-2	STA: 11+97.04 (-91.50 LT) MITERED END SECTION PER FDOT INDEX #430-021 TOP: 89.83 6.50 (36" RCP)	BLVD A



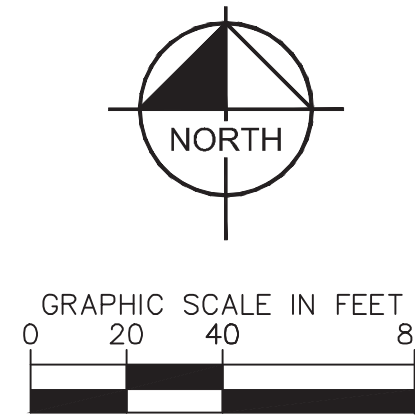
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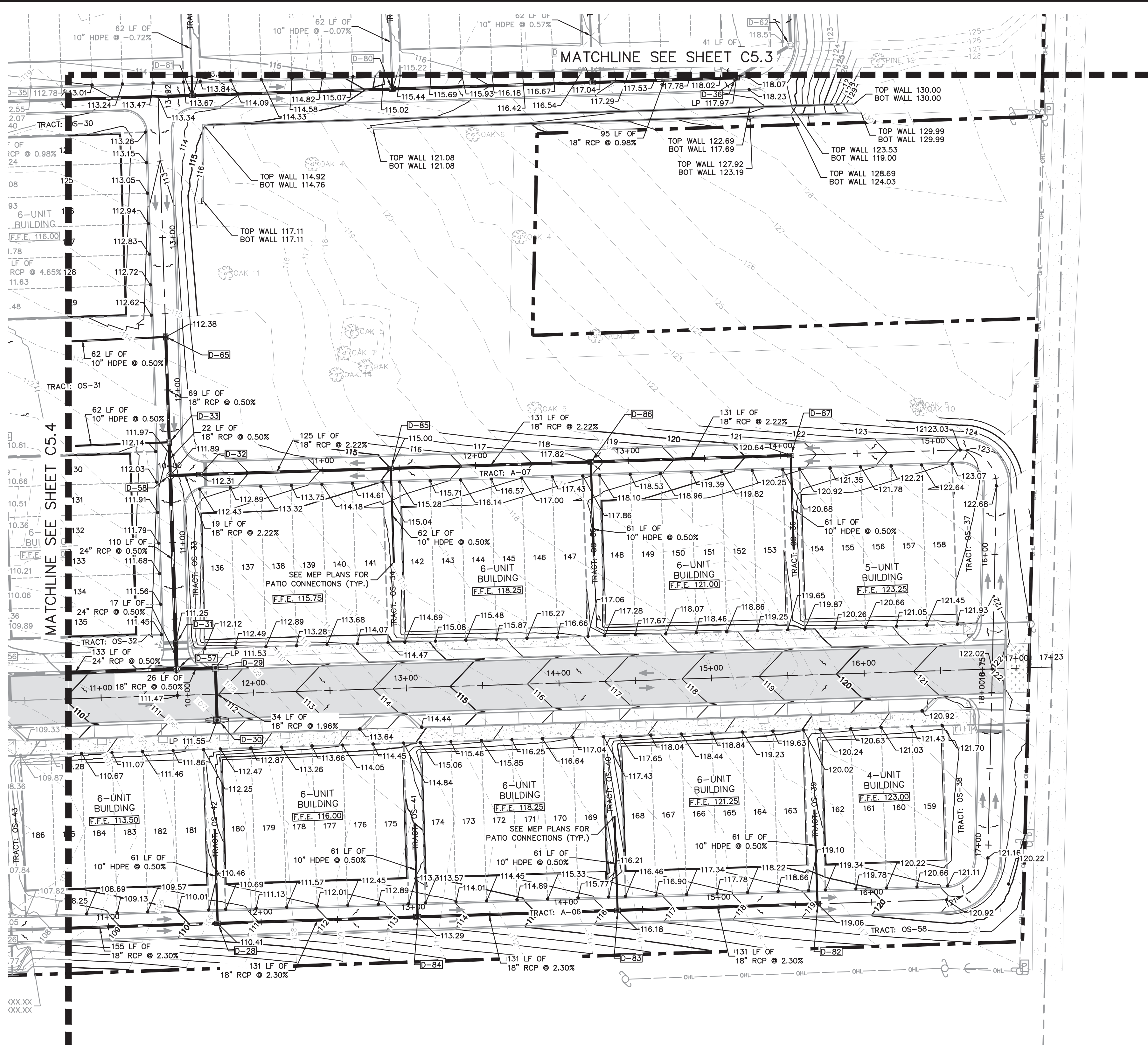
- | | |
|---|---|
|  | PROJECT BOUNDARY |
|  | BUILDING SETBACK |
|  | LOT LINE |
|  | EXISTING GRADES |
|  | PROPOSED GRADES |
|  | PROPOSED STORM PIPE |
|  | PROPOSED STORM MANHOLE |
|  | PROPOSED CURB INLET |
|  | PROPOSED TYPE "V" INLET |
|  | PROPOSED SIDEWALK |
|  | PROPOSED HEAVY DUTY PAVEMENT |
|  | PROPOSED LIGHT DUTY PAVEMENT |
|  | FUTURE COMMERCIAL AREA
(DESIGNED AND PERMITTED BY
OTHERS) |
|  | PROPOSED DIRECTION OF
STORMWATER RUNOFF |

[illegible]

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CHANDLER OAKS

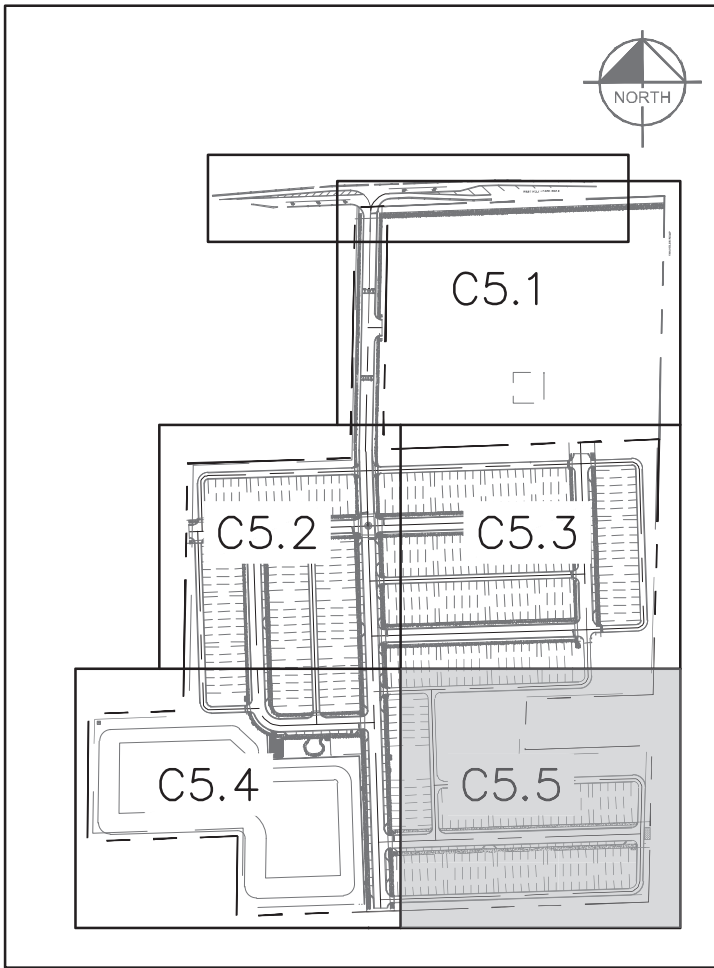
C5.4



STORM STRUCTURE TABLE		
STRUCTURE NAME:	DETAILS:	ALIGNMENT:
D-26	STA: 10+29.78 (17.00 RT) TYPE "V" INLET PER FDOT INDEX #425-052 TOP: 107.05 E. INV IN: 100.80 (18" RCP) W. INV IN: 101.03 (18" RCP) N. INV OUT: 100.80 (24" RCP)	BLVD A
D-28	STA: 11+71.53 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 110.41 N. INV IN: 105.03 (10" HDPE) E. INV IN: 104.36 (18" RCP) W. INV OUT: 104.36 (18" RCP)	ALLEY J
D-29	STA: 11+75.50 (-17.25 LT) TYPE "S" CURB INLET PER FDOT INDEX #425-021 TOP: 111.53 S. INV IN: 100.98 (18" RCP) W. INV OUT: 100.98 (18" RCP)	ROAD E
D-30	STA: 11+75.50 (17.00 RT) TYPE "V" INLET PER FDOT INDEX #425-041 TOP: 111.55 N. INV OUT: 101.65 (18" RCP)	ROAD E
D-31	STA: 10+34.22 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 111.25 N. INV IN: 104.34 (24" RCP) S. INV OUT: 104.34 (24" RCP)	ALLEY H
D-32	STA: 10+19.26 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 112.31 E. INV IN: 106.32 (18" RCP) W. INV OUT: 106.32 (18" RCP)	ALLEY I
D-33	STA: 11+85.74 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 112.01 N. INV IN: 105.50 (18" RCP) W. INV IN: 106.17 (10" HDPE) S. INV OUT: 105.50 (18" RCP)	ALLEY H
D-35	STA: 10+39.39 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 112.07 E. INV IN: 107.19 (18" RCP) W. INV OUT: 106.69 (24" RCP)	ALLEY G
D-36	STA: 15+29.00 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 117.97 NE. INV IN: 112.00 (18" RCP) W. INV OUT: 112.00 (18" RCP)	ALLEY G
D-56	STA: 11+97.03 (17.13 RT) TYPE "P7" MANHOLE PER FDOT INDEX #425-010 TOP: 108.83 S. INV IN: 98.90 (24" RCP) N. INV IN: 93.79 (36" RCP) E. INV IN: 100.19 (24" RCP) W. INV OUT: 86.61 (36" RCP)	BLVD A
D-57	STA: 11+50.00 (-17.25 LT) TYPE "P7" MANHOLE PER FDOT INDEX #425-010 TOP: 111.02 E. INV IN: 100.85 (18" RCP) N. INV IN: 104.26 (24" RCP) W. INV OUT: 100.85 (24" RCP)	ROAD E

STORM STRUCTURE TABLE		
STRUCTURE NAME:	DETAILS:	ALIGNMENT:
D-58	STA: 11+44.00 (0.03 RT) TYPE "P7" MANHOLE PER FDOT INDEX #425-010 TOP: 111.89 E. INV IN: 105.89 (18" RCP) N. INV IN: 105.39 (18" RCP) S. INV OUT: 104.89 (24" RCP)	ALLEY H
D-59	STA: 15+71.98 (17.00 RT) TYPE "P7" MANHOLE PER FDOT INDEX #425-010 TOP: 111.70 N. INV IN: 106.47 (24" RCP) E. INV IN: 106.47 (24" RCP) S. INV OUT: 105.47 (36" RCP)	BLVD A
D-65	STA: 12+34.75 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 112.38 W. INV IN: 106.51 (10" HDPE) S. INV OUT: 105.85 (18" RCP)	ALLEY H
D-82	STA: 15+84.53 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 119.08 N. INV IN: 114.08 (10" HDPE) W. INV OUT: 113.41 (18" RCP)	ALLEY J
D-83	STA: 14+33.53 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 116.18 N. INV IN: 111.06 (10" HDPE) E. INV IN: 110.40 (18" RCP) W. INV OUT: 110.40 (18" RCP)	ALLEY J
D-84	STA: 13+02.53 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 113.29 N. INV IN: 108.04 (10" HDPE) E. INV IN: 107.38 (18" RCP) W. INV OUT: 107.38 (18" RCP)	ALLEY J
D-85	STA: 11+44.50 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 115.00 S. INV IN: 109.77 (10" HDPE) E. INV IN: 109.10 (18" RCP) W. INV OUT: 109.10 (18" RCP)	ALLEY I
D-86	STA: 12+75.50 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 117.82 S. INV IN: 112.68 (10" HDPE) E. INV IN: 112.02 (18" RCP) W. INV OUT: 112.02 (18" RCP)	ALLEY I
D-87	STA: 14+06.50 (0.00) TYPE "C" INLET PER FDOT INDEX #425-052 TOP: 120.64 S. INV IN: 115.59 (10" HDPE) W. INV OUT: 114.93 (18" RCP)	ALLEY I

- LEGEND**
- PROJECT BOUNDARY
 - BUILDING SETBACK
 - LOT LINE
 - EXISTING GRADES
 - PROPOSED GRADES
 - PROPOSED STORM PIPE
 - PROPOSED STORM MANHOLE
 - PROPOSED CURB INLET
 - PROPOSED TYPE "V" INLET
 - PROPOSED SIDEWALK
 - PROPOSED HEAVY DUTY PAVEMENT
 - PROPOSED LIGHT DUTY PAVEMENT
 - FUTURE COMMERCIAL AREA (DESIGNED AND PERMITTED BY OTHERS)
 - PROPOSED DIRECTION OF STORMWATER RUNOFF



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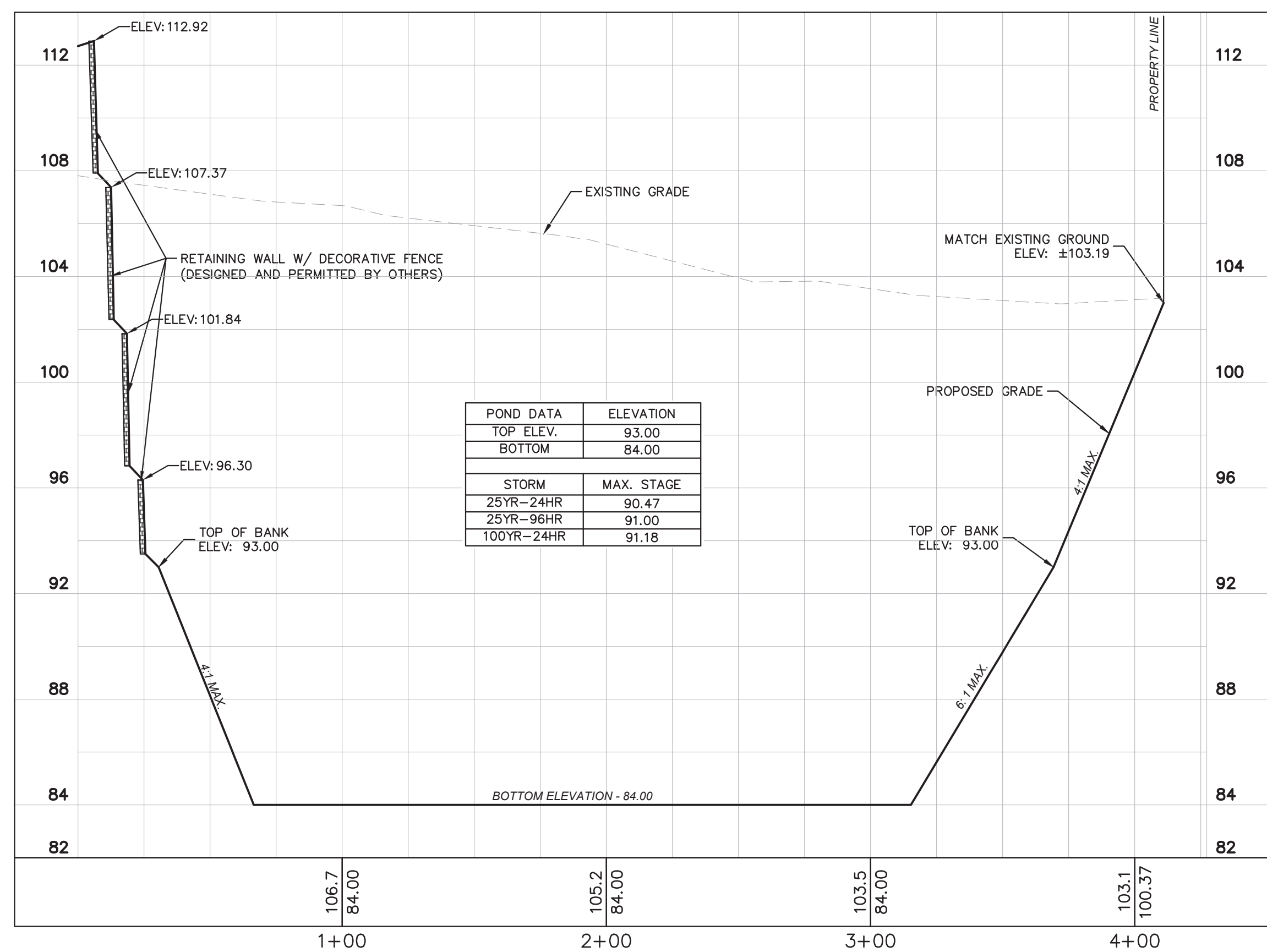
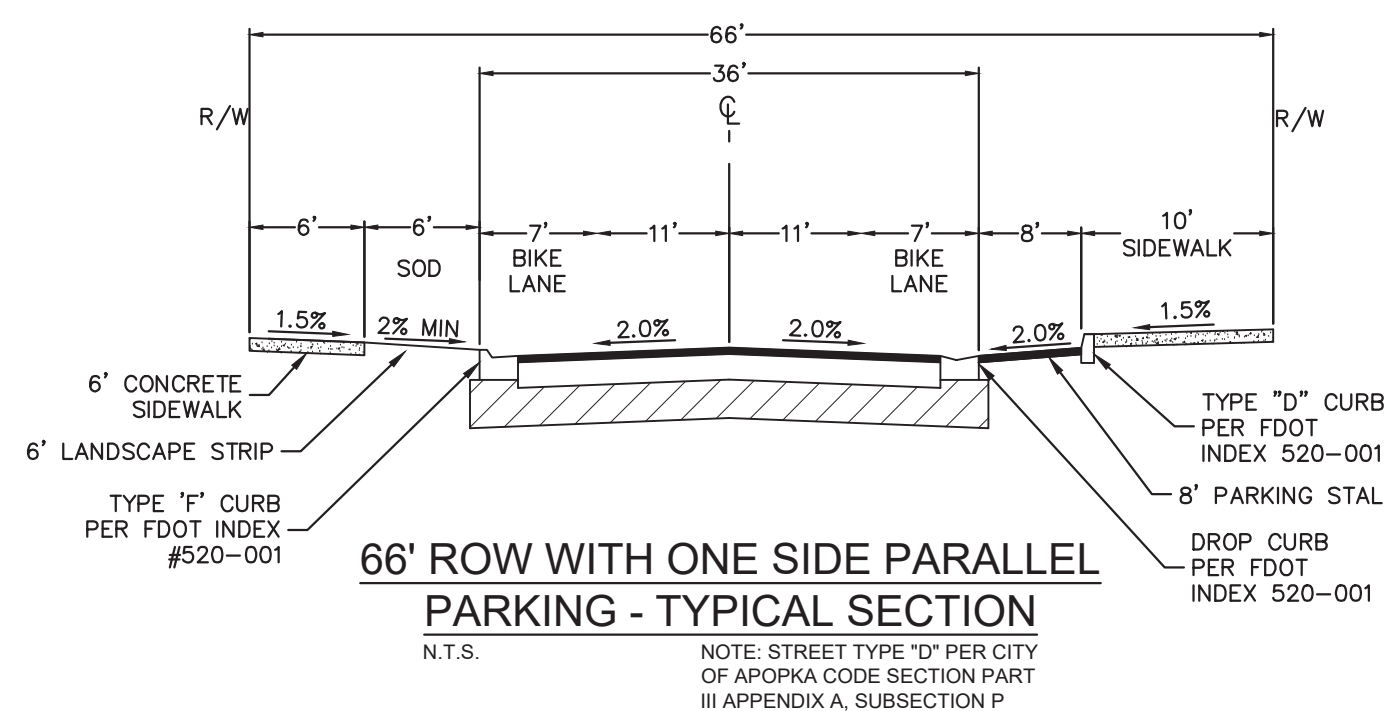
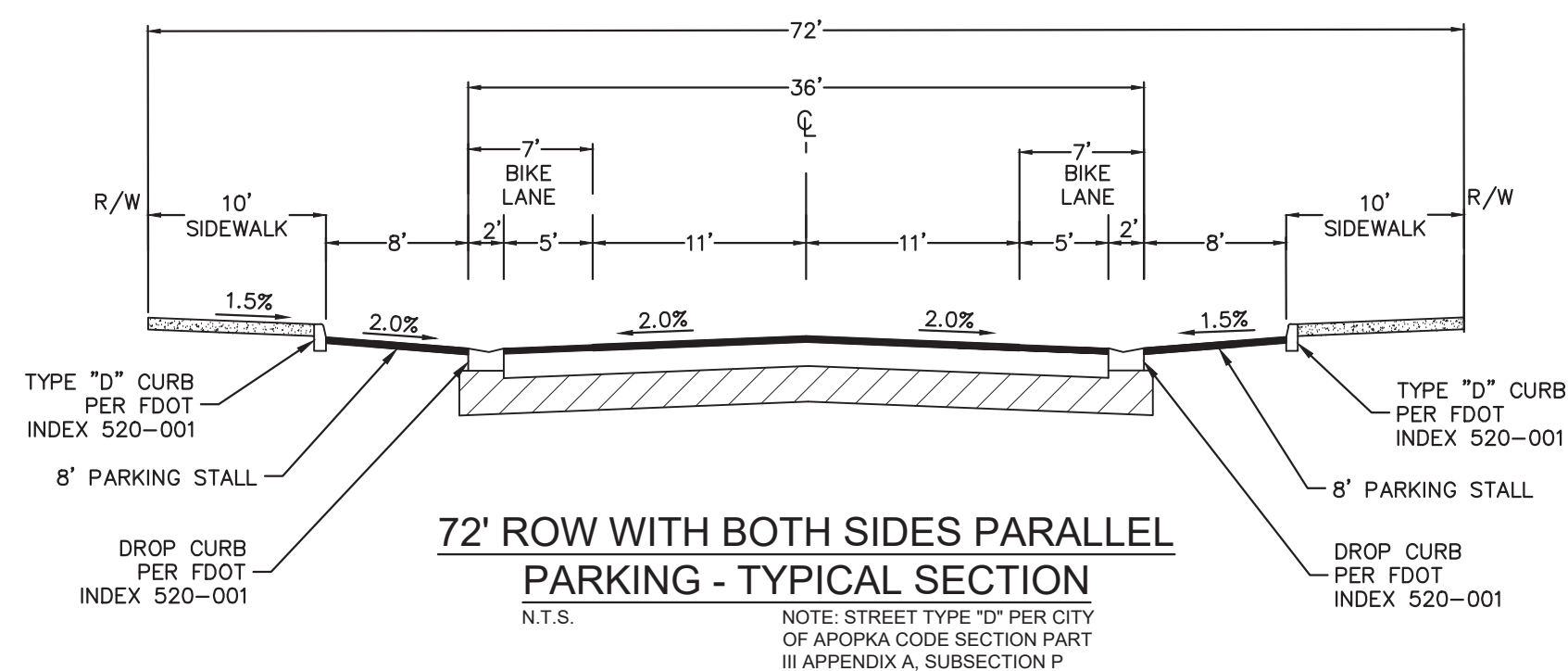
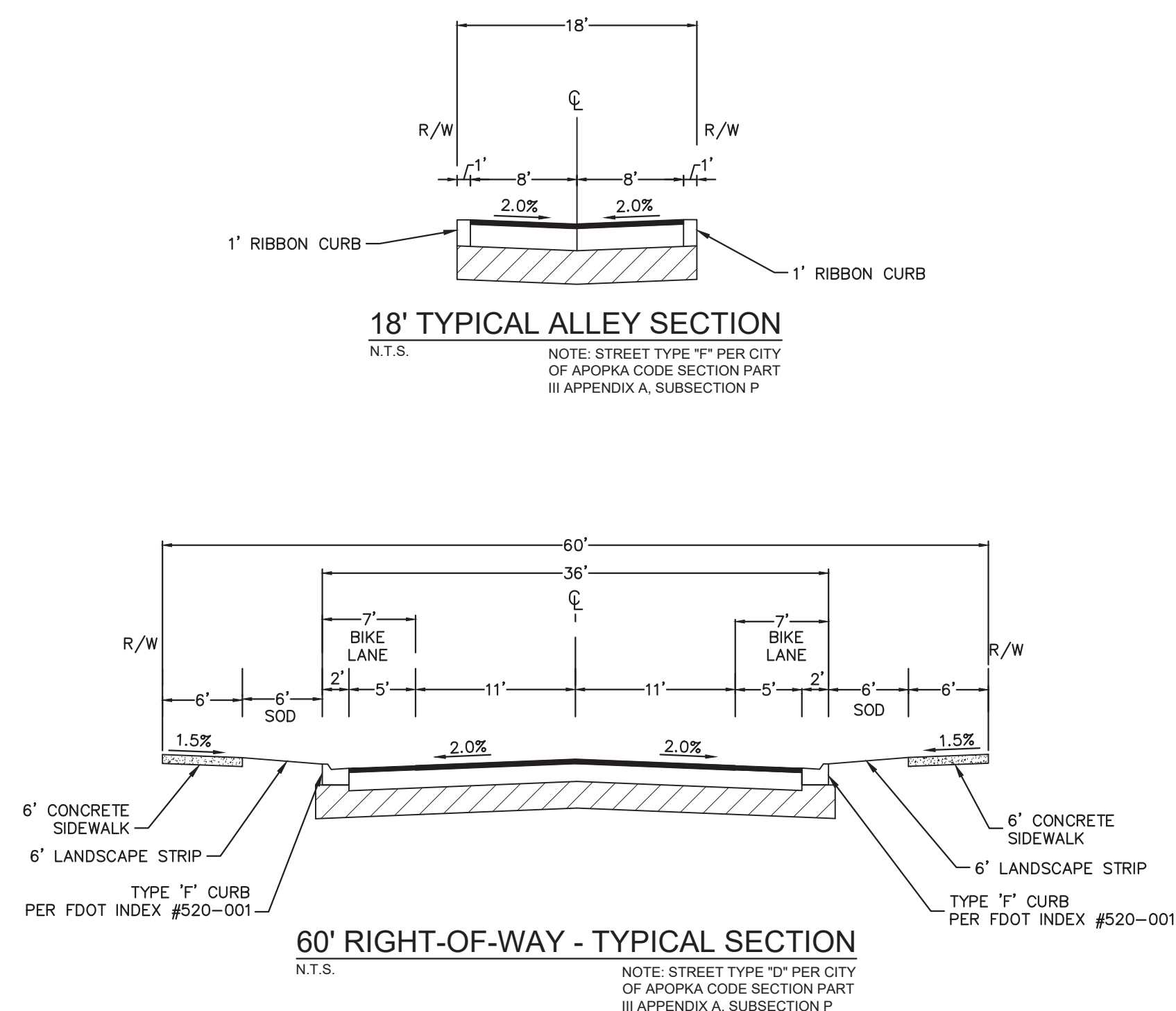
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No. 00496
STATE OF FLORIDA
EXPIRATION DATE 12/31/2025

K-H PROJECT
249490000
DATE
03/10/2025
SCALE AS SHOWN
DESIGNED BY RMG
DRAWN BY RMG
CHECKED BY BSA
DATE
03/11/2025

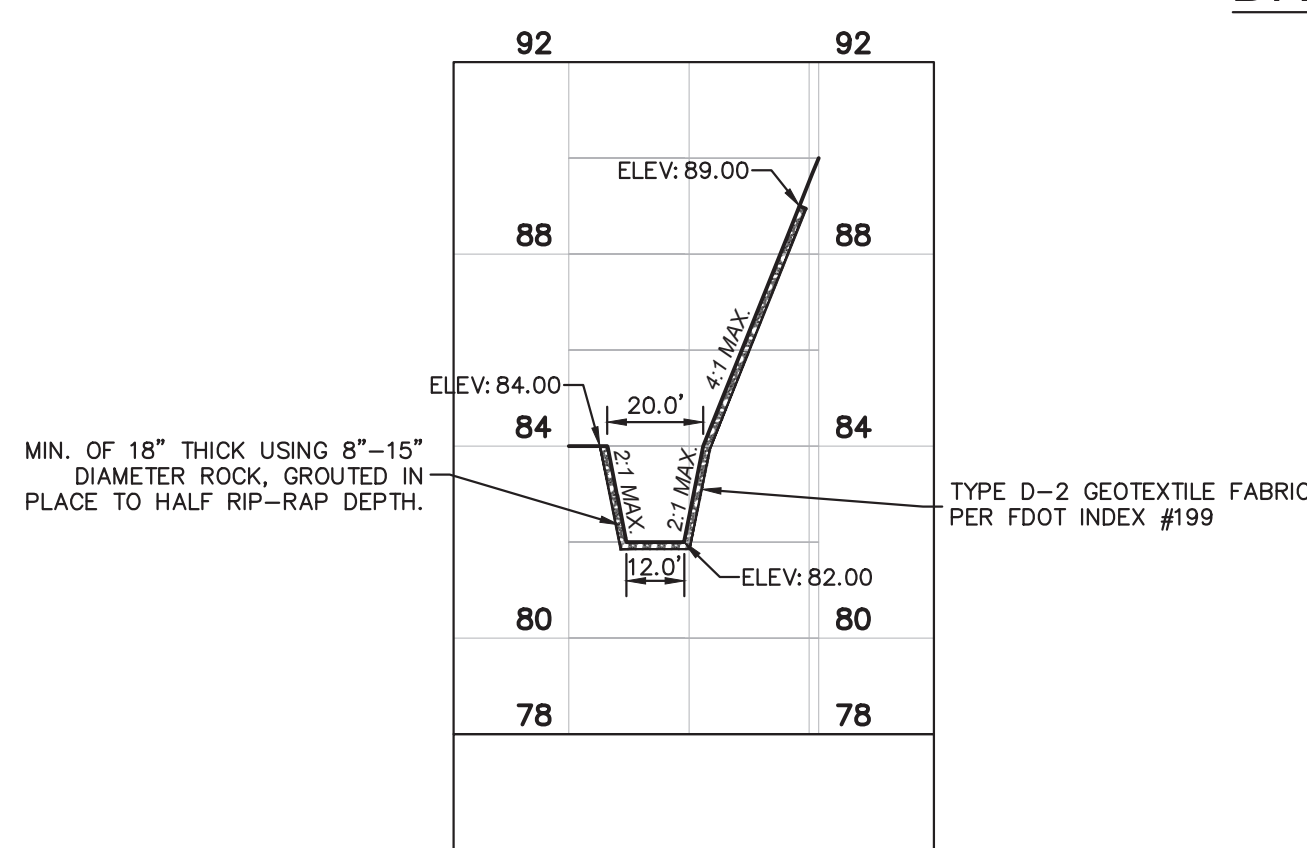
FLORIDA
CITY OF APOPKA

CHANDLER OAKS
PAVING, GRADING & DRAINAGE PLAN
SHEET NUMBER
C5.5

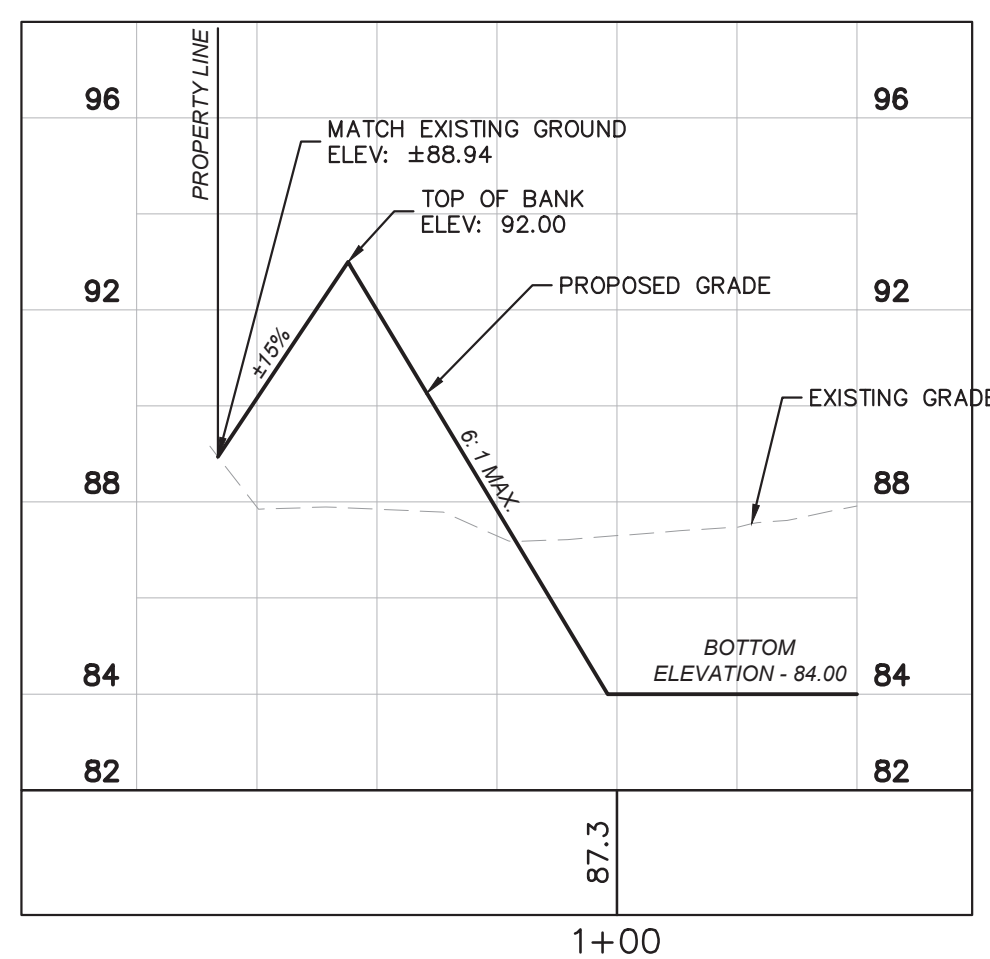
REVISIONS
No. DATE BY



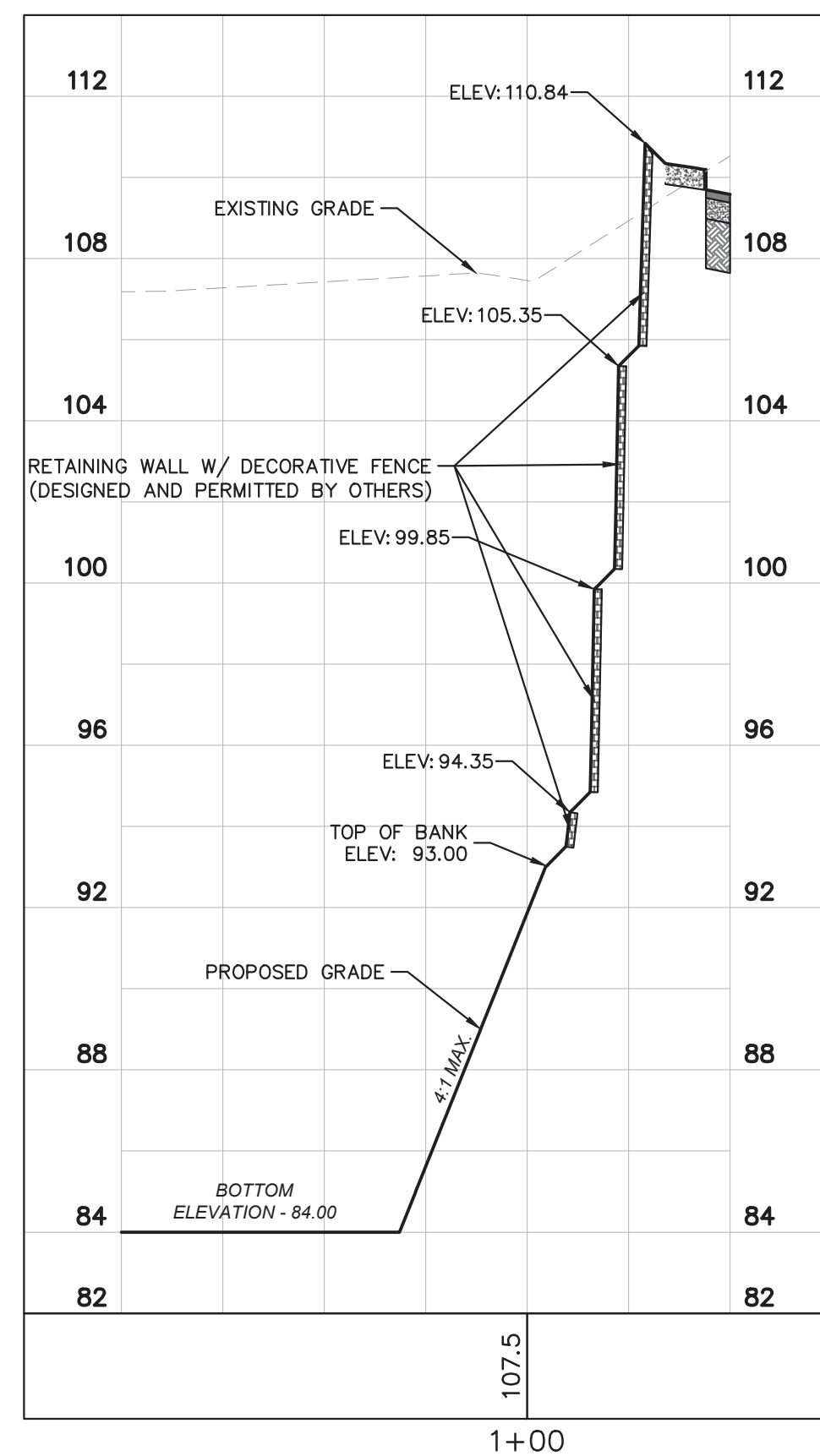
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DRY RETENTION POND



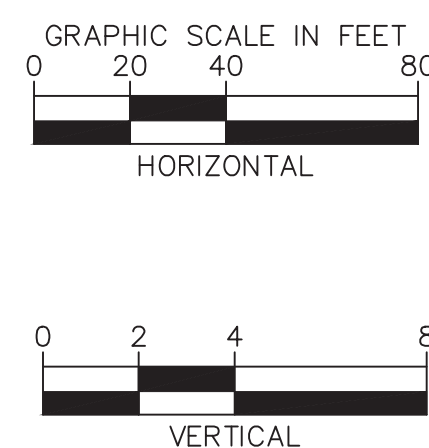
RIP-RAP SECTION

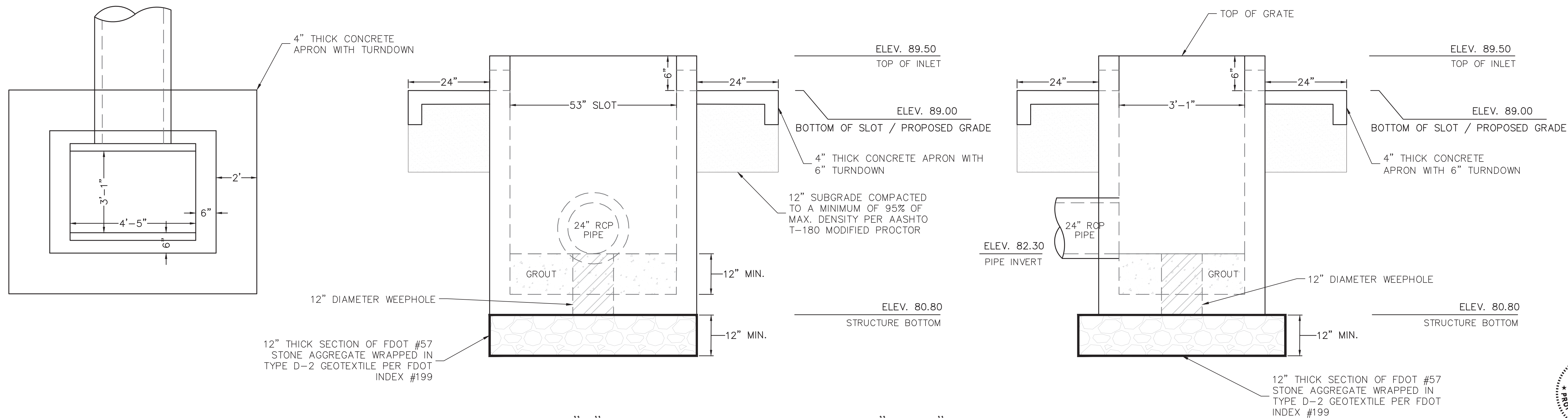


TYPICAL POND SECTION B-B
DRY RETENTION POND



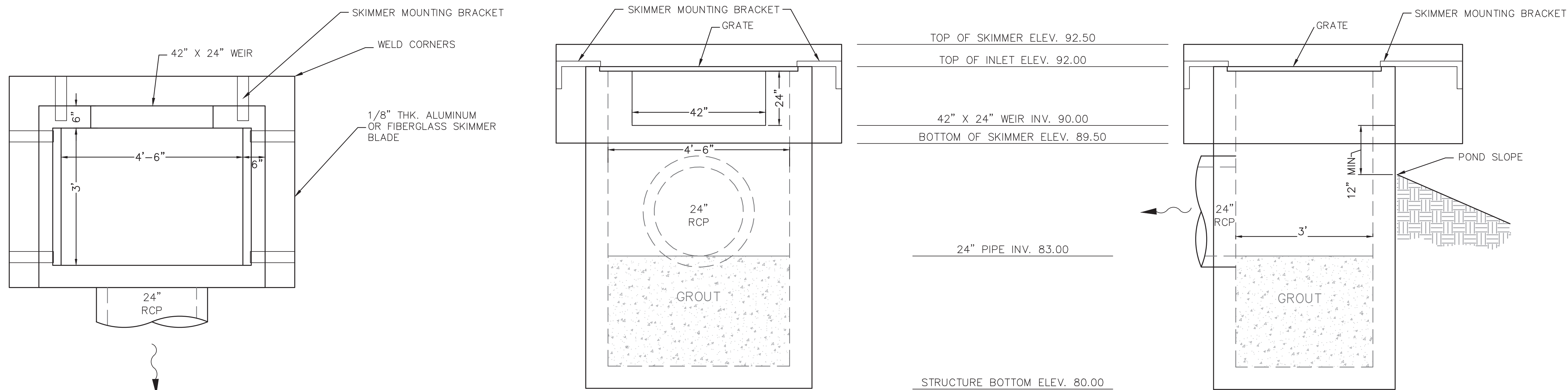
TYPICAL POND SECTION C-C
DRY RETENTION POND

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TYPE "D" – BUBBLE-UP STRUCTURE "BU-1" DETAIL

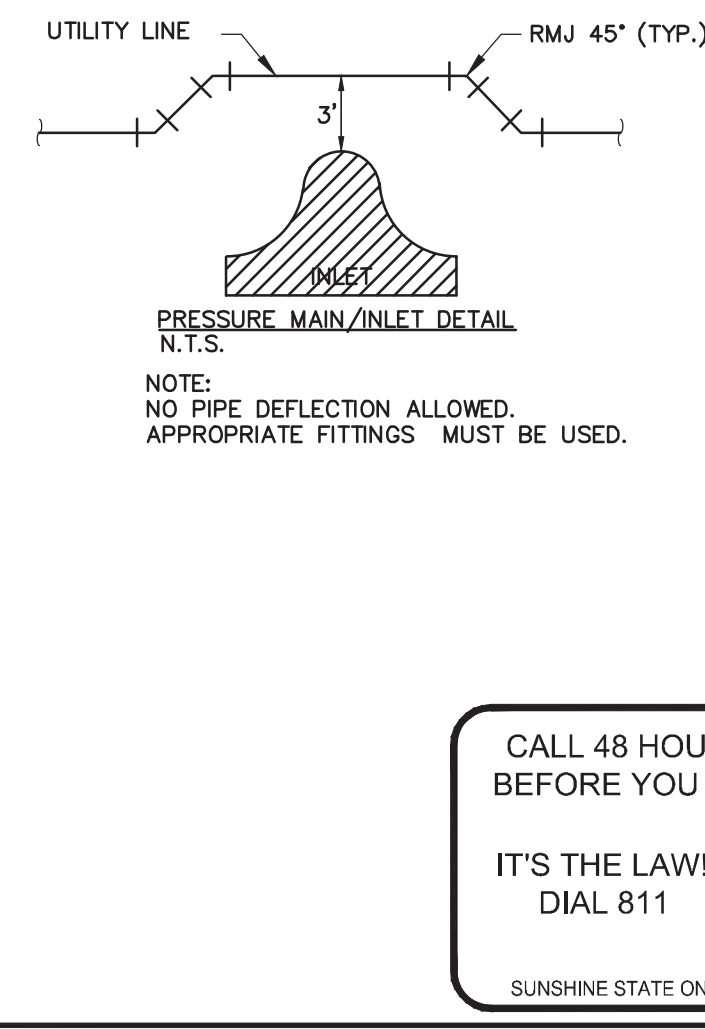
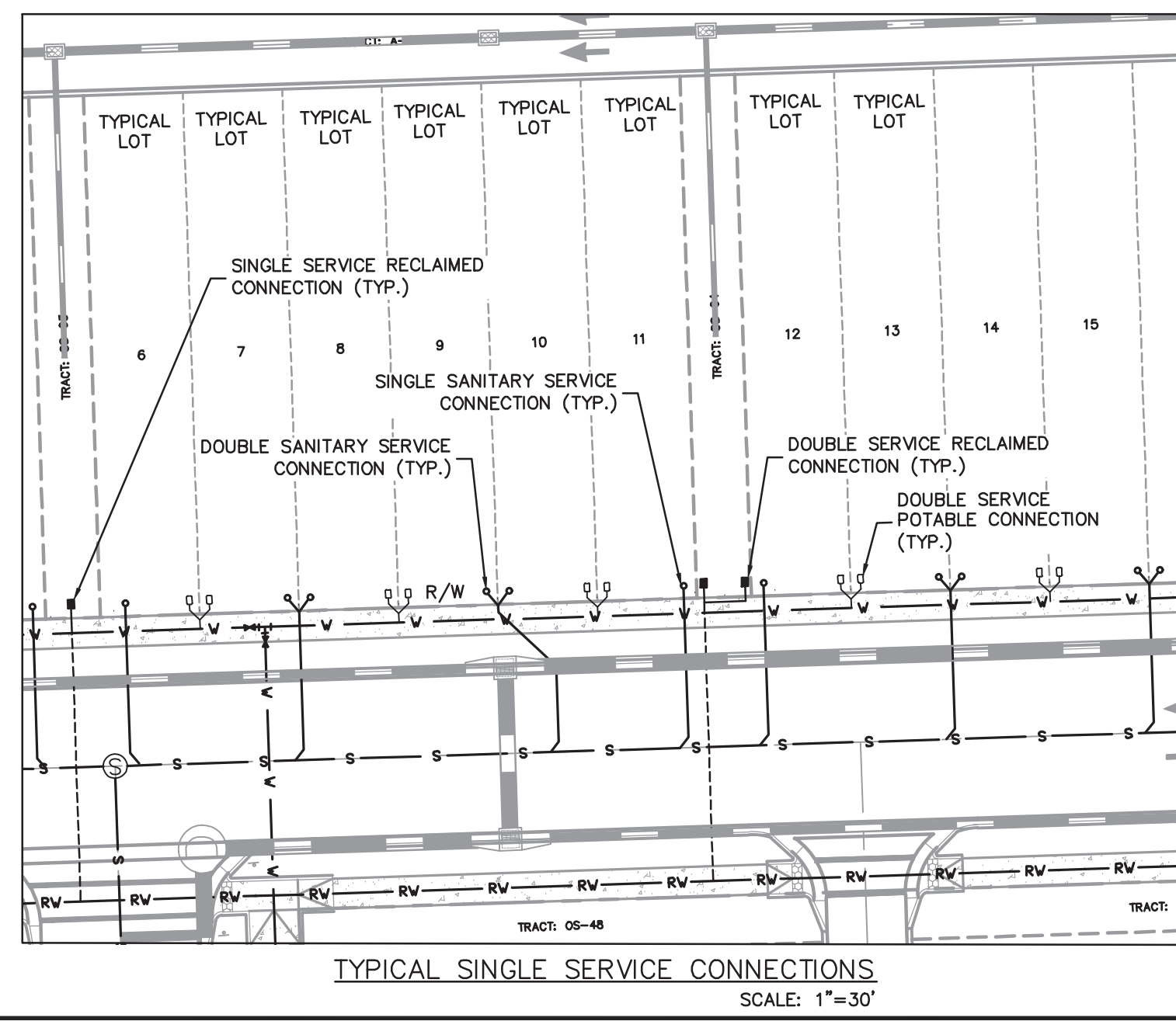
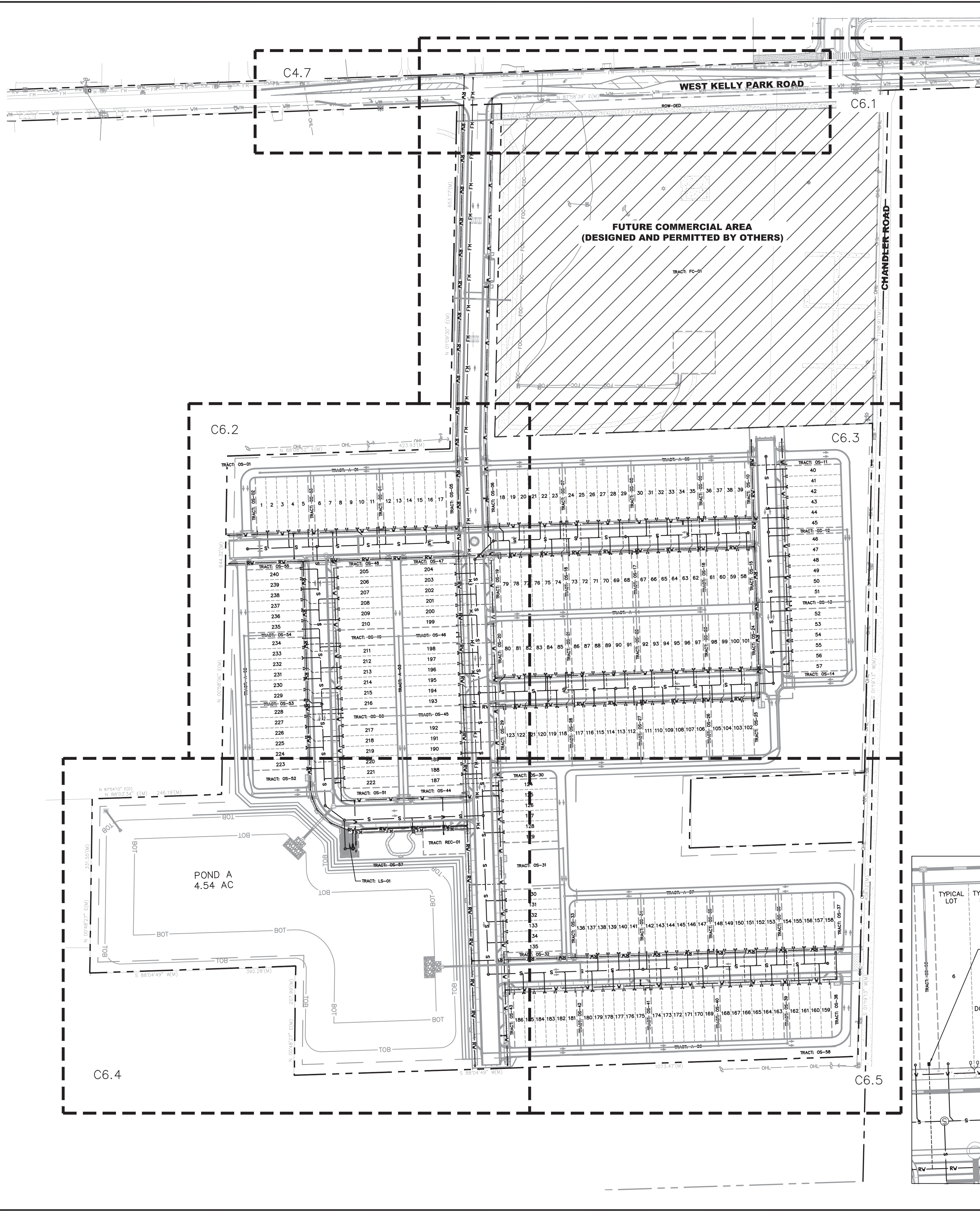
USE F.D.O.T. TYPE "D" INLET PER INDEX #425-052
 DETAIL FOR BUBBLE-UP STRUCTURES
 SEE DRAINAGE PLANS FOR TOPS AND INVERTS
 NTS



TYPE E - CONTROL STRUCTURE "CS-1" DETAIL

USE TYPE "E" DITCH BOTTOM INLET	N.T.S.
F.D.O.T. INDEX NO. 425-052	

[illegible]



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SHEET NUMBER

C6.0

CHANDLER OAKS

OVERALL UTILITY PLAN

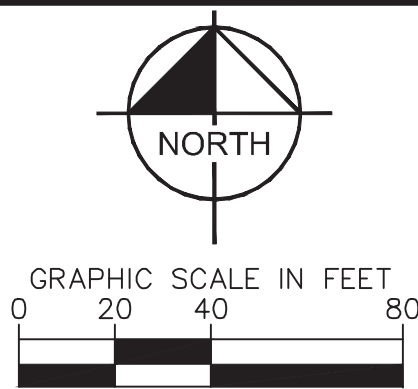
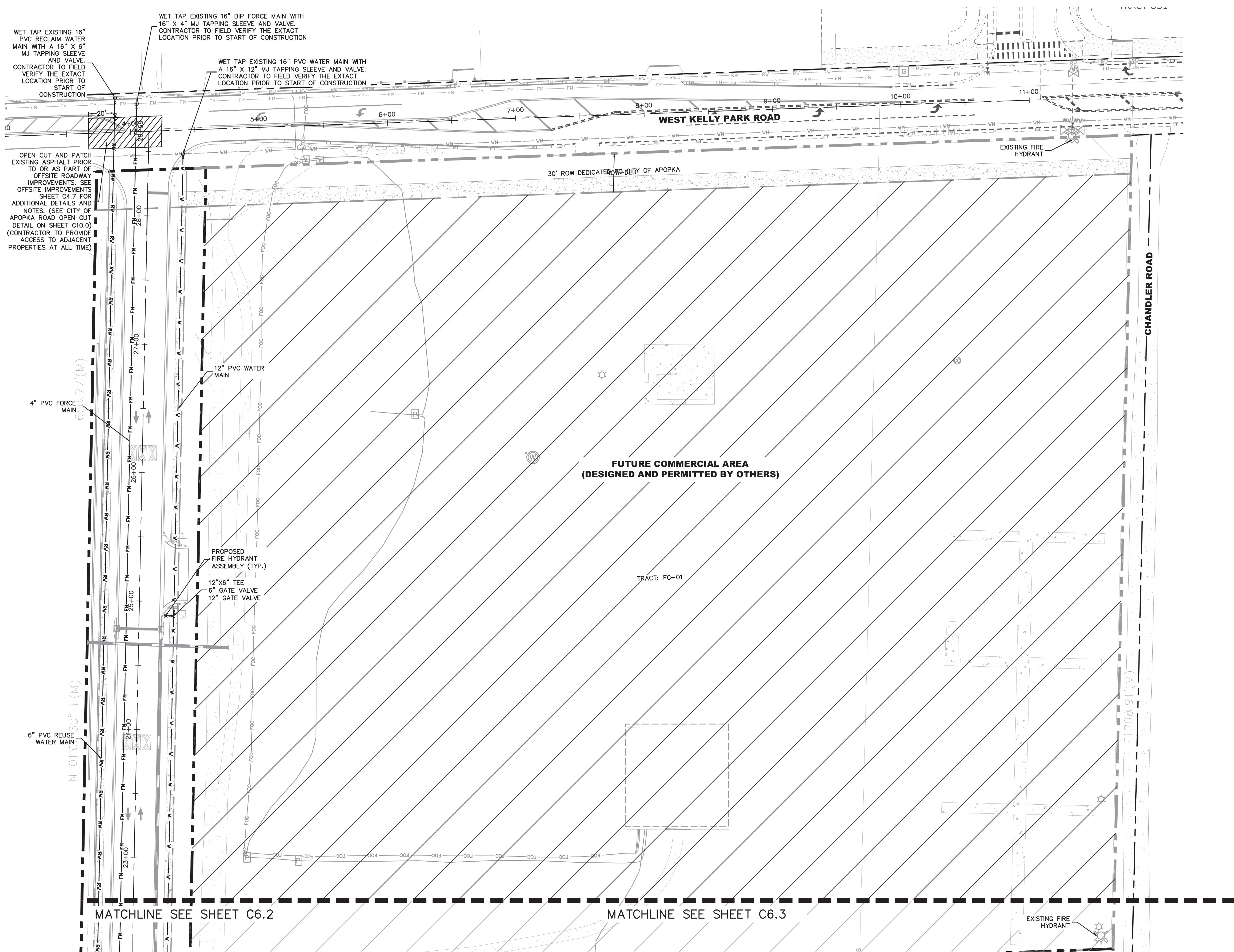
DATE	03/10/2025	SCALE	AS SHOWN	DESIGNED BY	RWG	DRAWN BY	RWG	Digitally signed by Kimley-Horn & Associates, Inc. DN: cn=Kimley-Horn & Associates, o=Kimley-Horn & Associates, ou=Kimley-Horn & Associates, email=Kimley-Horn@KHA.com, c=US © 2025 KIMLEY-HORN AND ASSOCIATES, INC. 200 S ORANGE AVE, SUITE 600, ORLANDO, FL 32801 PHONE: 407-888-1511 WWW.KIMLEY-HORN.COM REGISTRATION NO. 35106
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BRIAN S. ASHBY
LICENSE
NO. 80456
STATE OF FLORIDA
PROFESSIONAL ENGINEER

P.E. NUMBER _____
DATE: 03/1/2025
SIGNATURE _____

Digitaly signed by Brian S. Ashby
DN: cn=Brian S. Ashby,
o=Professional Engineers Board of
Florida, ou=Professional Engineers
Board of Florida, email=brian@peboard.org,
c=US

SHEET NUMBER	C6.0	CHANDLER OAKS	OVERALL UTILITY PLAN
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LEGEND

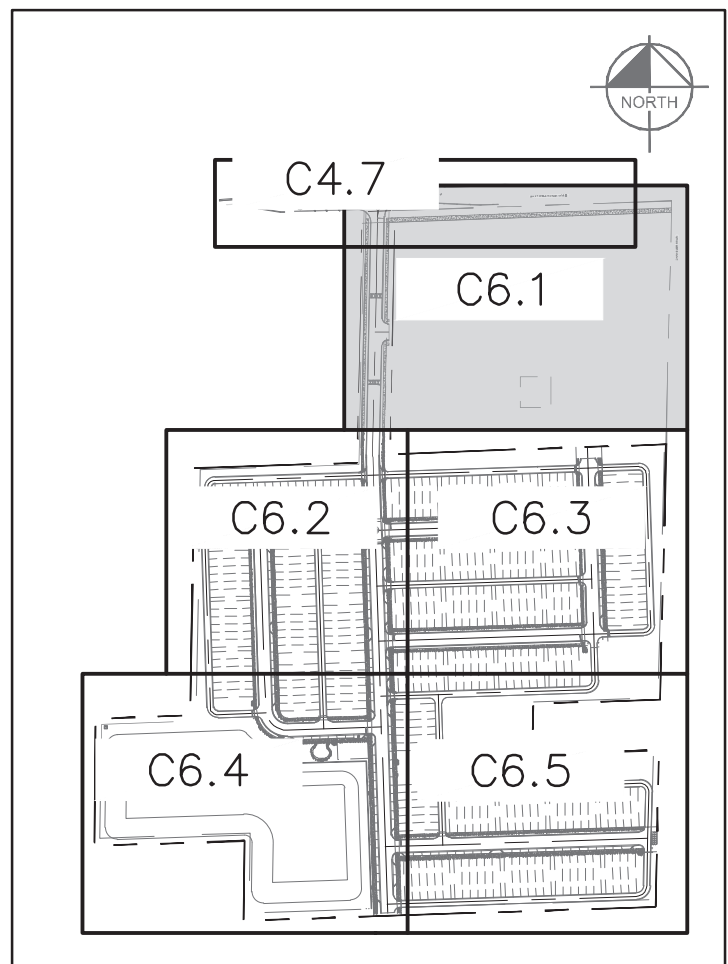
- PROPERTY BOUNDARY
- EXISTING WATER MAIN
- EXISTING REUSE WATER MAIN
- EXISTING FORCE MAIN
- EXISTING GAS MAIN
- EXISTING SANITARY LINE
- PROPOSED WATER LINE
- PROPOSED RECLAIMED WATER LINE
- PROPOSED FIRE HYDRANT
- PROPOSED SANITARY SEWER MAIN
- PROPOSED FORCE MAIN
- PROPOSED SANITARY MANHOLE
- PROPOSED STORM PIPE
- PROPOSED STORM INLET
- PROPOSED STORM MANHOLE
- PROPOSED TRANSFORMER
- PROPOSED GATE VALVE
- FUTURE COMMERCIAL AREA (DESIGNED AND PERMITTED BY OTHERS)
- OPEN CUT AREA

NOTES:

- ALL FIRE HYDRANTS (TYP.) MUST MAINTAIN 36" CLEAR AROUND.
- FIRE HYDRANTS (TYP.) SHALL BE MARKED WITH BLUE ROAD REFLECTORS.
- THE PROPOSED FIRE AND LIFE SAFETY SYSTEMS SHALL FOLLOW CURRENT NFPA AND FLORIDA FIRE PREVENTION CODE 8TH EDITION.

AVERAGE DAILY DEMAND:

POTABLE WATER: 84,000 GPD (240 DUs x 350 GPD/UNIT)
WASTEWATER: 72,000 GPD (240 DUs x 300 GPD/UNIT)



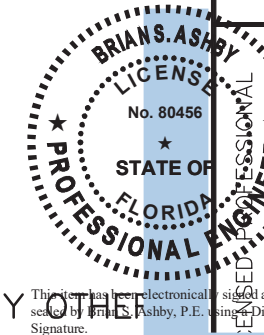
KEY MAP
SCALE: 1" = 500'

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PHONE: 407-898-1511
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Bryan S. Ashby
P.E.
03/10/2025

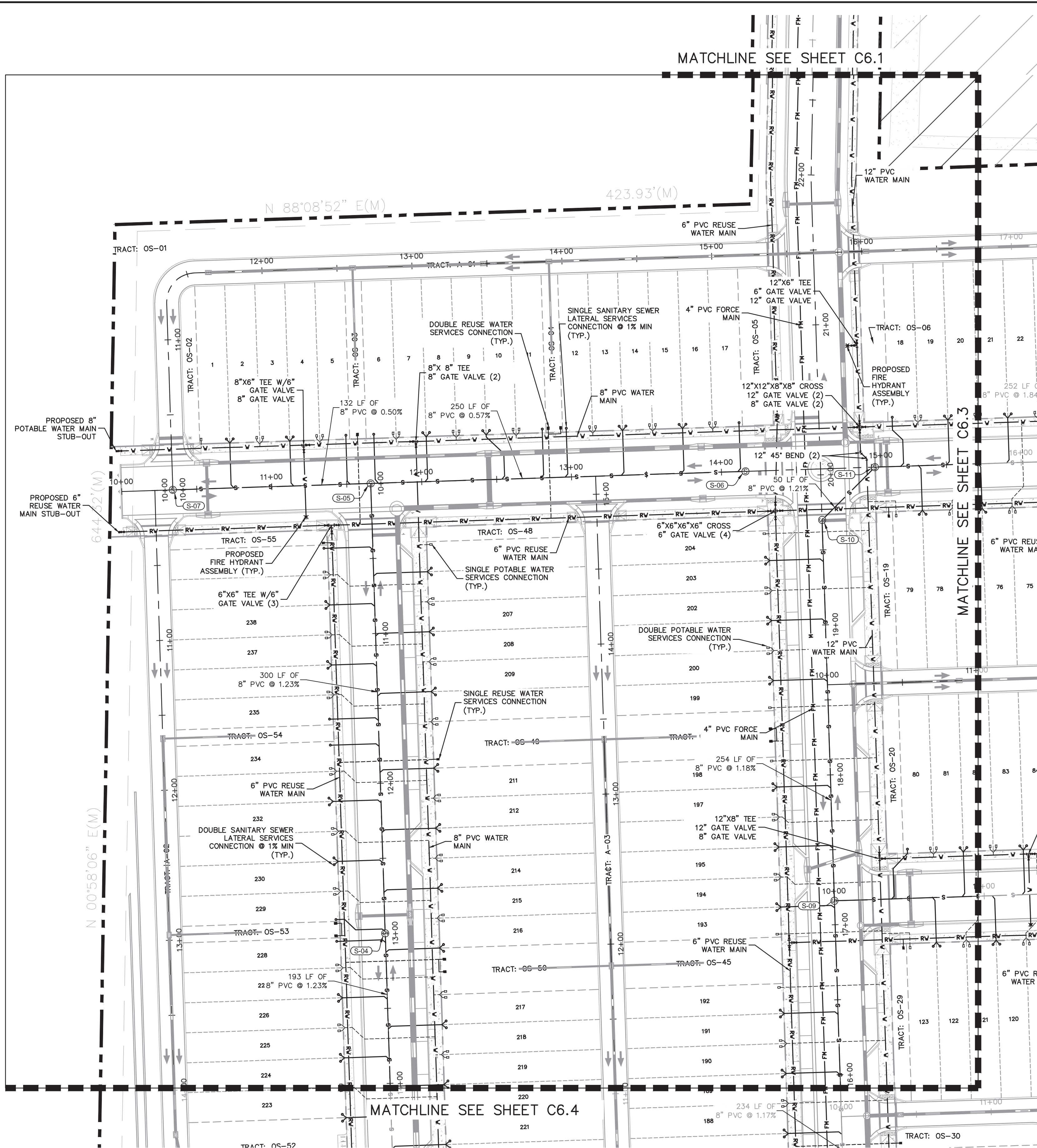
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DATE	03/10/2025
SCALE	AS SHOWN
DESIGNED BY	RMG
DRAWN BY	RMG
CHECKED BY	BSA

UTILITY PLAN

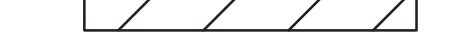
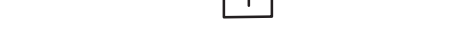
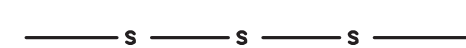
CHANDLER OAKS

SHEET NUMBER
C6.1

BY	DATE	REVISIONS
No.		



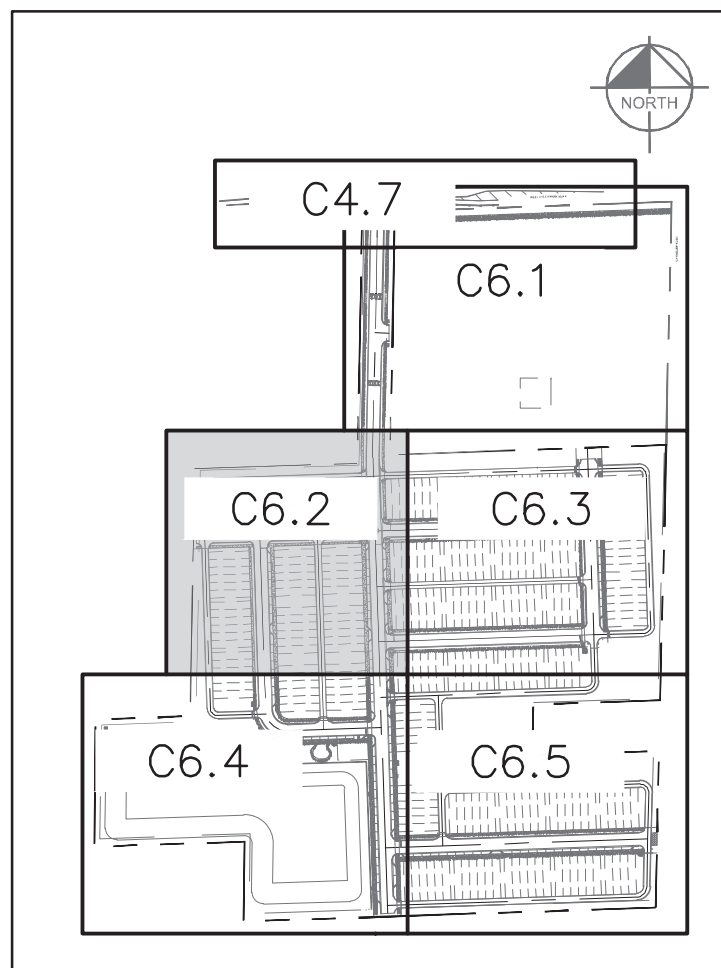
SANITARY SEWER STRUCTURE TABLE		
STRUCTURE NAME:	DETAILS:	ALIGNMENT:
S-04	SANITARY MANHOLE STA:13+00.00 (0.00) TOP: 112.98 N. INV IN: 103.08 (8" PVC) S. INV OUT: 102.98 (8" PVC)	ROAD B
S-05	SANITARY MANHOLE STA:11+86.00 (0.00) TOP: 115.43 E. INV IN: 106.97 (8" PVC) W. INV IN: 106.97 (8" PVC) S. INV OUT: 106.77 (8" PVC)	ROAD A
S-06	SANITARY MANHOLE STA:14+16.00 (0.00) TOP: 114.55 W. INV OUT: 108.40 (8" PVC)	ROAD A
S-07	SANITARY MANHOLE STA:10+33.99 (0.00) TOP: 113.48 E. INV OUT: 107.63 (8" PVC)	ROAD A
S-09	SANITARY MANHOLE STA:17+15.98 (0.00) TOP: 113.27 E. INV IN: 104.14 (8" PVC) N. INV IN: 104.14 (8" PVC) S. INV OUT: 103.94 (8" PVC)	BLVD A
S-10	SANITARY MANHOLE STA:19+69.96 (0.00) TOP: 115.18 NE. INV IN: 107.33 (8" PVC) S. INV OUT: 107.13 (8" PVC)	BLVD A
S-11	SANITARY MANHOLE STA:15+02.29 (0.00) TOP: 115.34 E. INV IN: 108.13 (8" PVC) SW. INV OUT: 107.93 (8" PVC)	ROAD A



- NOTES:**
1. ALL FIRE HYDRANTS (TYP.) MUST MAINTAIN 36" CLEAR AROUND.
 2. FIRE HYDRANTS (TYP.) SHALL BE MARKED WITH BLUE ROAD REFLECTORS.
 3. THE PROPOSED FIRE AND LIFE SAFETY SYSTEMS SHALL FOLLOW CURRENT NFPA AND FLORIDA FIRE PREVENTION CODE 8TH EDITION.

AVERAGE DAILY DEMAND:

POTABLE WATER:	84,000 GPD	(240 DUs x 350 GPD/UNIT)
WASTEWATER:	72,000 GPD	(240 DUs x 300 GPD/UNIT)



KEY MAP
SCALE: 1" = 500'

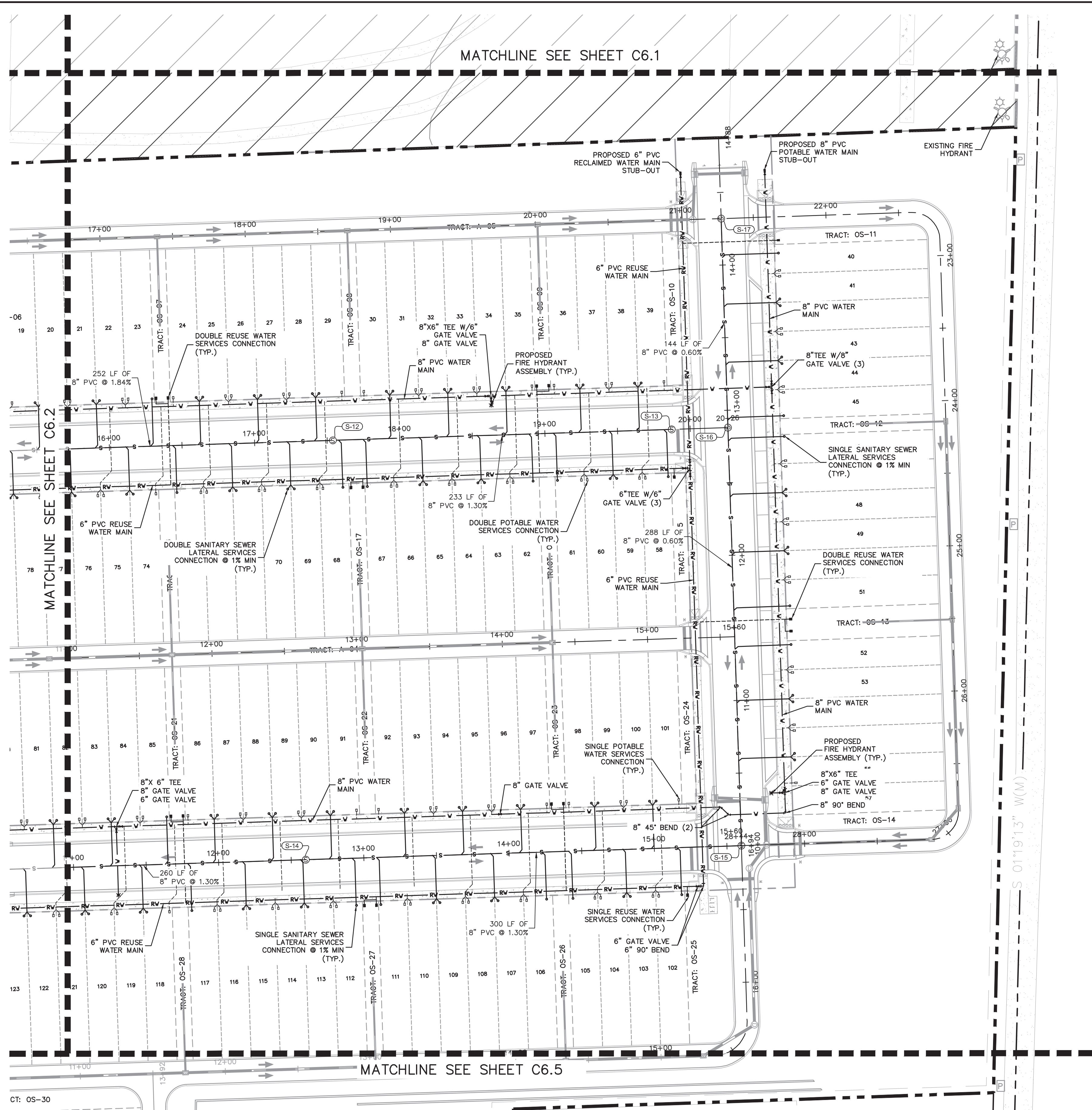
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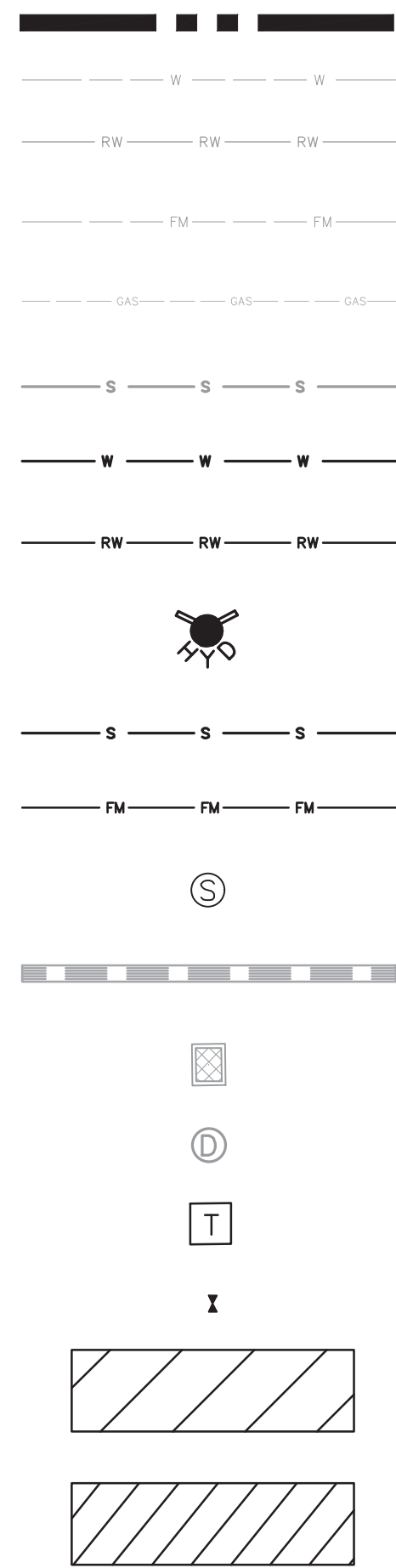
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SUNSHINE STATE ONE CALL OF FLORIDA, INC.





SANITARY SEWER STRUCTURE TABLE		
STRUCTURE NAME:	DETAILS:	ALIGNMENT:
S-12	SANITARY MANHOLE STA:17+53.95 (0.00) TOP: 118.58 E. INV IN: 112.86 (8" PVC) W. INV OUT: 112.75 (6" PVC)	ROAD A
S-13	SANITARY MANHOLE STA:19+87.32 (0.00) TOP: 121.58 W. INV OUT: 115.89 (6" PVC)	ROAD A
S-14	SANITARY MANHOLE STA:12+60.00 (0.00) TOP: 116.05 E. INV IN: 107.63 (8" PVC) W. INV OUT: 107.53 (6" PVC)	ROAD C
S-15	SANITARY MANHOLE STA:16+94.13 (0.00) TOP: 119.99 N. INV IN: 111.74 (8" PVC) W. INV OUT: 111.54 (6" PVC)	ALLEY G
S-16	SANITARY MANHOLE STA:12+88.00 (0.00) TOP: 122.15 N. INV IN: 113.57 (8" PVC) S. INV OUT: 113.47 (8" PVC)	ROAD D
S-17	SANITARY MANHOLE STA:14+32.00 (0.00) TOP: 120.15 S. INV OUT: 114.44 (8" PVC)	ROAD D

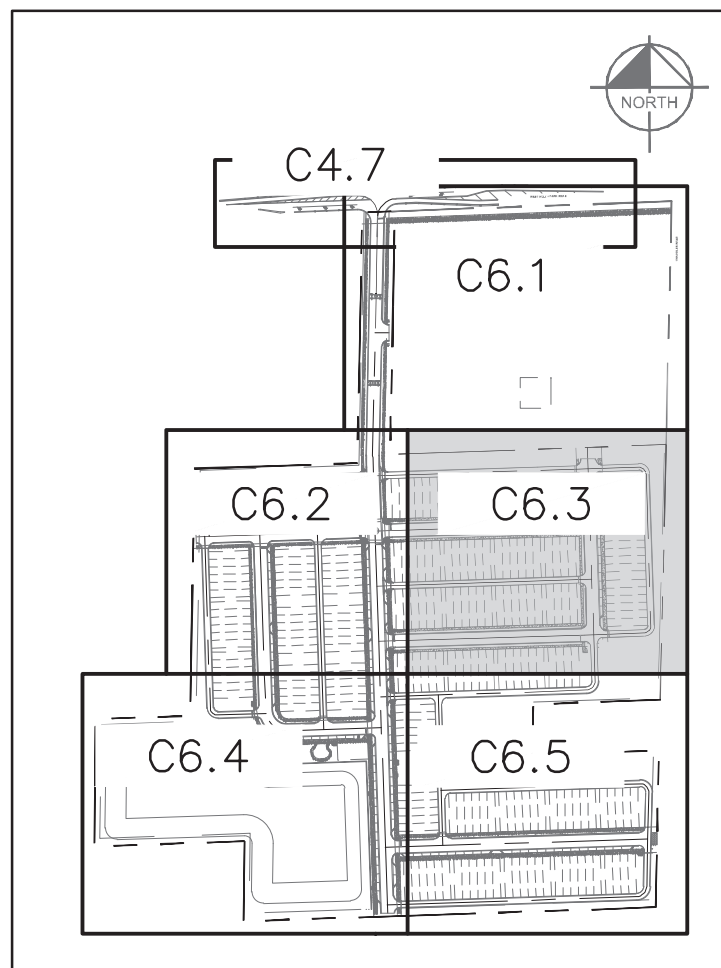


- NOTES:

1. ALL FIRE HYDRANTS (TYP.) MUST MAINTAIN 36" CLEAR AROUND.
2. FIRE HYDRANTS (TYP.) SHALL BE MARKED WITH BLUE ROAD REFLECTORS.
3. THE PROPOSED FIRE AND LIFE SAFETY SYSTEMS SHALL FOLLOW CURRENT NFPA AND FLORIDA FIRE PREVENTION CODE 8TH EDITION.

AVERAGE DAILY DEMAND:

POTABLE WATER:	84,000 GPD	(240 DUs x 350 GPD/UNIT)
WASTEWATER:	72,000 GPD	(240 DUs x 300 GPD/UNIT)



KEY MAP
SCALE: 1" = 500'

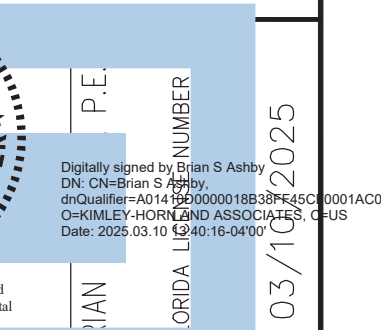
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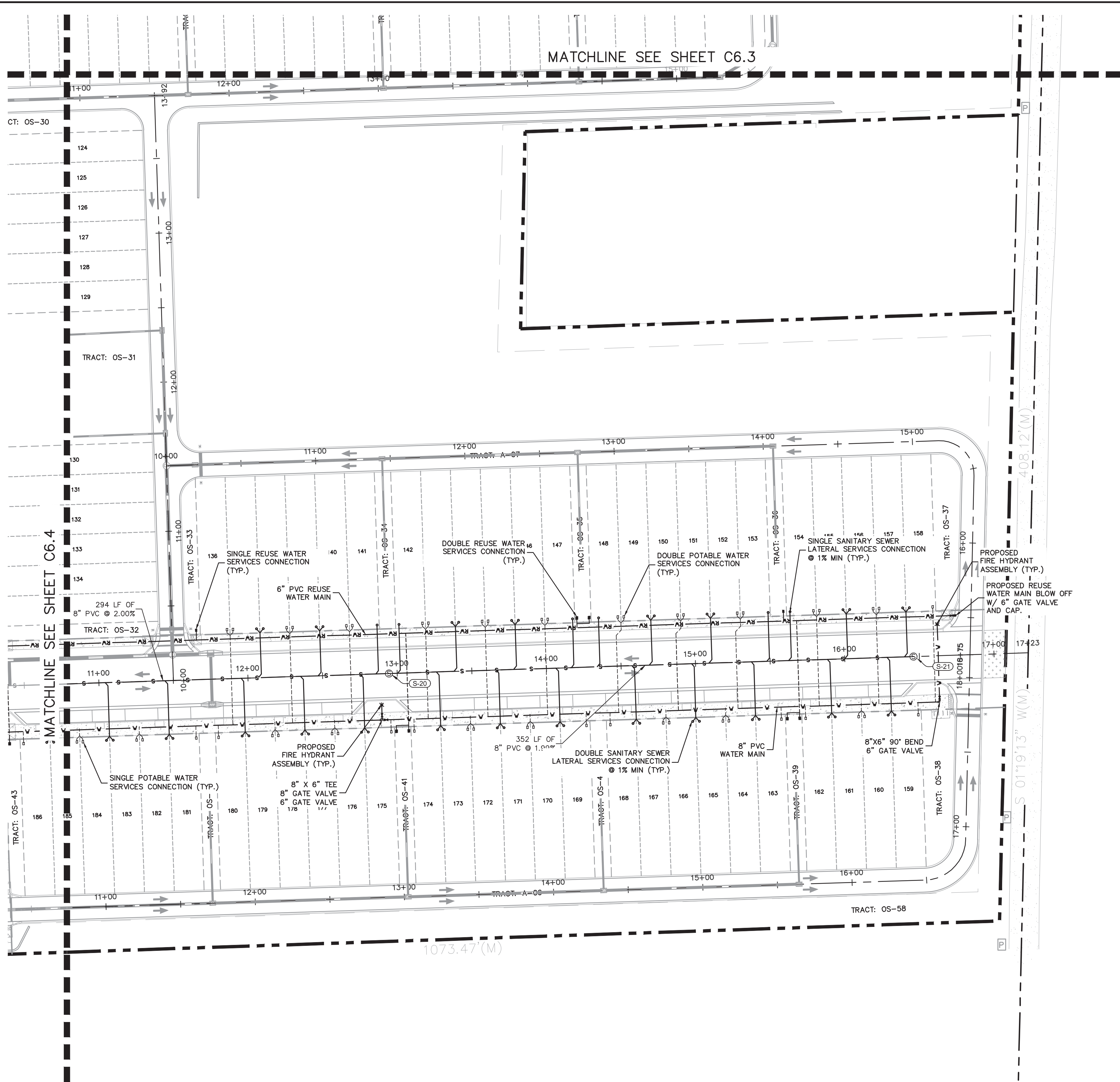




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K-H PROJECT	DATE
249490000	03/10/2025
SCALE	AS SHOWN
DESIGNED BY	RMG
DRAWN BY	RMG
CHECKED BY	BSA

CITY OF APOPKA



SANITARY SEWER STRUCTURE TABLE		
STRUCTURE NAME:	DETAILS:	ALIGNMENT:
S-20	SANITARY MANHOLE STA:12+94.49 (0.00) TOP: 114.32 E. INV IN: 108.60 (8" PVC) W. INV OUT: 108.50 (8" PVC)	ROAD E
S-21	SANITARY MANHOLE STA:16+46.04 (0.00) TOP: 121.27 W. INV OUT: 115.58 (8" PVC)	ROAD E

LEGEND

GRAPHIC SCALE IN FEET
0 20 40 80

PROPERTY BOUNDARY

EXISTING WATER MAIN

EXISTING REUSE WATER MAIN

EXISTING FORCE MAIN

EXISTING GAS MAIN

EXISTING SANITARY LINE

PROPOSED WATER LINE

PROPOSED RECLAIMED WATER LINE

PROPOSED FIRE HYDRANT

PROPOSED SANITARY SEWER MAIN

PROPOSED FORCE MAIN

PROPOSED SANITARY MANHOLE

PROPOSED STORM PIPE

PROPOSED STORM INLET

PROPOSED STORM MANHOLE

PROPOSED TRANSFORMER

PROPOSED GATE VALVE

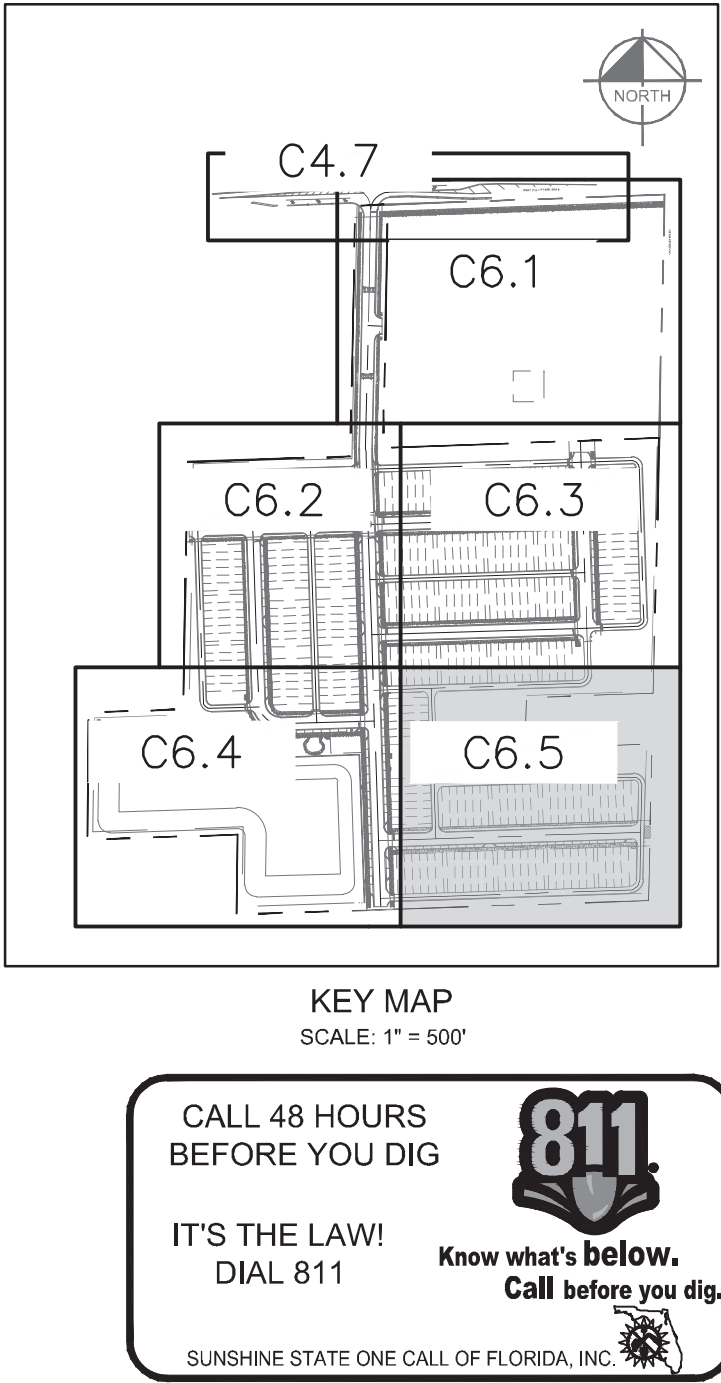
**FUTURE COMMERCIAL AREA
(DESIGNED AND PERMITTED BY OTHER AGENCIES)**

OPEN CUT AREA

- NOTES:**
1. ALL FIRE HYDRANTS (TYP.) MUST MAINTAIN 36" CLEAR AROUND.
 2. FIRE HYDRANTS (TYP.) SHALL BE MARKED WITH BLUE ROAD REFLECTORS.
 3. THE PROPOSED FIRE AND LIFE SAFETY SYSTEMS SHALL FOLLOW CURRENT NFPA AND FLORIDA FIRE PREVENTION CODE 8TH EDITION.

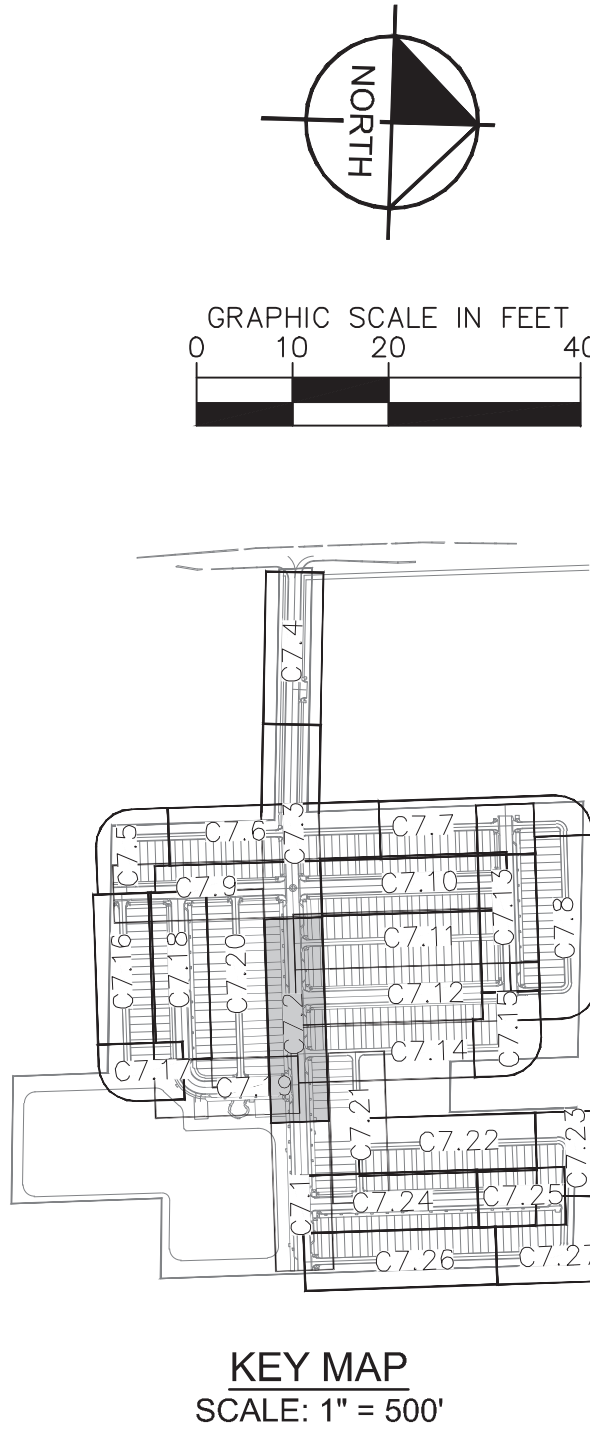
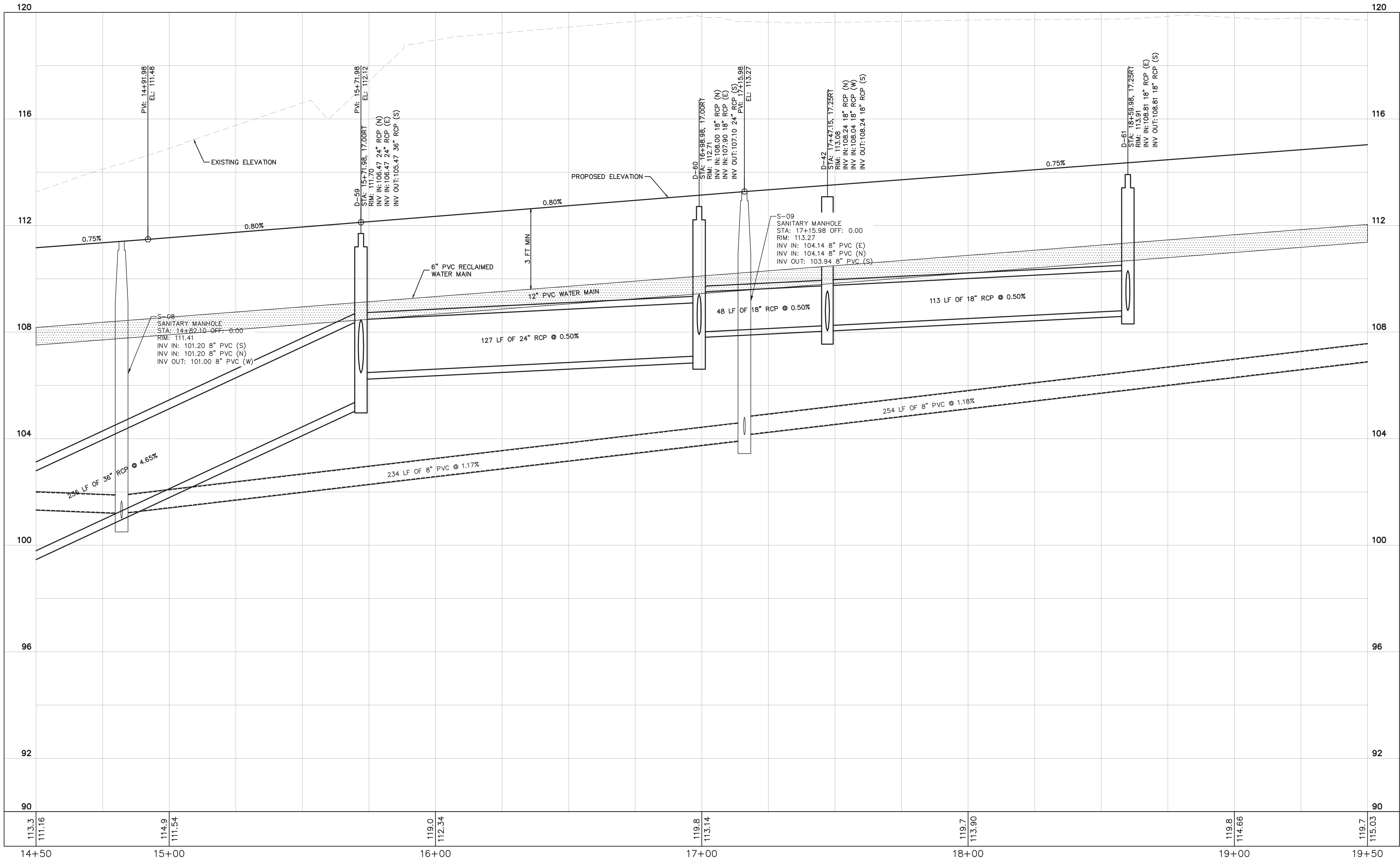
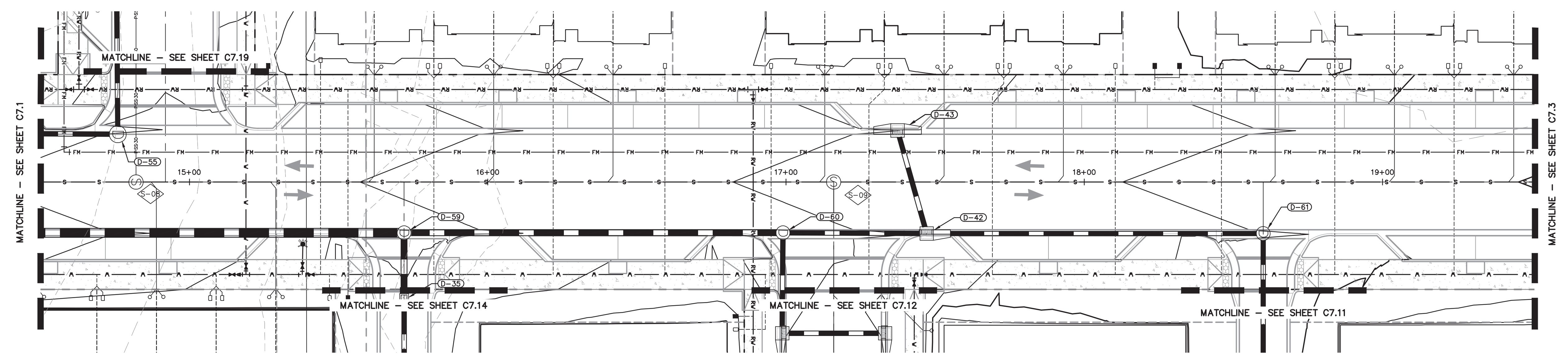
AVERAGE DAILY DEMAND:

POTABLE WATER:	84,000 GPD (240 DUs x 350 GPD/UNIT)
WASTEWATER:	72,000 GPD (240 DUs x 300 GPD/UNIT)

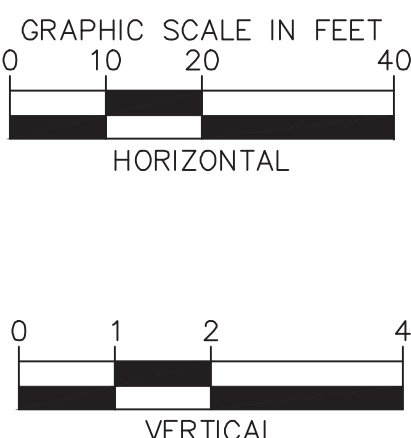


 IN FEET 80			 Kimley-Horn © 2025 KIMLEY-HORN AND ASSOCIATES, INC. 200 S ORANGE AVE. SUITE 600, ORLANDO, FL 32801 PHONE: 407-898-1511 WWW.KIMLEY-HORN.COM REGISTRATION No. 35106	DATE: 03/11/2025	BY: [Signature]	REVISIONS	DATE	BY	
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CHECKED BY BSA		DATE: 03/11/2025		BY: [Signature]		REVISIONS		DATE	

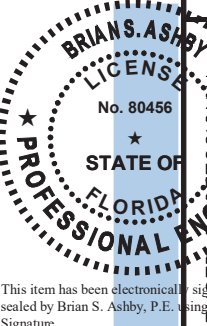
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KEY MAP
SCALE: 1" = 500'



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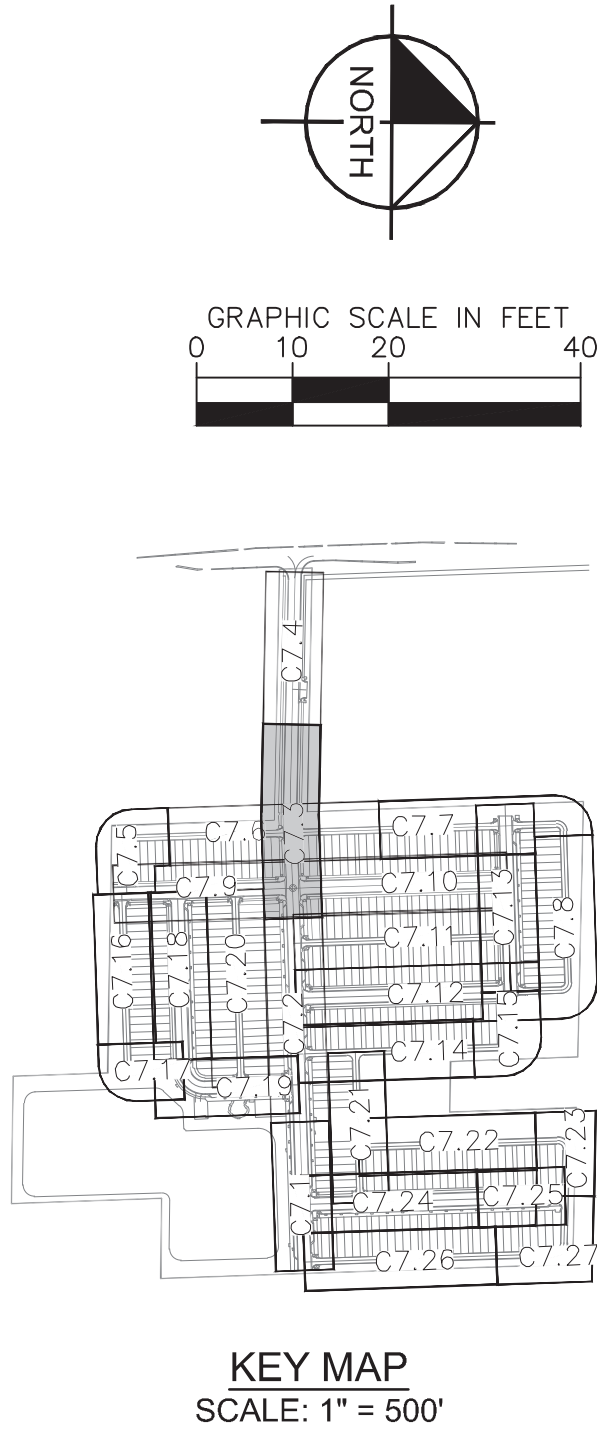
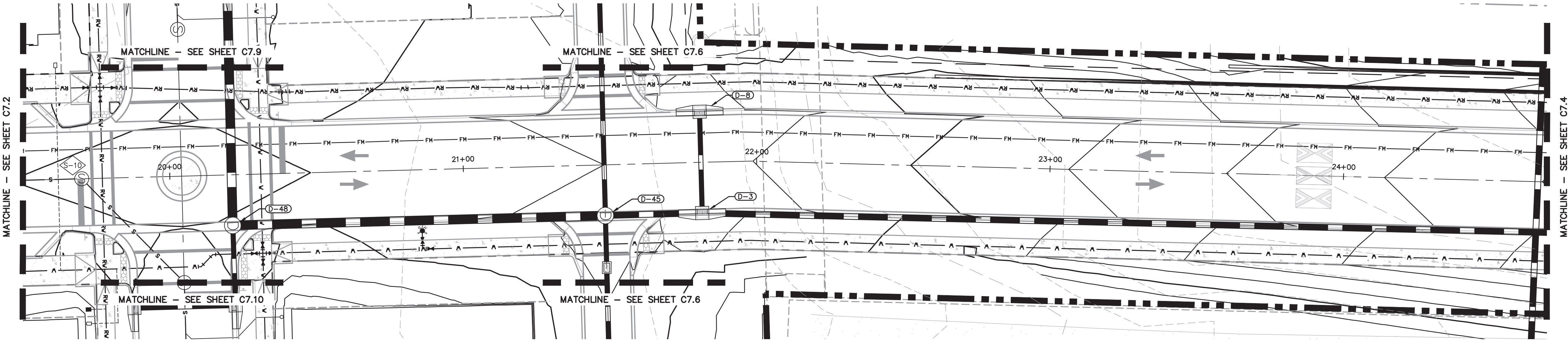
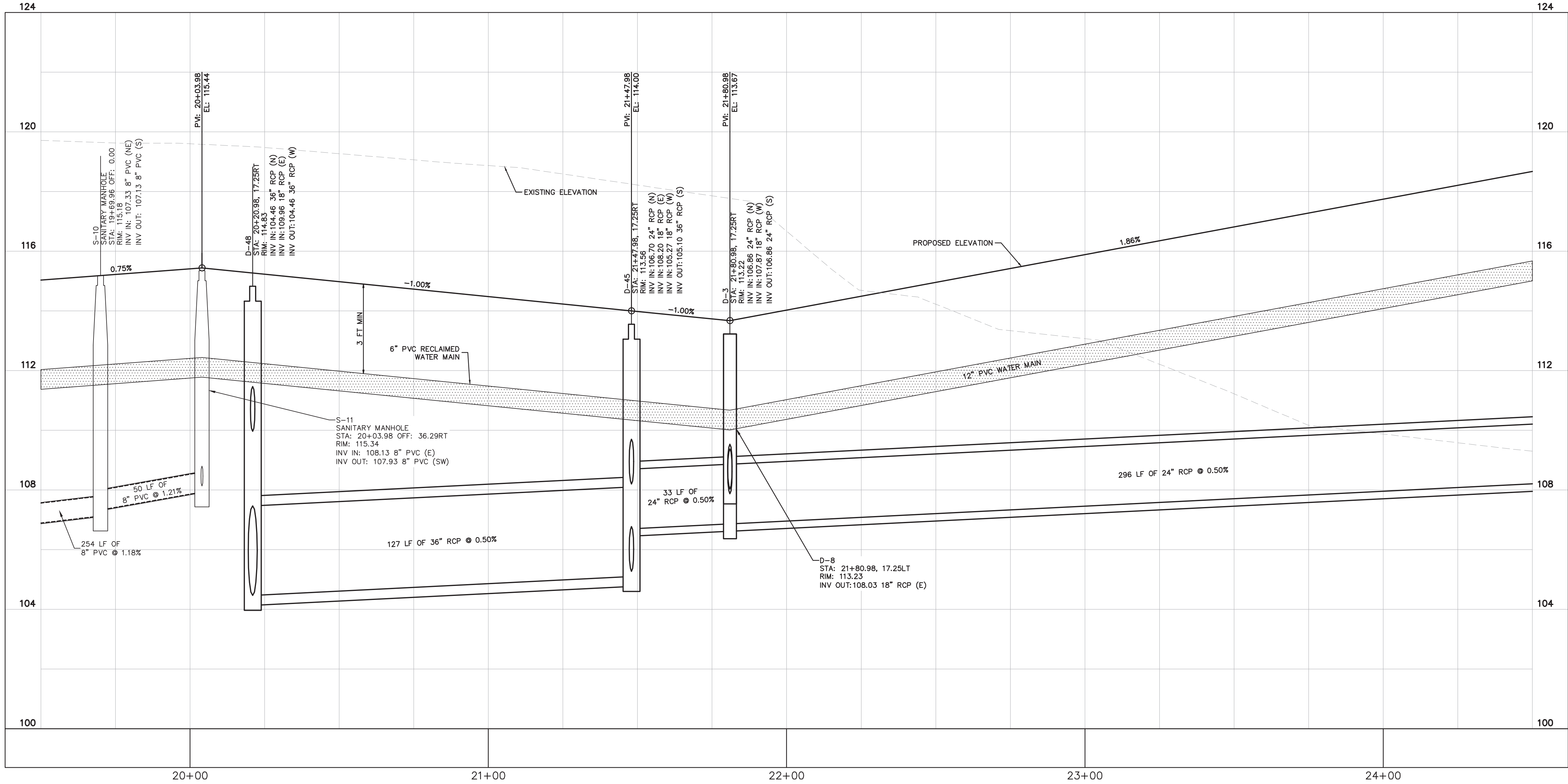
K-H PROJECT	249490000
DATE	03/10/2025
SCALE	AS SHOWN
DESIGNED BY	RMG
DRAWN BY	RMG
CHECKED BY	BSA

BLVD A PLAN &
PROFILE

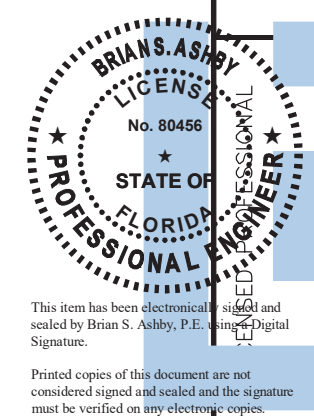
CHANDLER OAKS
FLORIDA

SHEET NUMBER
C7.2

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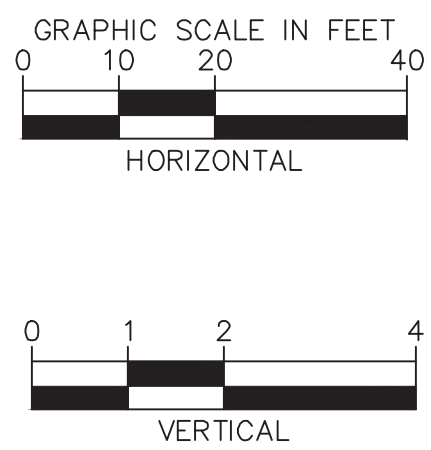
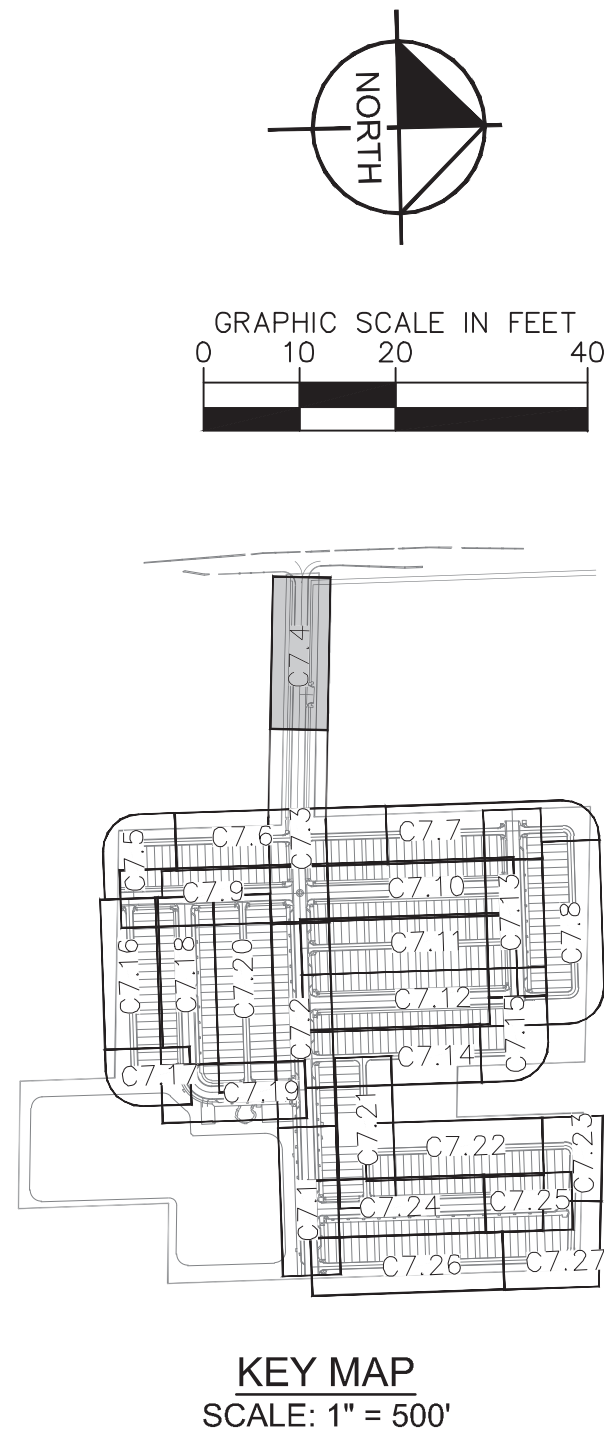
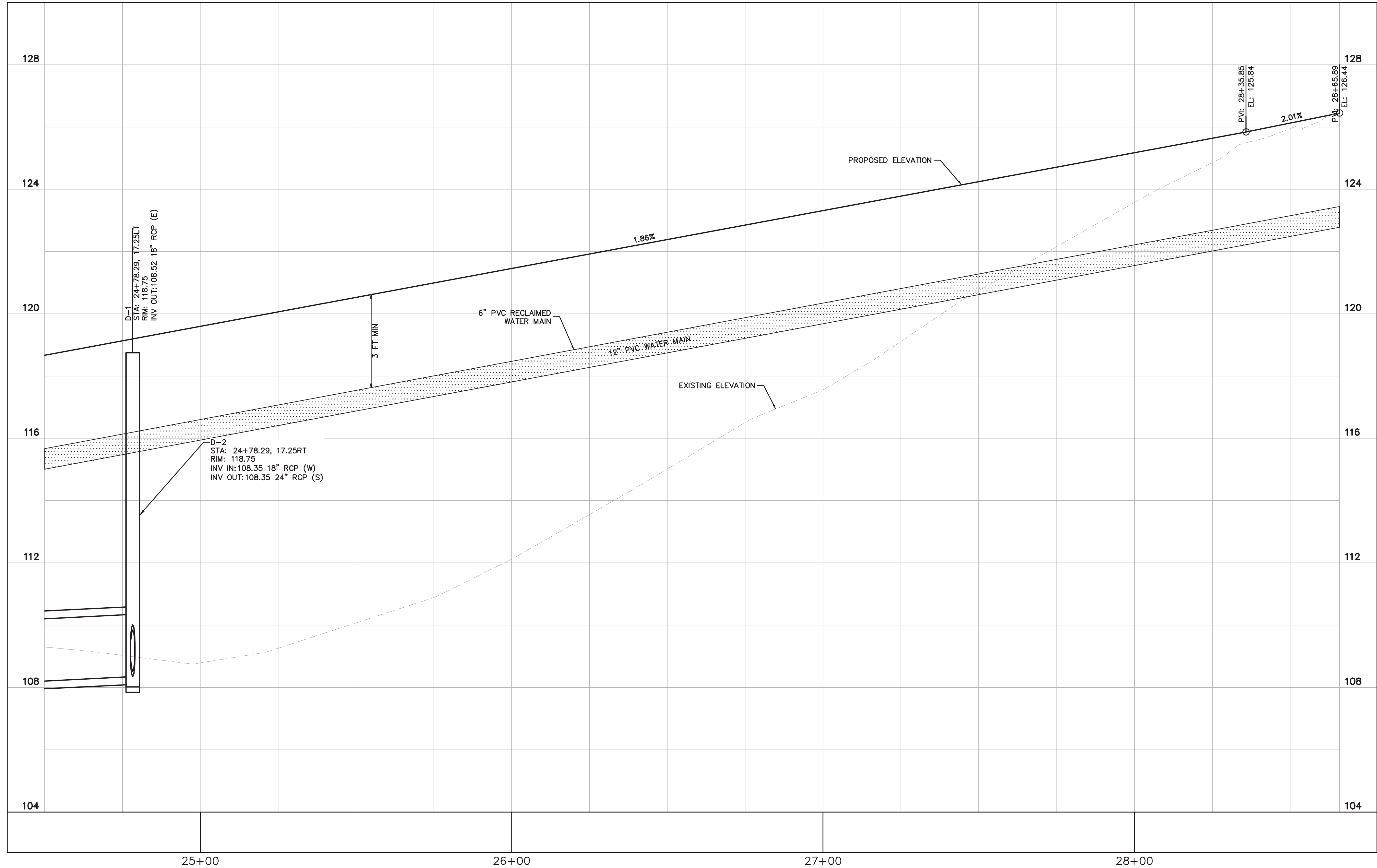
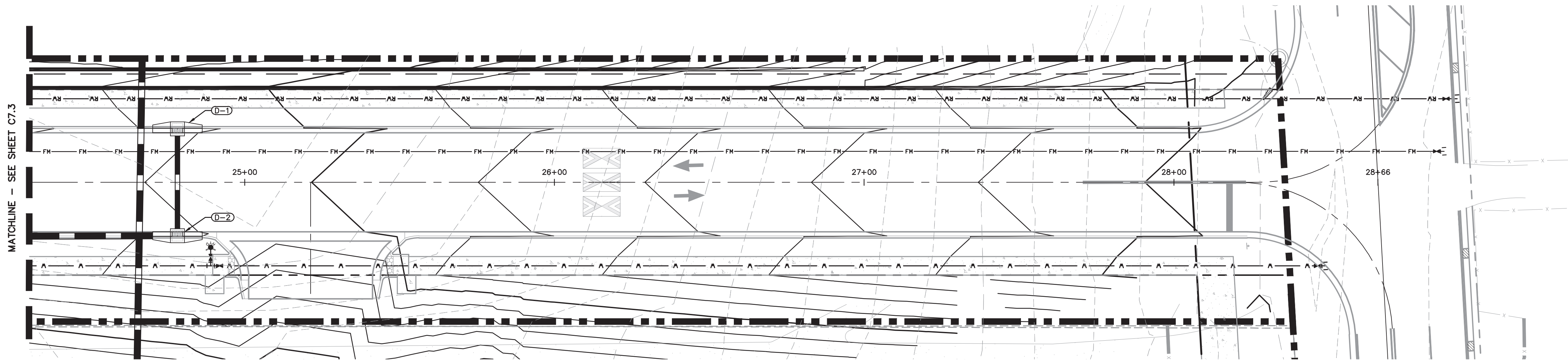
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K-H PROJECT 249490000		DATE 03/10/2025		SCALE AS SHOWN		DESIGNED BY RMG		DRAWN BY RMG		CHECKED BY BSA		DATE 03/11/2025	
CHANDLER OAKS												FLORIDA	
BLVD A PLAN & PROFILE													
SHEET NUMBER C7.3													
CITY OF APOPKA												REVISIONS	
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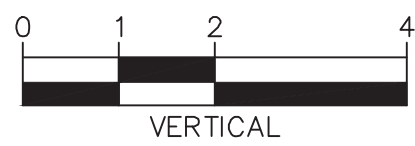
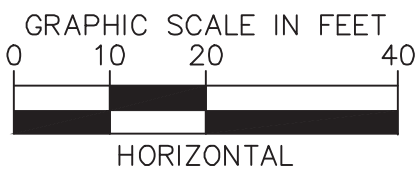
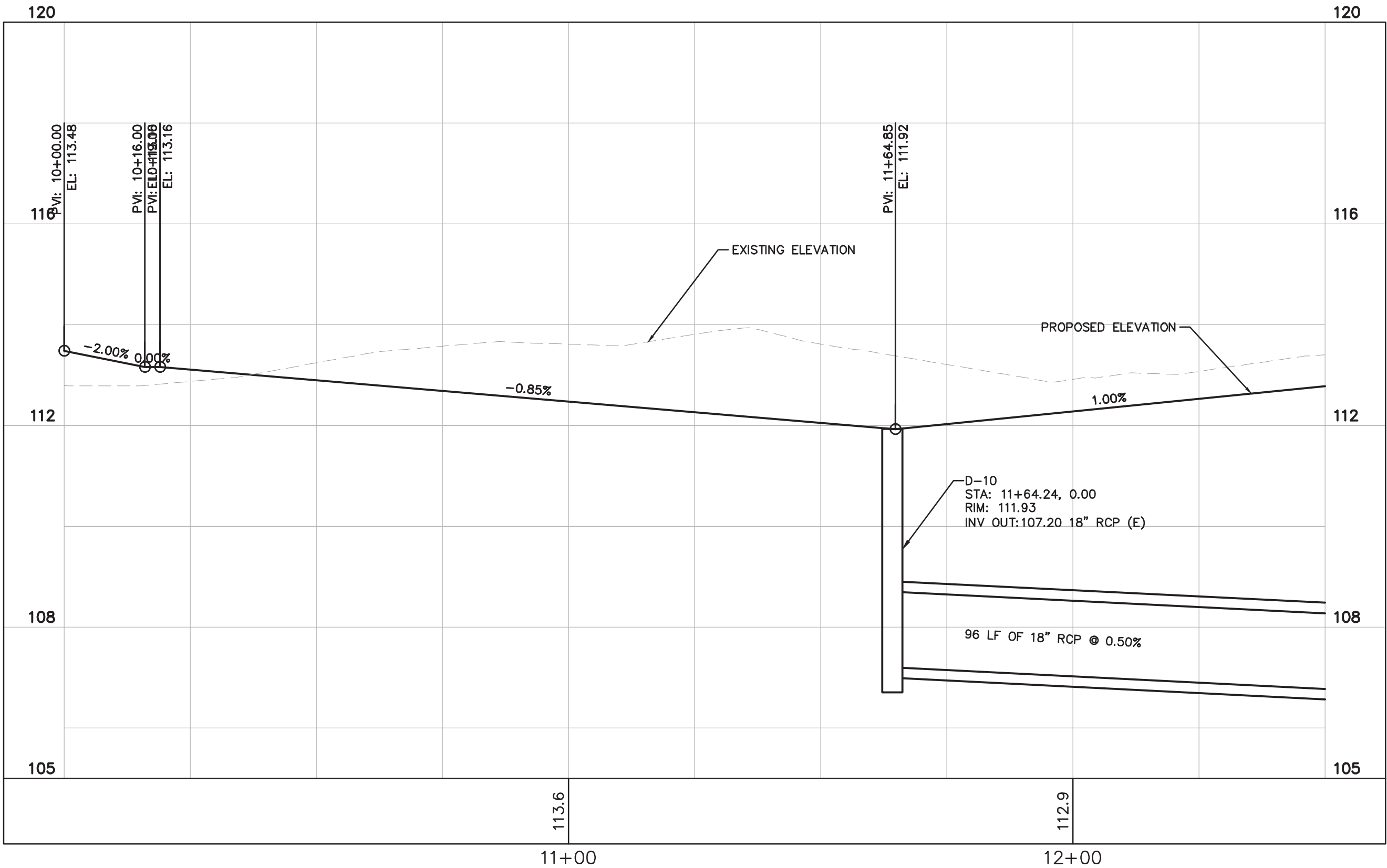
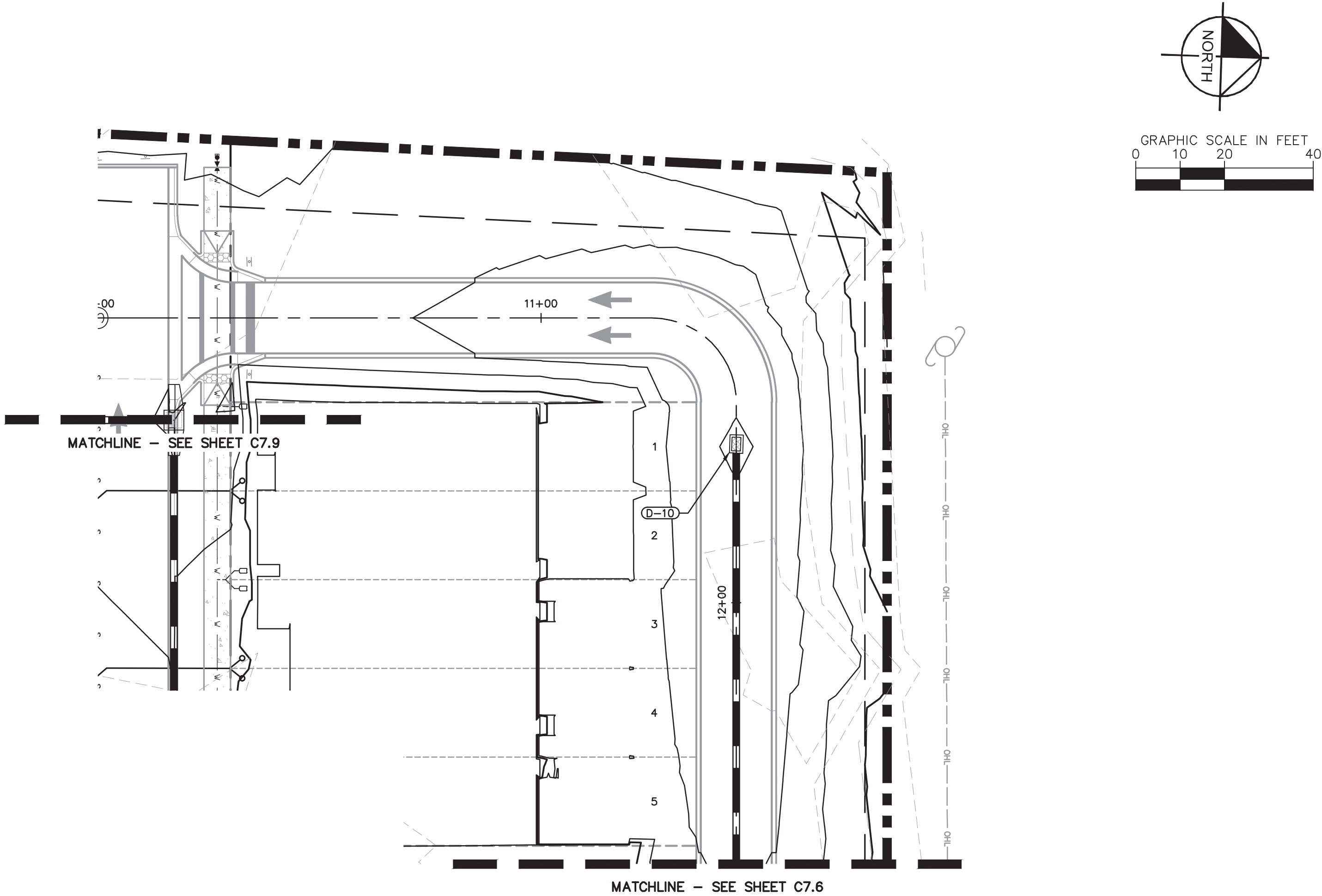
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CITY OF APOPKA	FLORIDA	CHANDLER OAKS	BLVD A PLAN & PROFILE	Kimley»Horn © 2025 KIMLEY-HORN AND ASSOCIATES, INC. 200 S ORANGE AVE., SUITE 600, ORLANDO, FL 32801 PHONE: 407-898-1511 WWW.KIMLEY-HORN.COM	SHEET NUMBER C7.4
K-H PROJECT 249490000	DATE 03/10/2025	SCALE AS SHOWN	DESIGNED BY RMG	DRAWN BY RMG	CHECKED BY BSA
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CHANDLER OAKS

FLORIDA

CITY OF APOPKA

ALLEY ABC PLAN &
PROFILE

ALLEY ABC PLAN &
PROFILE

PROJECT
249490000

DATE
03/10/2025

SCALE
AS SHOWN

DESIGNED BY
RMG

DRAWN BY
RMG

CHECKED BY
BSA

PROFESSIONAL ENGINEER

BRUNN S. ASHBY

FLORIDA

NO. 00486

DATE 03/10/2025

KEY MAP

SCALE: 1" = 500'

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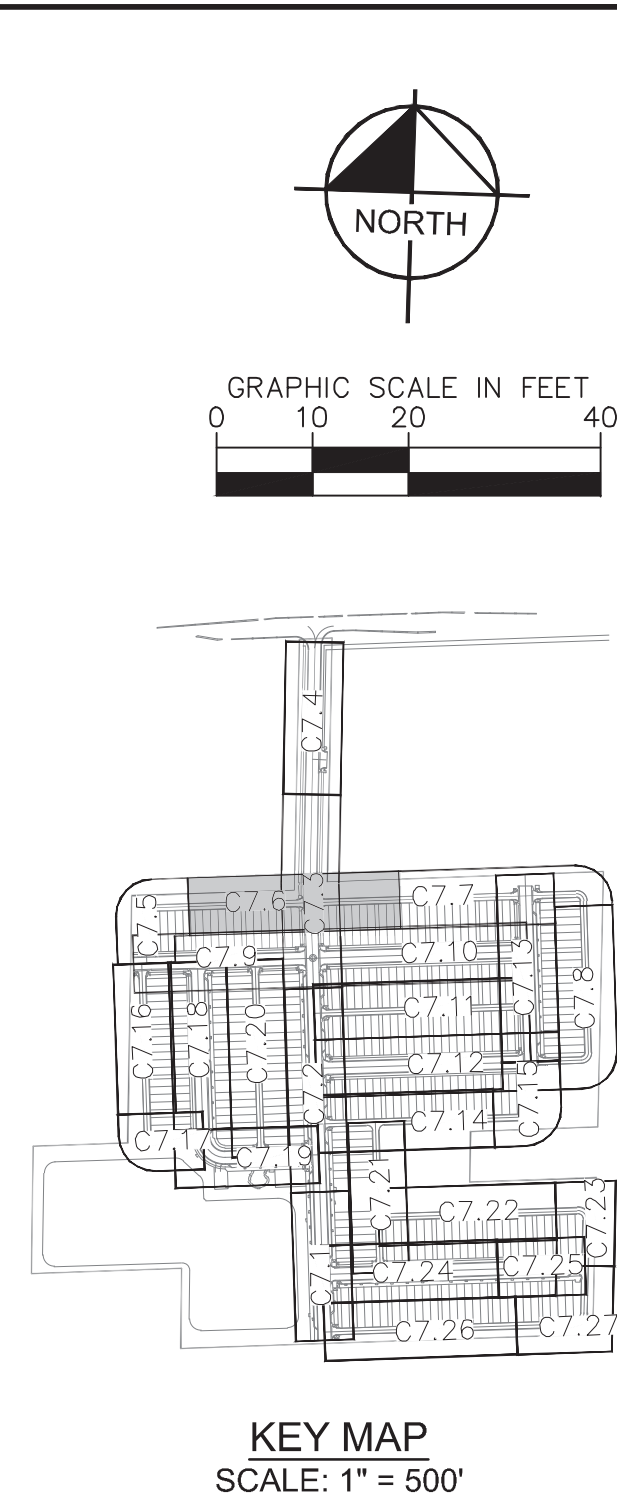
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MATCHLINE - SEE SHEET C7.5

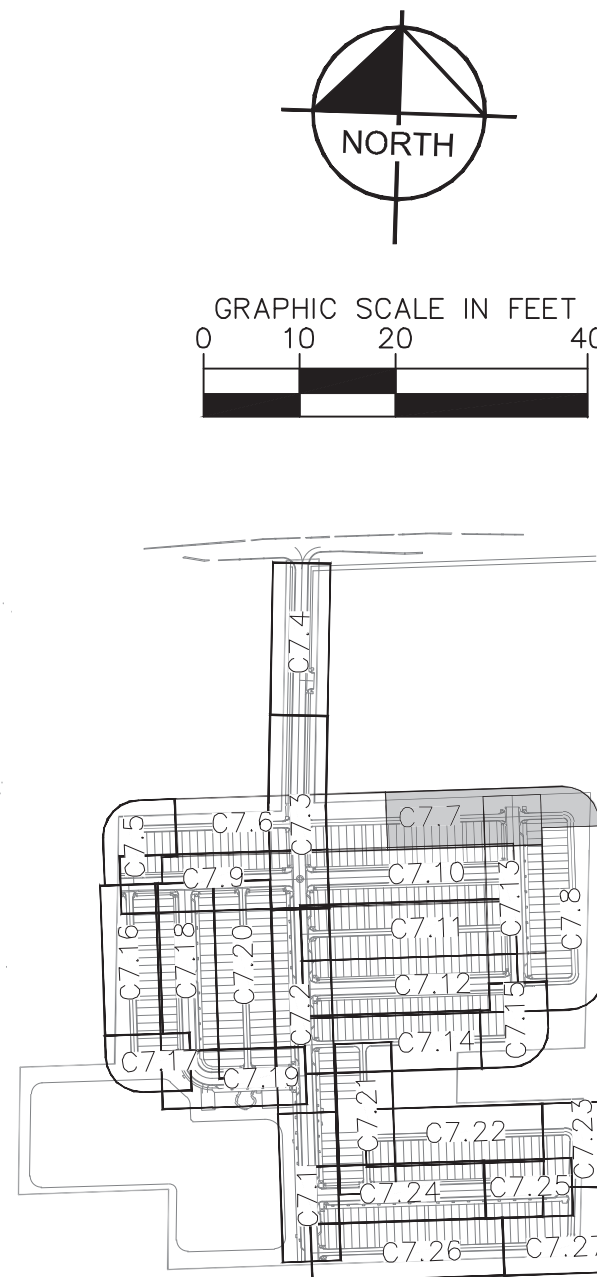
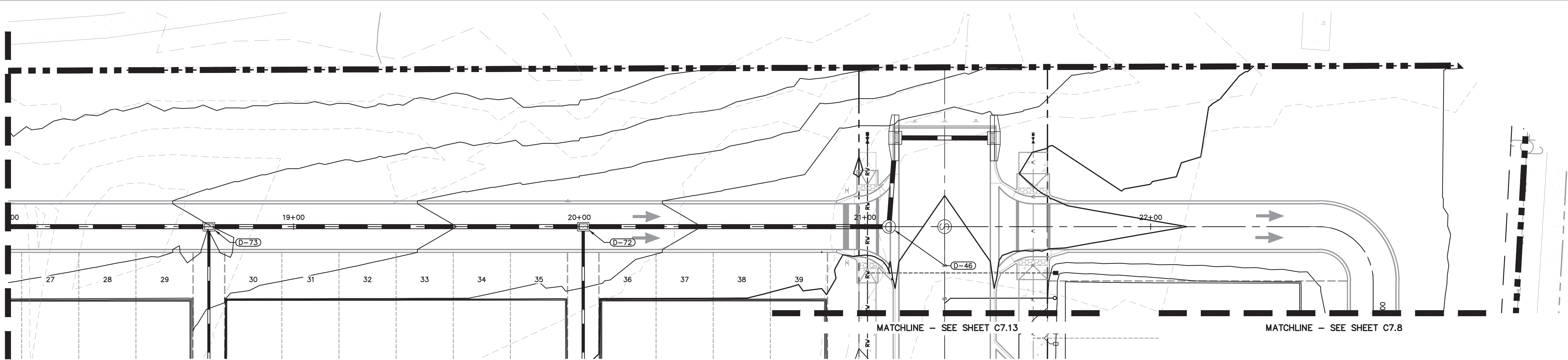


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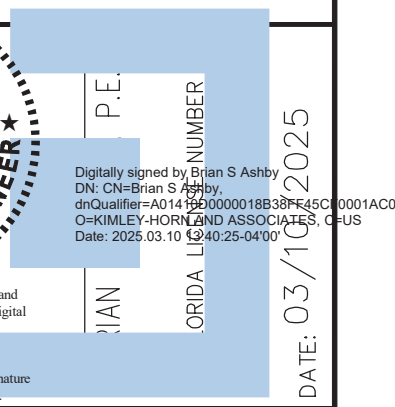
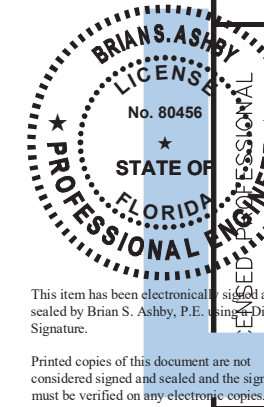
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MATCHLINE - SEE SHEET C7.6



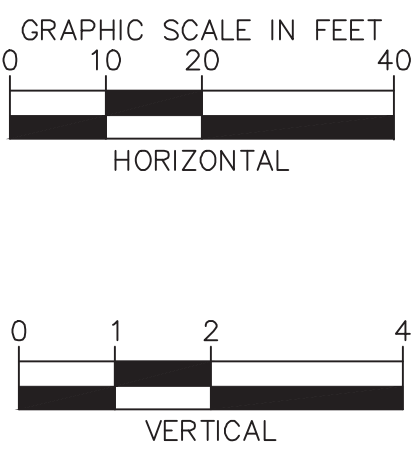
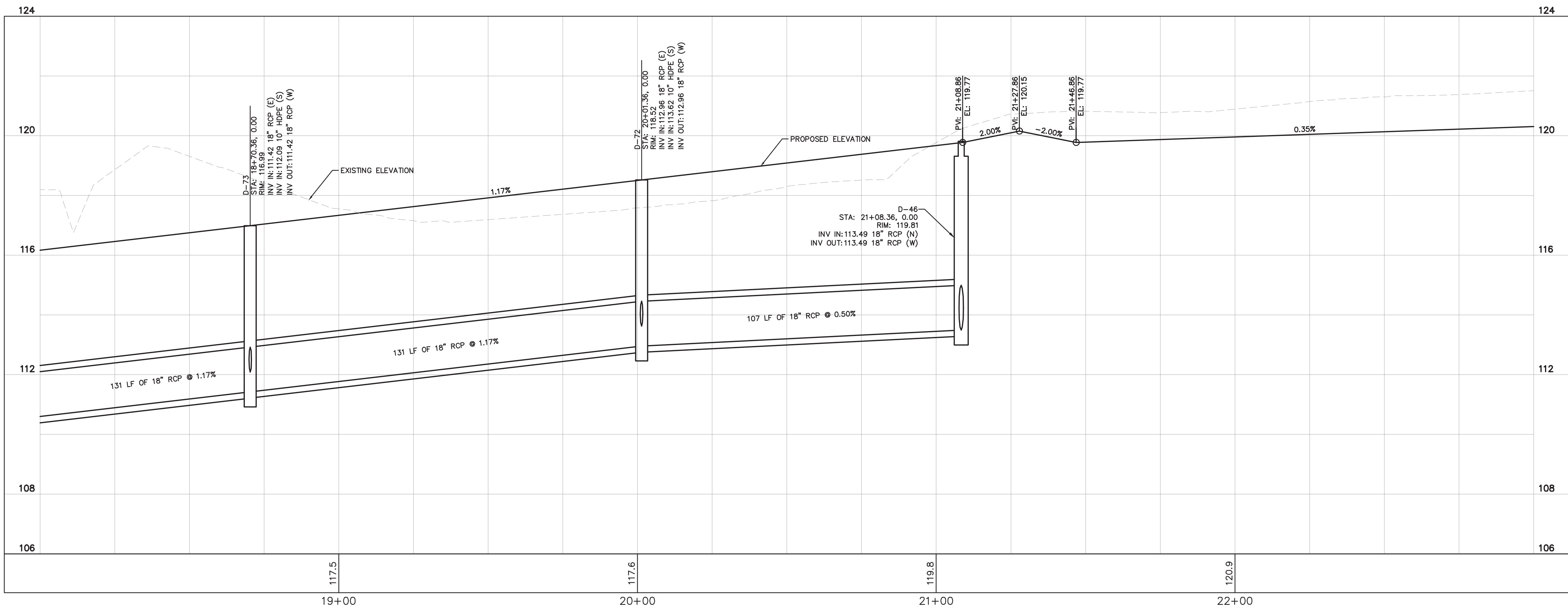
KEY MAP
SCALE: 1" = 500'



ALLEY ABC PLAN &
PROFILE

CHANDLER OAKS

SHEET NUMBER
C7.7



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DATE	03/10/2025
SCALE	AS SHOWN
DESIGNED BY	RMG
DRAWN BY	RMG
CHECKED BY	BSA

CITY OF APOPKA

FLORIDA

DATE: 03/10/2025

REGISTRATION No. 35106

PHONE: 407-898-1511

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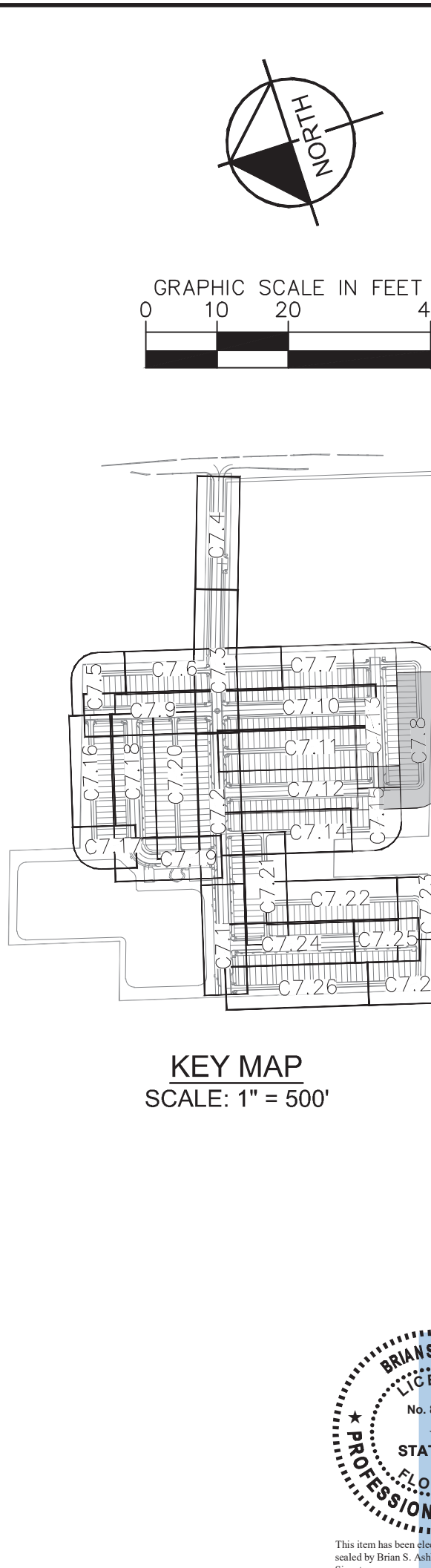
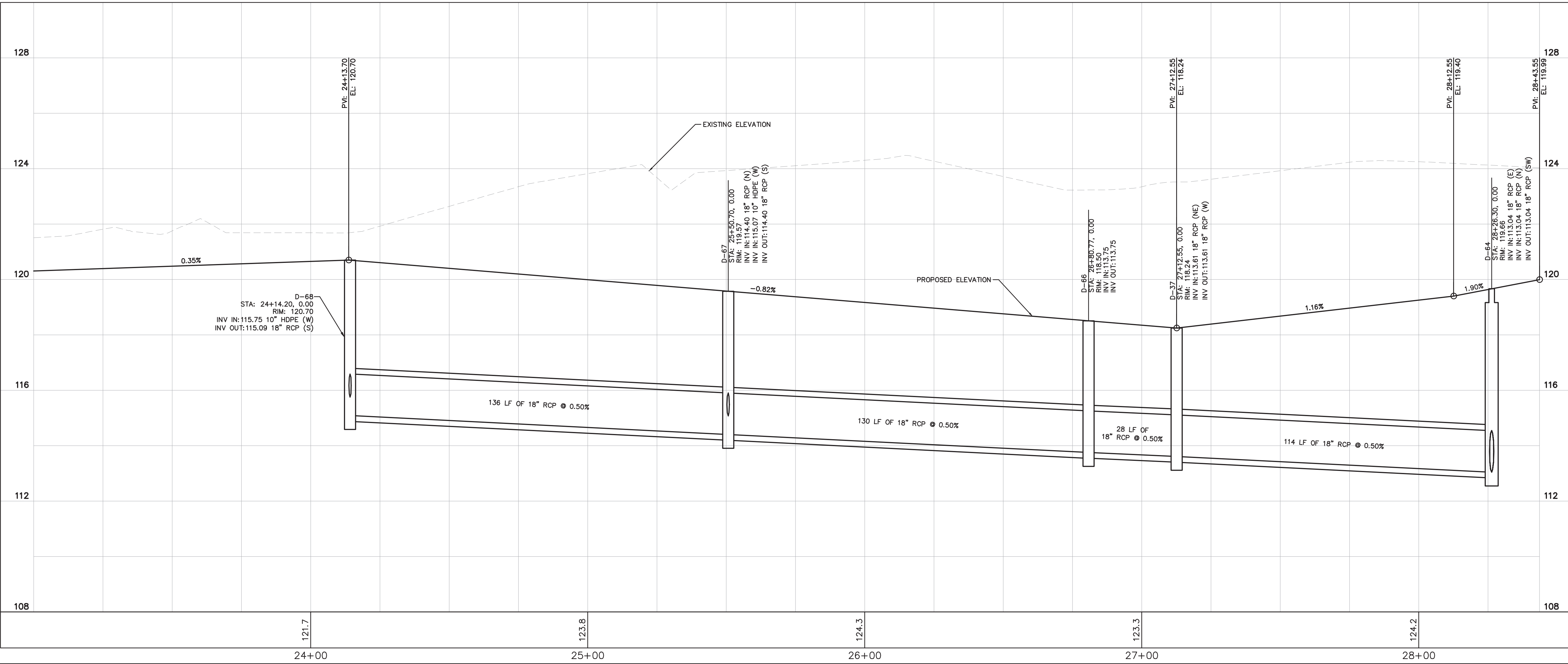
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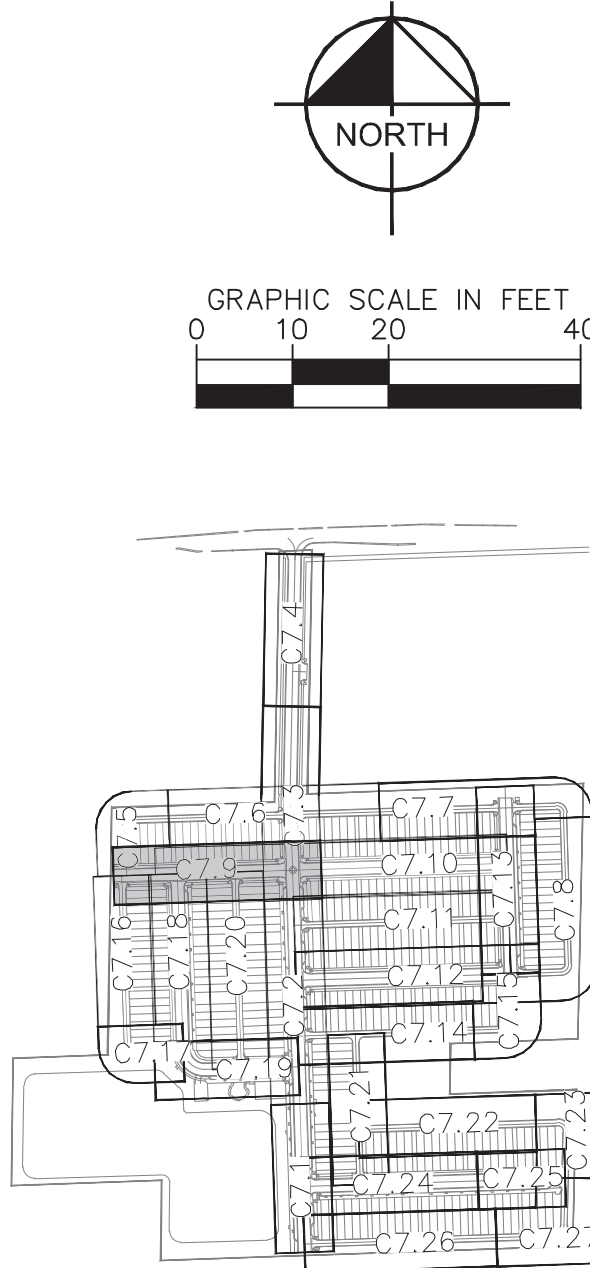
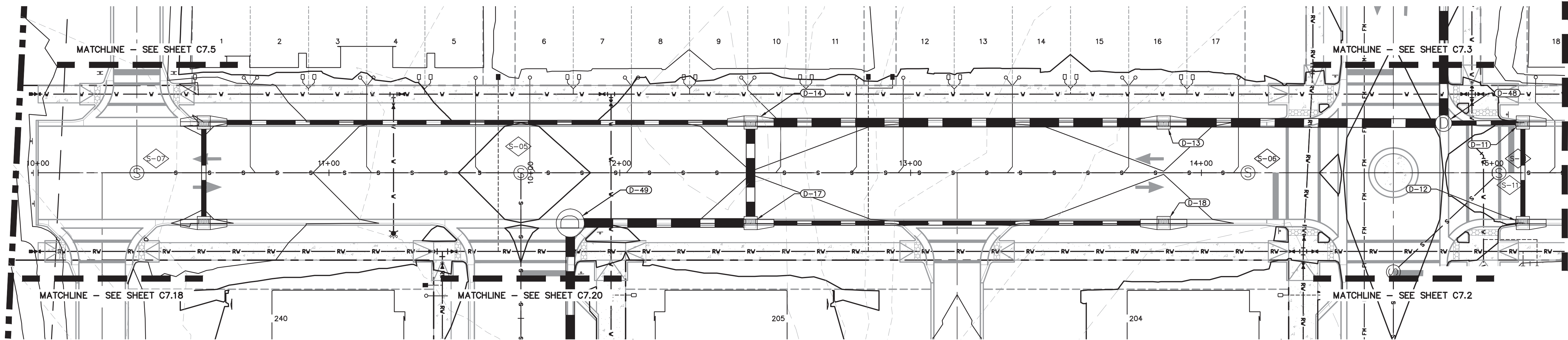
811

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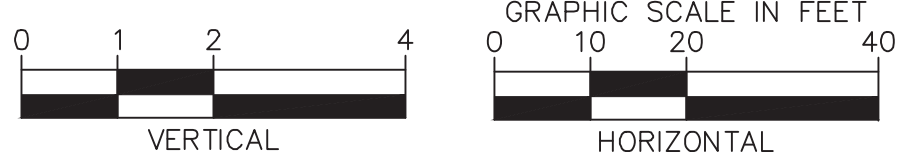
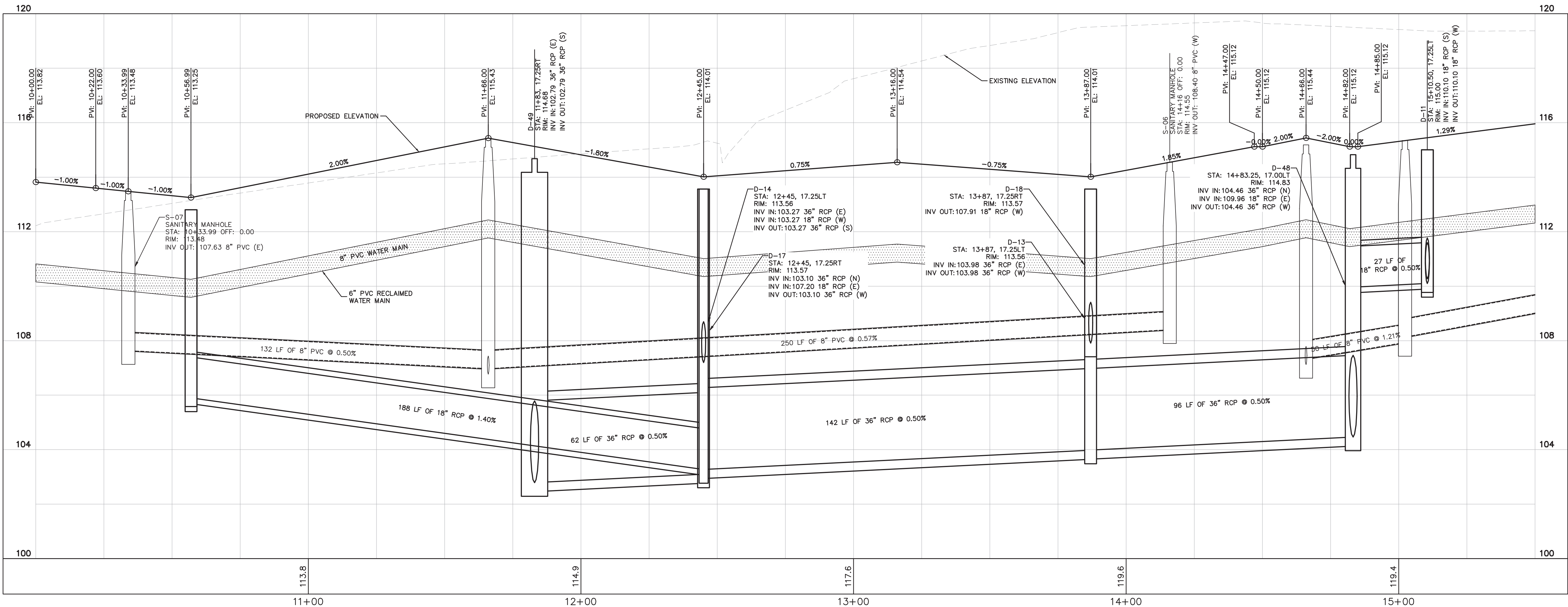
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

SHEET NUMBER		C7.8	
CHANDLER OAKS		FLORIDA	
ALLEY ABC PLAN & PROFILE		CITY OF APOPKA	
K-H PROJECT 249490000		DATE 03/10/2025	
SCALE AS SHOWN		DRAWN BY RMG	
DESIGNED BY RMG		CHECKED BY BSA	
		DATE: 03/10/2025	
Digitally signed by Ryan P. E. on 03/10/2025 at 14:10:10. DN: cn=Ryan P. E., o=Kimley-Horn and Associates, Inc., ou=Kimley-Horn and Associates, Inc., email=ryan.p@kimley-horn.com, c=US		Kimley»Horn © 2025 KIMLEY-HORN AND ASSOCIATES, INC. 200 S ORANGE AVE. SUITE 600, ORLANDO, FL 32801 PHONE: 407-898-1511 WWW.KIMLEY-HORN.COM REGISTRATION No. 35106	
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KEY MAP
SCALE: 1" = 500'



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BRUNN S. ASHBY
No. 00496
P.E.
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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ROAD A PLAN & PROFILE

CHANDLER OAKS

SHEET NUMBER
C7.9

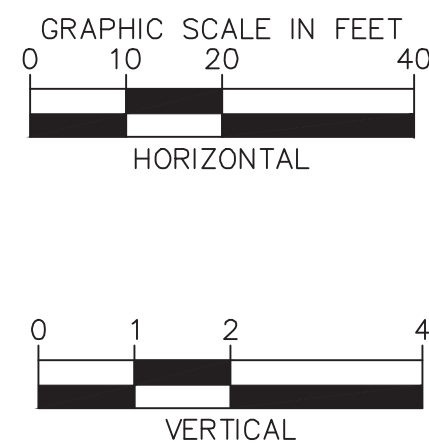
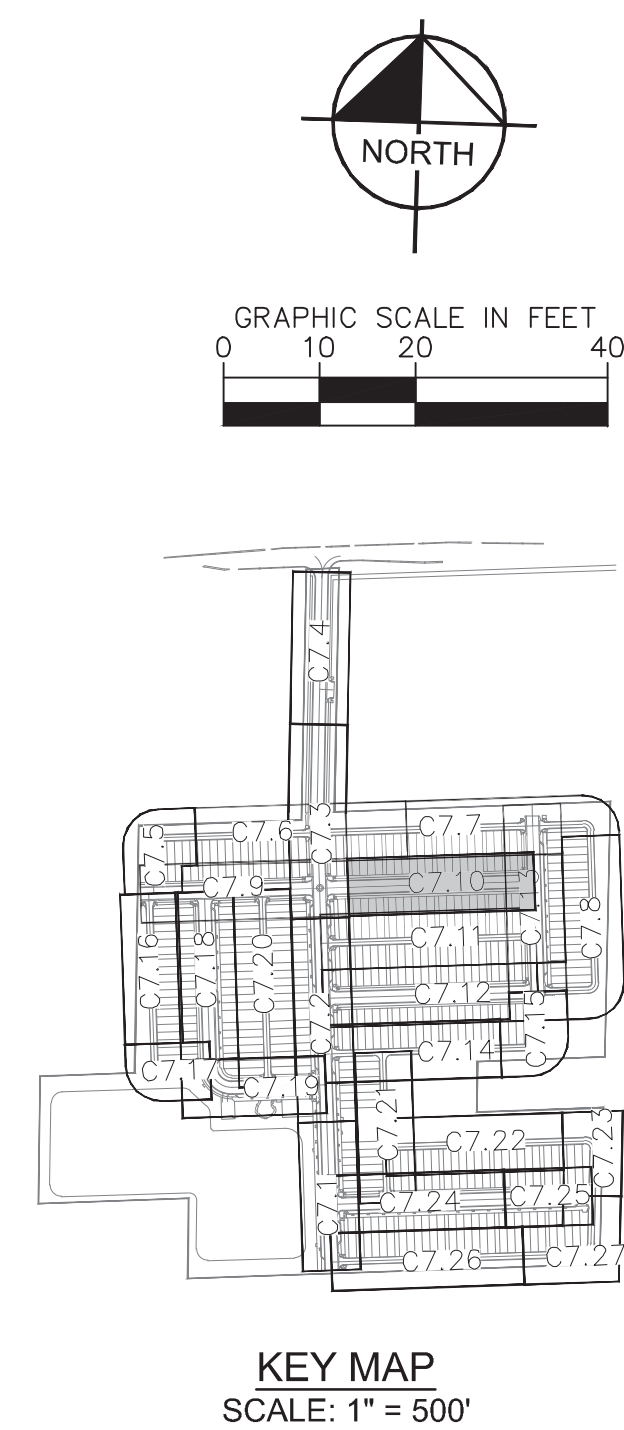
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K-H PROJECT	249490000
DATE	03/10/2025
SCALE	AS SHOWN
DESIGNED BY	RMG
DRAWN BY	RMG
CHECKED BY	BSA

MAN	ORIDA	DATE	03/10/2025
DESIGNED BY	RMG	CHECKED BY	BSA
SCALE	AS SHOWN	DATE	03/10/2025
PROJECT	249490000	DATE	03/10/2025
SCALE	AS SHOWN	DATE	03/10/2025
DESIGNED BY	RMG	CHECKED BY	BSA
DRAWN BY	RMG	CHECKED BY	BSA
CITY OF APOPKA	FLORIDA	CITY OF APOPKA	FLORIDA

REVISIONS	DATE	BY
No.		



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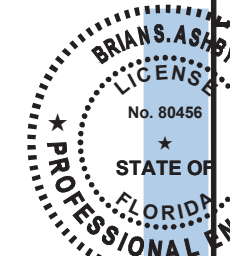
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 DN: cn=Brian S. Ashley,
 c=us, o=Oracle Corporation, ou=Oracle
 Corporation, email=brian.ashley@oracle.com,
 serial=101419000001883094, c=us
 Date: 2025.03.10 10:42:28-0400

DATE: 03/10/2025

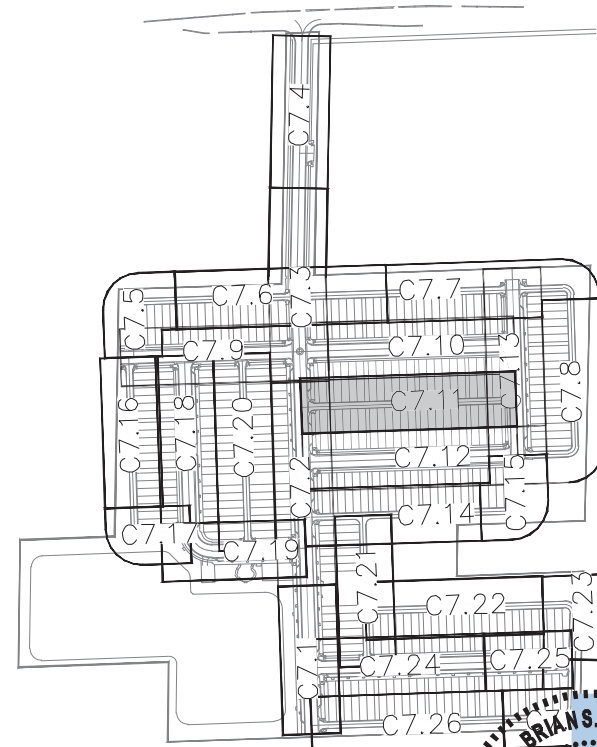
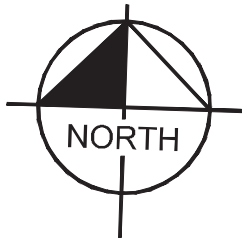
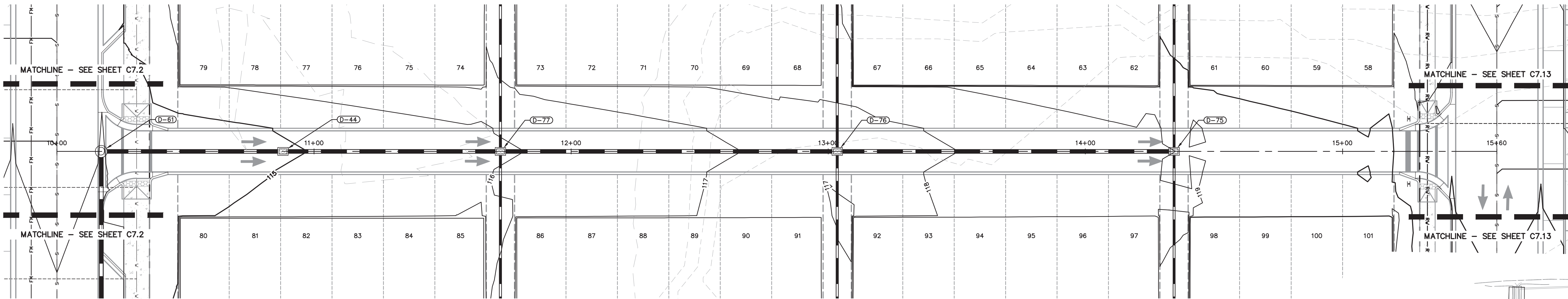
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249490000	03/10/2025								

ROAD A PLAN & PROFILE

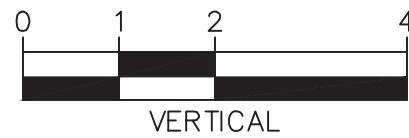
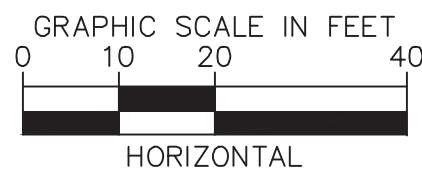
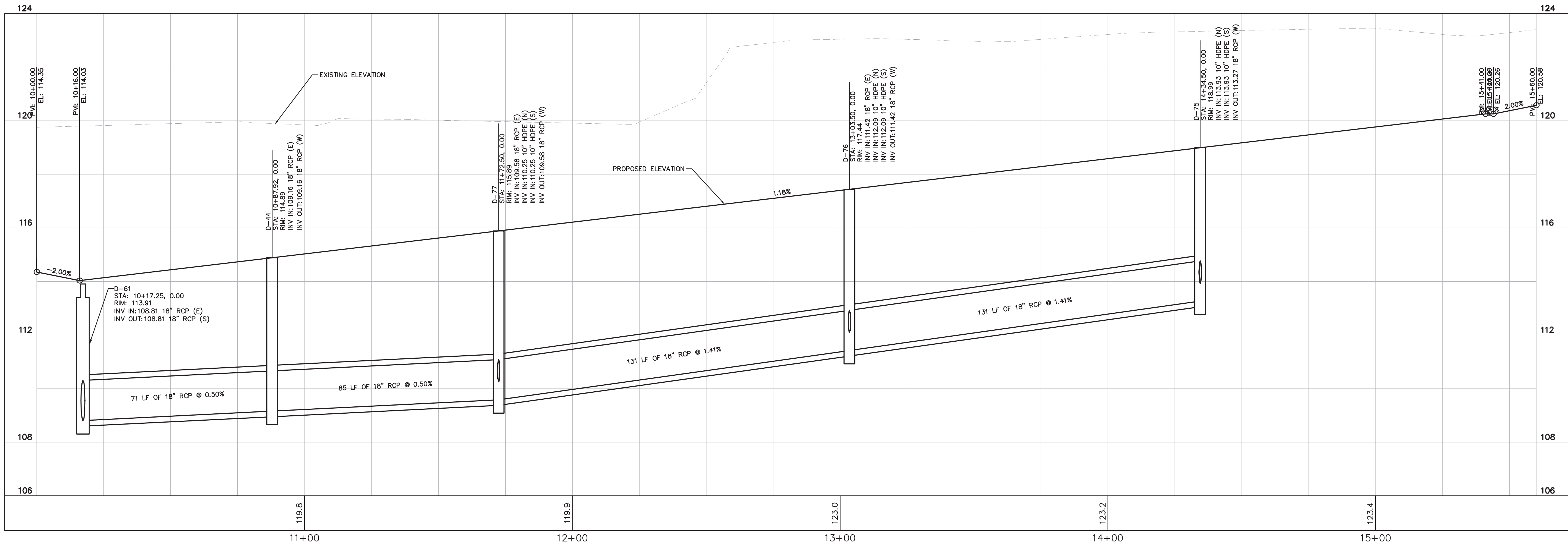
CHANDLER OAKS

SHEET NUMBER
C7.10

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KEY MAP
SCALE: 1" = 500'



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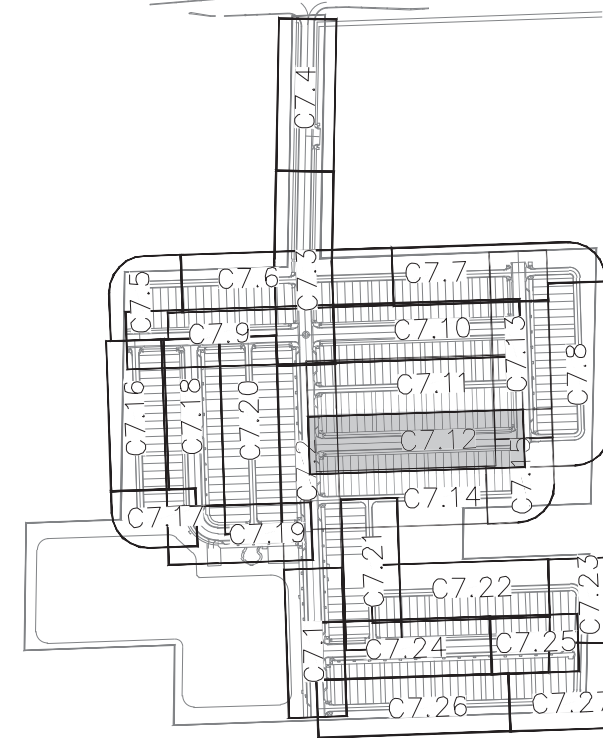
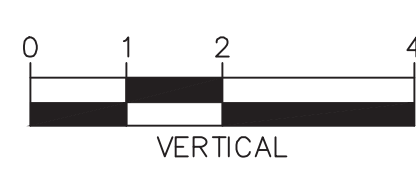
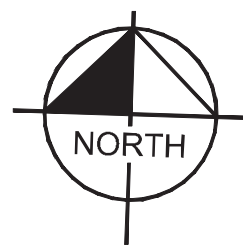
BRUN'S ASHBY
No. 80486
P.E.
FLORIDA PROFESSIONAL ENGINEER
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DATE	03/10/2025
SCALE	AS SHOWN
DESIGNED BY	RMG
DRAWN BY	RMG
CHECKED BY	BSA

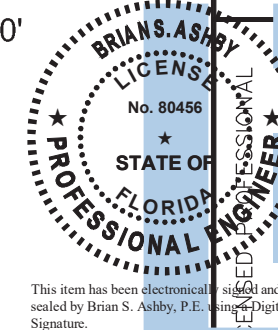
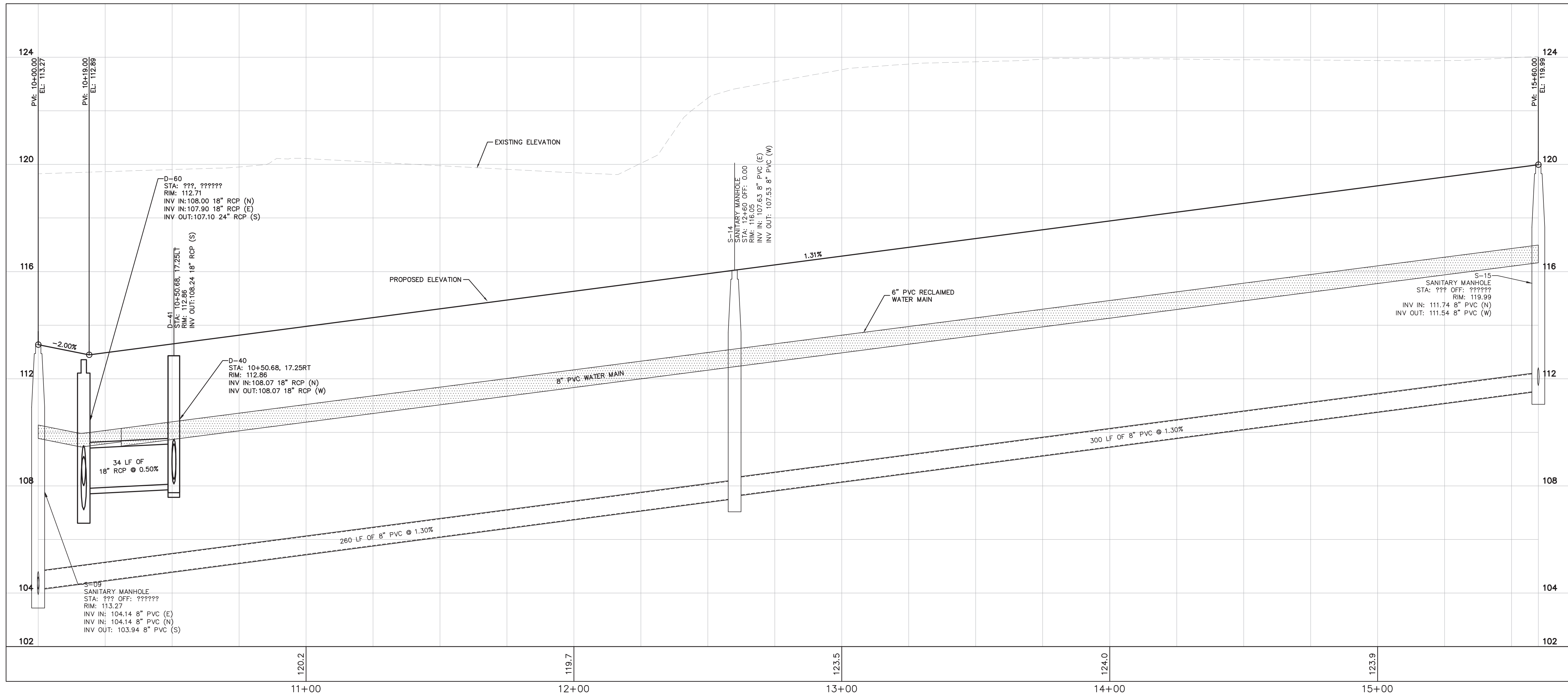
ALLEY F PLAN & PROFILE

CHANDLER OAKS
FLORIDA
CITY OF APOPKA
SHEET NUMBER
C7.11

This plan view shows a highway interchange and bridge section. The main road runs horizontally, with stationing from 10+00 to 15+56.15. A bridge structure is shown crossing a waterway, with piers labeled 113 through 123. The interchange includes a ramp labeled 'D-41' and a bridge labeled 'D-60'. Matchlines at both ends refer to sheets C7.2 and C7.15. The drawing includes various engineering details such as centerlines, edge lines, and structural elements.



KEY MAP
SCALE: 1" = 500'



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DN: cn=Brian S Ashby,
o=Kimley-Horn and Associates, C=US
Date: 2025.03.10 15:40:30-0400

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ROAD C PLAN & PROFILE

CHANDLER OAKS

SHEET NUMBER
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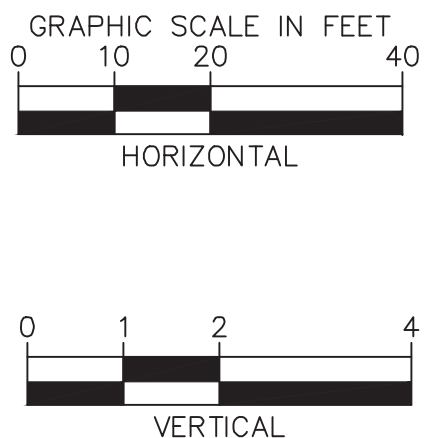
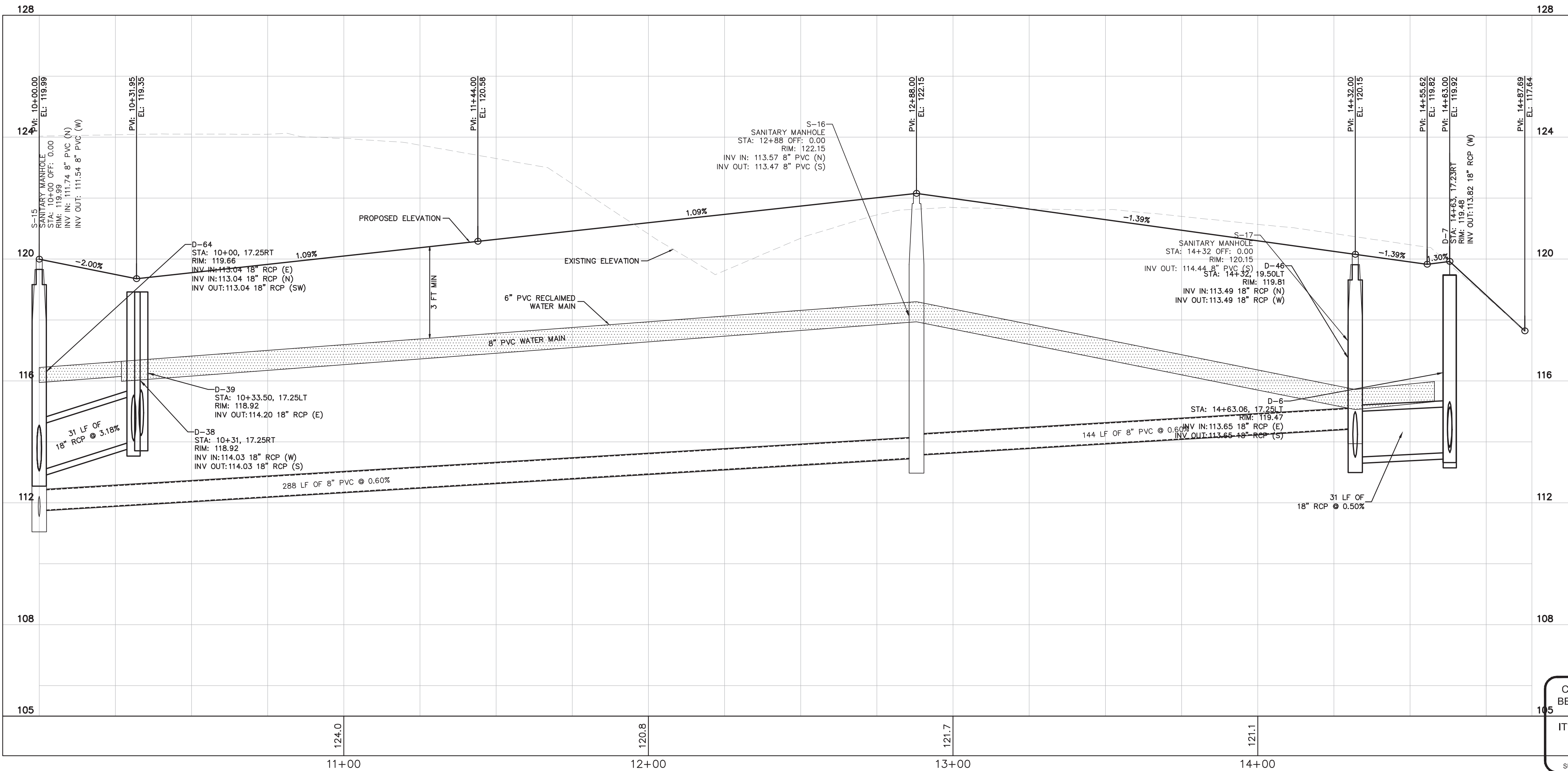
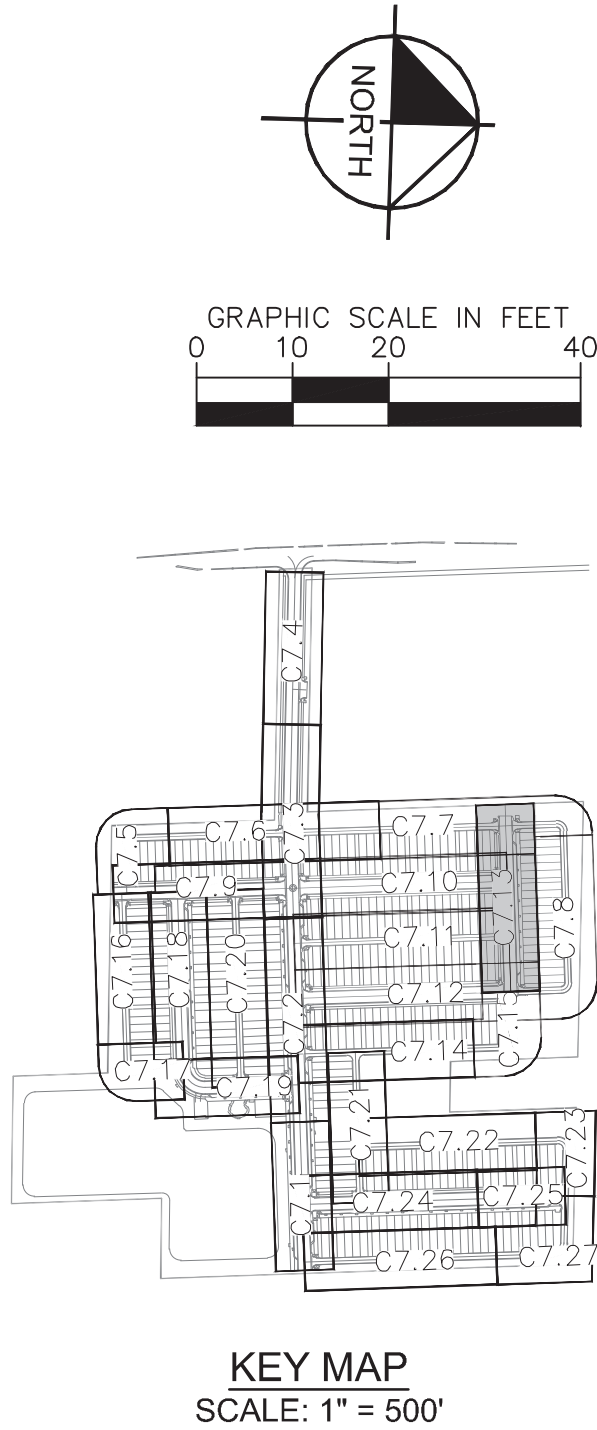
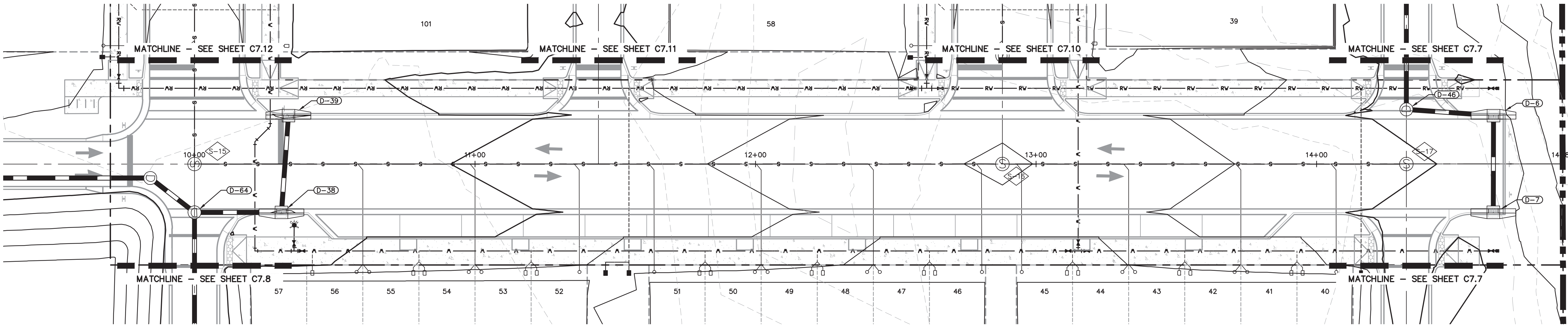
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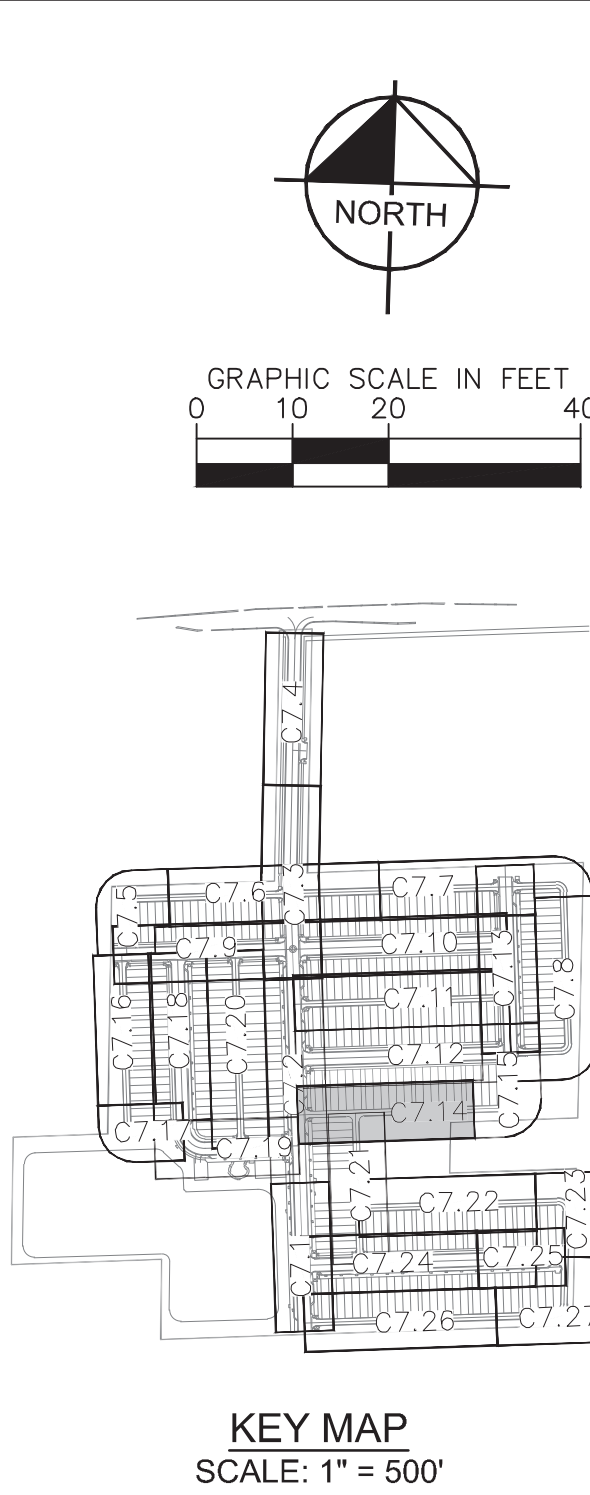
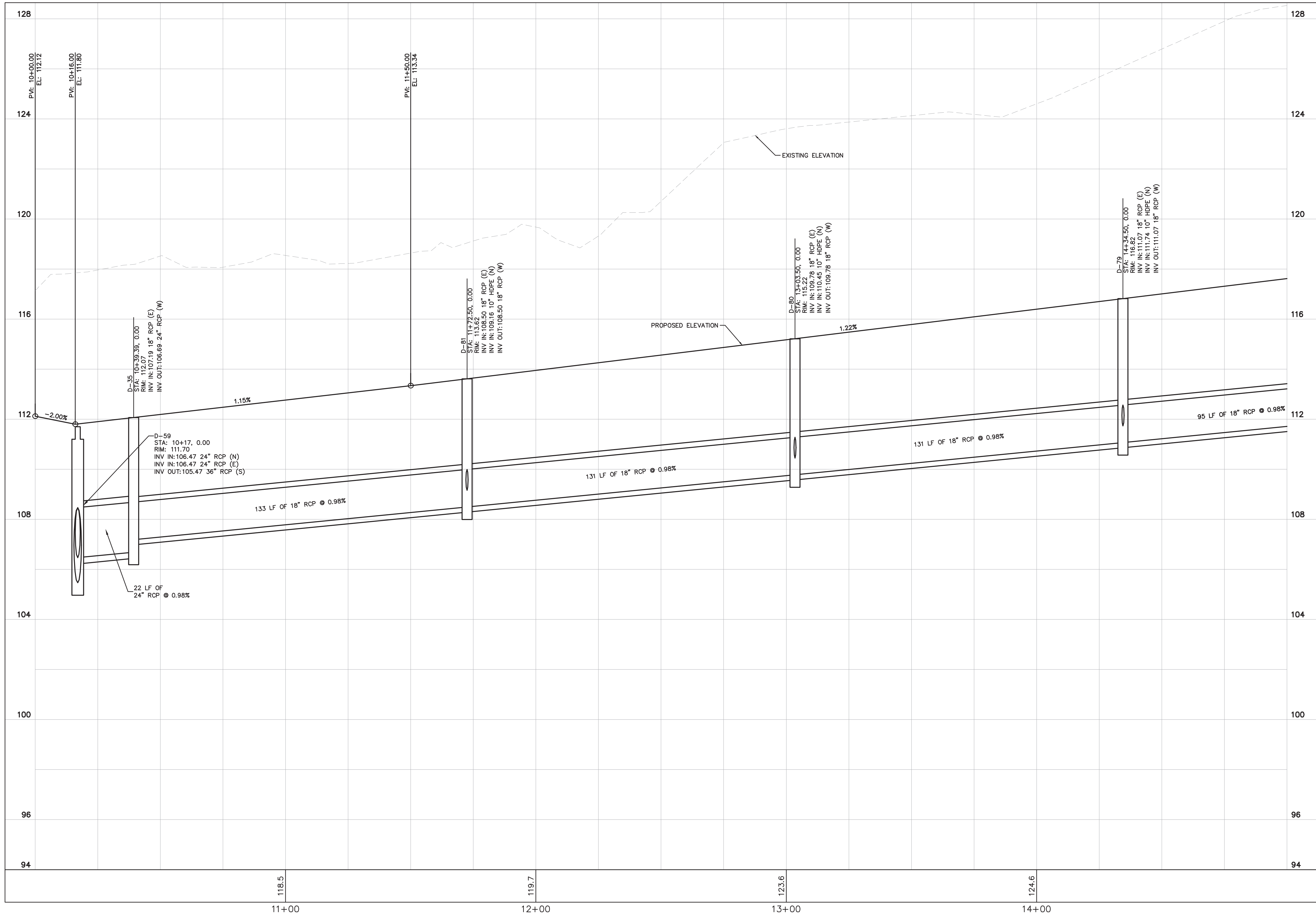
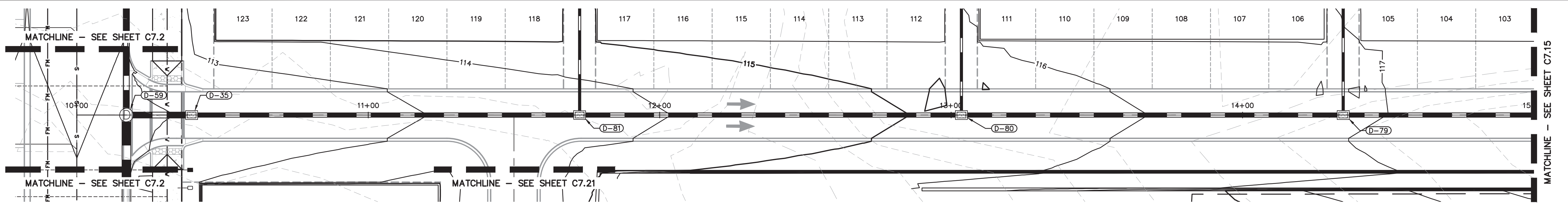
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No. 00496
P.E.
FLORIDA
PROFESSIONAL ENGINEER
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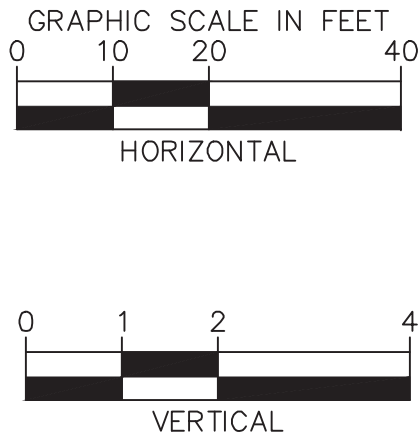
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ROAD D PLAN & PROFILE												CHANDLER OAKS							
KIMLEY-HORN AND ASSOCIATES, INC. 200 S ORANGE AVE. SUITE 600, ORLANDO, FL 32801 PHONE: 407-898-1511 WWW.KIMLEY-HORN.COM REGISTRATION No. 35106												REVISIONS						BY DATE	

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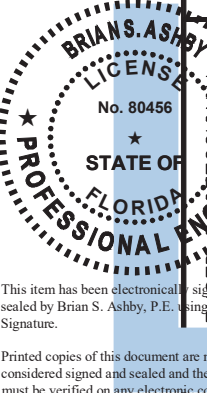


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K-H PROJECT
249490000

DATE
03/10/2025

SCALE
AS SHOWN

DESIGNED BY
RMG

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RMG

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BSA

CHANDLER OAKS

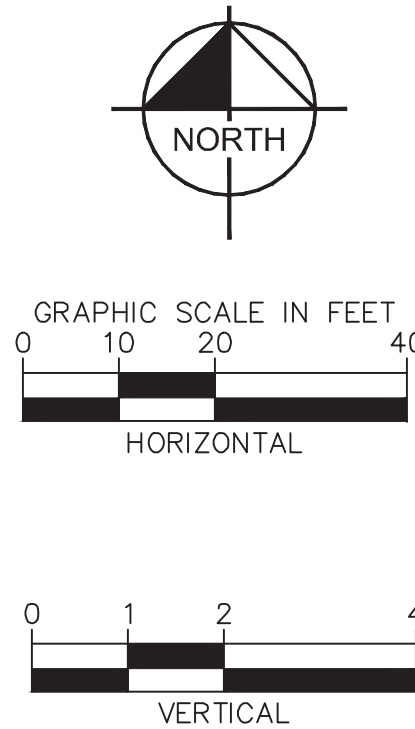
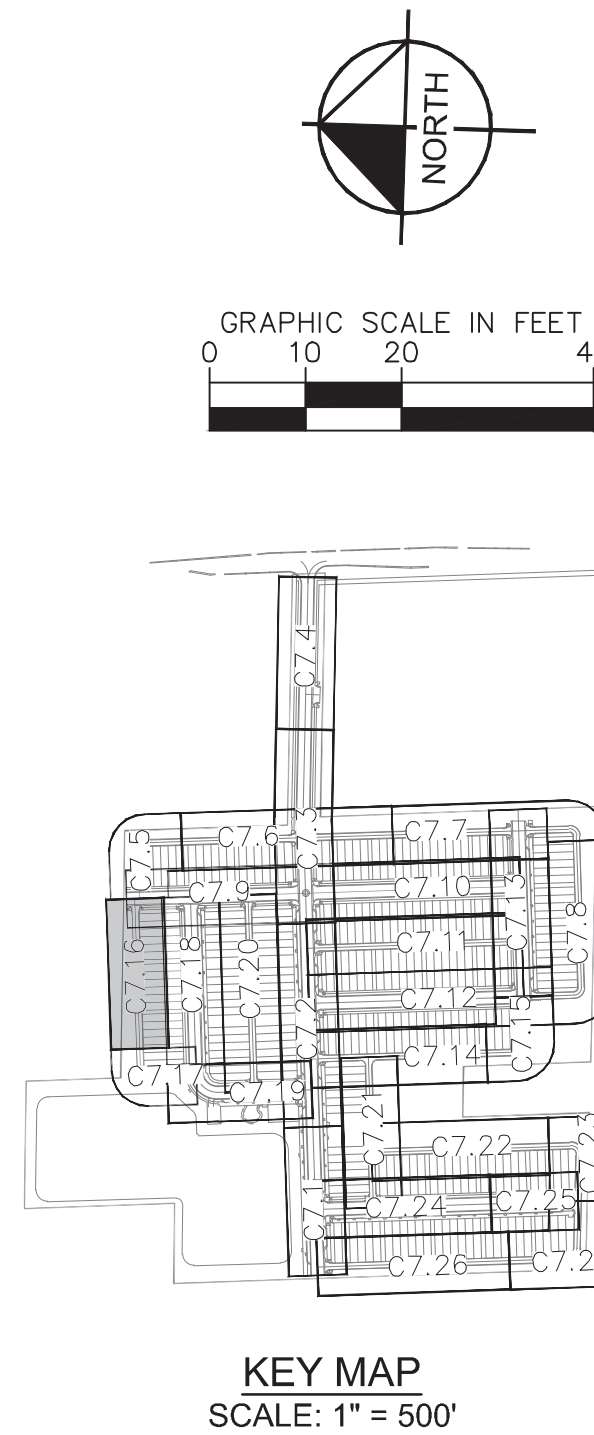
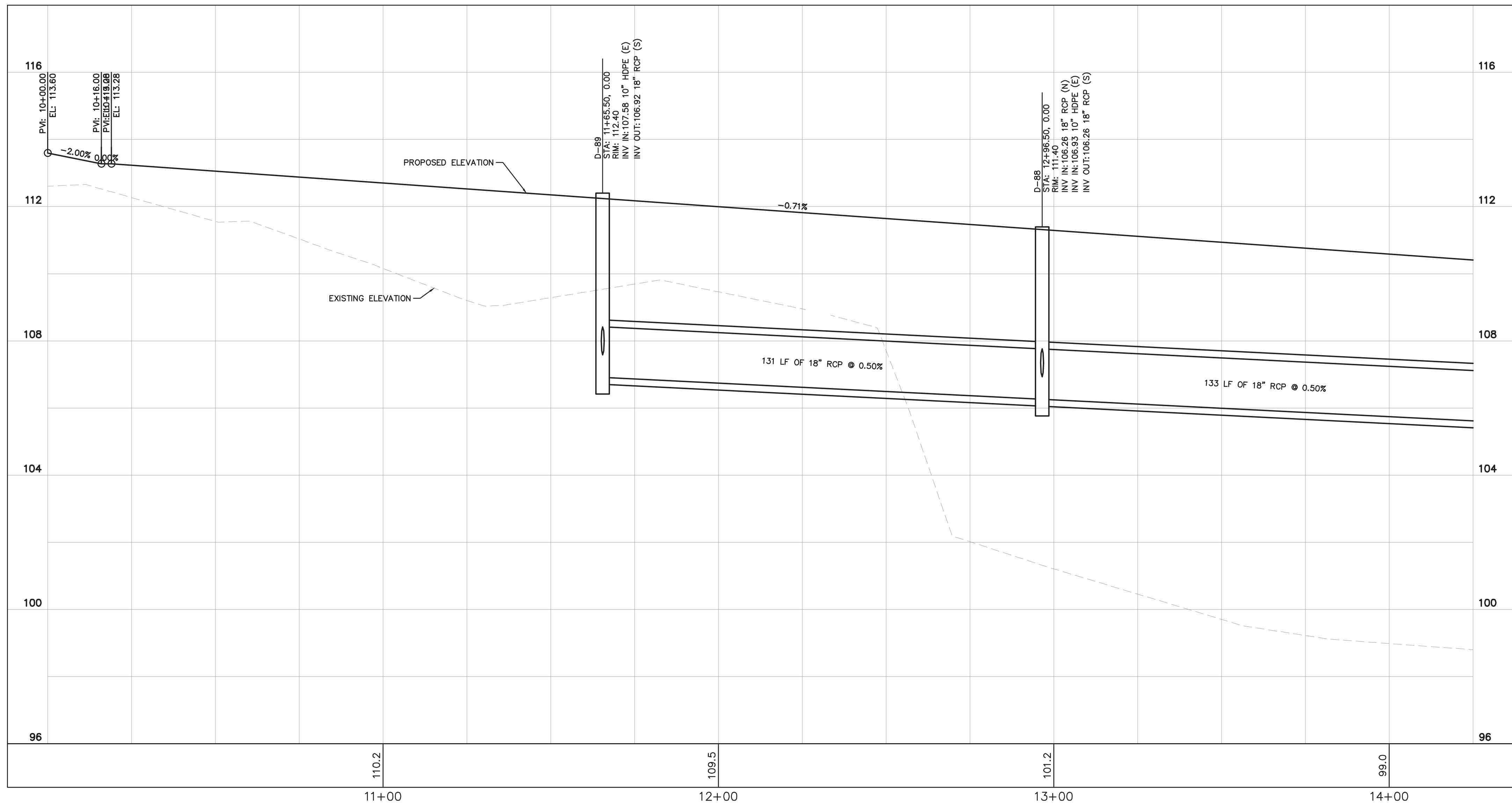
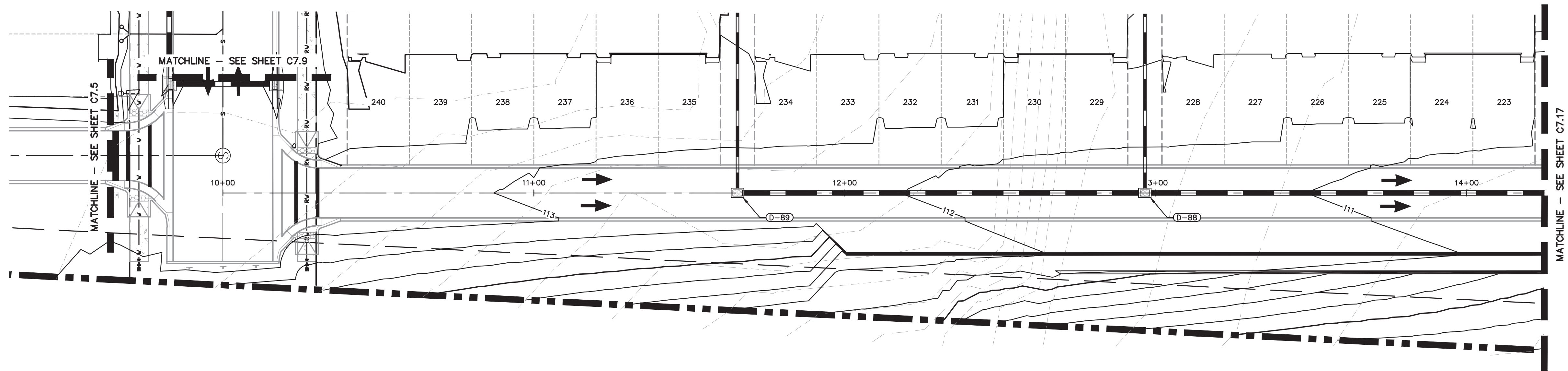
ALLEY G PLAN & PROFILE

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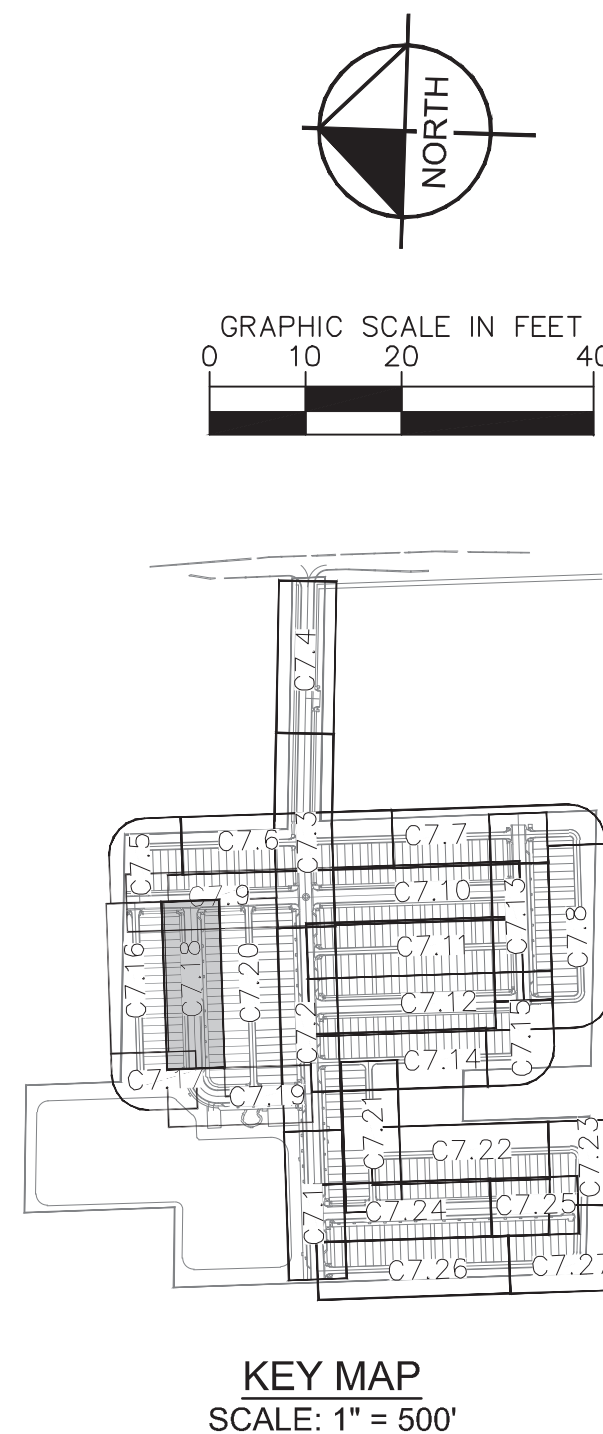
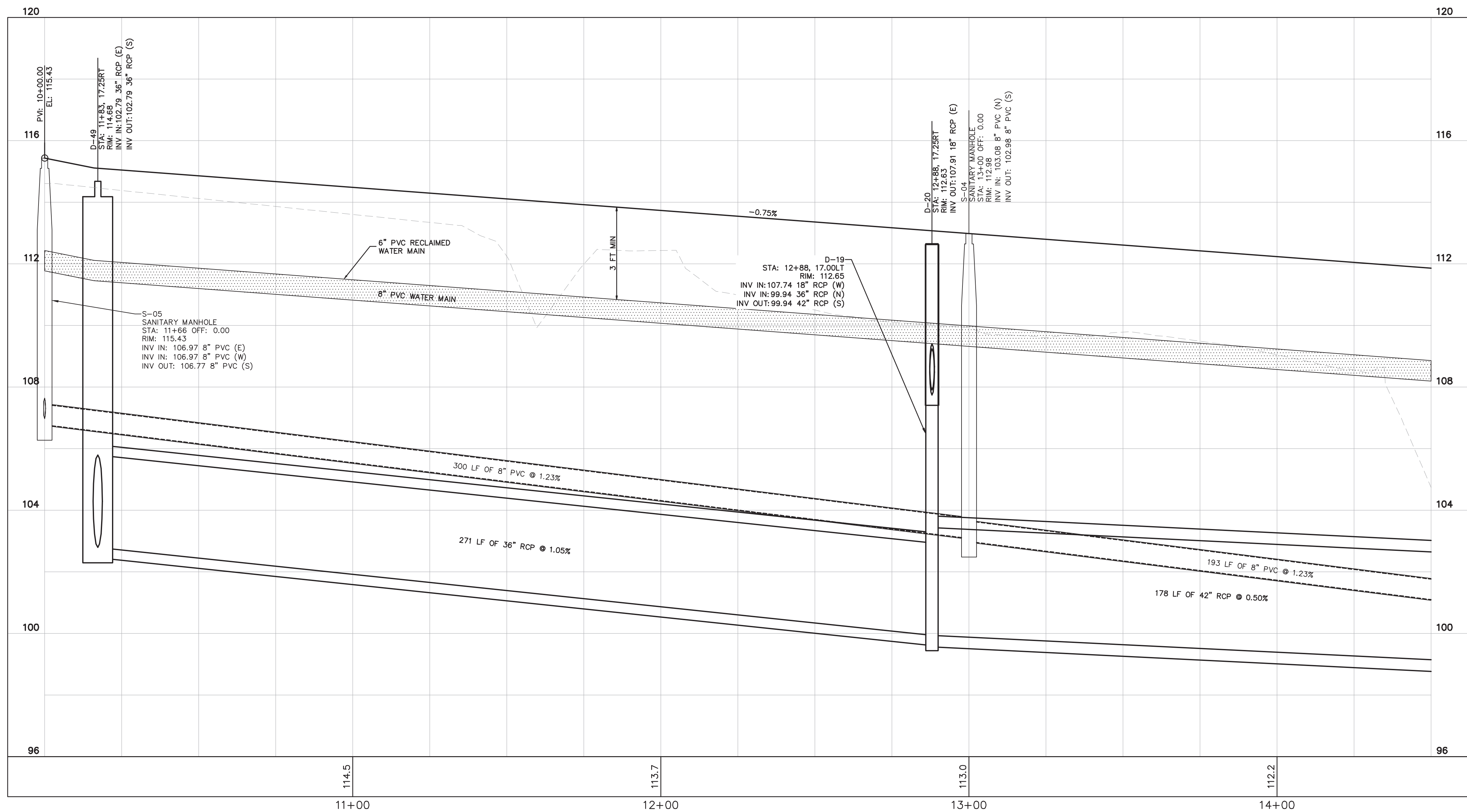
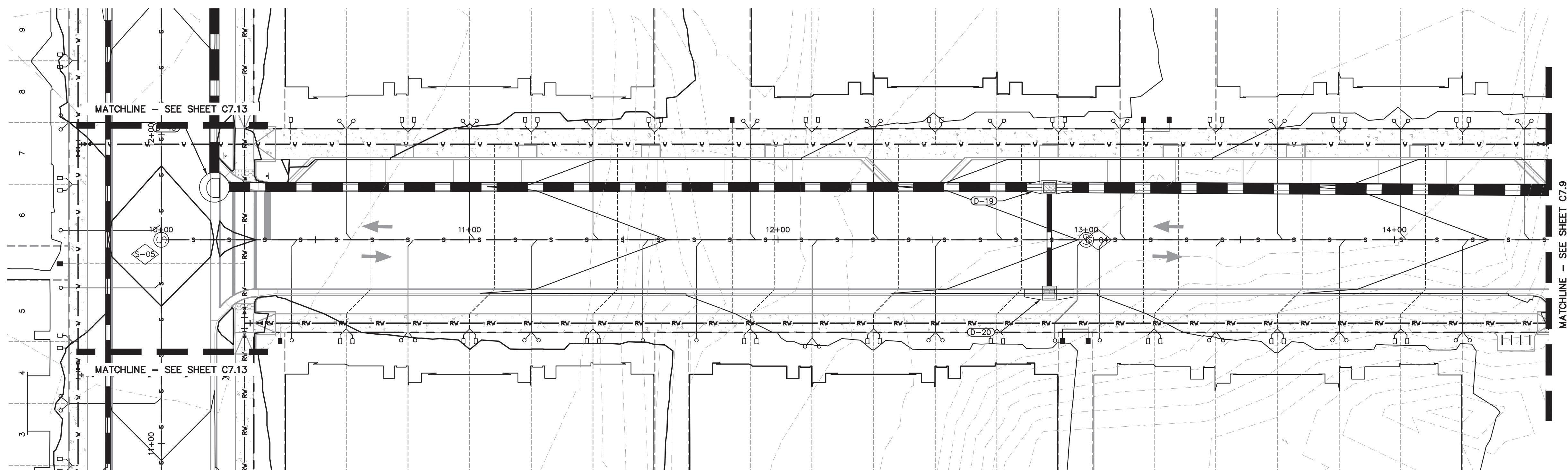
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 o=Chemical and Hazardous Waste
 Management Association, ou=CHWMA,
 email=bashley@chwma.org, c=US
 Date: 2025.03.10 16:30:04-0400

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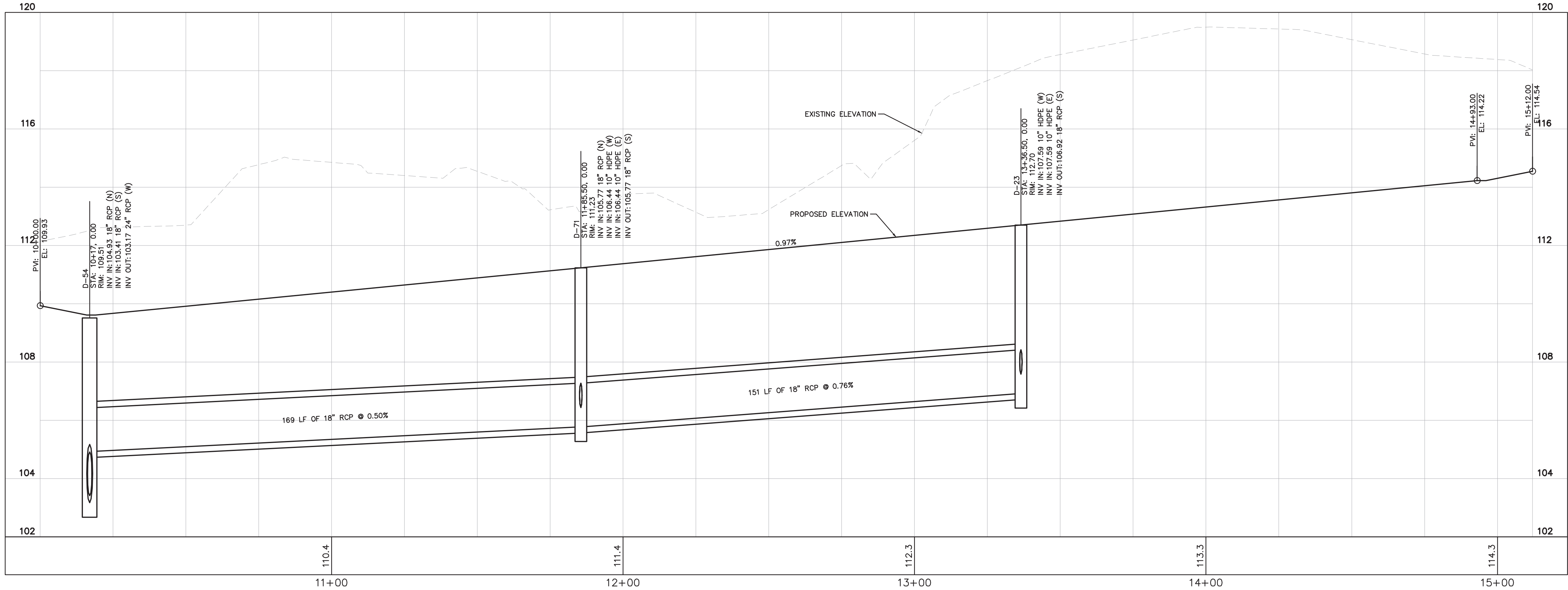
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CHANDLER OAKS

CITY OF APOKA

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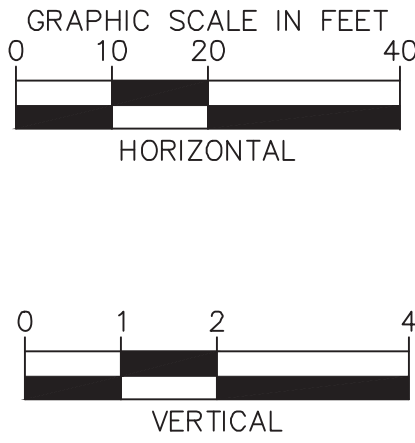


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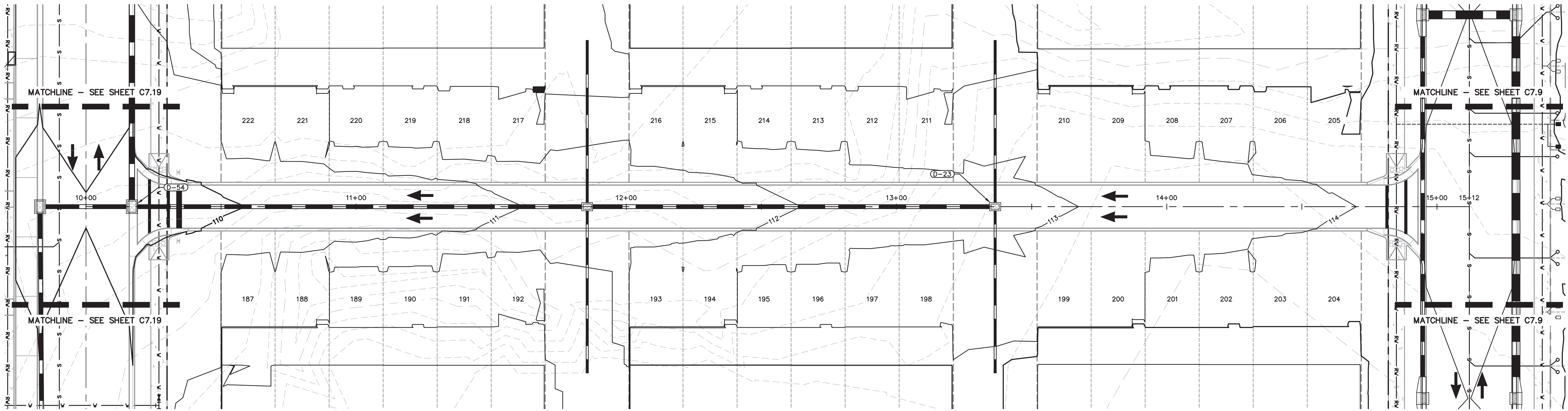
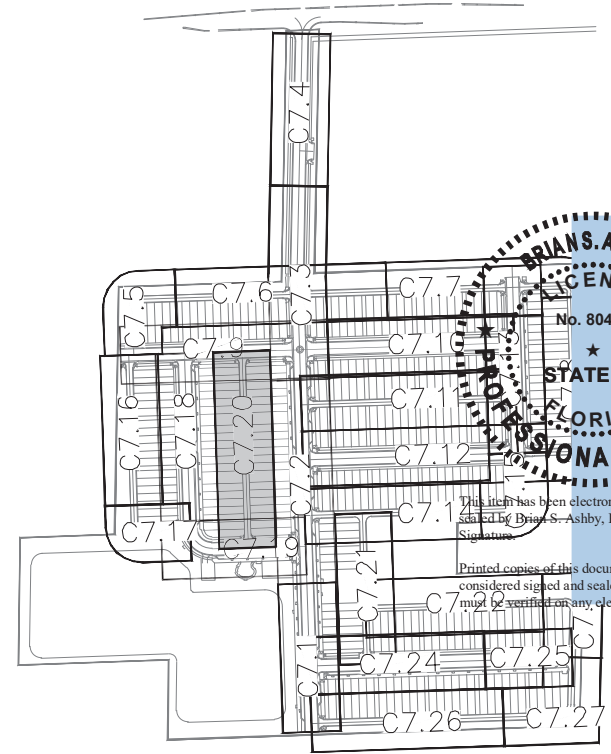
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KEY MAP
SCALE: 1" = 500'



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CITY OF APOPKA		FLORIDA	
DESIGNED BY RMG		CHECKED BY BSA	
DRAWN BY RMG		SCALE AS SHOWN	
PROJECT 249490000		DATE 03/10/2025	
K-H PROJECT		DATE	
DESIGNED BY		CHECKED BY	
DRAWN BY		SCALE	
PROJECT		DATE	

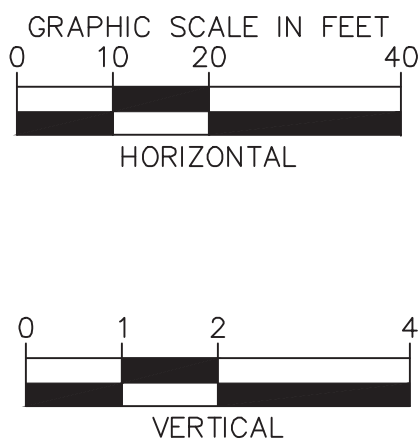
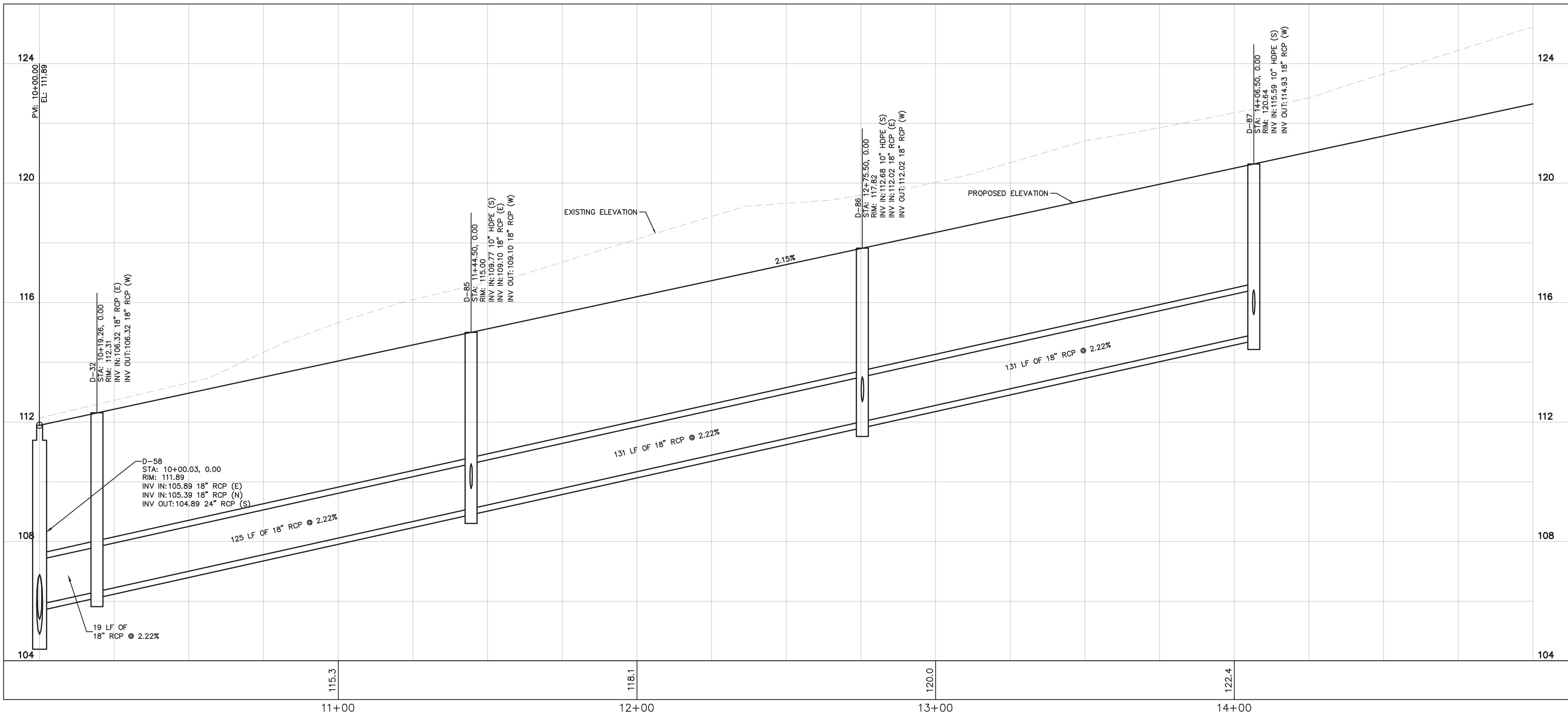
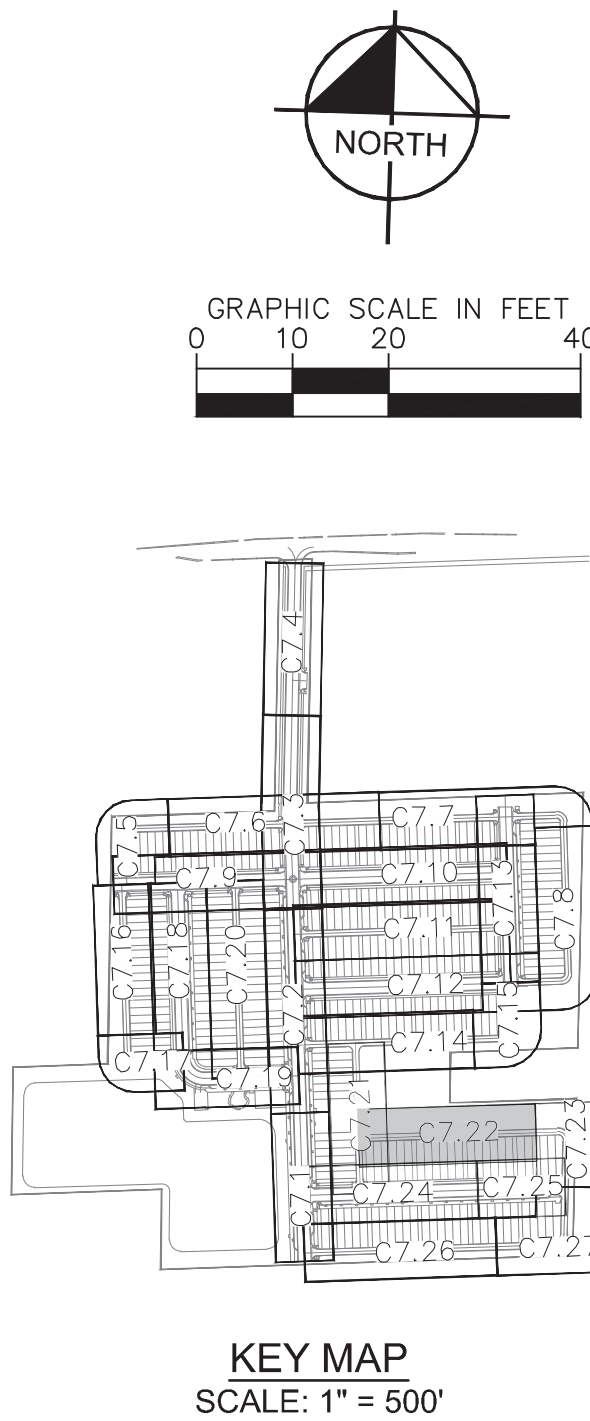
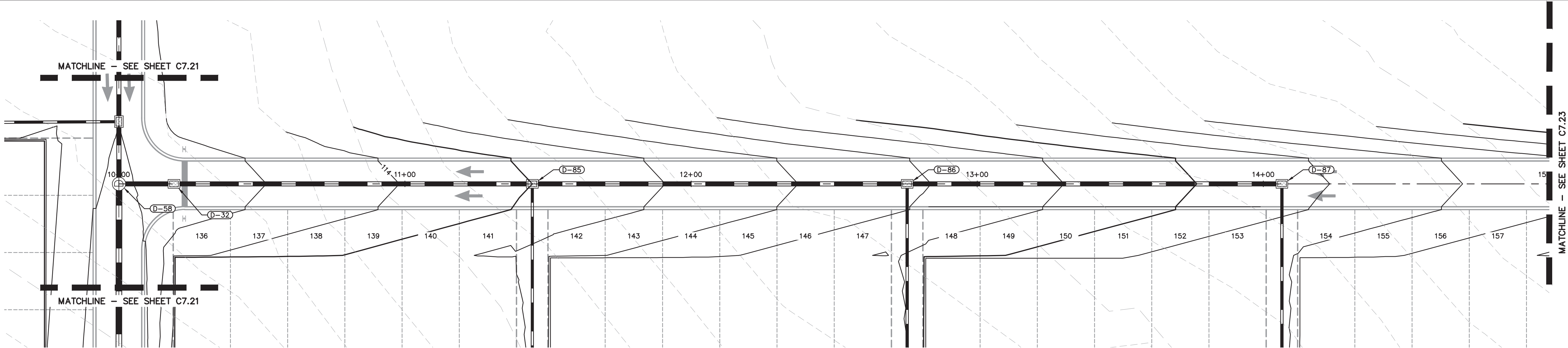
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STATE OF FLORIDA
PROFESSIONAL ENGINEER
No. 00486
Date: 03/10/2025

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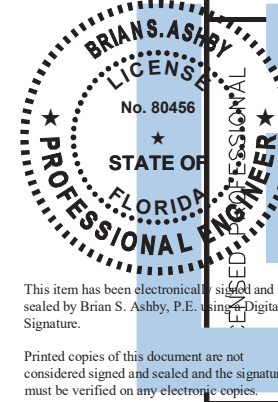


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REVISIONS

No.	DATE	BY

PROJECT: K-H PROJECT 249490000

DATE: 03/10/2025

SCALE: AS SHOWN

DESIGNED BY: RMG

DRAWN BY: RMG

CHECKED BY: BSA

ALLEY I PLAN & PROFILE

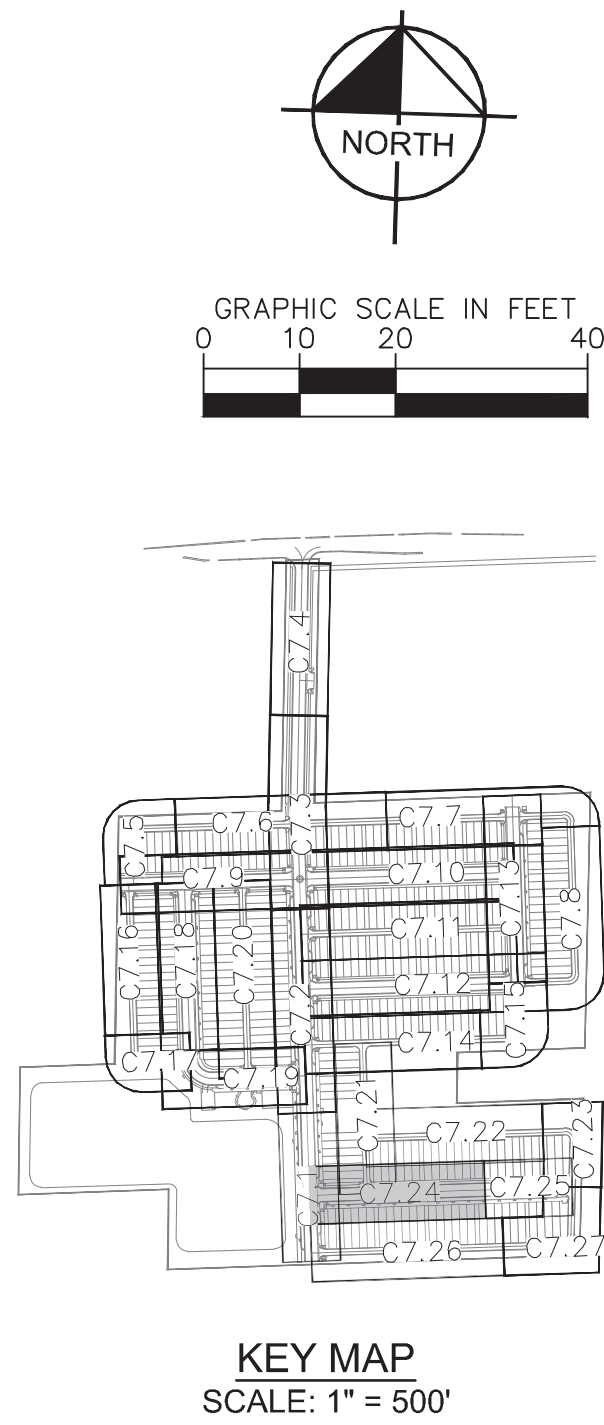
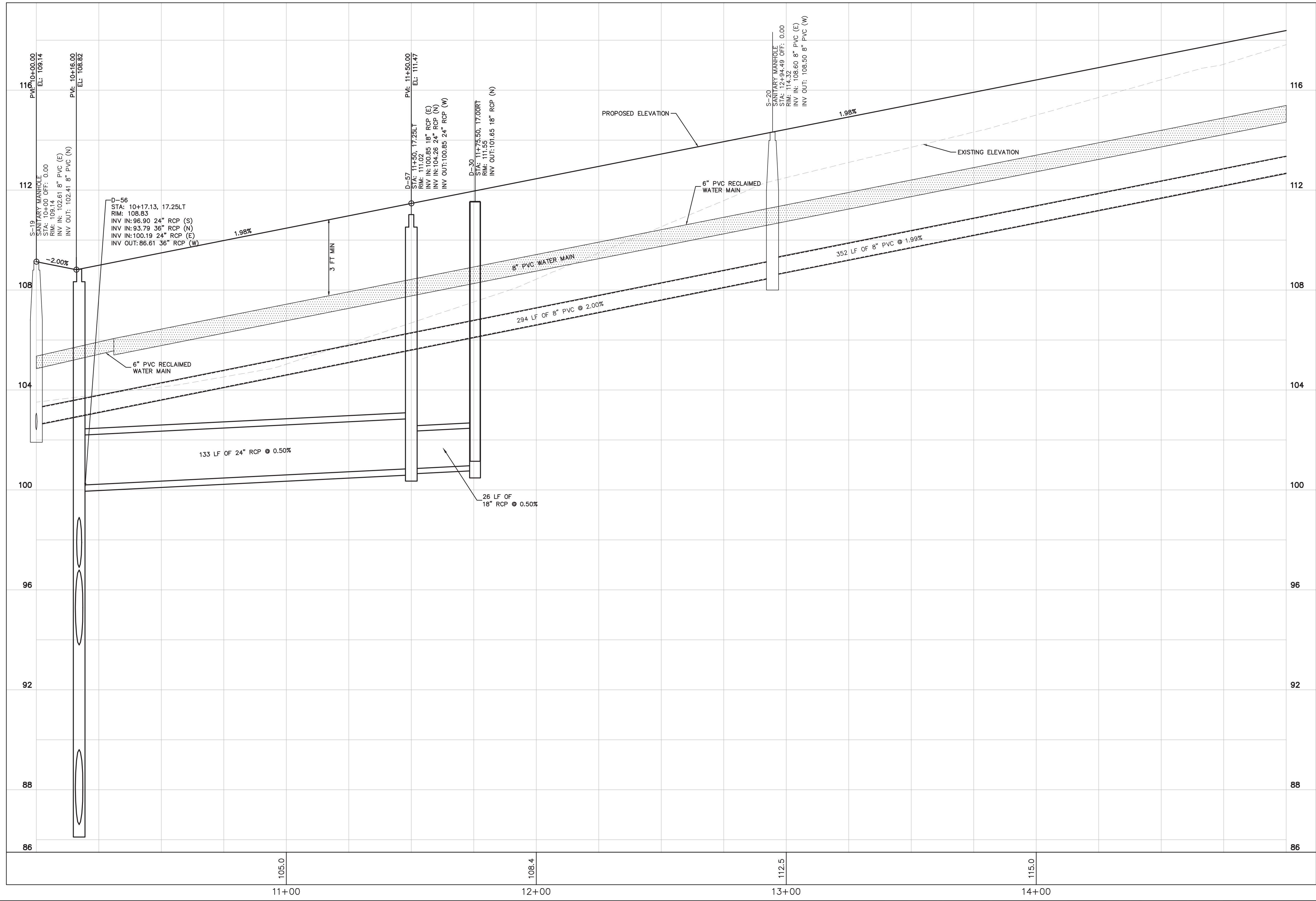
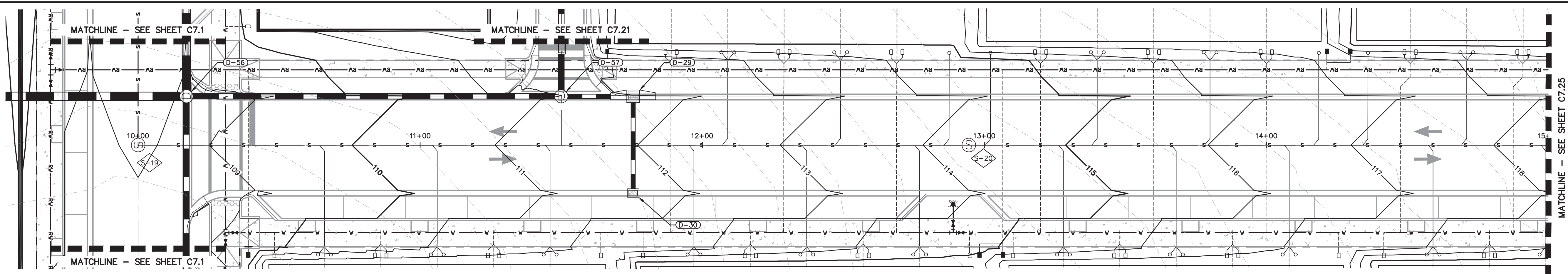
CHANDLER OAKS

FLORIDA

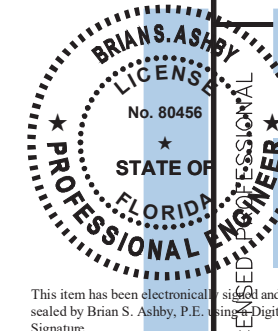
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KEY MAP
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 dnQualifier=A01A1000000018B307A25C00001AC
 O=KIMLEY-HORN AND ASSOCIATES, C=US
 Date: 2025.03.10 15:40:43-0400

DATE: 03/10/2025

K-H PROJECT 249490000	DATE 03/10/2025	SCALE AS SHOWN
DESIGNED BY RMG	DRAWN BY RMG	CHECKED BY BSA

ROAD E PLAN & PROFILE

CHANDLER OAKS

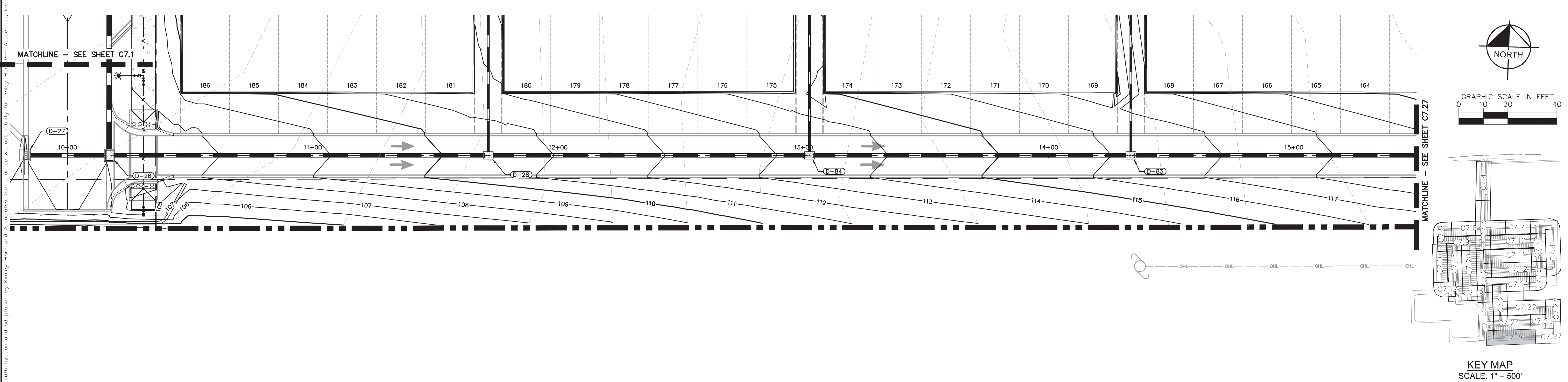
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CITY OF APOPKA

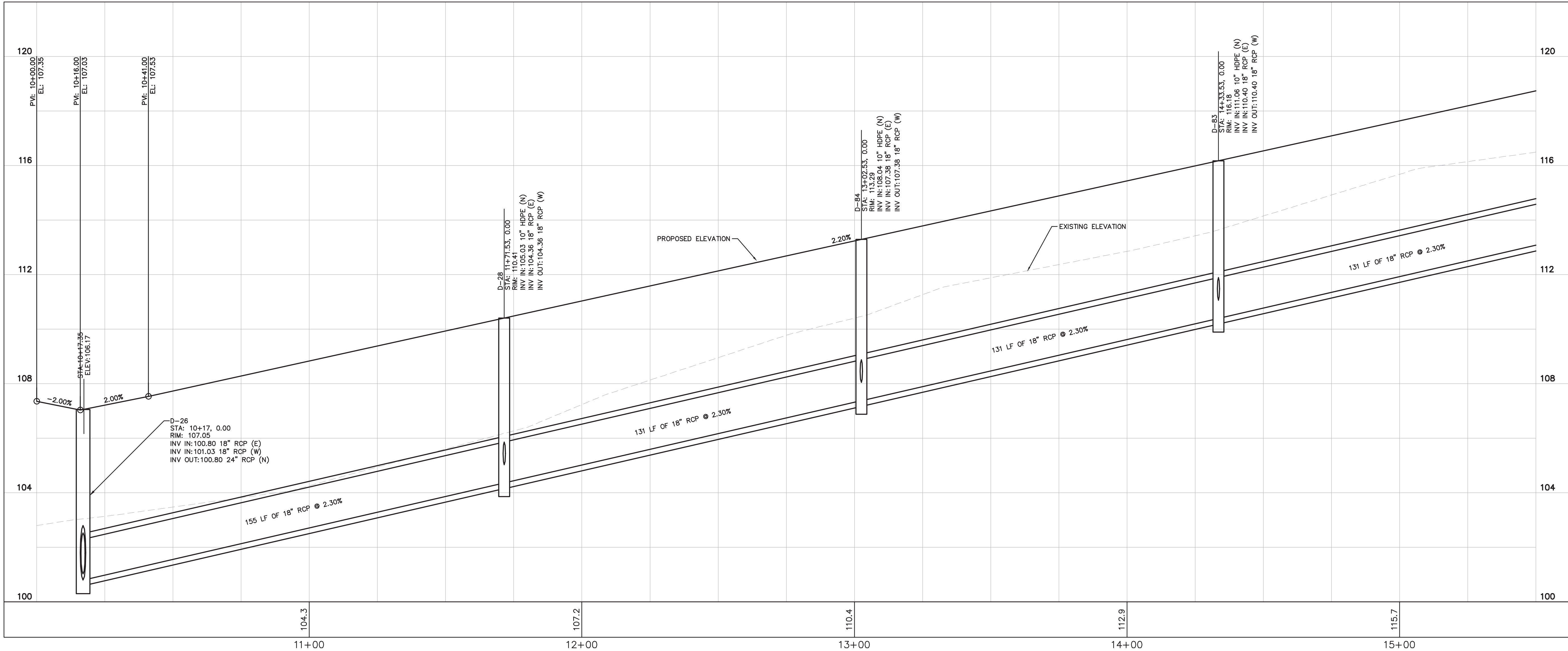
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SHEET NUMBER
C7.26

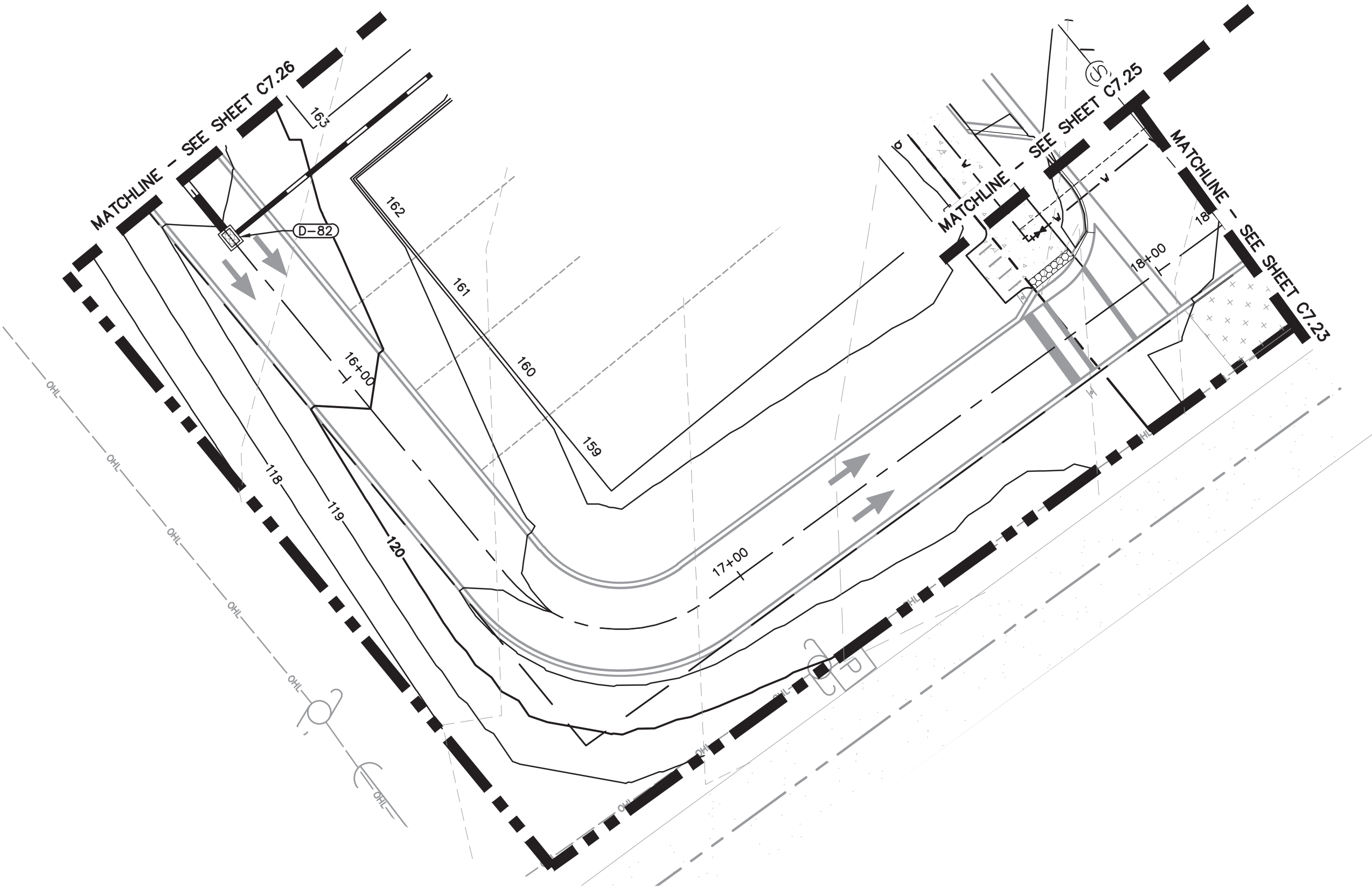
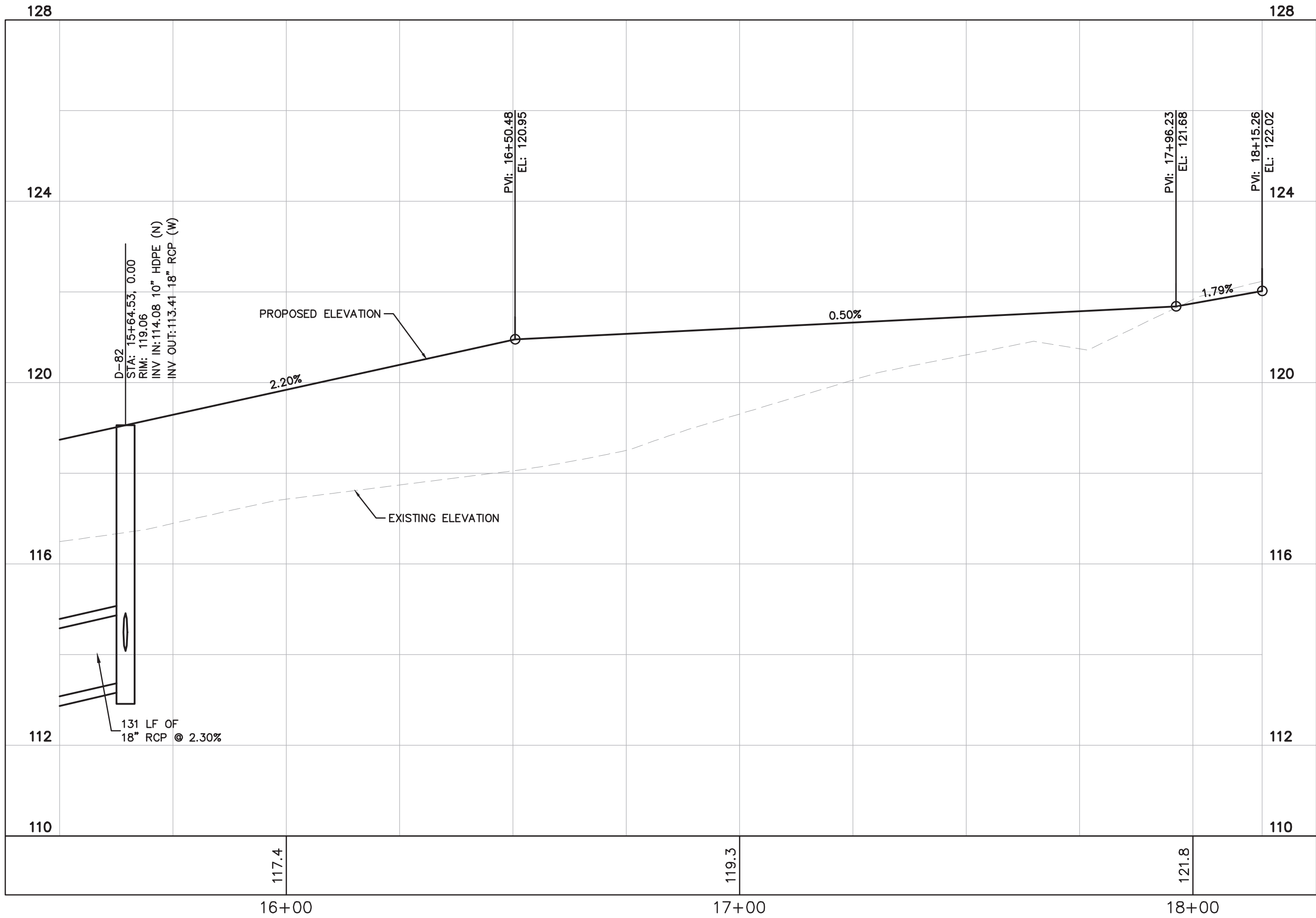
CITY OF APOPKA FLORIDA

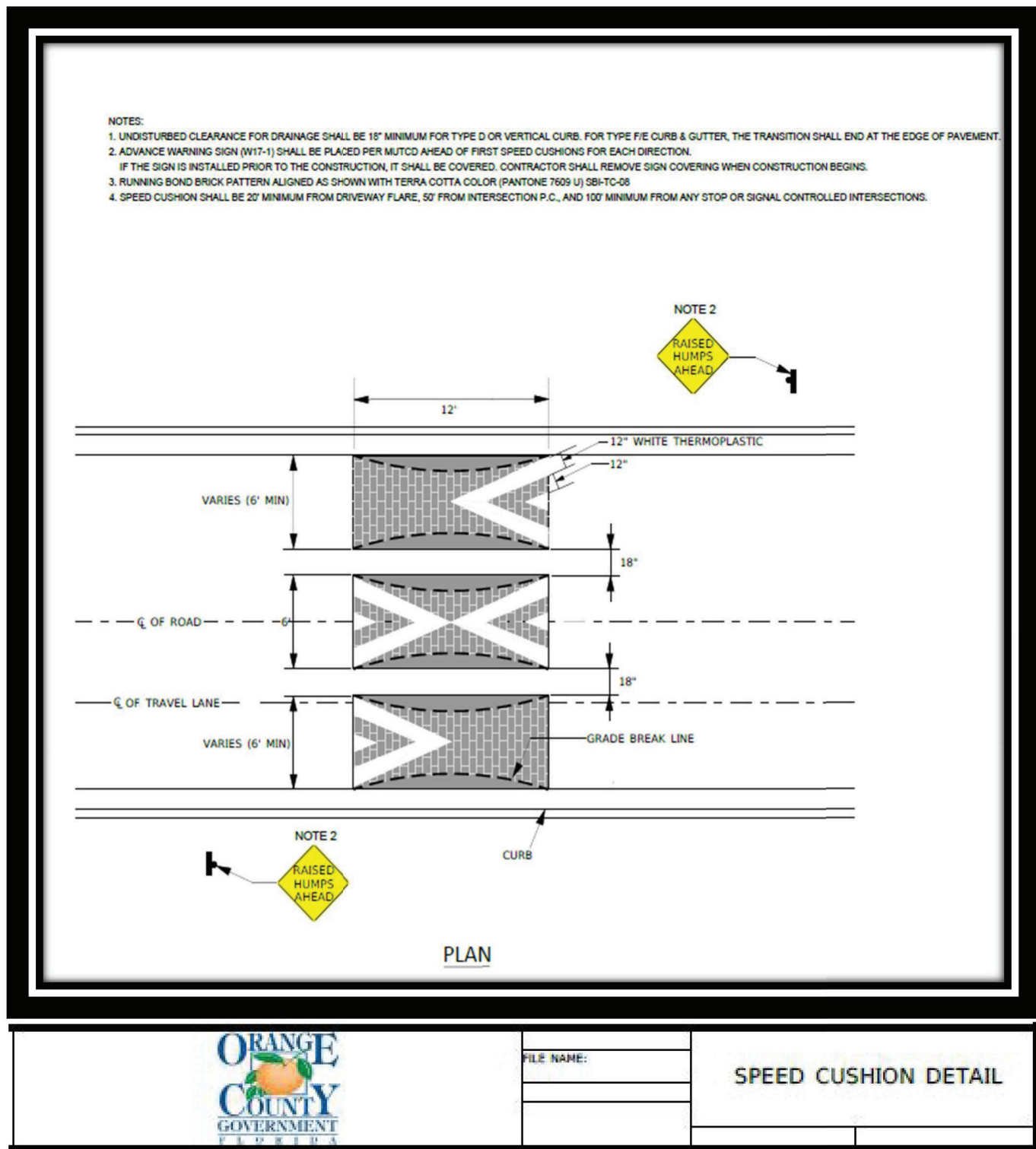
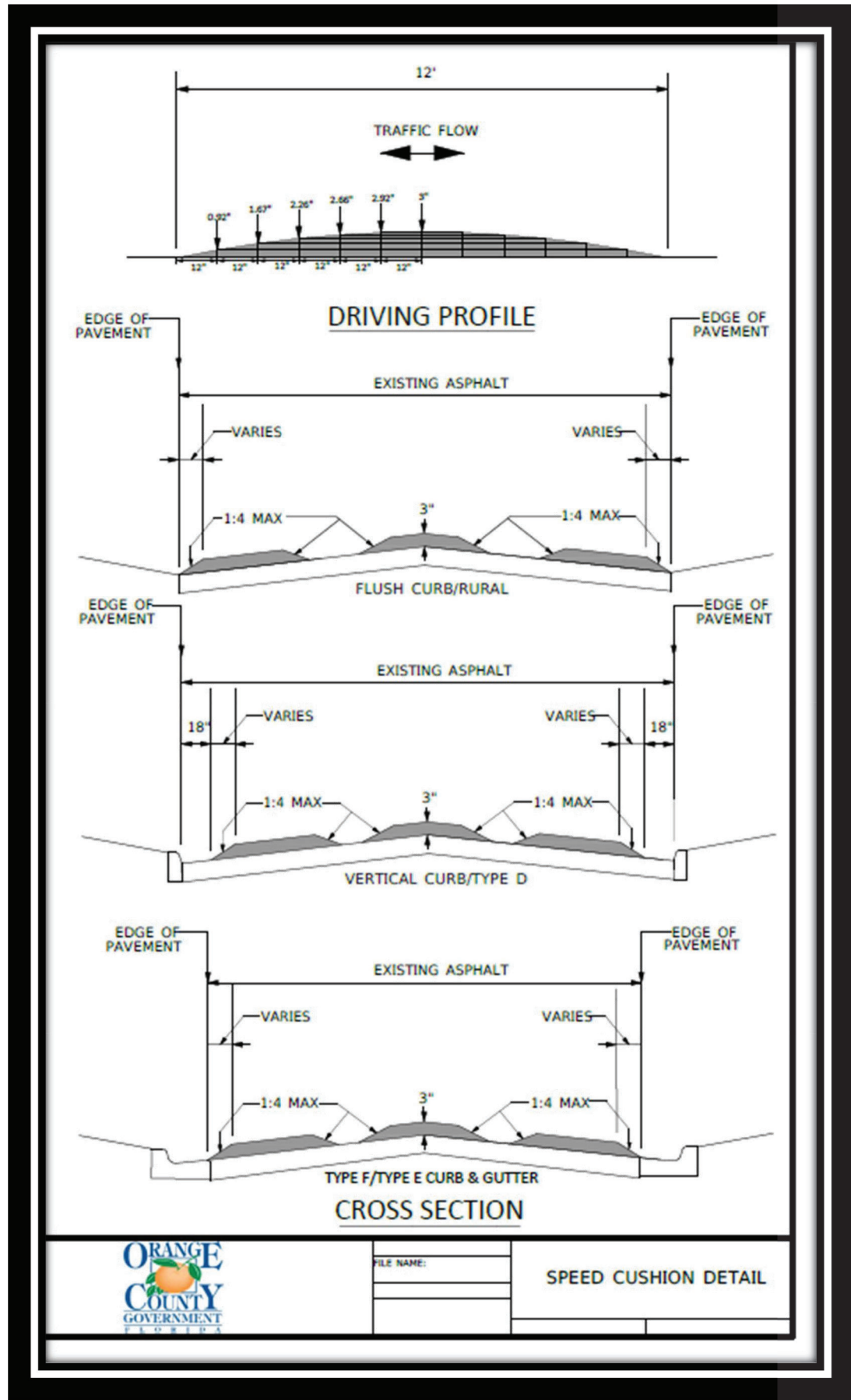
REVISIONS		DATE	BY
No.			

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

K-H PROJECT	249490000
DATE	03/10/2025
SCALE	AS SHOWN
DESIGNED BY	RMG
DRAWN BY	RMG
CHECKED BY	BSA

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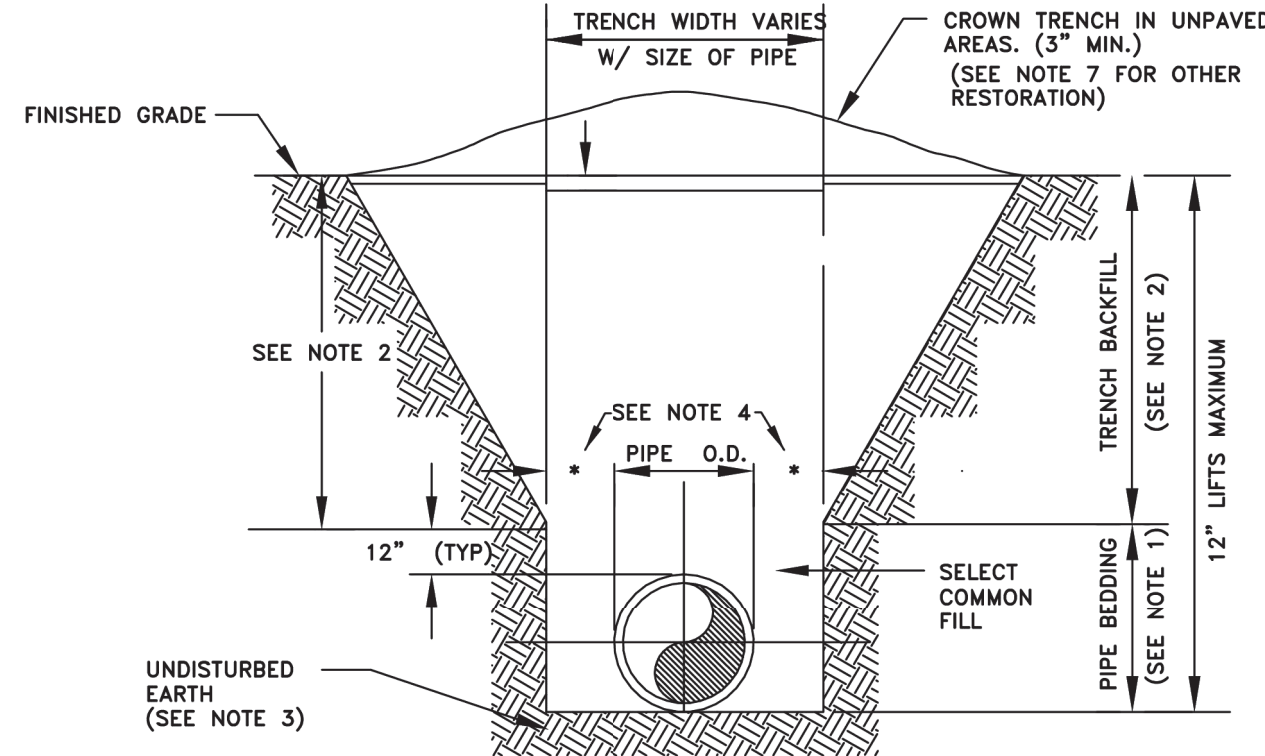




SHEET NUMBER		C9.1		CITY OF APOPKA		FLORIDA		GENERAL CONSTRUCTION DETAILS		K-H PROJECT 249490000		DATE 03/10/2025		SCALE AS SHOWN		DESIGNED BY RMG		DRAWN BY RMG		CHECKED BY BSA		DATE: 03/10/2025		P.E. BRIAN S. ASHBY FLORIDA PROFESSIONAL ENGINEER No. 00486		Digitally signed by Brian S. Ashby, DN: cn=Brian S. Ashby, o=Kimley-Horn and Associates, Inc., ou=Kimley-Horn and Associates, Inc., email=brian.ashby@kimley-horn.com, c=US, Date: 2025.03.10 15:08:59 -0400		© 2025 KIMLEY-HORN AND ASSOCIATES, INC. 200 S ORANGE AVE, SUITE 600, ORLANDO, FL 32801 PHONE: 407-898-1511 WWW.KIMLEY-HORN.COM		REGISTRATION No. 35106		Kimley»Horn																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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GENERAL NOTES

- [illegible]



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

TYPE "B" BEDDING AND OPEN-CUT DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. GN
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CITY OF AOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 100
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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'

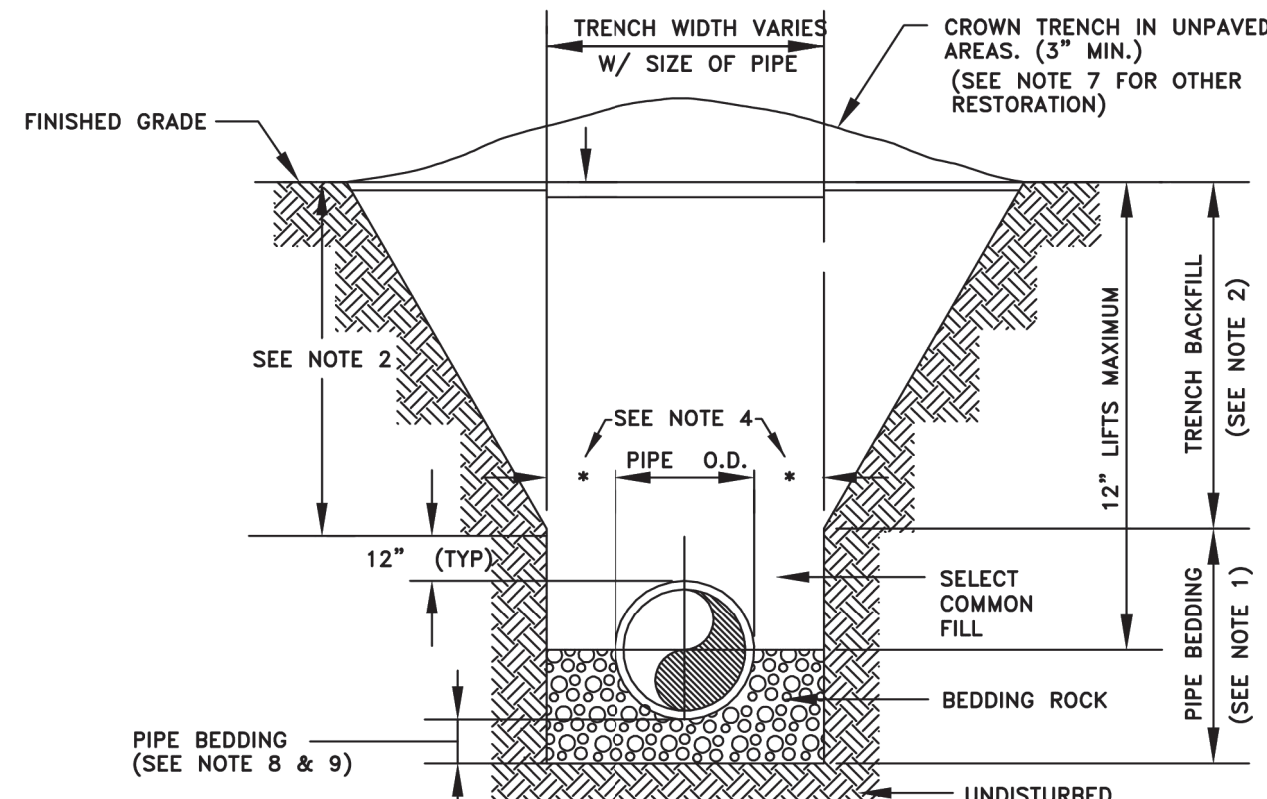
TES:

1. FITTINGS SHALL BE DUCTILE IRON RESTRAINED JOINT TYPE, FM FITTINGS TO BE LIMITED 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: <u>PVC</u>	
WORKING PRESSURE: <u>150</u> P.S.I.**	** FM = 100 P.S.I. /
SOIL DESIGNATION: <u>SM(SAND SILT)</u>	WM OR RWM = 150 P.S.I.
LAYING CONDITIONS: <u>3</u>	
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
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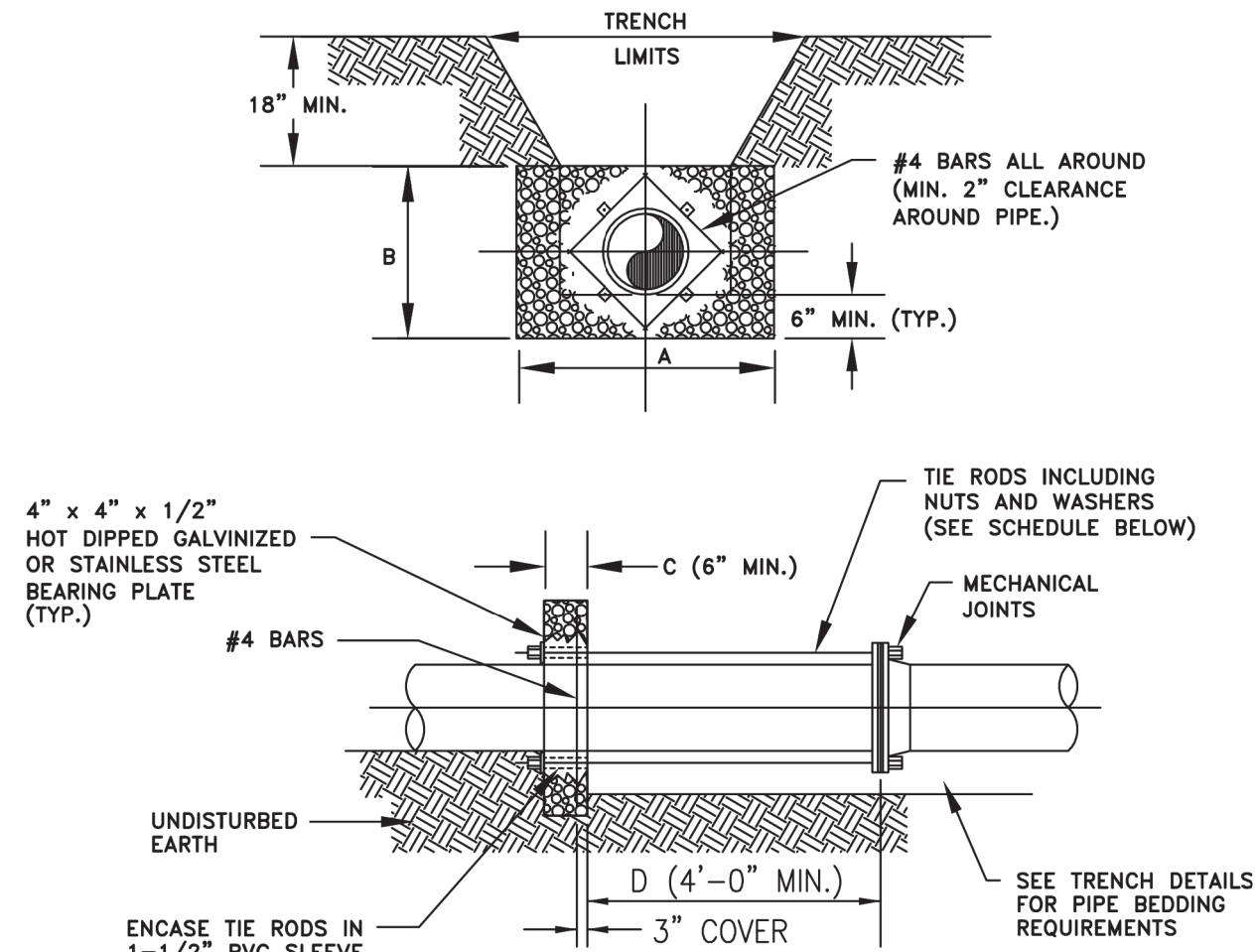


NOTES

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

TYPE "A" BEDDING AND OPEN-CUT DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 101
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1. ADDITIONAL REINFORCEMENTS SHALL BE AS SPECIFIED BY THE ENGINEER.
2. MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE SHALL BE 2500 P.S.I.
3. BEDDING, BACKFILL, AND COMPACTION SHALL BE AS SPECIFIED ELSEWHERE IN THE STANDARD DRAWINGS.
4. ALL FORM BOARDS SHALL BE REMOVED PRIOR TO BACKFILL.
5. NO ALLOWANCE SHALL BE MADE FOR FRICTION BETWEEN THE PIPE WALL AND THE THRUST COLLAR.
6. DESIGN PRESSURE: 150 P.S.I.

SCHEDULE OF DIMENSIONS AND MATERIALS *						
PIPE SIZE (INCHES)	DIMENSIONS (FT.)				TIE RODS REQ'D	
	A	B	C	D	DIA.	NO.
6	2.0	2.0	1.0		3/4"	2
8	2.5	2.5	1.0		3/4"	2
10	3.5	3.0	1.0		3/4"	4
12	5.0	3.0	1.0		3/4"	4
16	6.0	4.0	1.5		3/4"	4
20	8.0	5.0	1.5		3/4"	6
24	9.0	6.0	1.5		3/4"	8

NOTE: THRUST BLOCK AREAS TO BE COMPUTED ON BASIS OF _____ 2,000 _____
 LBS. PER SQ. FT. SOIL RESTRAINT _____ (1,500 MIN.)
 SEE NOTE 5

* TO BE COMPLETED BY ENGINEER.

WATER MAIN THRUST COLLAR DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 107
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PROPOSED UTILITY	HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS											
	POTABLE WATER				RECLAIMED WATER*		SANITARY SEWER MAIN		SANITARY SEWER GRAVITY MAIN		STORM SEWER	
	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.
POTABLE WATER	-	-	3'	12"	6'	12"	6'	12" 12'BELOW	3'	6"	-	-
RECLAIMED* WATER	3'	12"	-	-	-	3'	12"	3'	12"	-	-	-
SANITARY SEWER FORCE MAIN	6'	12"	3'	12"	-	-	-	-	-	-	-	-
SANITARY SEWER GRAVITY MAIN	6'	6' ABOVE 12'BELOW	3'	12"	-	-	-	-	-	-	-	-

GENERAL NOTES

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

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

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

HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 104
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LICENSED PROFESSIONAL
BRIAN S. ASHBY, P.E.
FLORIDA LICENSE NUMBER
80456
TE: 03/10/2025

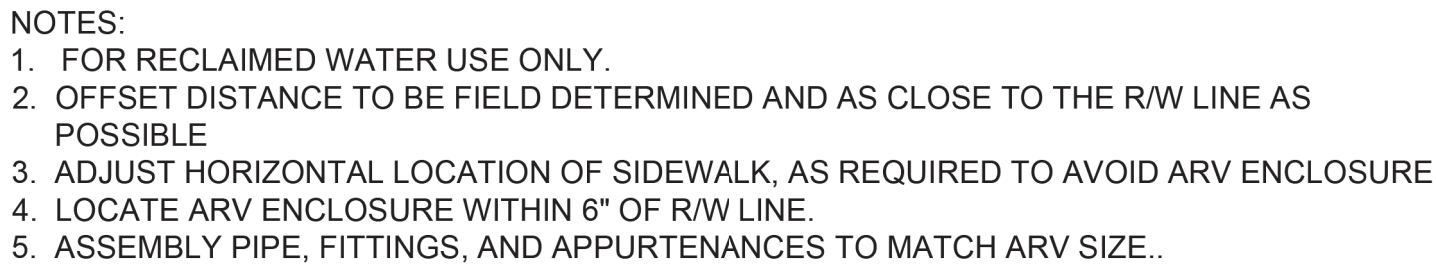
K-H PROJECT	DATE
249490000	03/10/2025
SCALE	AS SHOWN
DESIGNED BY	RMG
DRAWN BY	RMG
CHECKED BY	BSA

* PVC SHALL HAVE A MAXIMUM DIMENSION RATIO (DR) OF 18 AND HDPE SHALL BE MAX DR11. FORCEMAIN: PVC SHALL BE MAX DR18 UNLESS DESIGN REQUIRES OTHERWISE AND HDPE SHALL BE MAX DR17.

** BUTTERFLY VALVES SHALL BE CLASS 150B

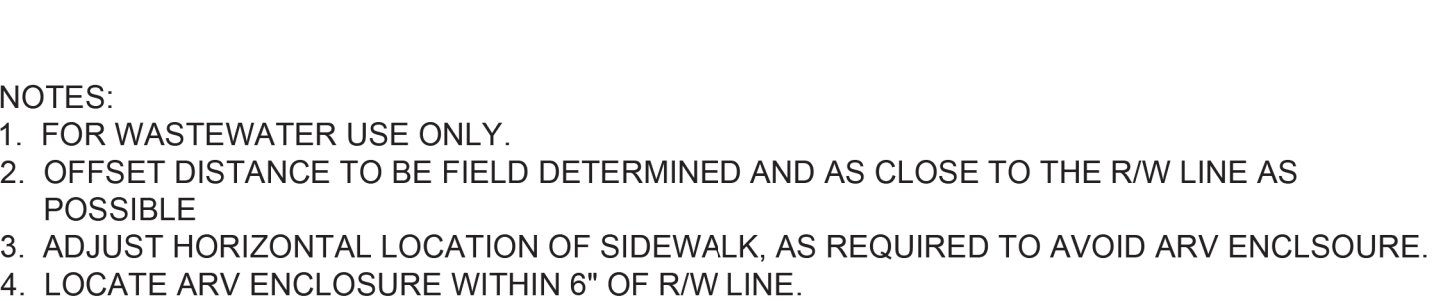
CITY OF APOPKA
DESIGN ENGINEERING DIVISION

FIG. 110



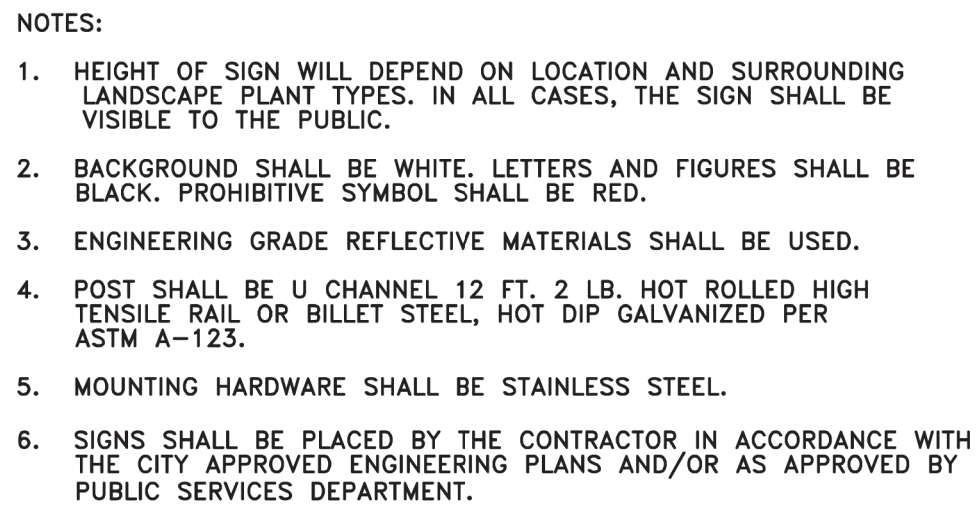
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FIG. 113



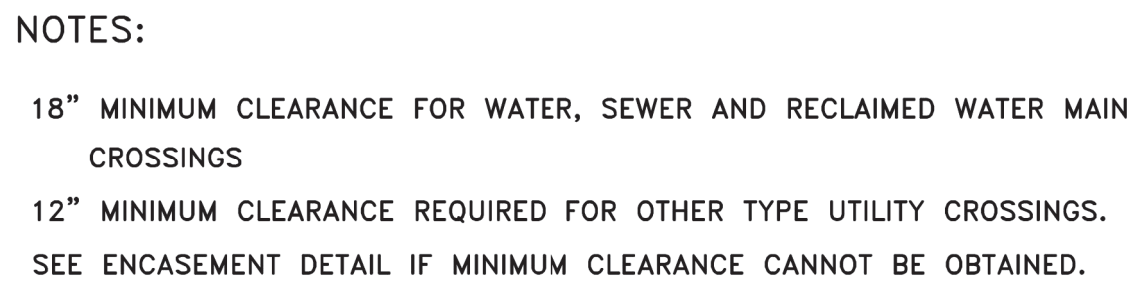
CITY OF APOPKA
DESIGN ENGINEERING DIVISION

FIG. 114

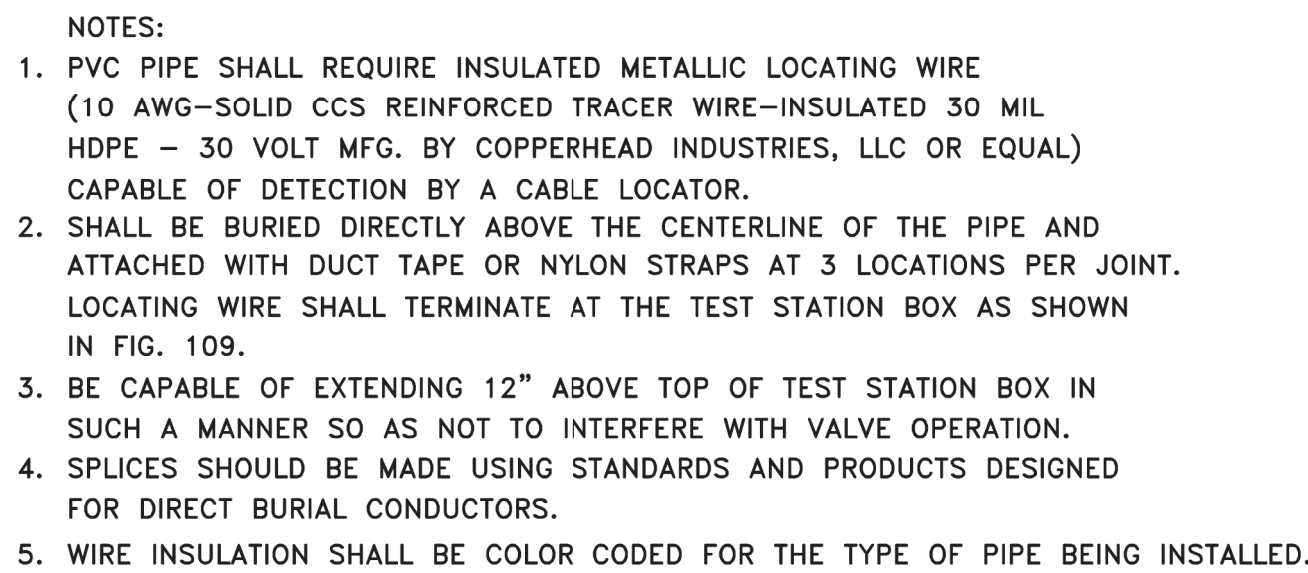


CITY OF APOPKA
DESIGN ENGINEERING DIVISION

FIG. 115

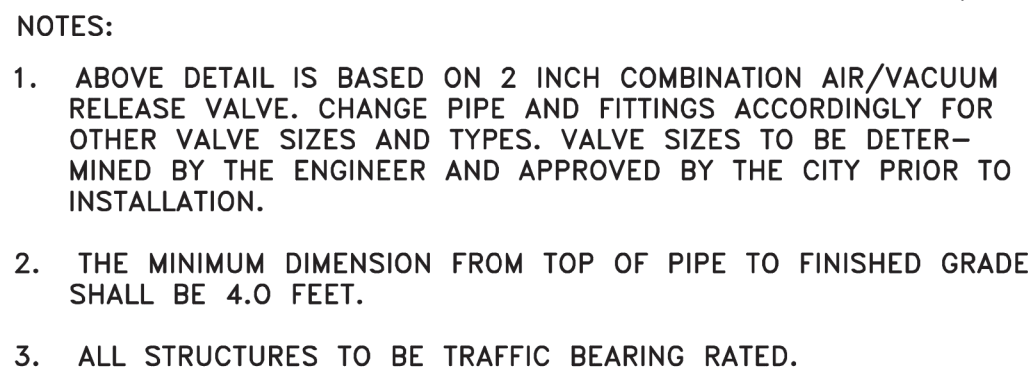


UTILITY CROSSING PIPE DEFLECTION DETAIL



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

FIG. 118



CITY OF APOPKA
DESIGN ENGINEERING DIVISION

FIG. 119

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

DATE	03/10/2025	BRIAN S. ASHBY, P.E.	LICENSED PROFESSIONAL
SCALE	AS SHOWN		
DESIGNED BY	RMG	FLORIDA LICENSE NUMBER	
DRAWN BY	RMG	80456	
CHECKED BY	BSA	DATE: 03/10/2025	

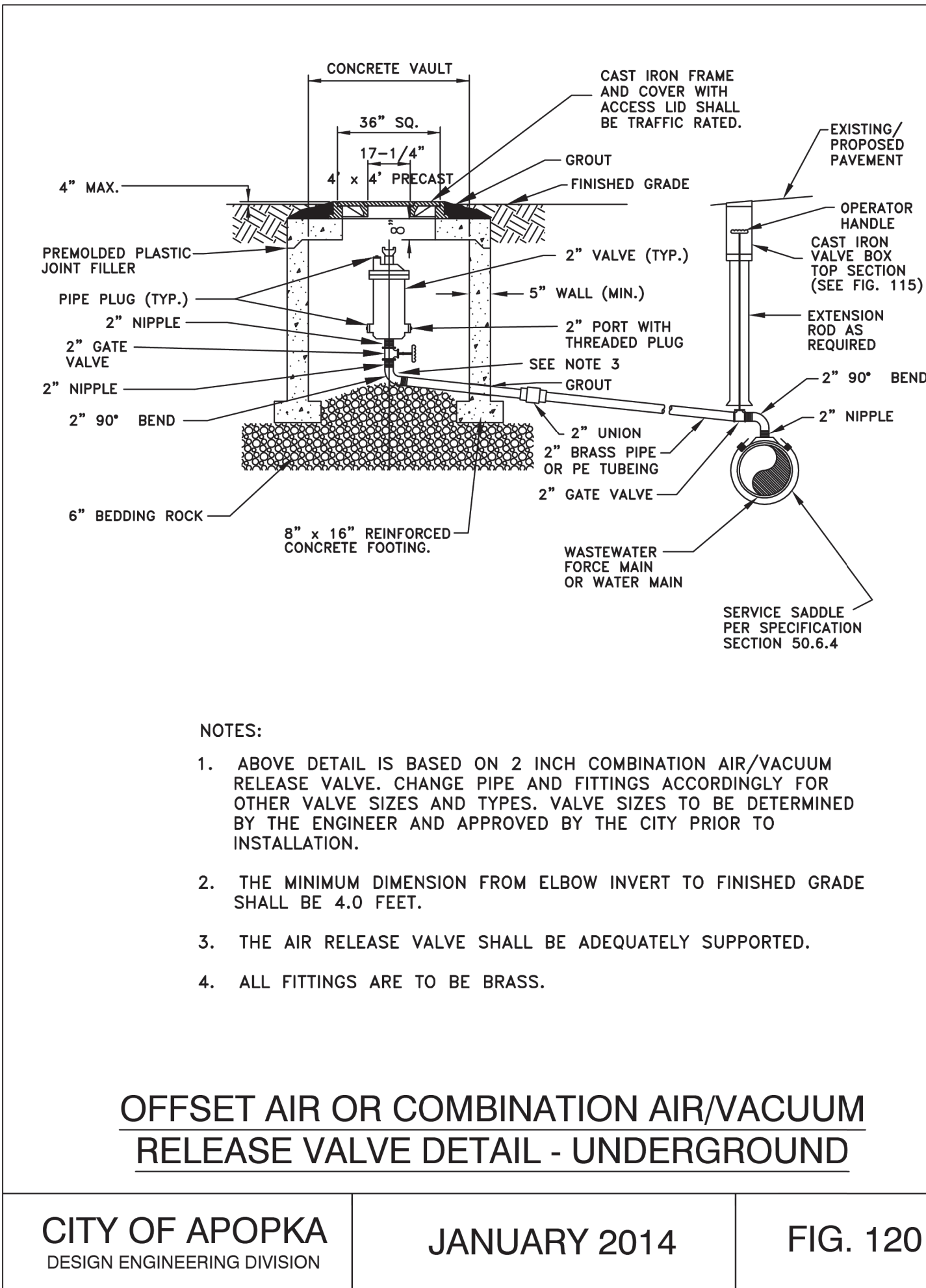
CITY OF APOPKA DETAILS

CHANDLER OAKS

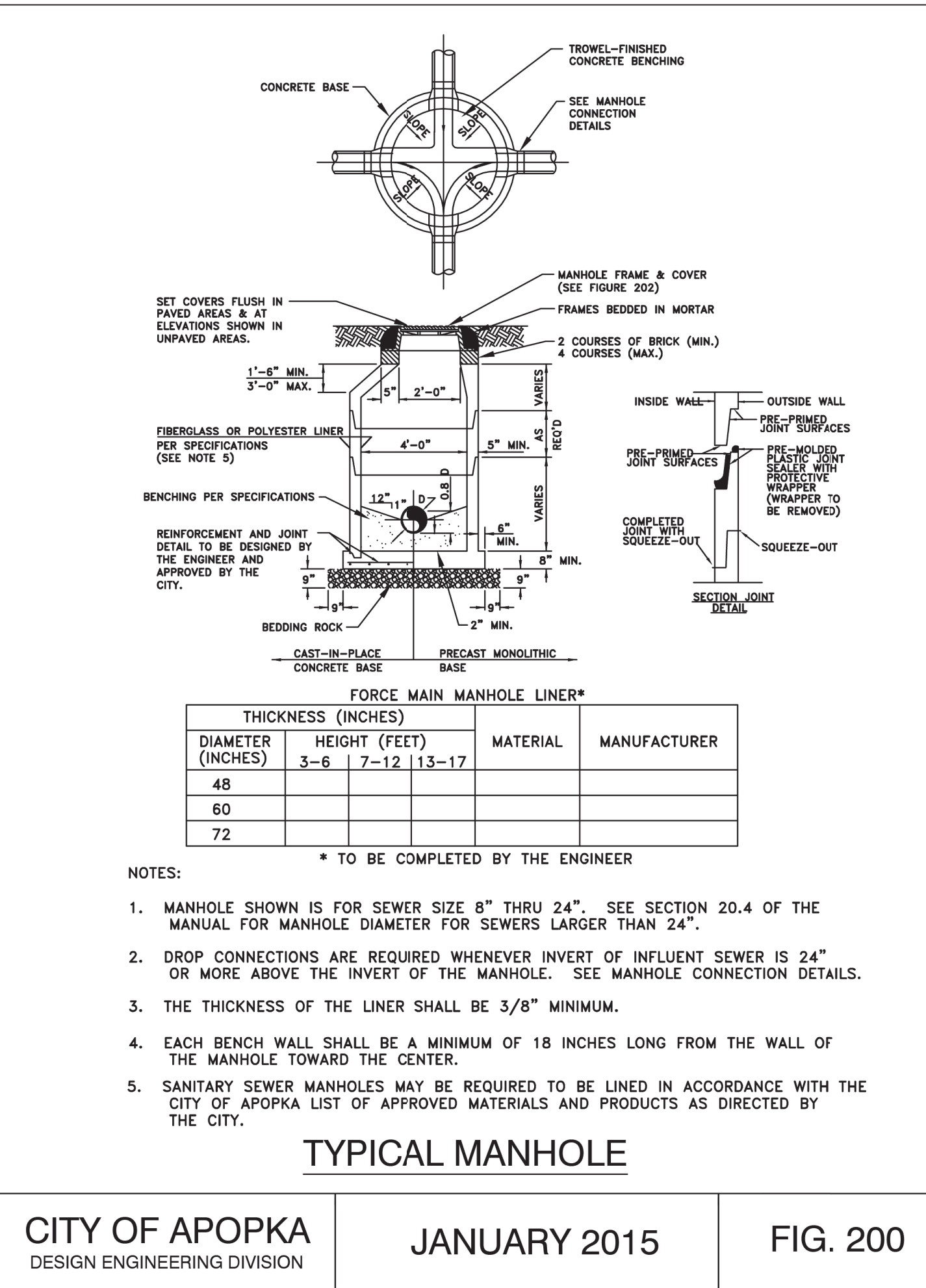
CITY OF APOPKA

SHEET NUMBER
C10.1

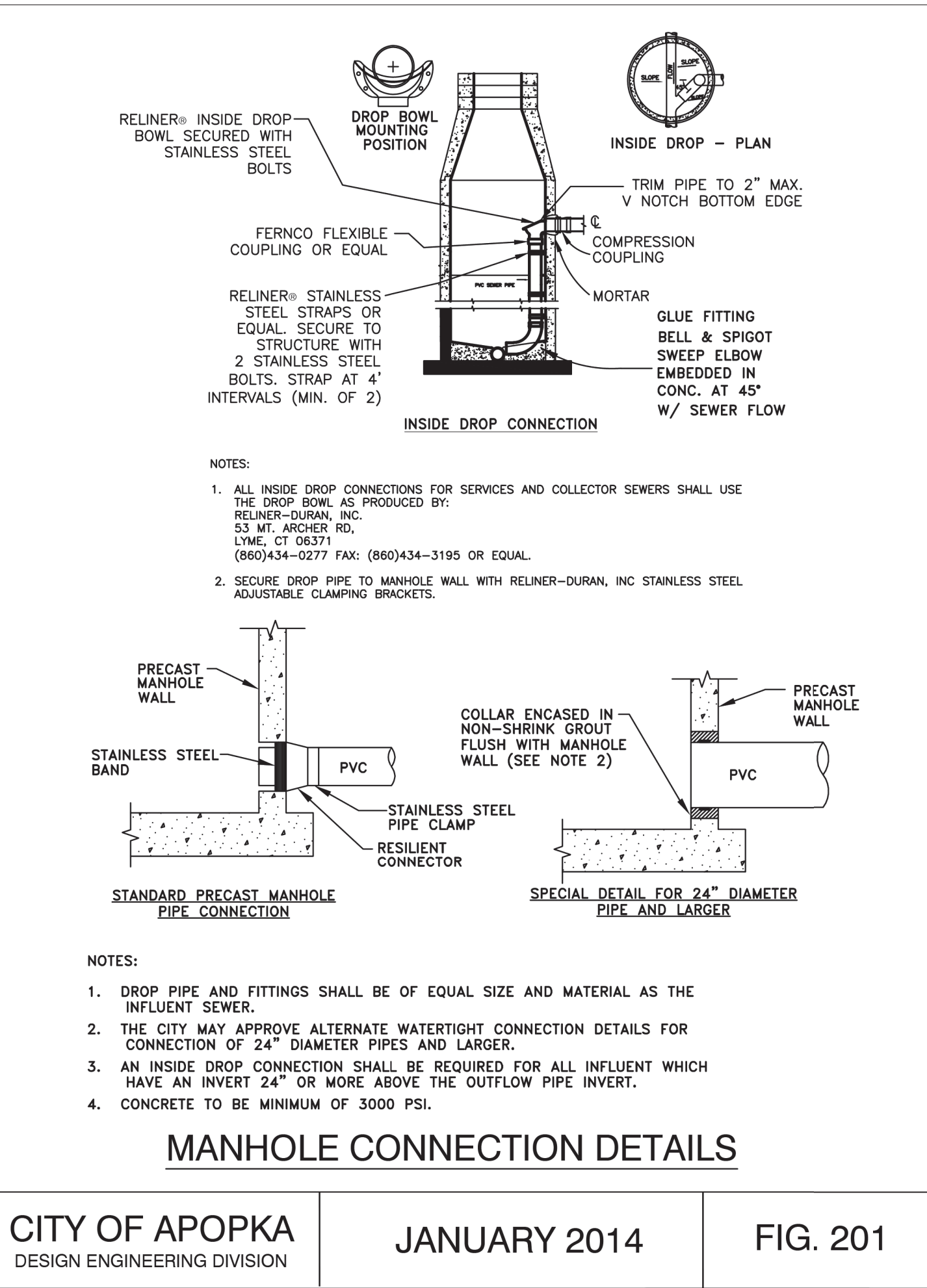
Plotted By: Gonzalez, Randy - Sheet Set: Kelly Park - CSP - Layout: C10.2 CITY OF APOPKA DETAILS March 10, 2025 09:37:30am K:\proj\civil\249490000-kelly park mixed use\CADD\CONSTRUCTION\ - csp\C10.2 CITY OF APOPKA DETAILS.dwg
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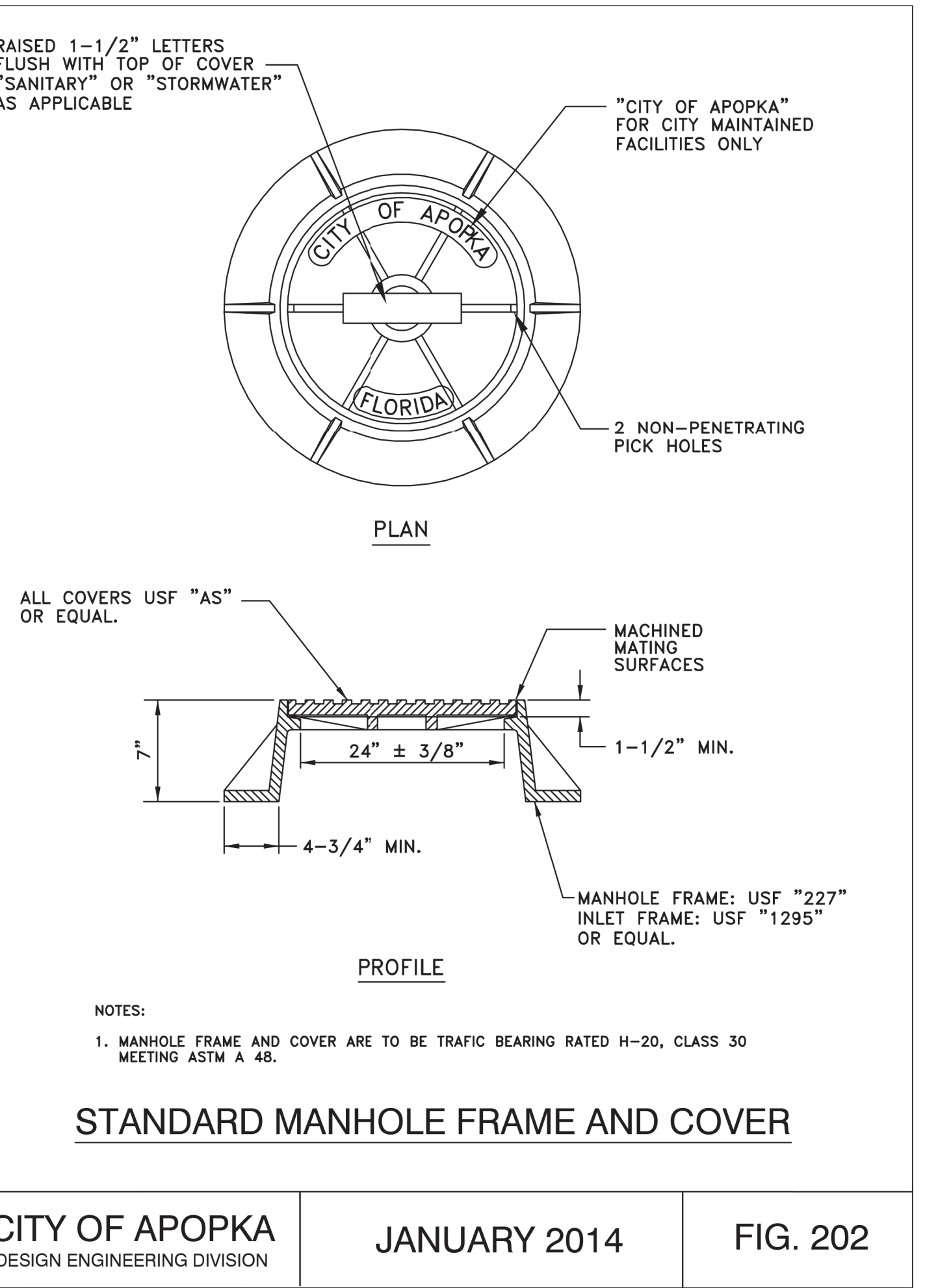
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 120
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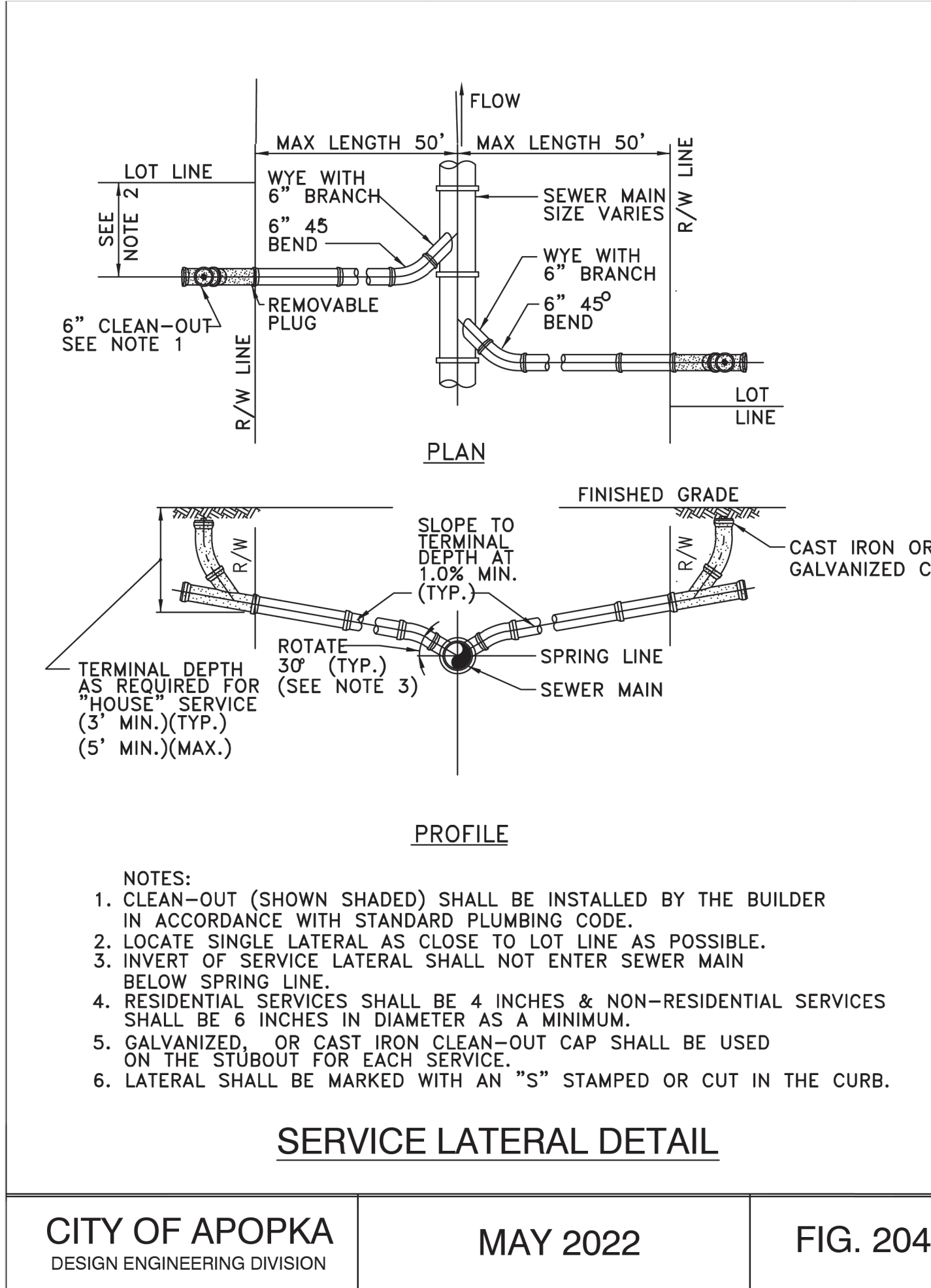
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2015	FIG. 200
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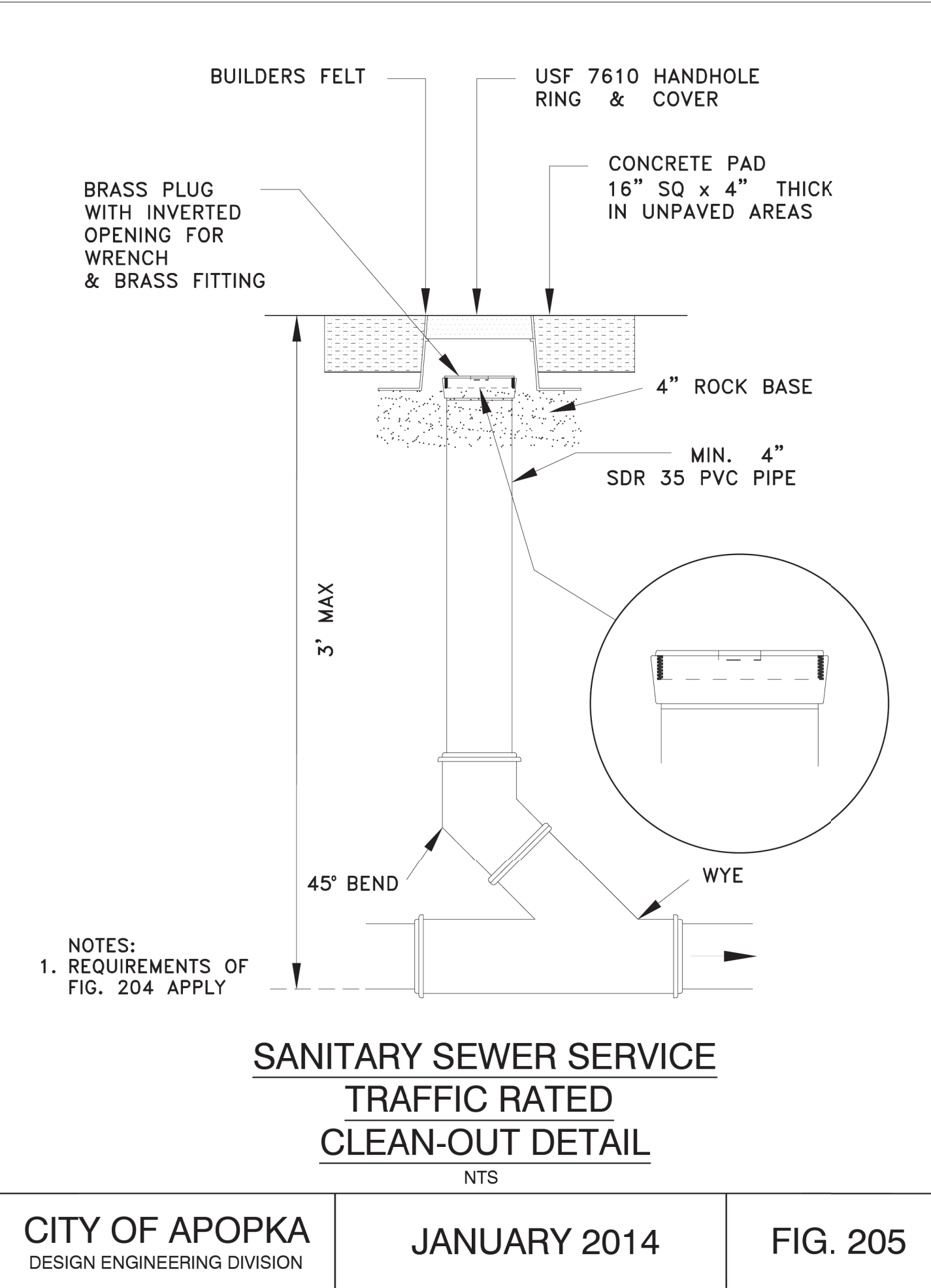
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 201
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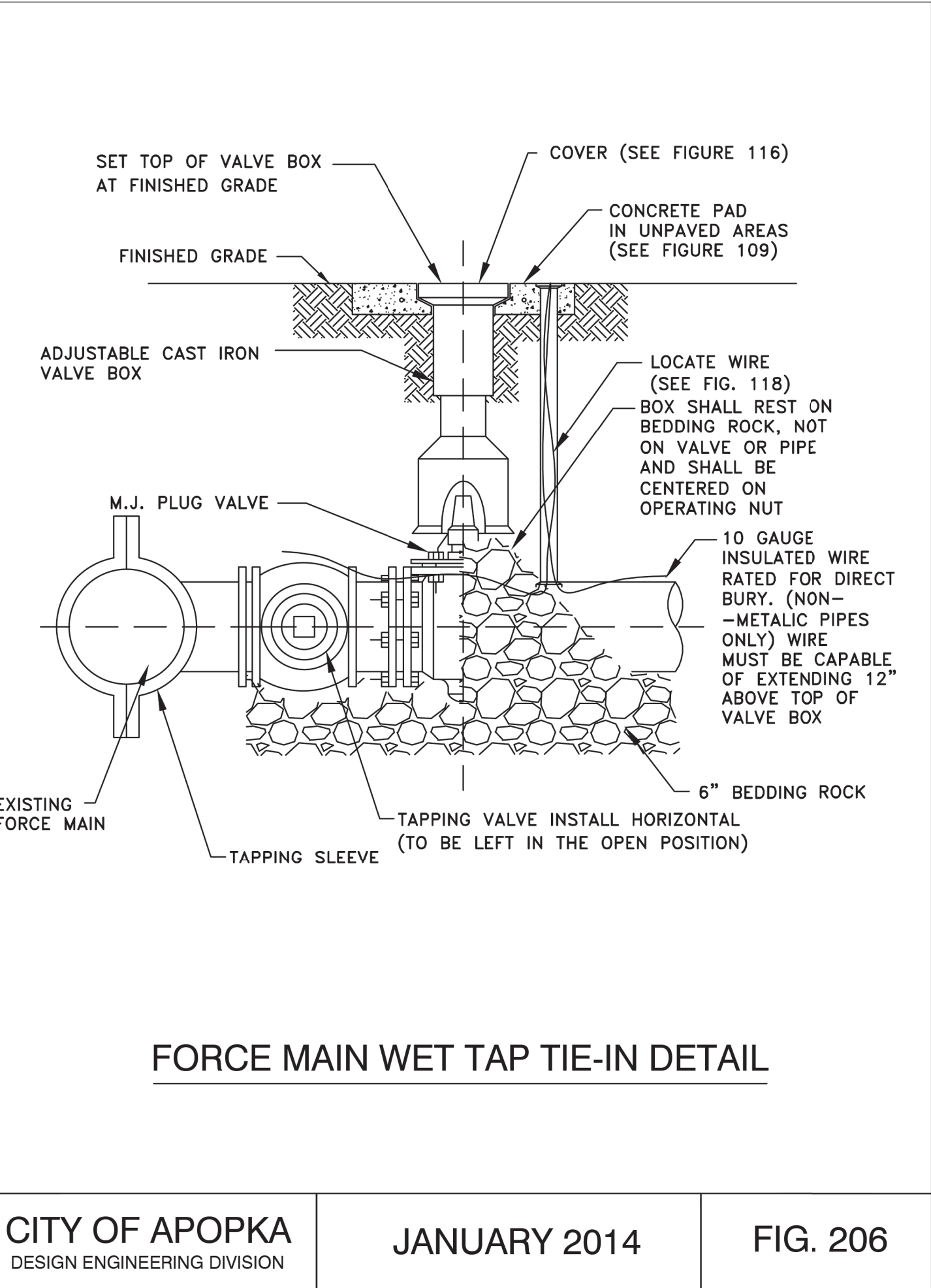
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 202
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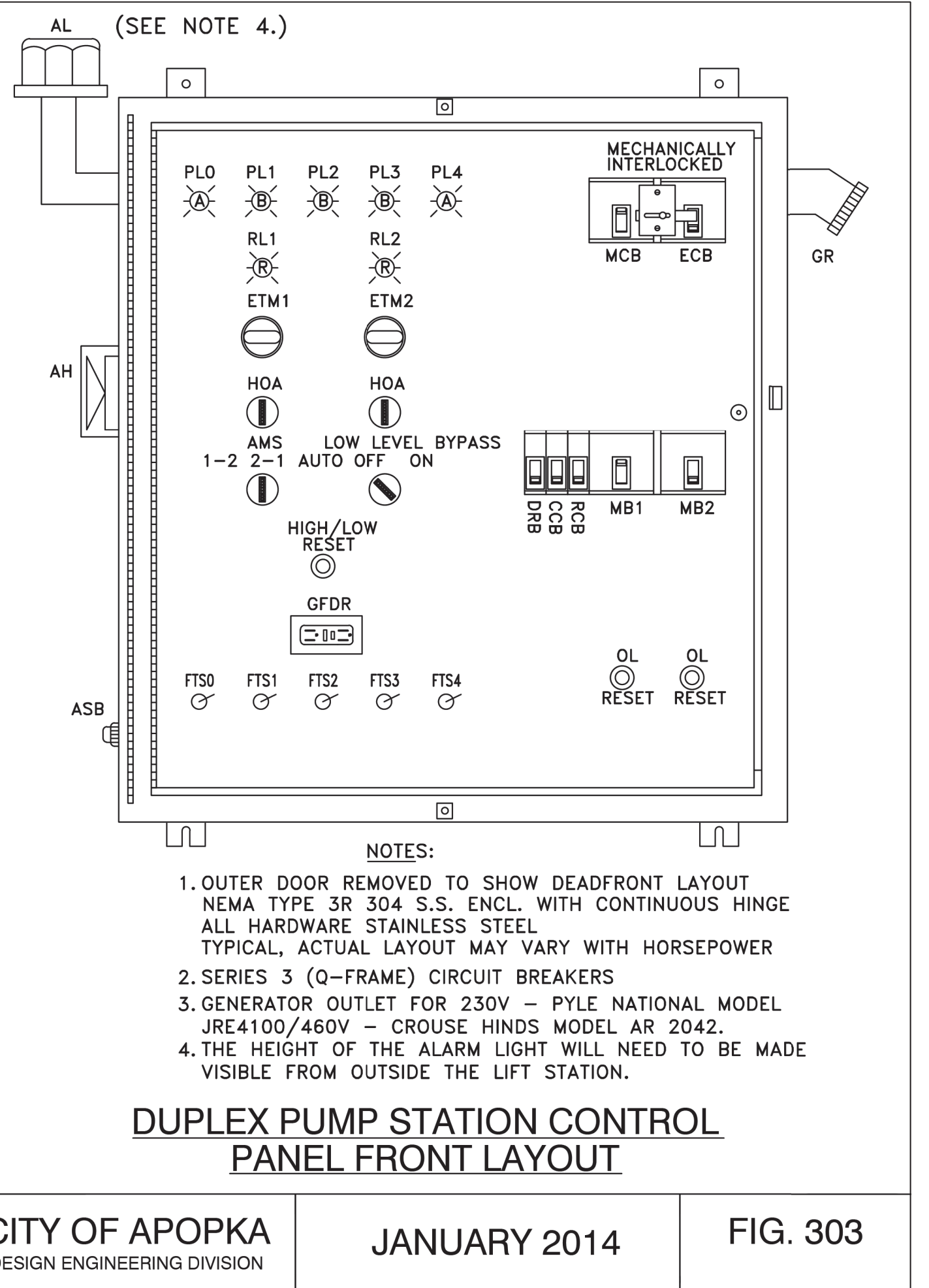
CITY OF APOPKA DESIGN ENGINEERING DIVISION	MAY 2022	FIG. 204
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CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 205
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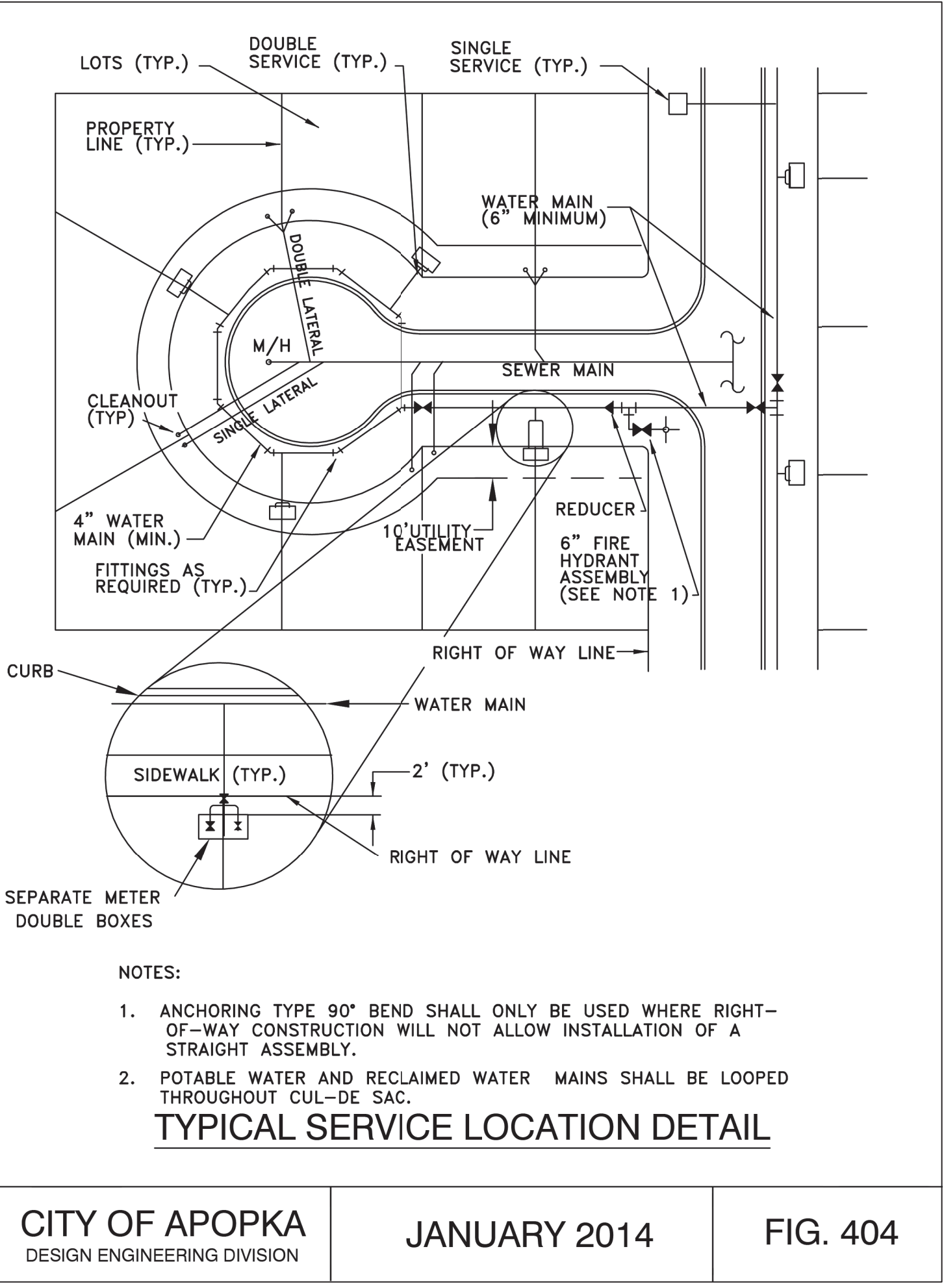
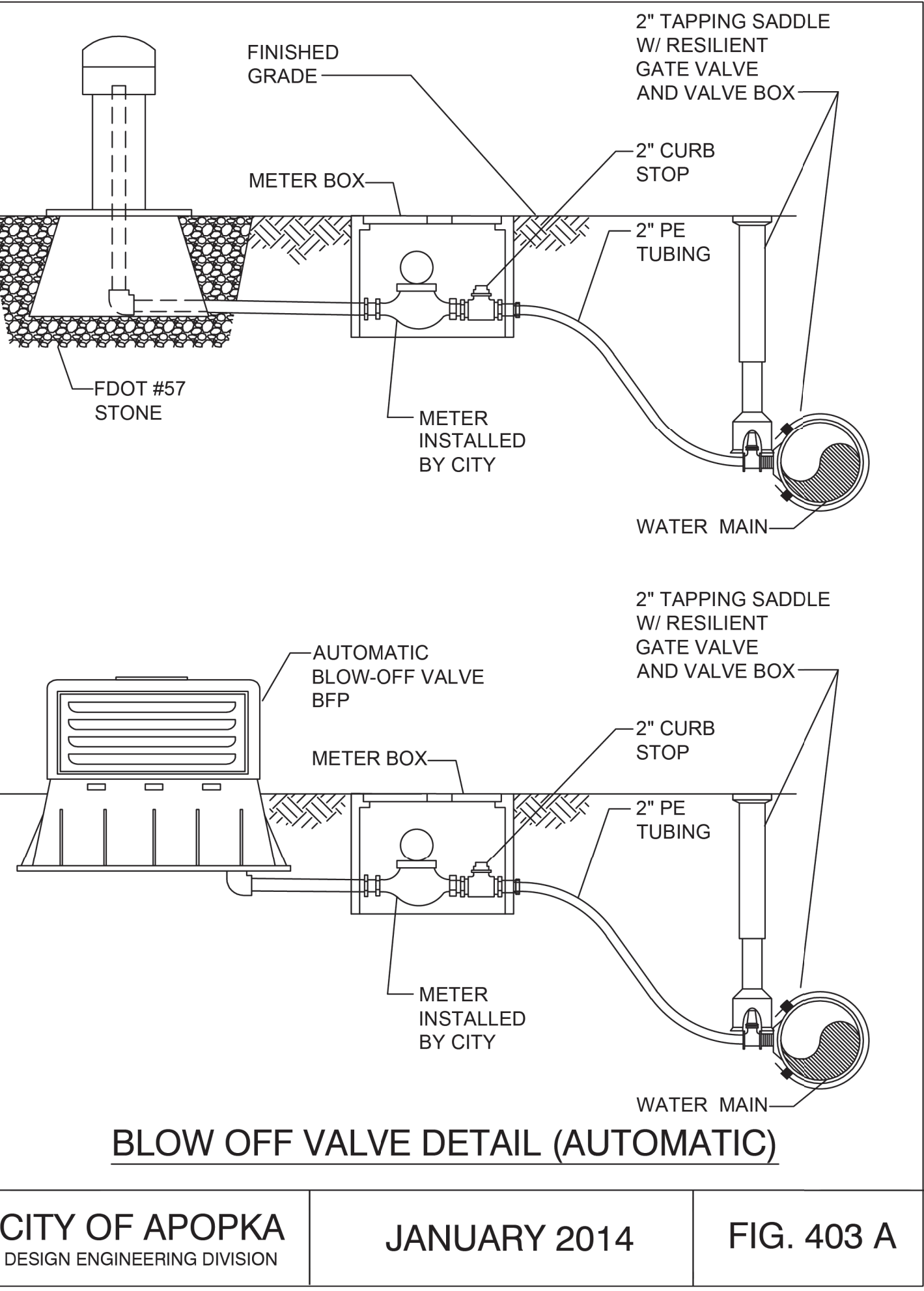
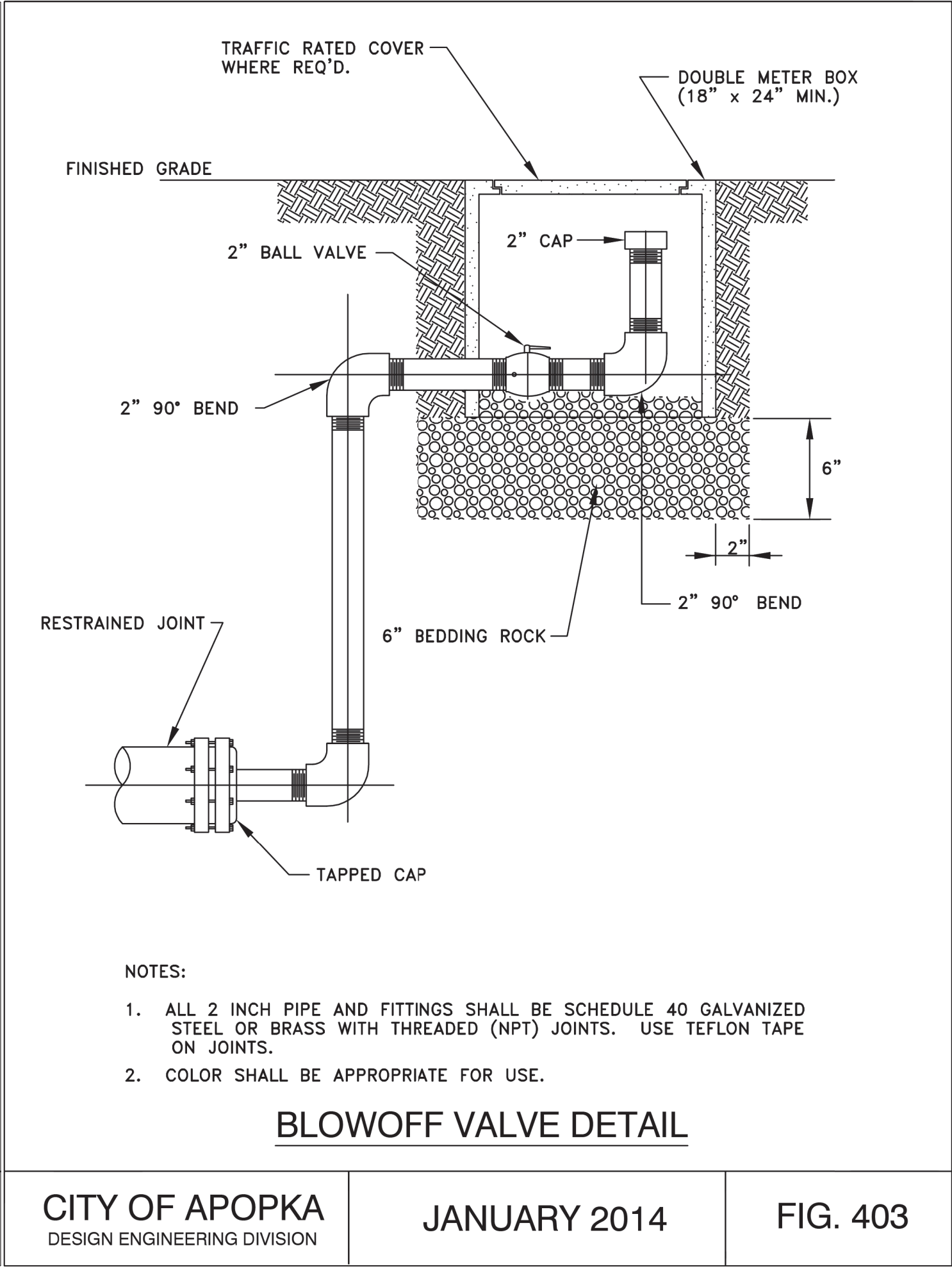
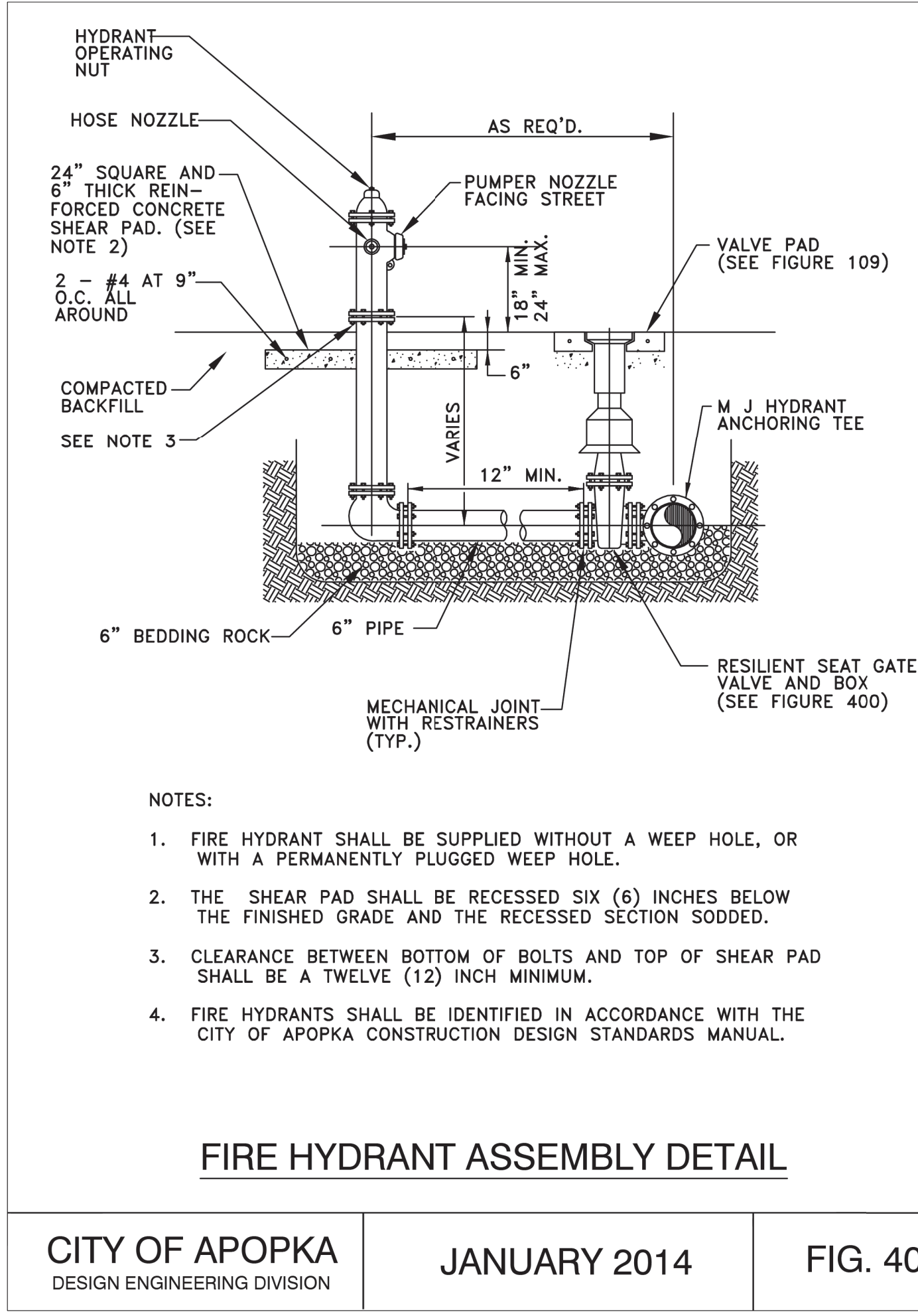
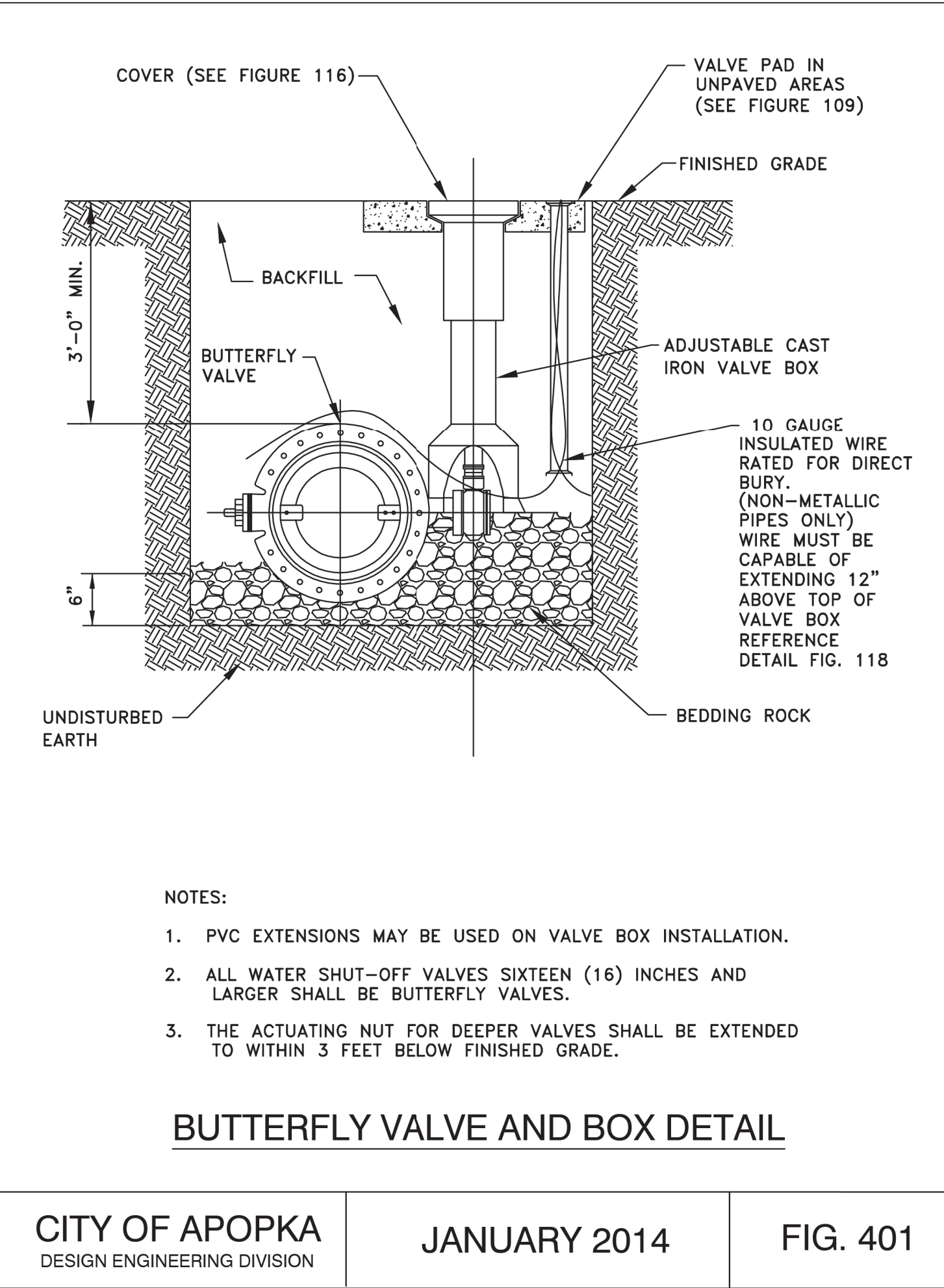
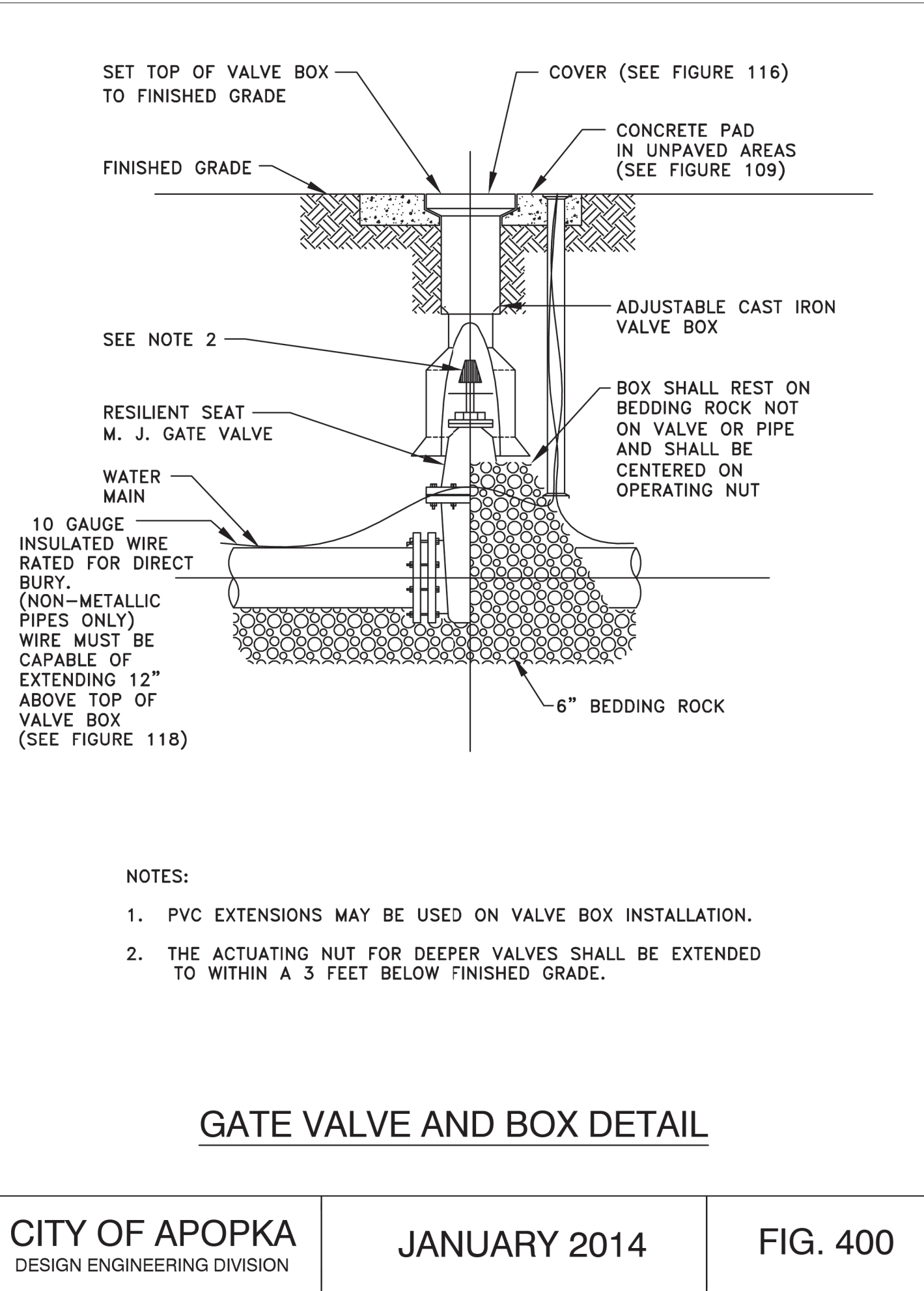
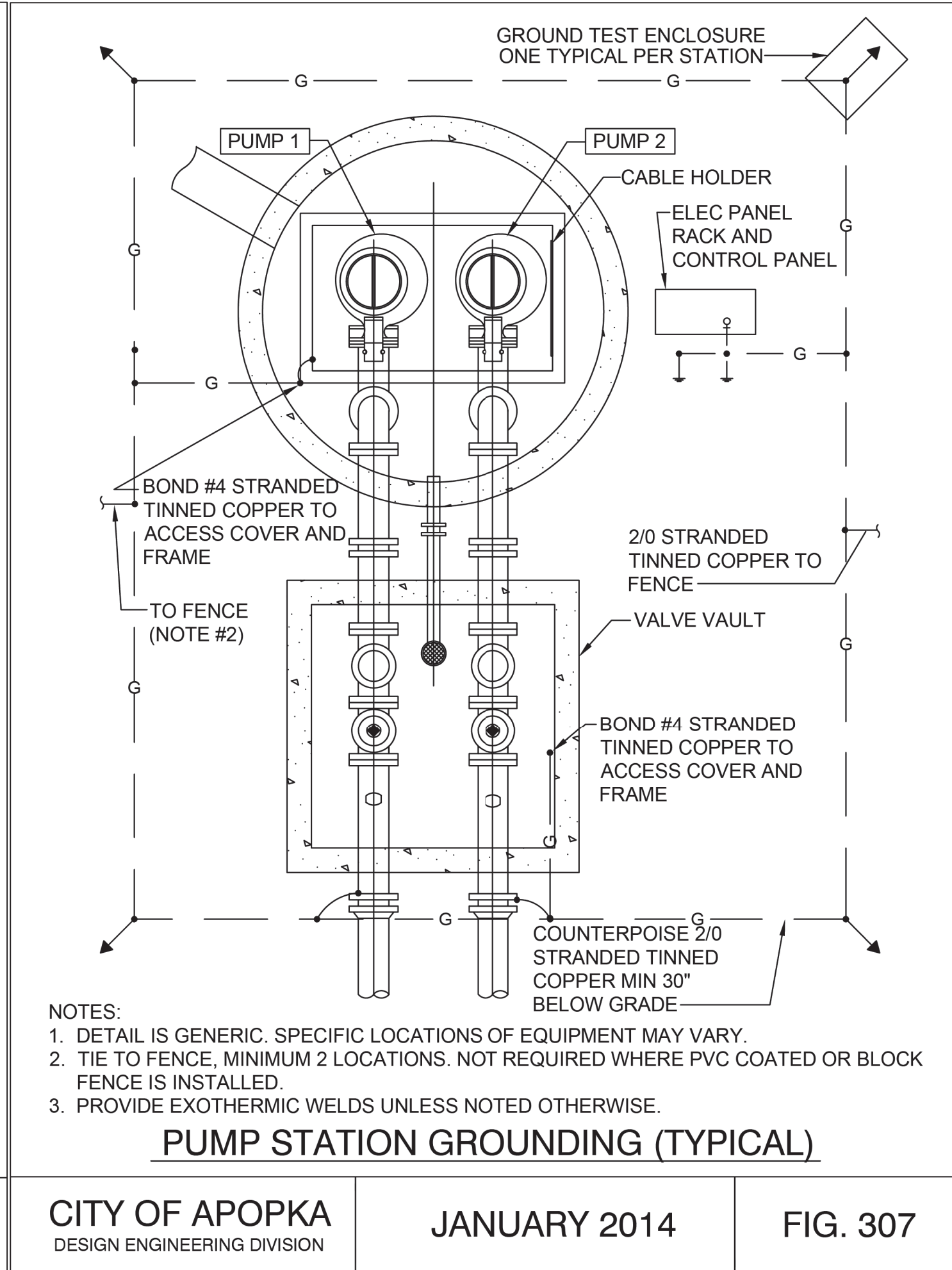
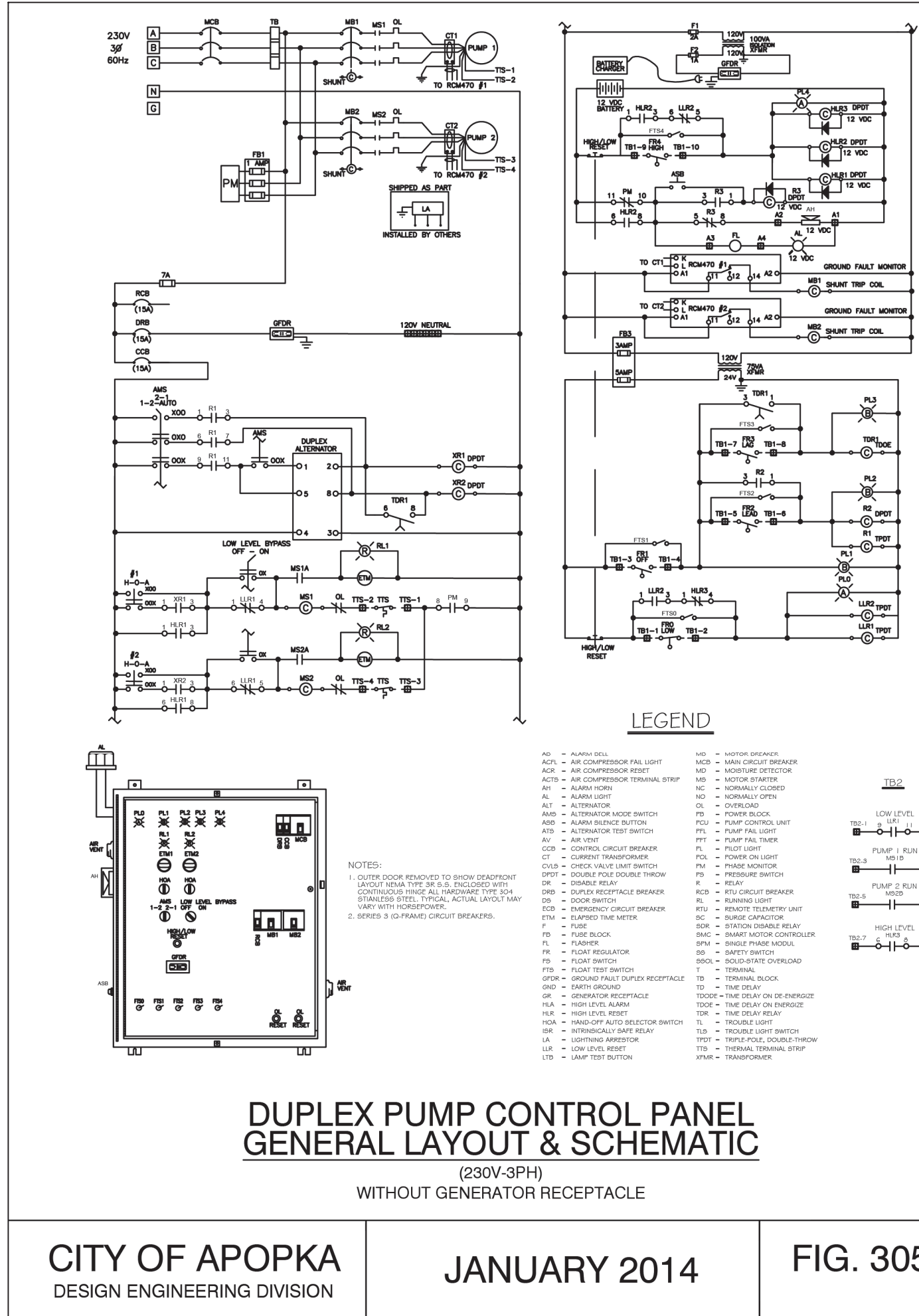
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 206
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CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 303
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CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
JANUARY 2014		JANUARY 2015		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 120		FIG. 200		FIG. 201		FIG. 202		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
MAY 2022		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
MAY 2022		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
MAY 2022		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
MAY 2022		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
MAY 2022		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
MAY 2022		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
MAY 2022		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
MAY 2022		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
MAY 2022		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
MAY 2022		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
MAY 2022		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
MAY 2022		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
MAY 2022		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
MAY 2022		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
MAY 2022		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
MAY 2022		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014		JANUARY 2014	
FIG. 204		FIG. 205		FIG. 206		FIG. 303		FIG. 303	
CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION		CITY OF APOPKA DESIGN ENGINEERING DIVISION	
MAY 2022		JANUARY 2014		JANUARY 2014					

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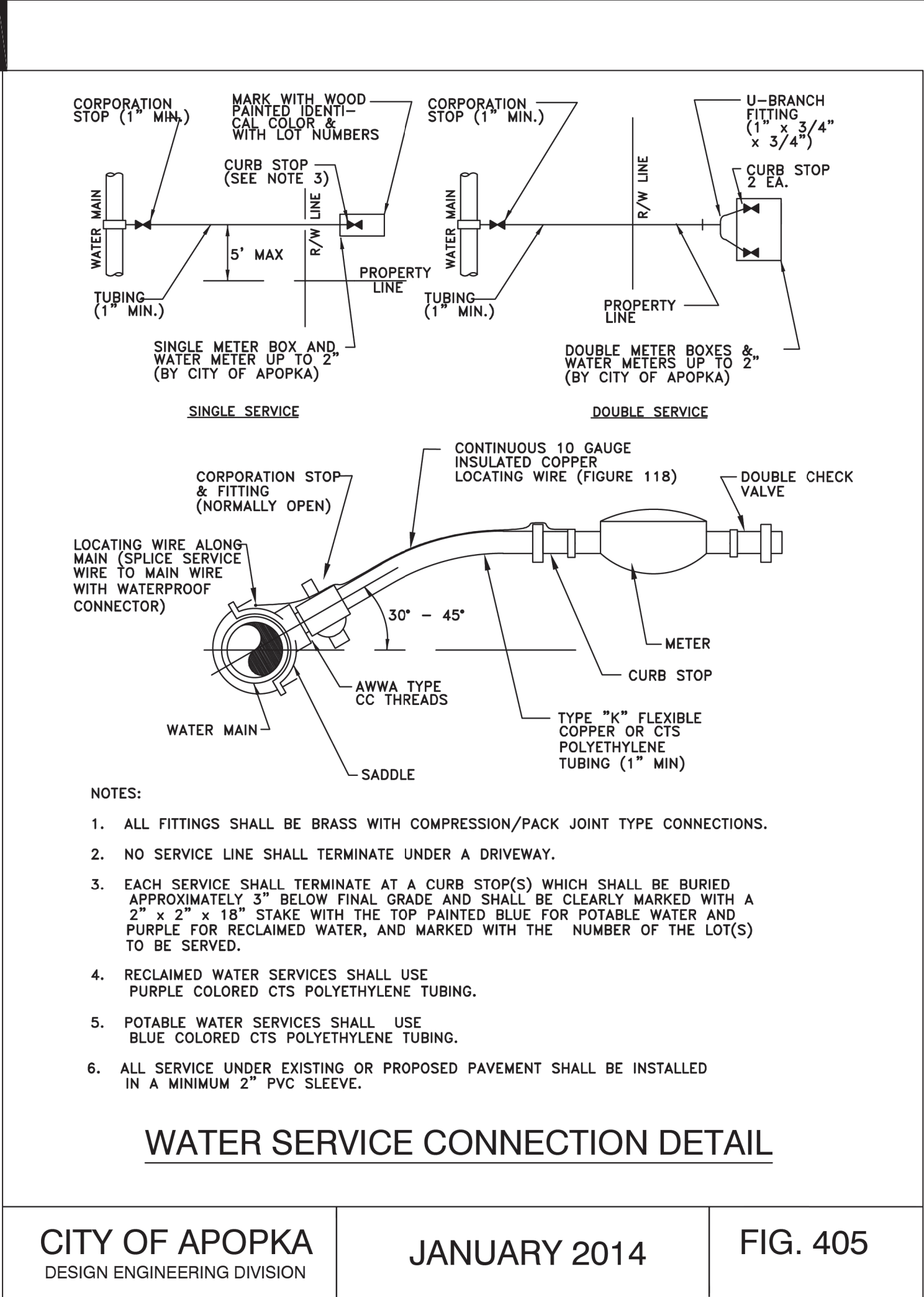


K-H PROJECT 249490000		DATE 03/10/2025		SCALE AS SHOWN		DESIGNED BY RMG		DRAWN BY RMG		CHECKED BY BSA		CITY OF APOPKA FLORIDA		SHEET NUMBER C10.3					
LISCENSED PROFESSIONAL BRIAN S. ASHBY, P.E. FLORIDA LICENSE NUMBER 80456												© 2025 KIMLEY-HORN AND ASSOCIATES, INC. 200 S ORANGE AVE. SUITE 600, ORLANDO, FL 32801 PHONE: 407-898-1511 WWW.KIMLEY-HORN.COM REGISTRATION No. 35106							
Kimley-Horn												REVISIONS				DATE		BY	

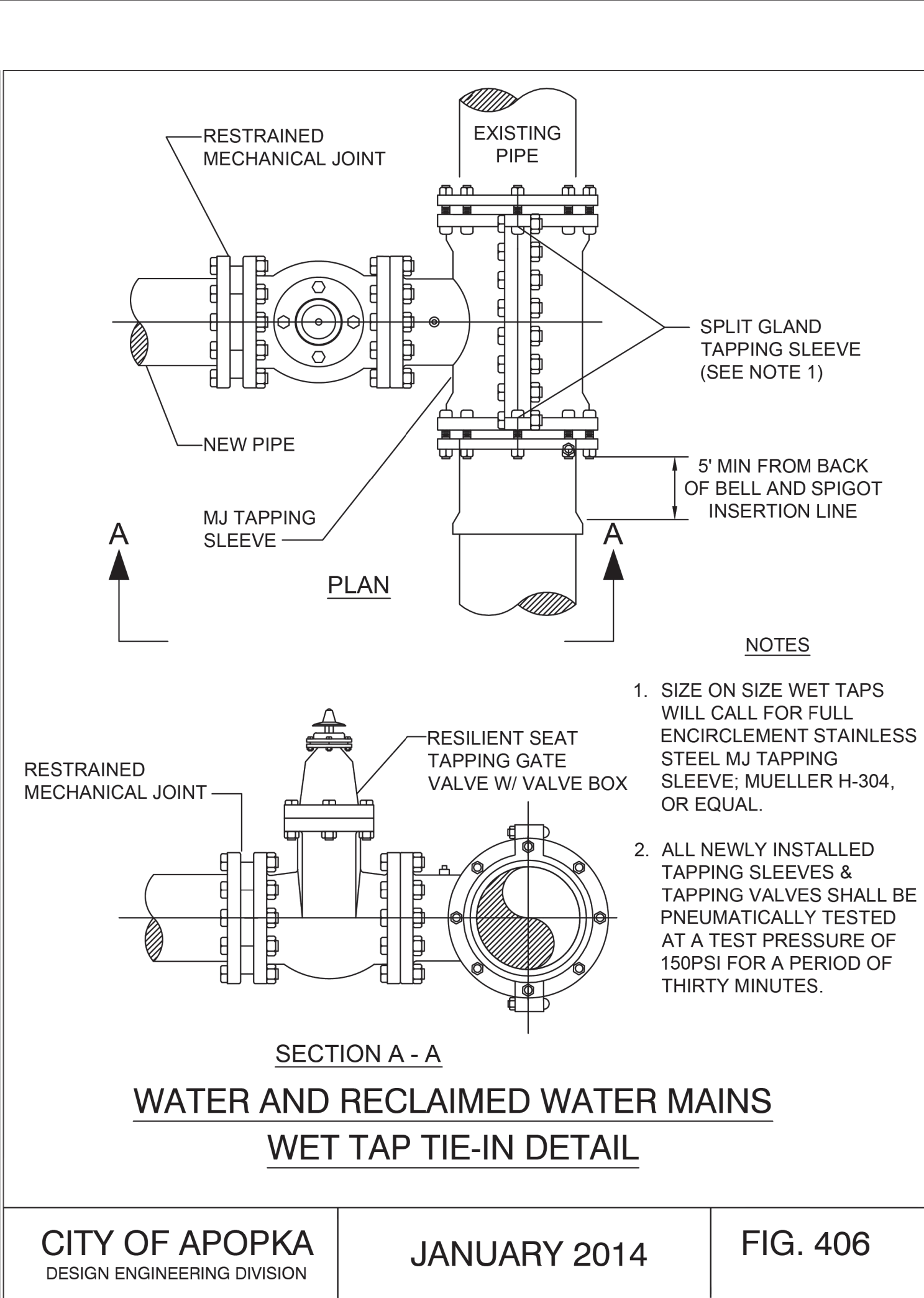
**CITY OF APOPKA
DETAILS**

CHANDLER OAKS

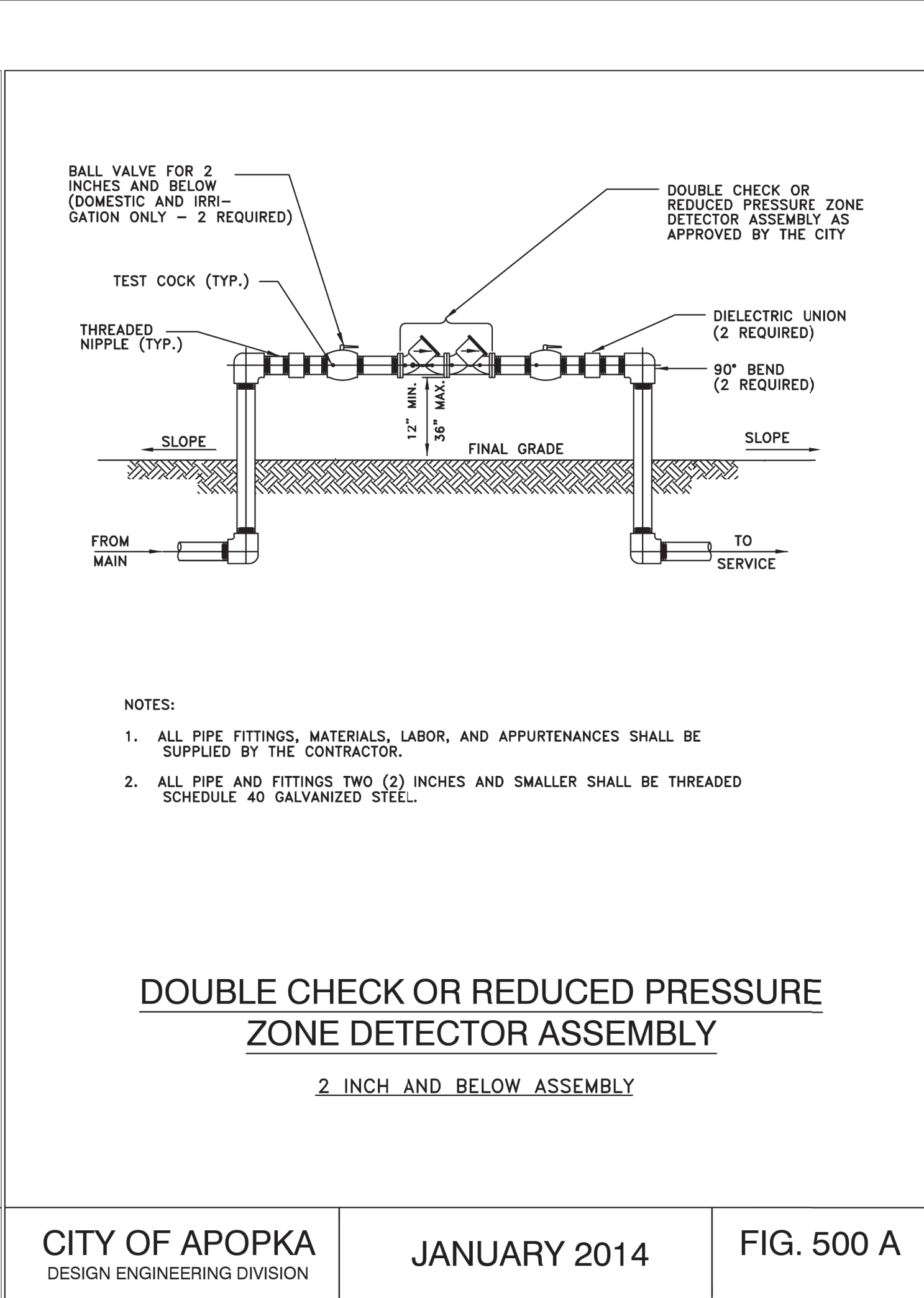
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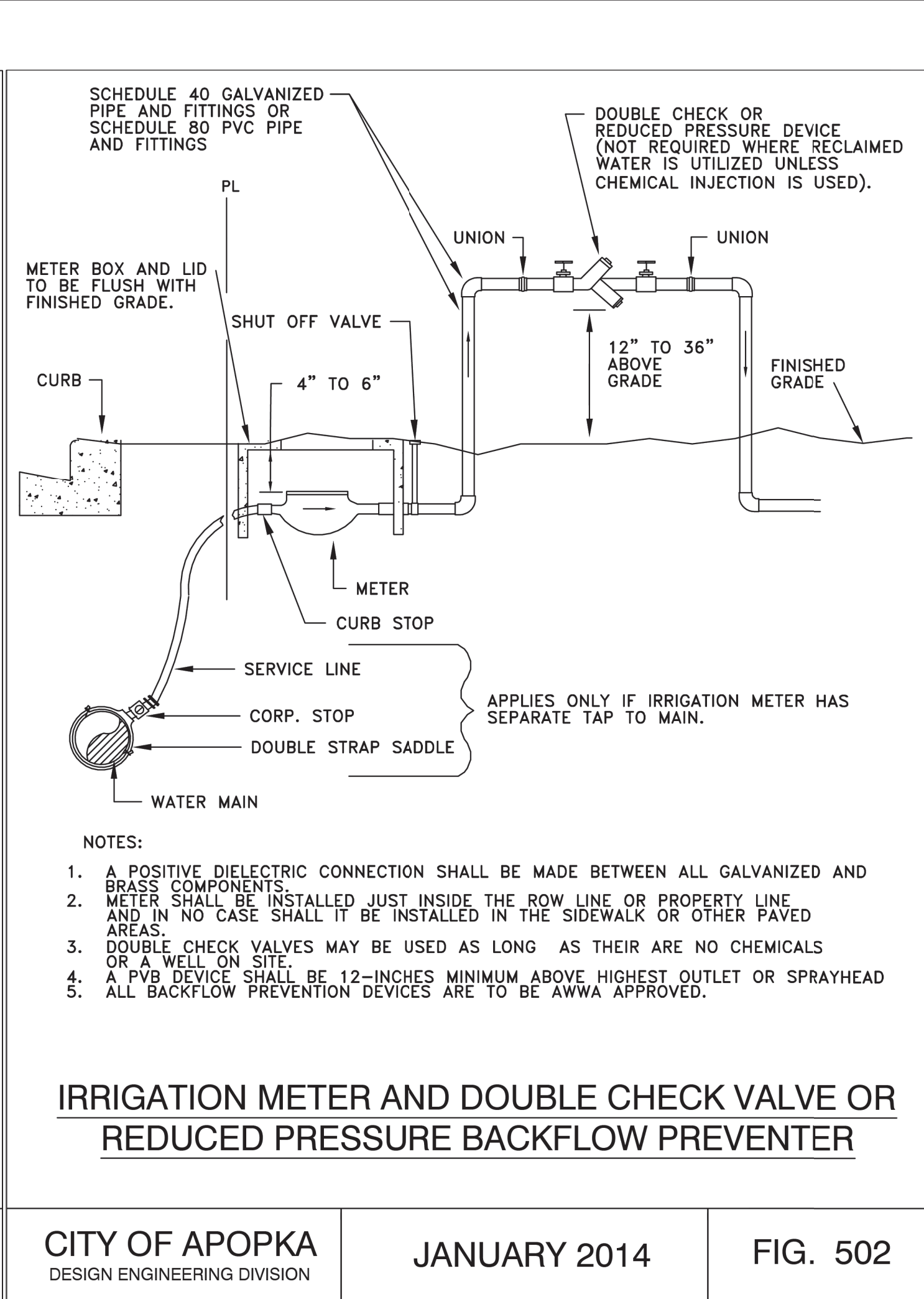
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 405
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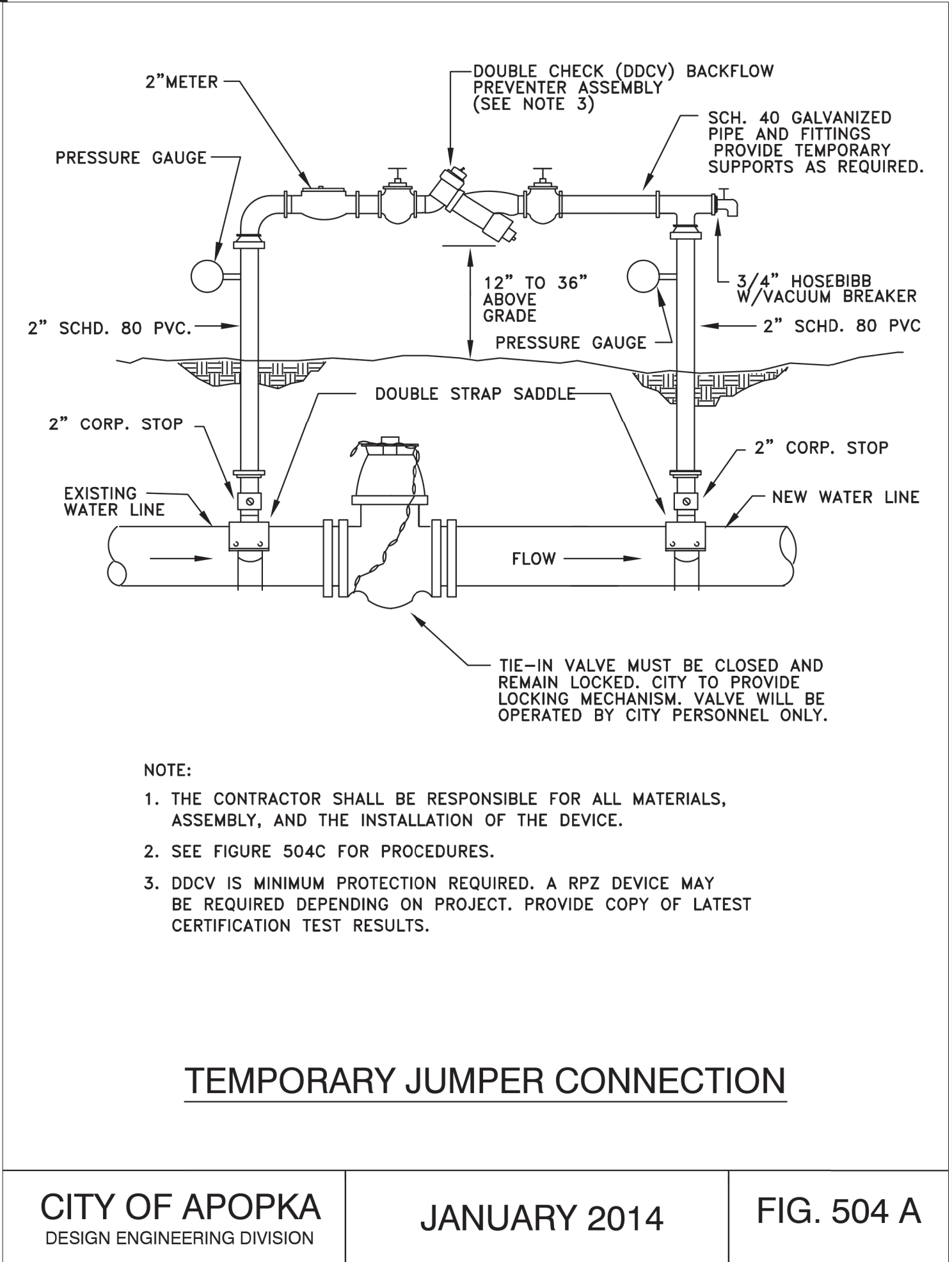
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 406
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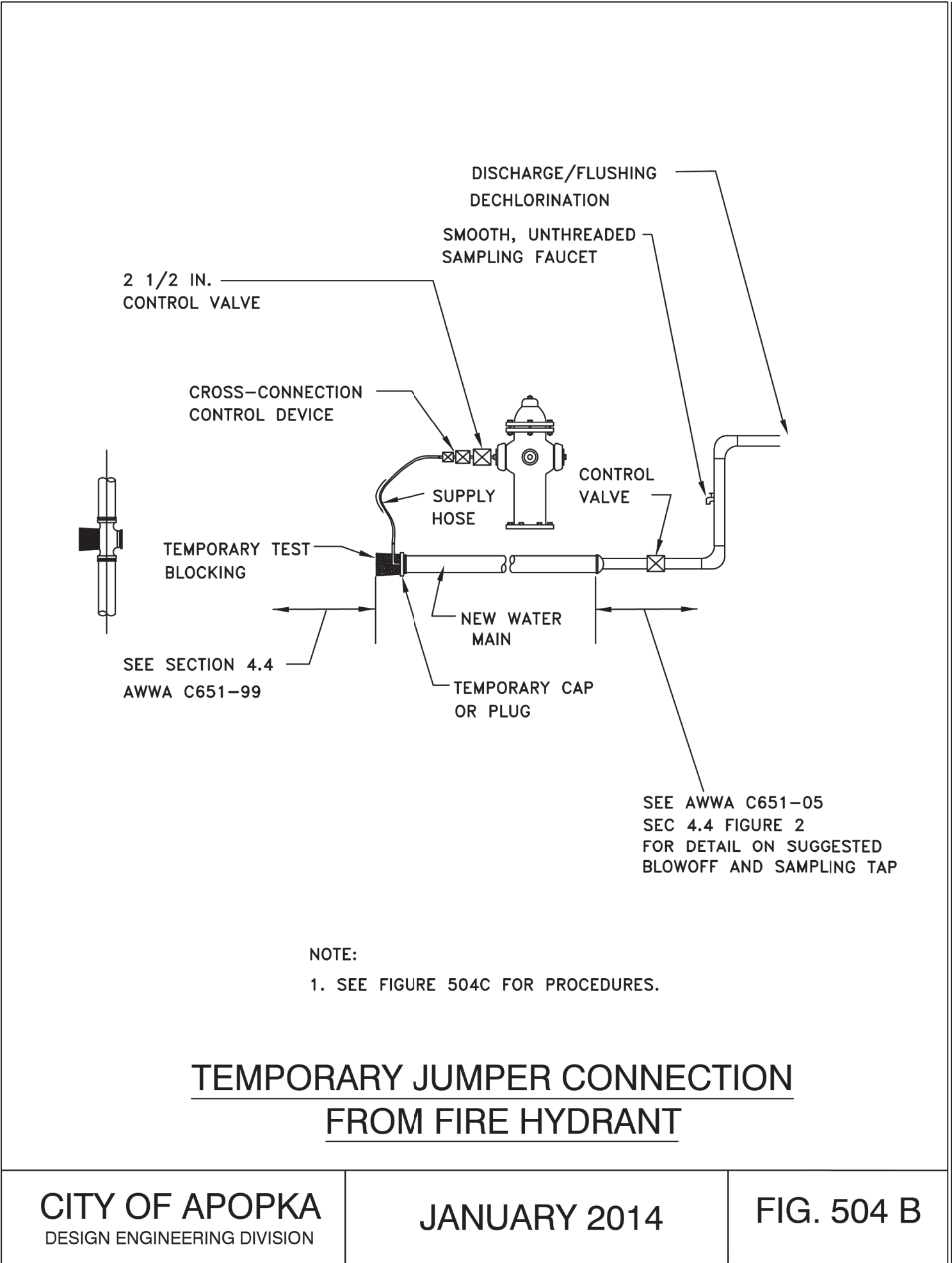
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 500 A
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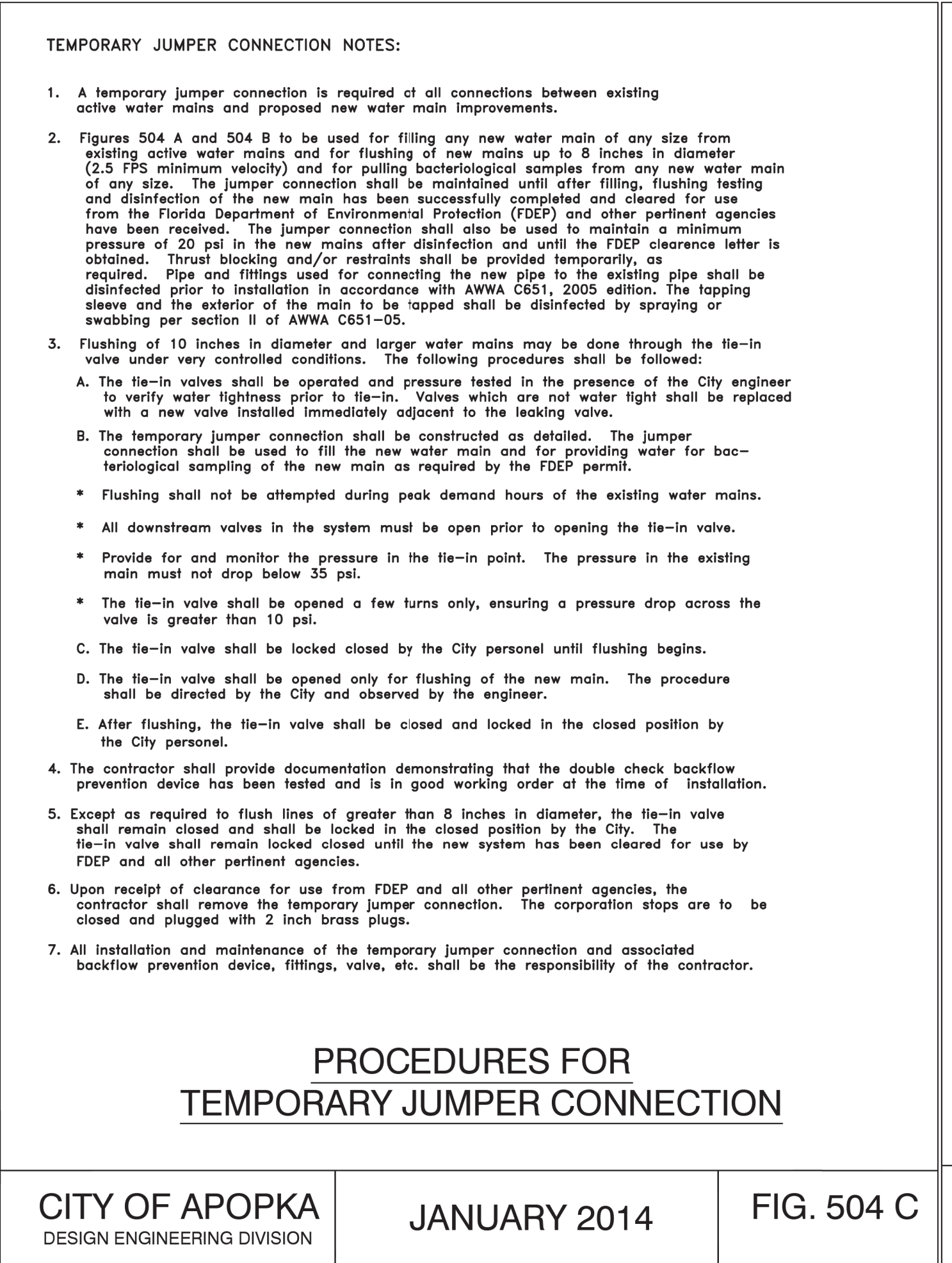
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 502
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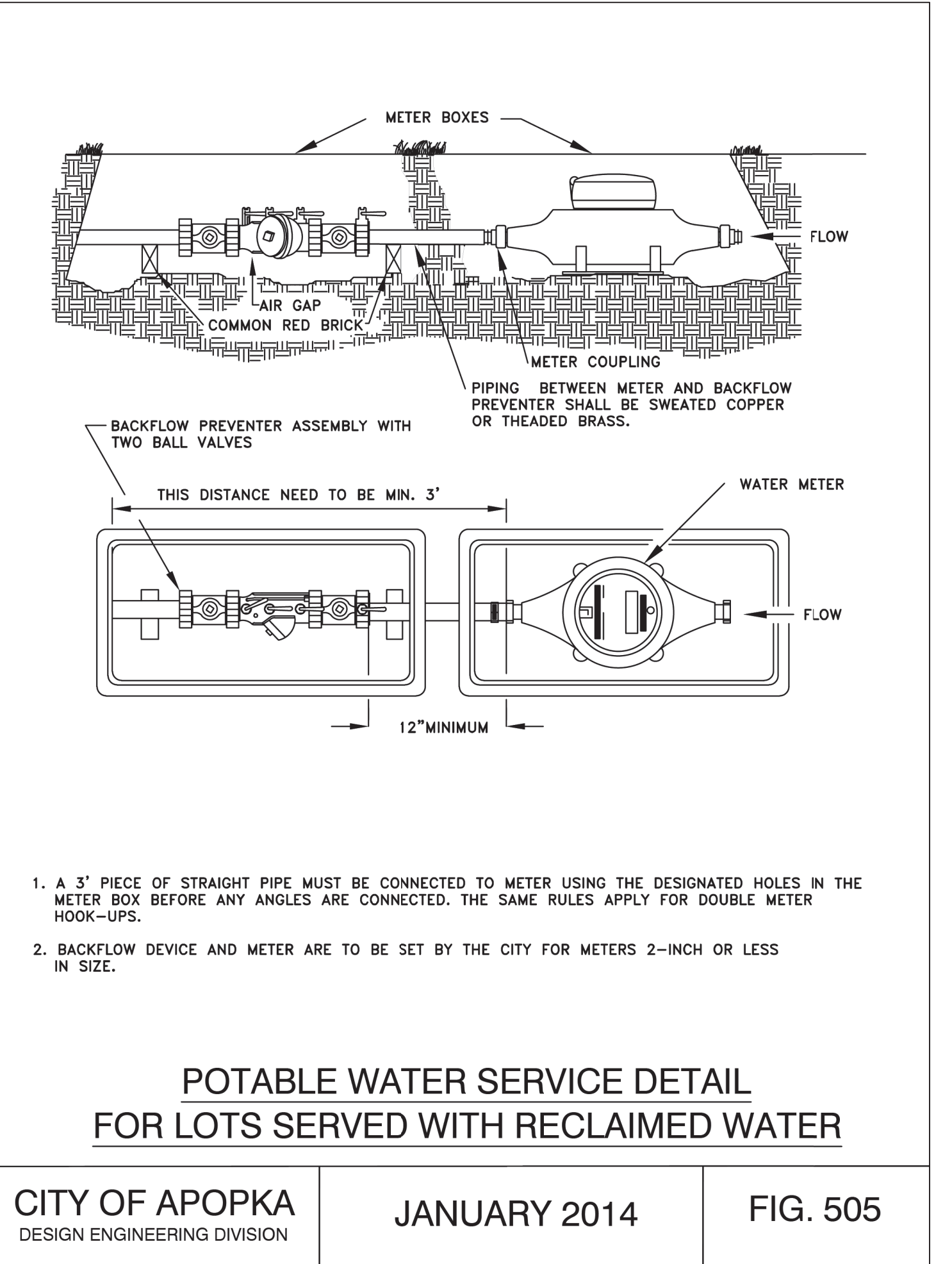
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 504 A
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CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 504 B
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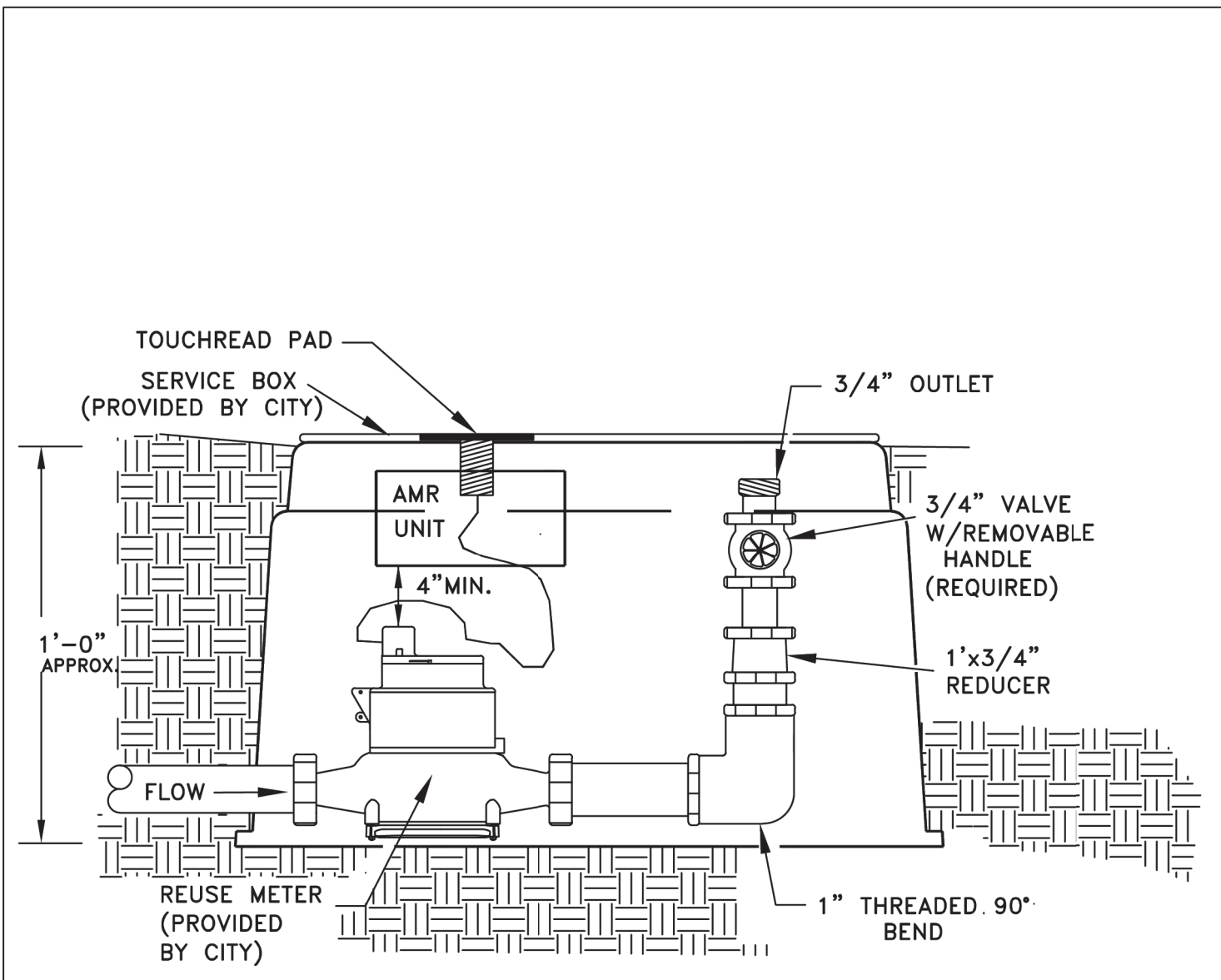
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 504 C
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CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 505
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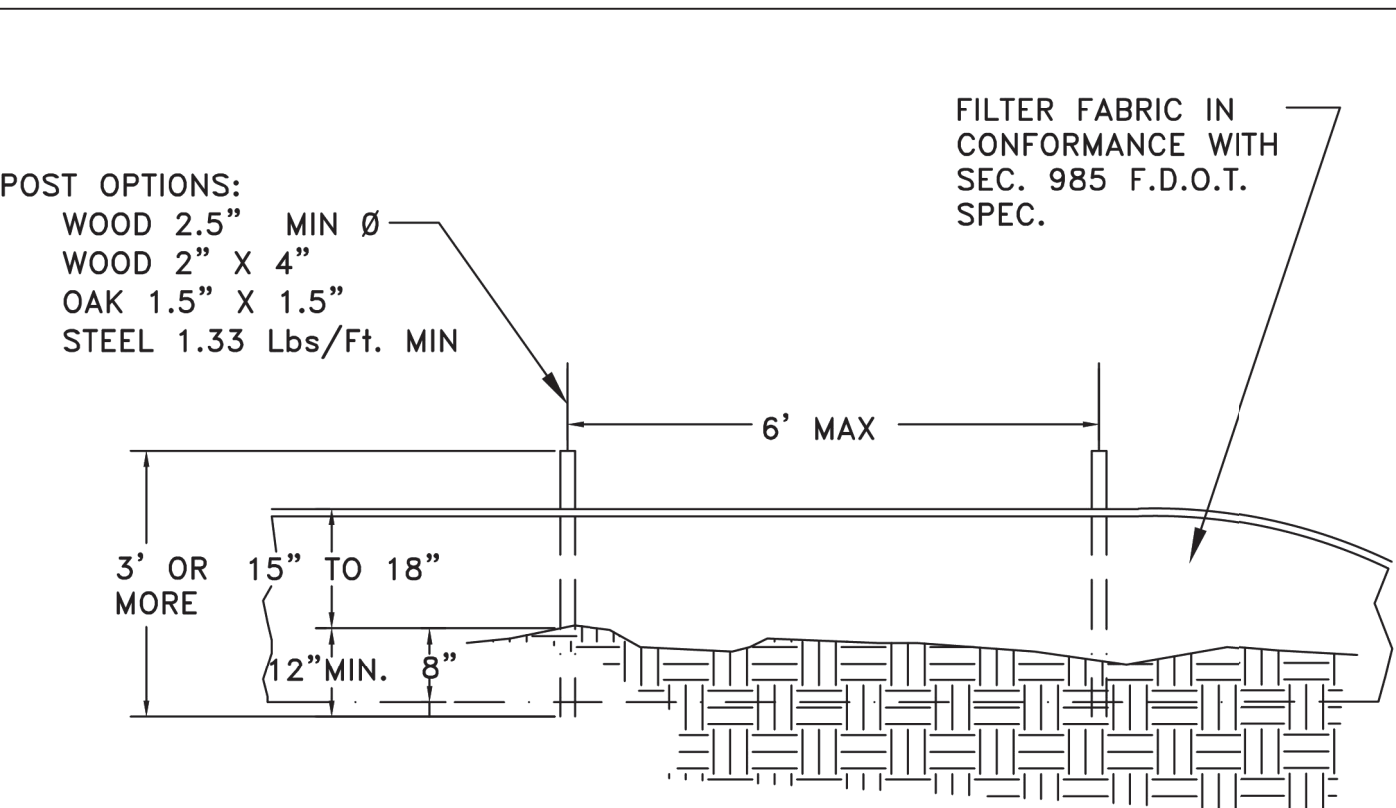
K-H PROJECT 249490000		DATE 03/10/2025	SCALE AS SHOWN	DESIGNED BY RMG	DRAWN BY RMG	CHECKED BY BSA	LICENSED PROFESSIONAL BRIAN S. ASHBY, P.E. FLORIDA LICENSE NUMBER 80456	© 2025 KIMLEY-HORN AND ASSOCIATES, INC. 200 S ORANGE AVE. SUITE 600, ORLANDO, FL 32801 PHONE: 407-898-1511 WWW.KIMLEY-HORN.COM	REVISIONS	BY	DATE
CITY OF APOPKA CHANDLER OAKS DETAILS									CITY OF APOPKA FLORIDA		
SHEET NUMBER C10.4											

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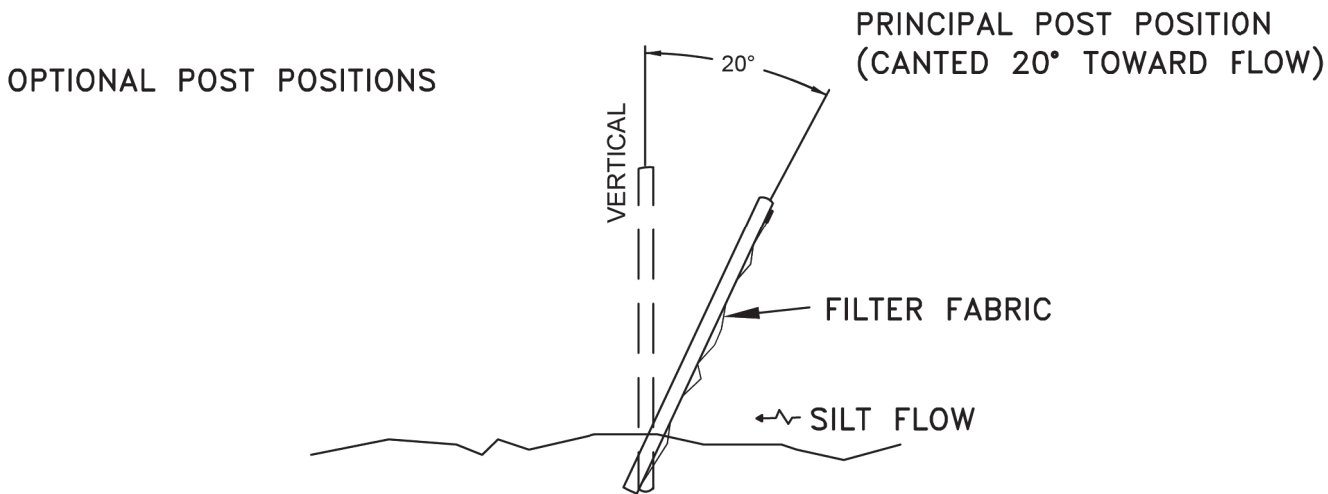


RECLAIMED WATER SERVICE CONNECTION
(FOR SERVICES W/O AN IRRIGATION SYSTEM)

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 506
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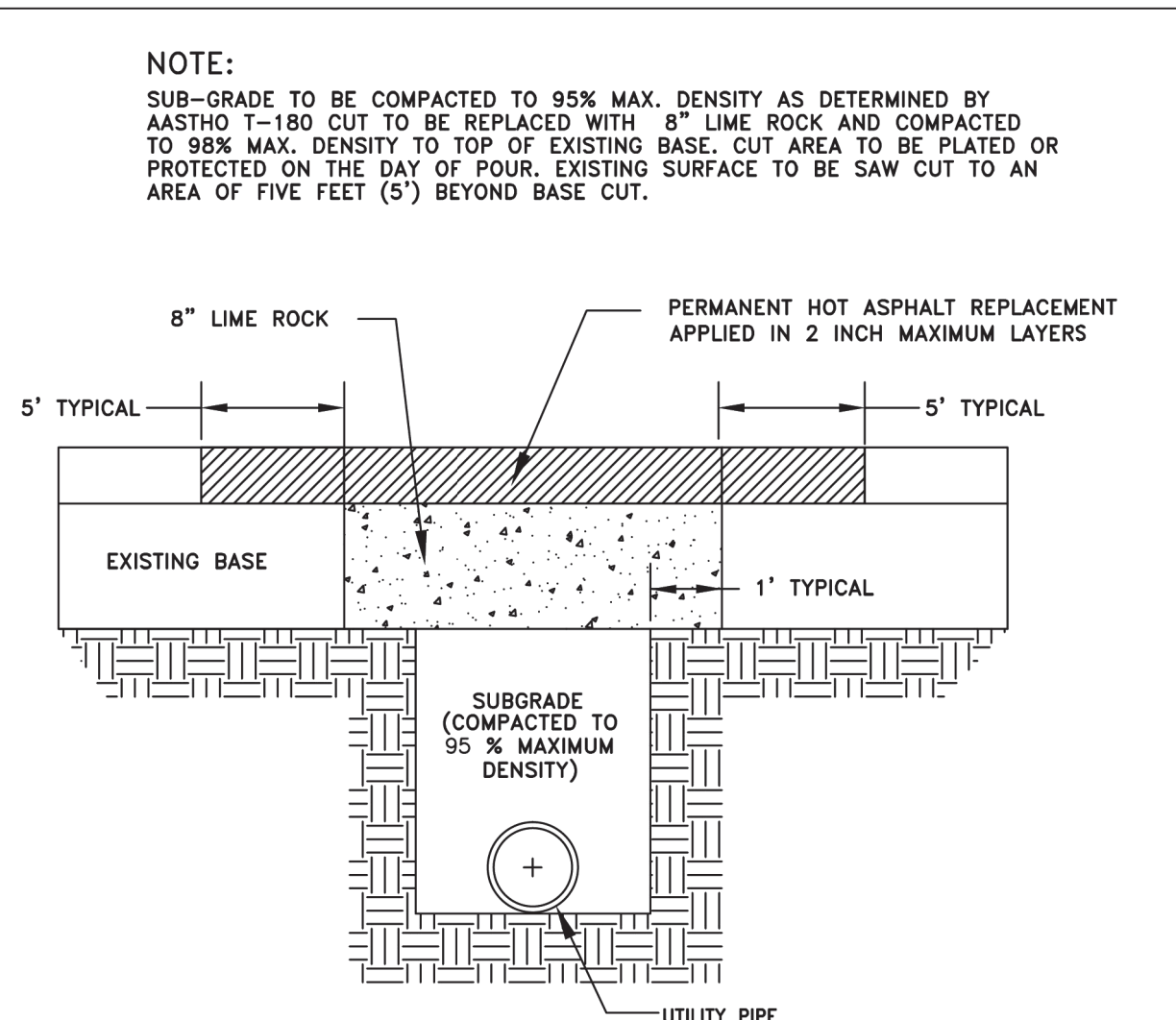
ELEVATION VIEW



SECTION VIEW

SILT FENCE INSTALLATION

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 602
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GENERAL NOTES:

1. BASE REPLACEMENT SHALL BE 8" LIME ROCK COMPACTED TO 98% MAX. DENSITY.
2. ASPHALTIC CONCRETE SURFACE MATERIAL SHALL BE REPLACED WITH THE SAME TYPE OF MATERIAL AT THE TIME OF REMOVAL.
3. MINIMUM ASPHALTIC CONCRETE SURFACE OVERLAY THICKNESS SHALL BE ONE (1) INCH.
4. ALL JOINT CUTS SHALL BE MECHANICALLY SAW CUT.

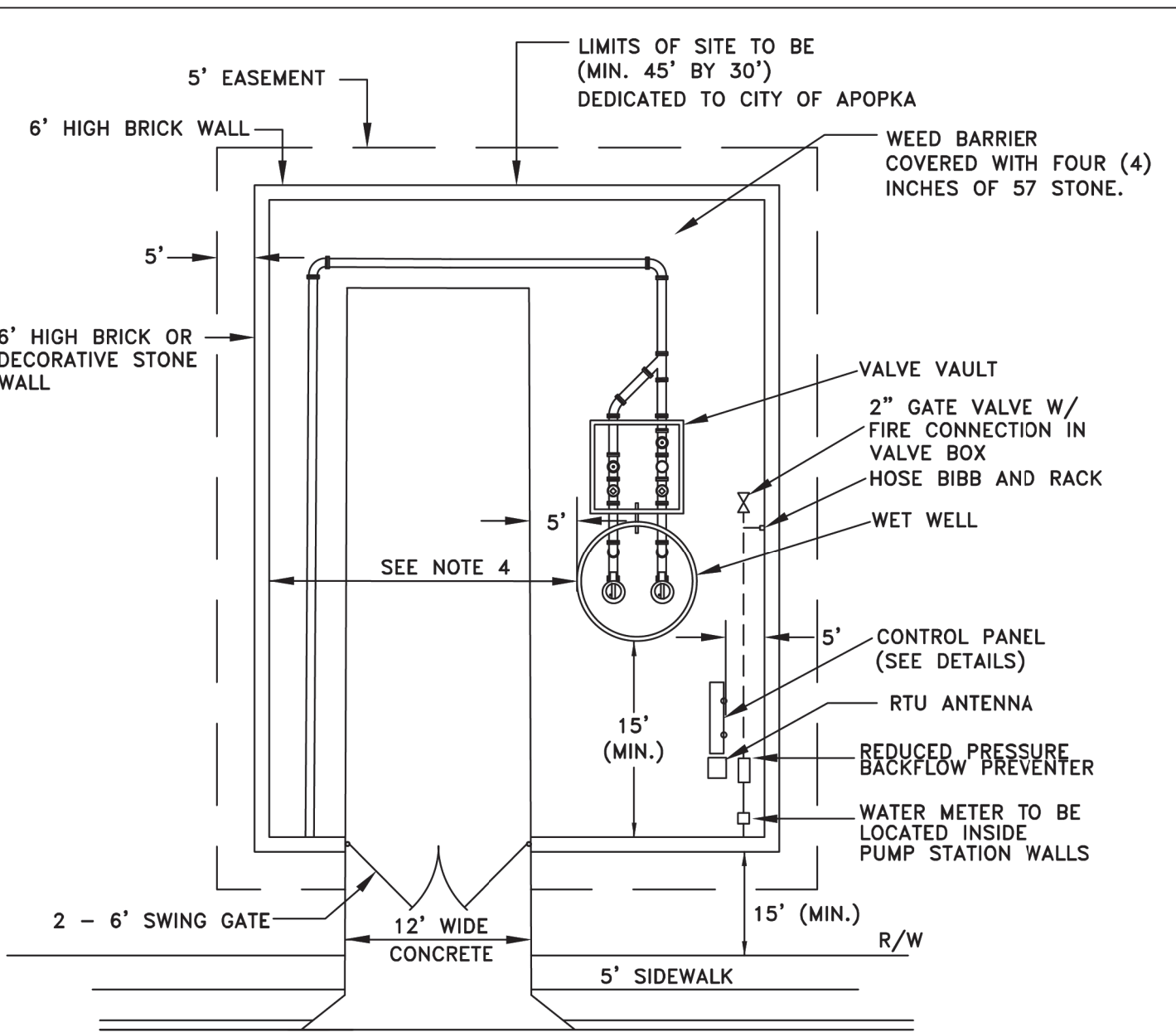
PAVEMENT RESTORATION:

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 FEET (10') BEYOND THE CUT WHICHEVER IS GREATER.
3. ACTUAL REQUIREMENTS WILL BE AS STATED ON THE APPROVED PERMIT.

- LEGEND:
- 1. LIME ROCK
 - 2. HOT PATCH

OPEN-CUT CROSS SECTION DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2015	FIG. 702
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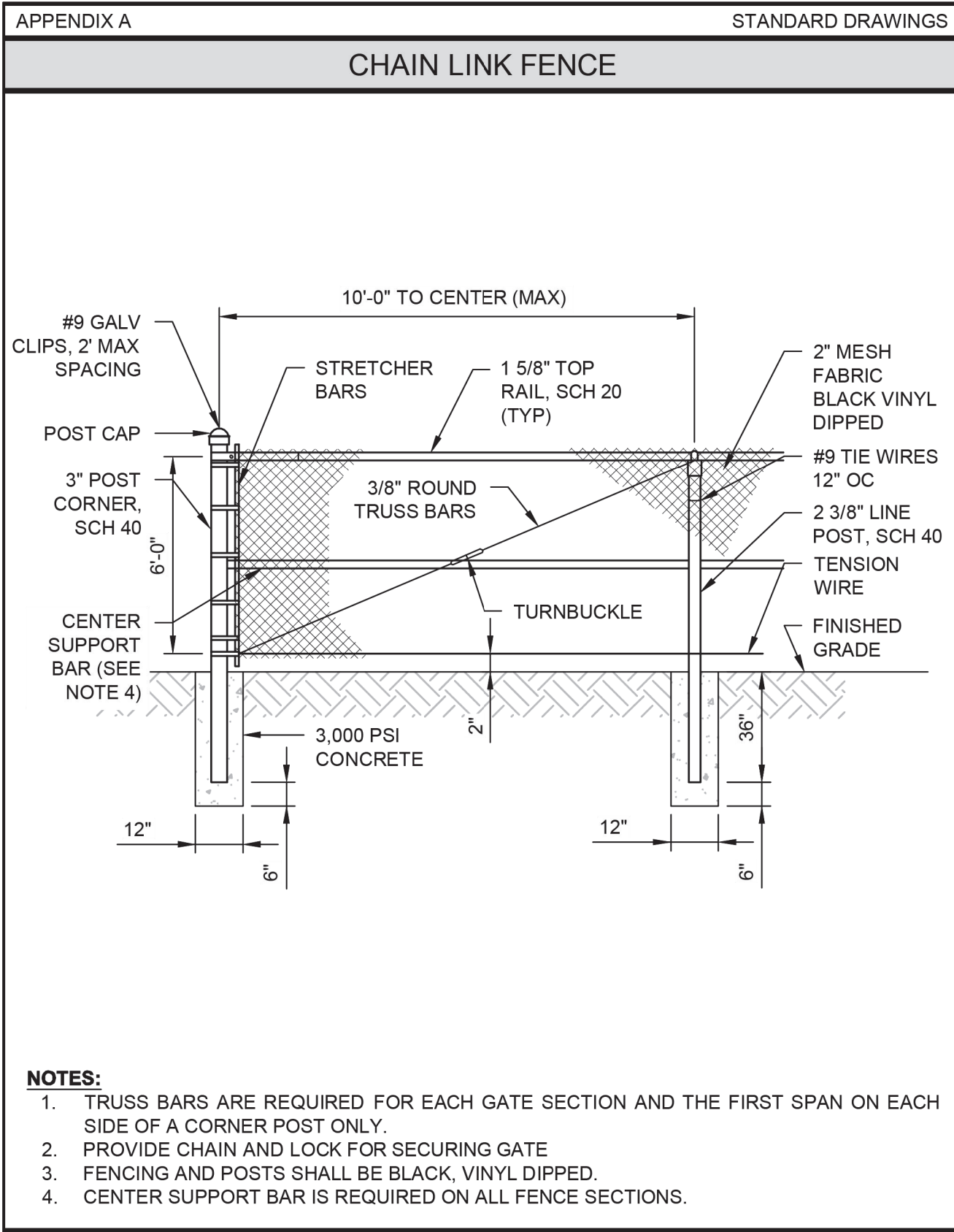


NOTES:

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

PUMP STATION TYPICAL SITE PLAN

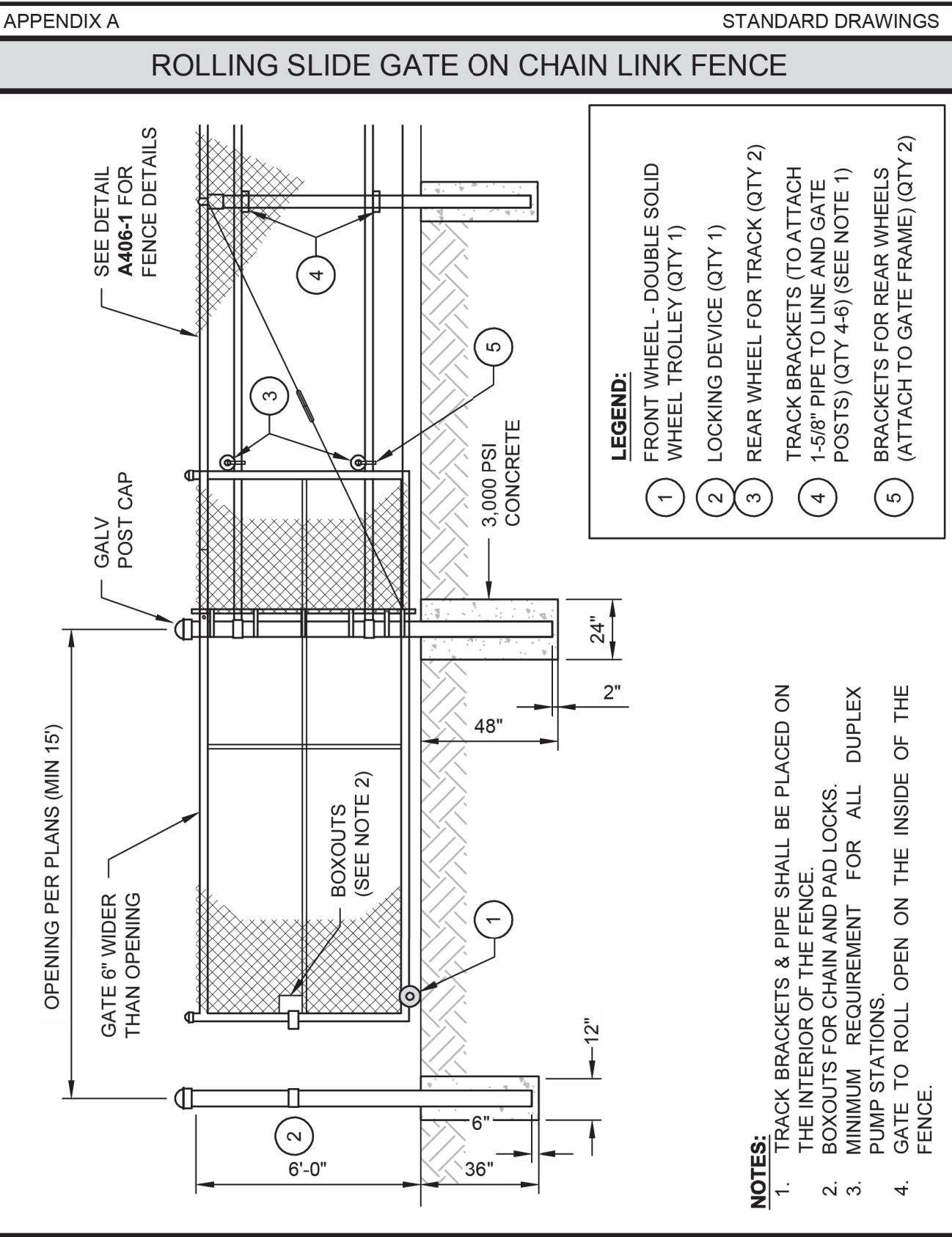
CITY OF APOPKA DESIGN ENGINEERING DIVISION	MAY 2022	FIG. 300
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- NOTES:
1. TRUSS BARS ARE REQUIRED FOR EACH GATE SECTION AND THE FIRST SPAN ON EACH SIDE OF A CORNER POST ONLY.
 2. PROVIDE CHAIN AND LOCK FOR SECURING GATE
 3. FENCING AND POSTS SHALL BE BLACK, VINYL DIPPED.
 4. CENTER SUPPORT BAR IS REQUIRED ON ALL FENCE SECTIONS.

ORANGE COUNTY UTILITIES
STANDARDS & CONSTRUCTION
SPECIFICATIONS MANUAL

FIGURE A406-1
10/10/2021



- NOTES:
1. TRACK BRACKETS & PIPE SHALL BE PLACED ON THE INTERIOR OF THE FENCE.
 2. BOXOUTS FOR CHAIN AND PAD LOCKS.
 3. MINIMUM REQUIREMENT FOR ALL DUPLEX PUMP STATIONS.
 4. GATE TO ROLL OPEN ON THE INSIDE OF THE FENCE.

ORANGE COUNTY UTILITIES
STANDARDS & CONSTRUCTION
SPECIFICATIONS MANUAL

FIGURE A406-2
10/10/2021

K-H PROJECT 249490000		DATE 03/10/2025		SCALE AS SHOWN		DESIGNED BY RMG		DRAWN BY RMG		CHECKED BY BSA		CITY OF APOPKA FLORIDA		CHANDLER OAKS C10.5		SHEET NUMBER C10.5	
LICENSED PROFESSIONAL BRIAN S. ASHBY, P.E. 200 S. ORANGE AVE., SUITE 600, ORLANDO, FL 32801 PHONE: 407-898-1511 WWW.KIMLEY-HORN.COM REGISTRATION NO. 35106												CITY OF APOPKA DETAILS		CHANDLER OAKS C10.5			
© 2025 KIMLEY-HORN AND ASSOCIATES, INC. 200 S. ORANGE AVE., SUITE 600, ORLANDO, FL 32801 PHONE: 407-898-1511 WWW.KIMLEY-HORN.COM REGISTRATION NO. 35106												CITY OF APOPKA DETAILS		CHANDLER OAKS C10.5			
REVISIONS												DATE		BY			

Construction Site Plans

for

Crossroads at Kelly Park

Phases 2A-1 & 2A-2

City of Apopka, FL

Utilities Summary:

Phase 2A-1	Phase 2A-2
POTABLE WATER:	POTABLE WATER:
8" PVC = 628 LF	8" PVC = 1,518 LF
6" PVC = 1,574 LF	6" PVC = 1,276 LF
8" GV = 2	8" GV = 5
6" GV = 4	6" GV = 6
RECLAIMED WATER:	RECLAIMED WATER:
6" PVC = 1,820 LF	6" PVC = 2,142 LF
4" PVC = 240 LF	4" PVC = 546 LF
6" GV = 5	6" GV = 8
4" GV = 1	4" GV = 3
SANITARY SEWER:	SANITARY SEWER:
8" PVC = 1,877 LF	8" PVC = 2,399 LF
MANHOLE = 8	MANHOLE = 13

Phase 2A Legal Description:

PHASE 2A-1 TRACT FD-2A-1

A PROPOSED TRACT OF LAND, BEING TRACT FD-2A-1, AS SHOWN ON, "CROSSING AT KELLY PARK PHASE 51-2, 1-3 AND 2", A PROPOSED PLAT OF LANDS LOCATED IN SECTION 11, TOWNSHIP 20 SOUTH, RANGE 27 EAST, IN THE CITY OF APOPKA, ORANGE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTH QUARTER CORNER OF SAID SECTION 11 FOR A POINT OF REFERENCE, THENCE RUN SOUTH 00°17'05" EAST, ALONG THE WEST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 11, A DISTANCE OF 30.00 FEET TO THE SOUTHERLY RIGHT-OF-WAY LINE OF OLDKICH ROAD, THENCE DEPARTING SAID WEST LINE, RUN NORTH 89°08'52" EAST, ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE, 189.30 FEET TO THE POINT OF BEGINNING, THENCE CONTINUE ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE, NORTH 89°05'52" EAST, 1139.61 FEET TO A POINT AT THE NORTHWEST CORNER OF THE NORTHEAST QUARTER OF SAID SECTION 11, THENCE DEPARTING SAID SOUTHERLY RIGHT-OF-WAY LINE, RUN SOUTH 00°22'34" EAST, ALONG THE WEST LINE, THENCE THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 11, A DISTANCE OF 489.84 FEET; THENCE SOUTH 89°37'26" WEST, 110.00 FEET TO THE POINT OF A CURVATURE OF A CURVE CONCAVE NORTHEASTERLY, THENCE RUN NORTHWESTERLY, ALONG SAID CURVE, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 90°00'00", AN ARC LENGTH OF 39.27 FEET, A CHORD LENGTH OF 35.36 FEET AND A CHORD BEARING OF NORTH 45°22'34" WEST, TO A POINT OF INTERSECTION WITH A NON-TANGENT LINE, THENCE SOUTH 89°37'26" WEST, 50.00 FEET TO THE POINT OF A CURVATURE OF A CURVE CONCAVE NORTHEASTERLY, THENCE RUN NORTHWESTERLY, ALONG SAID CURVE, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 90°00'00", AN ARC LENGTH OF 39.27 FEET, A CHORD LENGTH OF 35.36 FEET AND A CHORD BEARING OF NORTH 44°37'26" WEST, TO A POINT OF TANGENCY, THENCE SOUTH 89°37'26" WEST, 190.00 FEET TO THE POINT OF A CURVATURE OF A CURVE CONCAVE NORTHEASTERLY, THENCE RUN NORTHWESTERLY, ALONG SAID CURVE, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 90°00'00", AN ARC LENGTH OF 39.27 FEET, A CHORD LENGTH OF 35.36 FEET AND A CHORD BEARING OF NORTH 45°22'34" WEST, TO A POINT OF TANGENCY, THENCE NORTH 00°22'34" WEST, 26.00 FEET TO A POINT ON A NON-TANGENT LINE, THENCE SOUTH 89°37'26" WEST, 50.00 FEET TO THE POINT OF A CURVATURE OF A CURVE CONCAVE NORTHEASTERLY, THENCE RUN NORTHWESTERLY, ALONG SAID CURVE, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 104°54'59", AN ARC LENGTH OF 45.78 FEET, A CHORD LENGTH OF 36.65 FEET AND A CHORD BEARING OF SOUTH 52°04'56" WEST, TO A POINT OF INTERSECTION WITH A NON-TANGENT LINE, THENCE SOUTH 14°32'25" WEST, 50.00 FEET TO THE POINT OF A CURVATURE OF A CURVE CONCAVE SOUTHWESTERLY, THENCE RUN SOUTHEASTERLY, ALONG SAID CURVE, HAVING A RADIUS OF 450.00 FEET, A CENTRAL ANGLE OF 03°37'27", AN ARC LENGTH OF 28.46 FEET, A CHORD LENGTH OF 28.46 FEET AND A CHORD BEARING OF SOUTH 73°58'51" EAST, TO A POINT OF A CURVATURE OF A COMPOUND CURVE CONCAVE SOUTHWESTERLY, THENCE RUN SOUTHEASTERLY, ALONG SAID CURVE, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 71°27'34", AN ARC LENGTH OF 31.18 FEET, A CHORD LENGTH OF 29.20 FEET AND A CHORD BEARING OF SOUTH 30°06'21" EAST, TO A POINT OF TANGENCY, THENCE SOUTH 00°22'34" EAST, 201.67 FEET TO THE POINT OF A CURVATURE OF A CURVE CONCAVE NORTHEASTERLY, THENCE RUN SOUTHWESTERLY, ALONG SAID CURVE, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 90°00'00", AN ARC LENGTH OF 39.27 FEET, A CHORD LENGTH OF 35.36 FEET AND A CHORD BEARING OF SOUTH 44°37'26" WEST, TO A POINT OF TANGENCY, THENCE SOUTH 89°37'26" WEST, 39.58 FEET TO THE POINT OF A CURVATURE OF A CURVE CONCAVE NORTHERLY, THENCE RUN NORTHWESTERLY, ALONG SAID CURVE, HAVING A RADIUS OF 72.50 FEET, A CENTRAL ANGLE OF 02°58'47", AN ARC LENGTH OF 3.77 FEET, A CHORD LENGTH OF 3.77 FEET AND A CHORD BEARING OF NORTH 88°53'11" WEST, TO A POINT OF TANGENCY, THENCE NORTH 87°53'47" WEST, 321.56 FEET TO THE POINT OF A CURVATURE OF A CURVE CONCAVE SOUTHERLY, THENCE RUN SOUTHWESTERLY, ALONG SAID CURVE, HAVING A RADIUS OF 92.50 FEET, A CENTRAL ANGLE OF 06°34'30", AN ARC LENGTH OF 106.44 FEET, A CHORD LENGTH OF 106.38 FEET AND A CHORD BEARING OF SOUTH 80°18'57" WEST, TO A POINT OF A CURVATURE OF A REVERSE CURVE CONCAVE NORTHEASTERLY, THENCE RUN NORTHWESTERLY, ALONG SAID CURVE, HAVING A RADIUS OF 165.00 FEET, A CENTRAL ANGLE OF 80°38'28", AN ARC LENGTH OF 232.23 FEET, A CHORD LENGTH OF 213.53 FEET AND A CHORD BEARING OF NORTH 53°59'04" WEST, TO A POINT OF TANGENCY, THENCE NORTH 10°19'19" WEST, 94.24 FEET TO THE POINT OF A CURVATURE OF A CURVE CONCAVE NORTHEASTERLY, THENCE RUN NORTHWESTERLY, ALONG SAID CURVE, HAVING A RADIUS OF 29.00 FEET, A CENTRAL ANGLE OF 12°57'16", AN ARC LENGTH OF 6.56 FEET, A CHORD LENGTH OF 6.54 FEET AND A CHORD BEARING OF NORTH 05°51'13" WEST, TO A POINT OF TANGENCY, THENCE NORTH 00°22'34" WEST, 4.14 FEET TO THE POINT OF A CURVATURE OF A CURVE CONCAVE SOUTHEASTERLY, THENCE RUN NORTHEASTERLY, ALONG SAID CURVE, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 90°00'00", AN ARC LENGTH OF 39.27 FEET, A CHORD LENGTH OF 35.36 FEET AND A CHORD BEARING OF NORTH 45°22'34" WEST, TO A POINT OF TANGENCY, THENCE NORTH 00°22'34" WEST, 45°22'34" WEST, 50.00 FEET TO THE POINT OF A CURVATURE OF A NON-TANGENCY CURVE CONCAVE NORTHEASTERLY, THENCE RUN NORTHWESTERLY, ALONG SAID CURVE, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 90°00'00", AN ARC LENGTH OF 39.27 FEET, A CHORD LENGTH OF 35.36 FEET AND A CHORD BEARING OF NORTH 45°22'34" WEST, TO A POINT OF TANGENCY, THENCE NORTH 00°22'34" WEST, 386.68 FEET TO THE POINT OF A CURVATURE OF A CURVE CONCAVE SOUTHEASTERLY, THENCE RUN NORTHEASTERLY, ALONG SAID CURVE, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 89°31'29", AN ARC LENGTH OF 35.21 FEET AND A CHORD BEARING OF NORTH 44°23'09" EAST, TO A POINT OF TANGENCY, SAID POINT ALSO BEING THE POINT OF BEGINNING.

PHASE 2A-2 TRACT FD-2A-2

A PROPOSED TRACT OF LAND, BEING TRACT FD-2A-2, AS SHOWN ON, "CROSSING AT KELLY PARK PHASE 51-2, 1-3 AND 2", A PROPOSED PLAT OF LANDS LOCATED IN SECTION 11, TOWNSHIP 20 SOUTH, RANGE 27 EAST, IN THE CITY OF APOPKA, ORANGE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

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PHASE 2A-3 TRACT FD-2A-3

A PROPOSED TRACT OF LAND, BEING TRACT FD-2A-3, AS SHOWN ON, "CROSSING AT KELLY PARK PHASE 51-2, 1-3 AND 2", A PROPOSED PLAT OF LANDS LOCATED IN SECTION 11, TOWNSHIP 20 SOUTH, RANGE 27 EAST, IN THE CITY OF APOPKA, ORANGE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

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Utility Providers

Electric:	Telephone:
Duke Energy	AT&T
452 E. Crown Point Rd.	1227 S. Division Ave
Winter Garden FL 34787	Orlando, FL 34805
407.629.1010	407.351.7100
CATV:	Gas:
Spectrum Network	Lake Apopka Natural Gas
100 Gordon St.	38 N. Park Avenue
Sanford, FL 3277	Apopka, FL 32703
321.805.3081	407.656.2734

Consultants

Civil Engineer:	Surveyor:
Poulos & Bennett, LLC	PEC Surveying and Mapping, LLC
2602 E. Livingston St.	2100 Alafaya Trail
Orlando, FL 32783	Oviedo, FL 32765
407.487.2594	407.542.4967
Geotechnical Engineer:	Landscape Architect:
Universal Engineering Sciences	Bonnett Design Group, LLC
3532 Maggie Boulevard	400 S Orlando Ave Suite 201
Orlando, FL 32811	Maitland, FL 32751
407.423.0504	407.622.1588

Water, Sewer and Reuse:

City of Apopka
748 E. Cleveland St
Apopka, FL 3270
407.703.1731

Solid Waste, Fire and Police Protection:

City of Apopka
748 E. Cleveland St
Apopka, FL 3270
407.703.1731

Environmental:

Bio-Tech Consulting Inc.
3025 East South Street
Orlando, FL 32803
407.894.5969

Transportation:

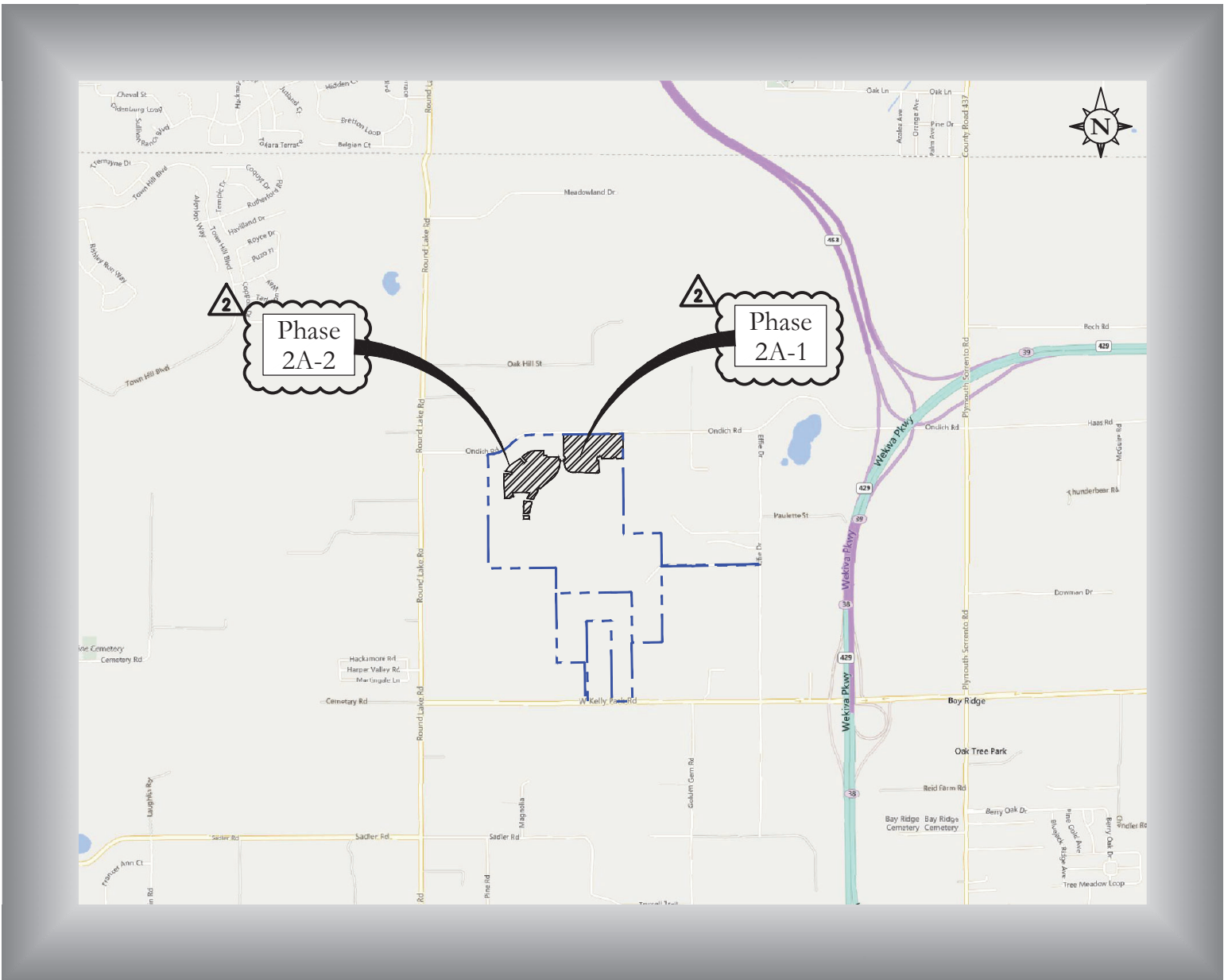
TMC Traffic & Mobility Consultants
3101 Maguire Boulevard, Suite 265
Orlando, FL 32803
407.531.5332

Parcel Id. No.:

11-20-27-1566-06-211 (Phase 2A-1)
11-20-27-1566-06-213 (Phase 2A-2)
11-20-27-1566-06-214 (Phase 2A-2)
11-20-27-1566-06-221 (Phase 2A-2)

Owner/Applicant:

Jen Florida 51, LLC
1750 Broadway Street, Suite 111
Oviedo, FL 32765
813.484.7655



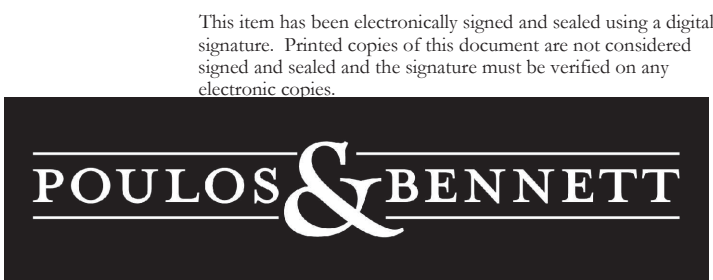
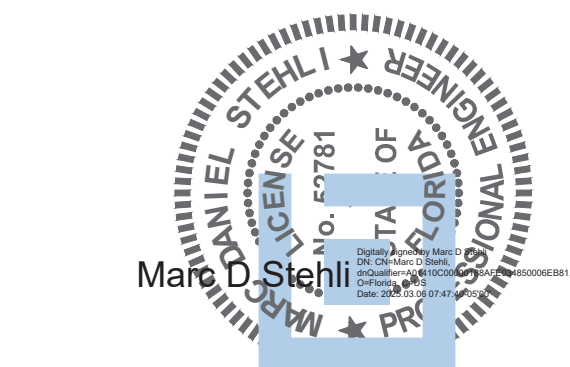
Vicinity Map

Scale: 1" = 3,000'

PROJECT NARRATIVE:
LOCATED IN THE KELLY PARK INTERCHANGE DISTRICT MIXED-USE 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 CONSTRUCTION OF THE PROJECT'S PHASE 2A-1 RESIDENTIAL DEVELOPMENT CONSISTING OF 81 UNITS AND PHASE 2A-2 RESIDENTIAL DEVELOPMENT CONSISTING OF 78 UNITS AND THE ASSOCIATED UTILITIES AND DRAINAGE FACILITIES NECESSARY TO SUPPORT THE PROJECT DEVELOPMENT.

Sheet Index			Subm./Rev.							
Sheet Id.		Sheet Title	-	1	2	3	4	5	6	7
C0.00		Cover Sheet								
C0.01	-	C0.02								
C0.03		Construction Notes								
C1.00		Existing Conditions Plan								
C1.00		Overall Master Plan								
C1.01		Site Data Tables								
C1.02		Overall Phasing Plan								
C1.10		Erosion Control Plan								
C1.11		Erosion Control Details								
C2.00		Site Plan								
C2.01	-	C2.03								
C3.00		Signage, Striping, & Geometry Plan								
C3.00		Typical Road Sections								
C3.10		Boring Location Map								
C3.11		Soil Borings								
C3.20		Clay Contour Map								
C3.21		Over Excavation Plan								
C4.00		Master Drainage Plan								
C4.01	-	C4.03								
C4.10	-	C4.11								
C5.00		Grading Sections & Details								
C5.00		Master Utility Plan								
C5.10	-	C5.12								
C5.20	-	C5.22								
C5.30	-	C5.32								
C6.00	-	C6.08								
C7.00		Reclaimed Water Distribution Plan								
C9.10	-	C9.13								
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		<u>Structural Drawings</u>								
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S-1A	-	S-1D								
S-2		Segmental Walls Typ. Sections And Std. Details								
S-2		Segmental Wall Sections								
		<u>Landscape Reference Drawings</u>								
L000		Cover Sheet								
L200		Overall Layout Plan								
L201	-	L203								
L301	-	L303								
L400		Hardscape Details								
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L410		Overall Landscape Plan								
L410		Landscape Plan								
L411	-	L412								
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L510		Landscape Details & Notes								
L510		Irrigation Details & Notes								
		<u>Lighting Reference Drawings</u>								
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E101	-	E106								
E301		Lighting Plan								
E301		Lighting Cutsheet								
		<u>Date</u>								
-		10/23/2023								
1		01/03/2024								
2		03/05/2025								
		<u>Description</u>								
-		10/23/2023								
1		01/03/2024								
2		03/05/2025								

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.



2602 E. Livingston St., Orlando, FL 32803
Tel. 407.487.2594 www.poulosandbennett.com
Eng. Bus. No. 28567
P&B Job No.: 21-175

Z:\2021\21-027 GALWIN - KELLY PARK PARCELS\CD\FINAL\CITY\PHASE 1-2A\21-027 -PHASE 1-2A-CN

GENERAL NOTES:

- IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR(S) TO ENSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND ARE IN HAND AT THE JOB SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL ABIDE BY ALL CONDITIONS CONTAINED THEREIN. PERMITS INCLUDED (BUT NOT NECESSARILY LIMITED TO) ARE:
 - WATER MANAGEMENT DISTRICT CONSUMPTIVE USE (WATER USE) FOR CONSTRUCTION/DEWATERING (CUP)
 - WATER MANAGEMENT DISTRICT ENVIRONMENTAL RESOURCE PERMIT (ERP) OR WATERSHED MANAGEMENT DISTRICT WETLAND RESOURCE PERMIT
 - FDEP WATER DISTRIBUTION
 - FDEP SANITARY SEWER COLLECTION AND TRANSMISSION
 - FDEP REUSE
 - LOCAL RIGHT-OF-WAY USE
 - LOCAL UNDERGROUND UTILITIES
 - FDEP & EPA NPDES STORMWATER
 - FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION TORTOISE INCIDENTAL TAKE
- CONTRACTOR IS ADVISED THAT THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REQUIRES THAT OPERATORS FILE A NOTICE OF INTENT (NOI) FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NPDES GENERAL PERMIT PRIOR TO BEGINNING WORK. IN THE STATE OF FLORIDA THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION IS THE PERMITTING AGENCY. IT IS CONTRACTOR'S SOLE RESPONSIBILITY TO OBTAIN SAME. A COPY SHALL BE SENT TO OWNER.
- FLORIDA LAW (F.S. 556 - THE UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT) PROTECTION OF UNDERGROUND PIPELINES MANDATES THAT "NO EXCAVATOR SHALL COMMENCE OR PERFORM ANY EXCAVATION IN ANY PUBLIC OR PRIVATE STREET, ALLEY, RIGHT-OF-WAY DEDICATED TO THE PUBLIC USE, OR GAS UTILITY EASEMENT WITHOUT FIRST OBTAINING INFORMATION CONCERNING THE POSSIBLE LOCATION OF GAS PIPELINES IN THE AREA OF THE PROPOSED EXCAVATION." THIS INCLUDES ANY OPERATION UTILIZING HAND TOOLS OR POWER TOOLS WHICH MOVES OR REMOVES ANY STRUCTURE, EARTH, ROCK, OR OTHER MASS OF MATERIAL BY SUCH METHODS AS DIGGING, BACKFILLING, DEMOLITION, GRADING, DITCHING, DRILLING, BORING AND CABLE PLOWING. THE EXCAVATOR MUST NOTIFY THE GAS UTILITY A MINIMUM OF 48 HOURS AND A MAXIMUM OF 5 DAYS PRIOR TO EXCAVATING (EXCLUDING SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS).
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROJECT SITE DURING CONSTRUCTION, TO PREVENT TRESPASSING OF UNAUTHORIZED PEDESTRIANS AND/OR VEHICLES IN ALL WORK AREAS. THE CONTRACTOR SHALL POST SIGNS, CONSTRUCT BARRIERS OR IMPLEMENT OTHER METHODS NECESSARY TO CONTROL ACCESS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR TRESPASSING ON THE CONSTRUCTION SITE OR DAMAGES TO ANY WORK RELATED THERETO.
- CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL OF FLORIDA, INC. PRIOR TO COMMENCEMENT OF WORK IN ACCORDANCE WITH THEIR STANDARD REQUIREMENTS; INCLUDING BUT NOT LIMITED TO WATER, RECLAIMED WATER, SEWER, POWER, TELEPHONE, GAS AND CABLE TV COMPANIES.
- PRIOR TO COMMENCEMENT, CONTRACTOR SHALL PROVIDE POULOS & BENNETT WITH CONSTRUCTION SCHEDULE FOR VARIOUS SITE WORK ELEMENTS SO THAT PERIODIC SITE VISITS MAY BE COORDINATED TO ENSURE TIMELY CERTIFICATION OF COMPLETION TO AGENCIES AND AVOID DELAYS IN ISSUANCE OF CERTIFICATES OF OCCUPANCY/COMPLETION.
- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE LATEST STANDARDS OF ALL APPLICABLE AGENCIES.
- THE LOCATIONS OF EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. ENGINEER ASSUMES NO RESPONSIBILITY FOR INACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS FOR FIELD LOCATIONS AND FOR ANY RELOCATIONS OF THE VARIOUS EXISTING UTILITIES WITH THE UTILITY OWNERS, WHICH SHALL BE DONE IN A TIMELY FASHION TO MINIMIZE IMPACT ON THE CONSTRUCTION SCHEDULE. ANY DELAY OR INCONVENIENCE CAUSED THE CONTRACTOR BY THE RELOCATION OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.

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 AND OWNER IN WRITING, NO CLAIM FOR EXPENSES INCURRED BY THE CONTRACTOR DUE TO DIFFERING SITE CONDITIONS WILL BE ALLOWED IF CONTRACTOR FAILS TO PROVIDE THE REQUIRED WRITTEN NOTIFICATION OF SUCH CONDITIONS FOR REVIEW BY THE ENGINEER AND OWNER.
- AS PART OF THE CLEARING AND GRUBBING OPERATION, THE CONTRACTOR IS TO REMOVE ALL FENCING AND/OR EXISTING FACILITIES FROM THE SITE. CONTRACTOR IS RESPONSIBLE FOR CONDUCTING SITE VISIT TO UNDERSTAND THE EXISTING CONDITIONS OF THE SITE. IF REMOVAL OF EXISTING FACILITIES IS NOT INCLUDED IN THE BASE BID, THEN IT SHALL BE SPECIFICALLY IDENTIFIED.
- CONTRACTOR SHALL PROTECT ALL ADJACENT PROPERTIES FROM DAMAGE BY SEDIMENTATION OR OTHER POTENTIAL CONSTRUCTION RELATED CAUSES.
- IF AN EAGLE MANAGEMENT PLAN HAS BEEN FILED AND APPROVED BY FLORIDA GAME AND FRESHWATER FISH COMMISSION AND THE U.S. DEPARTMENT OF THE INTERIOR FISH AND WILDLIFE SERVICE. CONTRACTOR SHALL ABIDE BY THE PERMIT.
- MAINTAIN MINIMUM 3' COVER OVER PROPOSED GRAVITY SANITARY, FORCE MAIN, WATER AND REUSE LINES, UNLESS OTHERWISE NOTED.
- CONCRETE SIDEWALKS (AS SPECIFIED BY APPROPRIATE ROADWAY SECTION) ADJACENT TO ALL LOTS TO BE INSTALLED BY HOME BUILDER. SIDEWALKS ADJACENT TO PONDS, PARKS, AND OPEN SPACE, AS SHOWN ON PLANS, ARE TO BE CONSTRUCTED WITH INFRASTRUCTURE. ALL POND ACCESS TRACT SIDEWALK SHALL BE 6" MINIMUM.
- DURING CONSTRUCTION, WHEN COMBUSTIBLES ARE BROUGHT ON TO THE SITE, ACCESS ROADS AND A SUITABLE TEMPORARY OR PERMANENT SUPPLY OF WATER ACCEPTABLE TO THE FIRE DEPARTMENT SHALL BE PROVIDED.
- ALL RECOMMENDATIONS AND REQUIREMENTS OF INSPECTION PERSONNEL OTHER THAN OWNER'S SHALL BE REPORTED TO ENGINEER/OWNER/OWNERS REPRESENTATIVE PRIOR TO IMPLEMENTATION. COMPENSATION WILL NOT BE ALLOWED FOR WORK WHICH IS NOT AUTHORIZED BY ENGINEER/OWNER.
- 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 WITH 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 WORK SHALL BE OPEN TO AND SUBJECT TO INSPECTION BY AUTHORIZED PERSONNEL OF THE CITY, COUNTY, OWNER, INVOLVED UTILITY COMPANIES, PROJECT ENGINEER AND REGULATORY AGENCIES.
- CONTRACTOR SHALL CONFIRM COMPATIBILITY OF PIPE SLOPES AND INVERTS DURING SHOP DRAWING AND MATERIALS ORDERING PHASE OF PROJECT AND ADVISE ENGINEER OF ANY DISCREPANCIES.
- NO EXISTING MATERIAL SHALL BE USED IN NEW CONSTRUCTION UNLESS APPROVED DURING THE SHOP DRAWING APPROVAL PROCESS OR AS APPROVED BY ENGINEER/OWNER IN WRITING.
- ALL FDOT DESIGN INDICES ARE HEREBY INCORPORATED AS PLAN REFERENCES HEREIN. CONTRACTOR IS RESPONSIBLE FOR OBTAINING COMPLETE COPIES OF ALL APPLICABLE INDEX DRAWINGS AND CONSTRUCTING ALL WORKS IN CONFORMANCE WITH THE FDOT ROADWAY AND TRAFFIC STANDARD PLANS, LATEST EDITION.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COMPLETELY STAKE AND CHECK ALL IMPROVEMENTS TO ENSURE ADEQUATE POSITIONING, BOTH HORIZONTAL AND

VERTICAL PRIOR TO THE INSTALLATION OF ANY IMPROVEMENT.

- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SURVEY MONUMENTATION. DISTURBED MONUMENTATION SHALL BE RESTORED BY A FLORIDA-LICENSED LAND SURVEYOR SELECTED BY THE OWNER AT CONTRACTOR'S SOLE EXPENSE.
- IMMEDIATELY AT ONSET OF CONSTRUCTION, CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES CRITICAL TO COMPLETING THE PROJECT (INCLUDING WATER, REUSE, SEWER, POWER, TELEPHONE, GAS, AND CABLE TV) AND SHALL EVALUATE POTENTIAL CONFLICTS. ALL SUCH CONFLICTS SHALL BE REPORTED TO ENGINEER/OWNER IMMEDIATELY UPON DISCOVERY.
- CONTRACTOR SHALL INSTRUCT THE GEOTECHNICAL TESTING LABORATORY PROVIDING CONSTRUCTION TESTING TO PROVIDE POULOS & BENNETT WITH COPIES OF ALL SITE-WORK TEST REPORTS AS THEY ARE GENERATED. CONTRACTOR SHALL MAINTAIN THE RESPONSIBILITY OF CONSTRUCTING THE PROJECT IN STRICT ACCORDANCE WITH THE PROJECT PLANS, SPECIFICATIONS AND REQUIREMENTS. RECEIPT OF COPIES OF GEOTECHNICAL REPORTS BY POULOS & BENNETT IN NO WAY OBLIGATES POULOS & BENNETT TO ANY REVIEW, COMMENTS OR ACTIONS REGARDING THE WORK.
- DEWATERING IS ANTICIPATED FOR THIS PROJECT. THEREFORE, THE DISCHARGE OF GROUNDWATER FROM DEWATERING OPERATIONS REQUIRES APPROVAL FROM CITY OF APOPKA, FDEP AND THE APPLICABLE WATER MANAGEMENT DISTRICT. THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR OBTAINING ALL DEWATERING PERMITS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR(S) TO ENSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND ARE IN HAND AT THE JOB SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- WORK SHALL BE DONE IN COMPLIANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT THROUGH THE U.S. DEPARTMENT OF LABOR AND THE FLORIDA TRENCH SAFETY ACT.
- ALL PERSONAL PROPERTY, EXCEPT MAIL BOXES, WITHIN THE RIGHT-OF-WAY THAT IS NOT RELOCATED BY THE PROPERTY OWNER SHALL BE REMOVED BY THE CONTRACTOR AS NECESSARY TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE PLANS. MAIL BOXES SHALL BE RELOCATED BY THE CONTRACTOR IN ACCORDANCE WITH FDOT DESIGN STANDARD 532.
- THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING 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 HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO AND PROTECT EXISTING FACILITIES DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING UTILITY RELOCATION WITH UTILITY OWNERS AND ENGINEER SHOULD SITE CONDITIONS DIFFER FROM THOSE SHOWN ON THE PLANS.
- CONTRACTOR IS TO MAINTAIN UNINTERRUPTED ACCESS TO ALL DRIVEWAYS AT ALL TIMES AND IS TO NOTIFY PROPERTY OWNERS FIVE DAYS PRIOR TO STARTING CONSTRUCTION.
- SHOULD AGGRESSIVE SOILS BE ENCOUNTERED, CONTRACTOR SHALL NOTIFY ENGINEER FOR REMEDIAL ACTION.
- IMPACTS TO OFFSITE ROADWAYS, IF ANY, WILL NEED TO BE REPAIRED IN ACCORDANCE WITH CITY/COUNTY REQUIREMENTS. IF REQUIRED, CONTRACTOR SHALL OBTAIN SURETY BOND.
- NO EQUIPMENT EXTENDING HIGHER THAN 15 FT. ABOVE EXISTING GRADE SHALL BE USED WITHIN POWER EASEMENTS.
- THE EXISTENCE AND LOCATION OF ANY OVERHEAD OR UNDERGROUND UTILITY LINES, PIPES, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A RESEARCH OF THE AVAILABLE RECORDS. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO SAME. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD UTILITIES SO AS TO SAFELY PROTECT ALL PERSONNEL AND EQUIPMENT AND SHALL BE RESPONSIBLE FOR ALL COST AND LIABILITY IN CONNECTION THEREWITH.
- ANY WELLS SHOWN HEREON ARE THE WELLS LOCATED TO DATE AND DO NOT NECESSARILY REPRESENT ALL WELLS ON THE PROPERTY. THE ENGINEER SHALL BE NOTIFIED OF ANY WELLS ENCOUNTERED DURING CONSTRUCTION. ALL WELLS NOT DESIGNATED TO REMAIN OR FUNCTION SHALL BE PROPERLY SEALED AND ABANDONED PER APPLICABLE AGENCY REQUIREMENTS.
- VIBRATORY COMPACTION METHODS SHALL NOT BE USED WITHIN ANY EXISTING GAS EASEMENTS.
- ALL LIGHT POLES AND STRUCTURES TO BE LOCATED IN THE FIELD BY SURVEYOR RETAINED BY CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESTORATION OF ANY TRAFFIC EQUIPMENT, INCLUDING BUT NOT LIMITED TO, FIBER, LOOP SENSORS, PULL BOXES, CONDUIT, TRAFFIC SIGNALS AND CABINETS. ANY ITEMS DAMAGED BY THE CONTRACTOR WILL BE RESTORED TO THEIR ORIGINAL CONDITION UNLESS OTHERWISE AGREED UPON BY THE STATE AND/OR LOCAL ENGINEER.
- ALL EXCAVATED AREAS TO BE SEEDED AND/OR SODDED AFTER FINISH GRADING UNLESS OTHERWISE NOTED. ALL NEWLY SEEDED/SODDED AREAS SHALL HAVE A MINIMUM OF 4" OF TOPSOIL. HOLD SOIL DOWN 1" FROM PAVEMENT ELEVATION. CONTRACTOR TO SUPPLY STRAW MULCH WHERE GRASS SEED HAS BEEN PLANTED.
- ALL EXISTING EASEMENTS, RIGHTS-OF-WAY, AND LOT LINES MAY NOT BE SHOWN. REFER TO THE ALTA/NSPS LAND TITLE SURVEY, BOUNDARY SURVEY OR TITLE WORK FOR ASSOCIATED ENCUMBRANCES.
- SURROUNDING DEVELOPMENT AND ELEVATIONS WERE DETERMINED FROM DESIGN DRAWINGS AS LISTED IN THE SURVEYOR SECTION. CONTRACTOR TO FIELD VERIFY ALL ELEVATIONS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER IF DIFFERENT.
- SIGHT LINES SHOWN ON THE PLANS SHALL BE MAINTAINED WITHIN THE TRIANGLES BOTH HORIZONTALLY AND VERTICALLY FROM 30 INCHES TO EIGHT FEET IN HEIGHT. ALL VERTICAL SITE IMPROVEMENTS SHALL BE REMOVED OR KEPT CLEAR FROM TRIANGLES.
- MAINTENANCE OF TRAFFIC DURING CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE APPROVED M.O.T. PLAN ON FILE.
- CONTRACTOR TO MAINTAIN ALL EXISTING SIDEWALKS OPEN DURING CONSTRUCTION, OR A SAFE, ADA COMPLIANT, TEMPORARY APPROVED PEDESTRIAN PATH SHALL BE PROVIDED UNTIL THE SIDEWALK CAN BE REOPENED.
- RETAINING WALLS SHOWN HEREON ARE TO BE DESIGNED BY OTHERS. ENGINEER ASSUMES NO LIABILITY FOR DAMAGE OR FAILURE OF CIVIL IMPROVEMENTS CAUSED BY FAILURE OF WALLS WHETHER DIRECTLY OR INDIRECTLY. ENGINEER RECOMMENDS GEOTECHNICAL CONSULTANT REVIEW. SITE CONDITIONS TO DETERMINE IF A GLOBAL STABILITY ANALYSIS FOR RETAINING WALLS IS APPROPRIATE.
- MANHOLE LIDS, VALVE COVERS AND CLEAN-OUTS LOCATED IN TRAVEL LANES SHALL BE TRAFFIC BEARING RATED.
- PRIOR TO THE START OF LAND DISTURBING ACTIVITIES WHICH INCLUDES DEMOLITION, EARTHWORK AND CONSTRUCTION, THE DEVELOPER/CONTRACTOR SHALL PREPARE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND SUBMIT TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) A NOTICE OF INTENT (NOI) TO OBTAIN COVERAGE UNDER THE NPDES GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (CGP) PURSUANT TO THE REQUIREMENTS OF 62-621.300(4)(A) F.A.C. A COPY OF THE NOI SHALL BE SUBMITTED TO THE OPERATOR(S) OF THE MSA. COPIES OF THE SWPPP, NOI, AND FDEP ACKNOWLEDGEMENT LETTER ARE TO BE KEPT ON THE PROJECT SITE AND MADE AVAILABLE UPON REQUEST. UPON COMPLETION OF ALL LAND DISTURBING ACTIVITIES AND AFTER FINAL STABILIZATION OF THE SITE IS COMPLETE, THE DEVELOPER/CONTRACT SHALL SUBMIT TO FDEP A NOTICE OF TERMINATION (NOT) TO END THEIR COVERAGE UNDER THE CGP AND PROVIDE A COPY OF THE NOT TO THE OPERATOR(S) OF THE MSA.

AS-BUILT NOTES:

- THE CONTRACTOR SHALL SUBMIT A CERTIFIED SET OF RECORD DRAWINGS TO THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING

INFORMATION ON THE APPROVED PLANS CONCURRENTLY WITH CONSTRUCTION PROGRESS. RECORD DRAWINGS SUBMITTED TO THE ENGINEER AS PART OF THE PROJECT ACCEPTANCE SHALL COMPLY WITH MUNICIPALITY REQUIREMENTS AND THE FOLLOWING REQUIREMENTS.

- THE VERTICAL AND HORIZONTAL DATUMS USED SHALL BE AS STATED ON THE DRAWINGS.
- DRAWINGS SHALL BE LEGIBLY MARKED TO RECORD ACTUAL CONSTRUCTION.
- DRAWINGS SHALL SHOW ACTUAL LOCATION OF ALL UNDERGROUND AND ABOVE GROUND STORM DRAINAGE, POTABLE WATER AND WASTEWATER PIPING, AND RELATED APPURTENANCES. ALL CHANGES TO PIPING LOCATION INCLUDING HORIZONTAL AND VERTICAL LOCATIONS OF UTILITIES AND APPURTENANCES SHALL BE CLEARLY SHOWN AND REFERENCED TO PERMANENT SURFACE IMPROVEMENTS. DRAWINGS SHALL ALSO SHOW ACTUAL INSTALLED PIPE MATERIAL, CLASS, ETC.
- DRAWINGS SHALL CLEARLY INDICATE VERTICAL AND HORIZONTAL SEPARATION BETWEEN POTABLE WATER MAIN AND STORM DRAINAGE/SANITARY SEWER/RECLAIMED WATER MAINS AT POINTS OF CROSSING IN ACCORDANCE WITH FDEP CRITERIA AND UTILITY PROVIDER REQUIREMENTS.
- DRAWINGS SHALL CLEARLY SHOW ALL FIELD CHANGES OF DIMENSION AND DETAIL INCLUDING CHANGES MADE BY FIELD ORDER OR BY CHANGE ORDER.
- DRAWINGS SHALL CLEARLY SHOW ALL DETAILS NOT ON ORIGINAL CONTRACT DRAWINGS, BUT CONSTRUCTED IN THE FIELD. ALL EQUIPMENT AND PIPING RELOCATION SHALL BE CLEARLY SHOWN.
- LOCATION OF ALL INLETS, MANHOLES, HYDRANTS, VALVES, AND VALVE BOXES SHALL BE SHOWN. ALL VALVES SHALL BE REFERENCED FROM AT LEAST TWO AND PREFERABLY THREE PERMANENT POINTS OR BY STATE PLANE COORDINATES OR OTHER UTILITY PROVIDER ACCEPTABLE REFERENCE.
- DIMENSIONS BETWEEN ALL INLETS AND MANHOLES SHALL BE FIELD VERIFIED, AND THE INVERTS AND GRADE ELEVATIONS OF ALL INLETS AND MANHOLES SHALL BE SHOWN.
- CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY FOR POND GRADING. AS-BUILT POND CONTOURS SHALL BE PROVIDED AT TOP OF BANK, POND BOTTOM, AND ALL GRADE BREAKS AND ELEVATIONS SPECIFIED ON THE PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR RE-GRADING POND SLOPES THAT ARE STEEPER THAN REQUIRED PER PLAN (HORIZONTAL:VERTICAL) TO A DEPTH OF 2 FT MINIMUM BELOW THE SLOIT.
- WHERE THE POTABLE WATER MAIN CROSSES OTHER UTILITIES (STORM, GRAVITY SEWER, FORCEMAIN AND RECLAIMED WATER), THE CERTIFIED AS-BUILT DRAWINGS SHALL CLEARLY INDICATE THE CONSTRUCTED ELEVATIONS, ALONG WITH PHOTOGRAPHS OF EACH CROSSING, IN SUCH A WAY THAT THE VERTICAL SEPARATION BETWEEN THE WATER MAIN AND OTHER UTILITIES MAY BE VERIFIED BY THE ENGINEER. FAILURE TO PROVIDE THIS INFORMATION WILL RESULT IN THE CONTRACTOR EXCAVATING AND SURVEYING THE UTILITIES AT THE CONTRACTOR'S SOLE EXPENSE.
- WHERE THE POTABLE WATER MAIN CROSSES OTHER UTILITIES (STORM, GRAVITY SEWER, FORCEMAIN AND RECLAIMED WATER), THE CERTIFIED AS-BUILT DRAWINGS SHALL CLEARLY INDICATE THE LOCATIONS OF PIPE JOINTS IN SUCH A MANNER AS TO DEMONSTRATE THE PIPE IS CENTERED AT ALL THE CROSSING. FAILURE TO PROVIDE THIS INFORMATION WILL RESULT IN THE CONTRACTOR EXCAVATING AND SURVEYING THE UTILITIES AT THE CONTRACTOR'S SOLE EXPENSE.
- WHERE UPGRADED PIPE MATERIALS ARE SHOWN IN THE PLANS OR AS DIRECTED IN THE FIELD BY THE ENGINEER OR MUNICIPALITY, THE LENGTH, LOCATIONS, FITTINGS, ETC. FOR UPGRADED PIPE SHALL BE SHOWN ON THE AS-BUILT DRAWINGS, RECORD DRAWINGS OR PHOTOS.
- CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY FOR ALL PARK AND OPEN SPACE TRACTS GRADING. ENGINEER WILL CONFIRM COMPLIANCE WITH AGENCY REQUIREMENTS AND NOTIFY CONTRACTOR IF REMEDIAL ACTION IS NECESSARY.
- COMPLETE CERTIFIED AS-BUILT DRAWINGS SHALL BE PROVIDED TO THE ENGINEER PRIOR TO BACTERIOLOGICAL TESTING. FAILURE TO PROVIDE ACCURATE DRAWINGS MAY RESULT IN EXPEDITED TEST RESULTS AND REQUIRE ADDITIONAL TESTING AT THE CONTRACTOR'S SOLE EXPENSE.
- AS-BUILT DRAWINGS SHALL BE PREPARED IN ACCORDANCE WITH POULOS & BENNETT CAD STANDARDS.
- POTABLE WATER CROSSINGS - POULOS & BENNETT REQUIRES THAT AT LEAST TEN PERCENT (10%) OF THE POTABLE WATER CROSSINGS AND INSTALLATIONS BE FIELD VERIFIED BY POULOS & BENNETT STAFF. THE 10% TO BE FIELD VERIFIED WILL BE IDENTIFIED BY POULOS & BENNETT PRIOR TO CONSTRUCTION AND PROVIDED TO THE SITE CONTRACTOR.
- IN CITY OF APOPKA COMPLETE AS-BUILTS AND ASSET TABLES, MEETING OCU MANUAL OF STANDARD AND CONSTRUCTION SPECIFICATIONS (DATED APRIL 2011), SHALL BE PROVIDED TO POULOS & BENNETT FOR REVIEW AND APPROVAL. PAY APPLICATIONS REQUESTING PAYMENT BEYOND 80% OF CONTRACT AMOUNT, PER SYSTEM, MAY BE HELD AT THE DISCRETION OF THE OWNER UNTIL THE AS-BUILTS AND ASSET TABLES ARE DEEMED COMPLETE BY POULOS & BENNETT.
- CONTRACTOR SHALL PROVIDE ELEVATIONS OF THE ADA RAMPS, LANDINGS AND CROSS-WALKS AT SUFFICIENT LOCATIONS TO DETERMINE ADHERANCE TO THE ADA GUIDELINES.

SURVEY AND CONTROL:

- EXISTING TOPOGRAPHY AND CONTOURS BASED ON THE FOLLOWING:

SURVEYOR: PEC SURVEYING AND MAPPING, LLC
DRAWING NO.: MAP OF BOUNDARY AND TOPOGRAPHIC SURVEY
DATED: 03/23/2022

- SURVEYOR'S REFERENCE VERTICAL BENCHMARK:

DESCRIPTION: BENCHMARK NUMBER L708029
LOCATION: ORANGE COUNTY ENGINEERING
ELEVATION: 127.968 FEET (NAVD 1988)

- SITE TEMPORARY VERTICAL BENCHMARK:

DESCRIPTION: BENCHMARK NUMBER L708027
LOCATION: ORANGE COUNTY ENGINEERING
ELEVATION: 145.285 FEET (NAVD 1988)

BENCHMARK LOCATION AND ELEVATION ARE AS REPRESENTED BY SURVEYOR AT THE TIME OF THE SURVEY. CONTRACTOR SHALL VERIFY ITS CORRECTNESS AT TIME OF CONSTRUCTION.

PAVING, DRAINAGE AND GRADING:

- THE CONTRACTOR SHALL INSTALL, AS PART OF THE INFRASTRUCTURE AND PRIOR TO CERTIFICATE OF COMPLETION, DROP CURBS AND HANDICAP RAMPS AT ALL INTERSECTIONS OF SIDEWALK WITH THE PROPOSED PAVEMENT TO MEET STATE OF FLORIDA ACCESSIBILITY CODE AND FEDERAL A.D.A. REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING FDEP GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUND WATER FROM ANY NON-CONTAMINATED SITE ACTIVITY IN ACCORDANCE OF FLORIDA ADMINISTRATIVE CODE 62-621.300 (2), 62-620, AND FLORIDA STATUTES CHAPTER 403.
- DURING CONSTRUCTION, THE GEOTECHNICAL ENGINEER PROVIDING PROJECT TESTING SHALL MONITOR CONSTRUCTION CONDITIONS AND PROVIDE RECOMMENDATIONS FOR ADDITIONAL ROADWAY UNDERDRAINS AS NEEDED. ENGINEER SHALL BE NOTIFIED OF ANY SUCH RECOMMENDATIONS.
- ALL UPLAND DEVELOPMENT ONSITE AREA, EXCLUDING LANDSCAPE AREAS, SHALL, AT A MINIMUM, BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 TEST METHOD. THIS REQUIREMENT APPLIES TO WORK PREPARED BY THE GENERAL CONTRACTOR AND SUB-CONTRACTORS PERFORMING WORK ONSITE. ENGINEER RESERVES RIGHT TO WITHHOLD PAYMENT FOR ANY AREA THAT DOES NOT MEET DENSITY AS SPECIFIED.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL FIELD STAKE AND POPE OFF CONSERVATION AREA LINES. OWNER RESERVES THE RIGHT TO CHECK THE STAKING AND ROPING AND REQUIRE IT TO BE RELOCATED IF NECESSARY. IT SHALL REMAIN IN PLACE UNTIL ADJACENT CONSTRUCTION IS COMPLETE.
- ALL SIGNAGE, PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES SHALL BE IN

ACCORDANCE WITH FDOT "STANDARD PLANS" AND FHWA "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITIONS.

- REGULATORY SIGNS (STOP, ETC.) SHALL BE IN PLACE PRIOR TO FINAL INSPECTION OF PAVING AND DRAINAGE IMPROVEMENTS. UNLESS SIGNAGE IS PROVIDED BY THE MUNICIPALITY.
- PIPE LENGTHS SHOWN REPRESENT SCALED DISTANCE BETWEEN CENTERLINES OF DRAINAGE STRUCTURES AND FROM INVERTS OF ENDWALLS AND/OR MITERED END SECTIONS. BIDDERS SHALL ADJUST FOR PIPE LENGTHS WHEN BIDDING MITERED END SECTIONS.
- CONTRACTOR SHALL NOT COMPACT, STABILIZE, OR CONSTRUCT BASE COURSE WITHIN LANDSCAPE ISLANDS, TRACTS OR MEDIANS. WHERE SUCH TREATMENT DOES OCCUR, IT SHALL BE REMOVED AND REPLACED WITH SUITABLE PLANTING SOILS ACCEPTABLE TO OWNER'S LANDSCAPE ARCHITECT.
- ALL PAVEMENT RETURN RADI SHALL BE 25' AND MEASURED FROM THE INTERFACE TO THE CONCRETE CURB AND PAVEMENT SURFACE UNLESS OTHERWISE NOTED.
- SITE GRADING, PAVING AND DRAINAGE MATERIALS AND CONSTRUCTION SHALL CONFORM TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- STORM DRAINS SHALL BE REINFORCED CONCRETE PIPE, PER ASTM C-76 CLASS III, UNLESS OTHERWISE SPECIFIED. LIFTING HOLES ARE PROHIBITED.
- UNDERDRAIN, IF ANY, SHALL BE HEAVY-DUTY CORRUGATED POLYETHYLENE PIPE WITH FACTORY-INSTALLED FILTER FABRIC AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS (ADS), OR APPROVED EQUAL.
- UNDERDRAIN DISCHARGE PIPE, IF ANY, SHALL BE PVC PER ASTM D3034 SDR 35 WITH ELASTOMERIC JOINTS, NON-PERFORATED.
- YARD DRAINS, IF ANY, SHALL BE NYOPLAST INLINE DRAINS AND DRAIN BASINS AS APPLICABLE WITH CAST IRON GRATES AND WATERTIGHT ADAPTER CONNECTIONS (OR APPROVED EQUAL).
- YARD DRAIN PIPING: PVC CONFORMING TO ASTM D3034, SDR35 SHALL BE USED FOR ALL PIPE RUNS IN WHICH ANY PART LIES UNDER PAVED AREAS. SAID PVC OR HEAVY DUTY CORRUGATED POLYETHYLENE MAY BE USED FOR ALL OTHER RUNS. MATERIAL SELECTION SHALL BE CONSISTENT THROUGHOUT THE PROJECT.
- DITCH BOTTOM AND CONTROL STRUCTURE INLET GRATES SHALL BE SECURED WITH CHAIN AND EYEBOLT.
- FIVE (5) FEET OF SOD IS REQUIRED AROUND ALL DITCH BOTTOM INLETS, MANHOLES, HEADWALLS AND MITERED END SECTIONS.
- THE LIMITS OF THE POND TRACTS SHALL BE SODDED FROM TRACT LIMITS TO 2' BELOW NCL. IN THE CASE OF DRY BOTTOM PONDS, THE BOTTOM WILL BE SEEDED AND MULCHED UNLESS OTHERWISE SPECIFIED.
- BLUE REFLECTIVE PAVEMENT MARKERS FOR ALL FIRE HYDRANTS SHALL BE PLACED IN THE CENTER OF THE NEAREST TRAVELED LANE TO MARK THEIR LOCATIONS.
- CONCRETE SIDEWALKS (AS SPECIFIED BY APPROPRIATE ROADWAY SECTION) ADJACENT TO ALL LOTS TO BE INSTALLED BY HOME BUILDER. SIDEWALKS ADJACENT TO PONDS, PARKS, AND OPEN SPACE, AS WELL AS TRACT ACCESS APRONS AS SHOWN ON PLANS, ARE TO BE CONSTRUCTED WITH INFRASTRUCTURE.
- TOP ELEVATIONS OF MANHOLES IN GRASSED AREAS SHALL BE AT MINIMUM 4 INCHES ABOVE FINISH GRADE.
- MINIMUM LONGITUDINAL SLOPE OF CURB SHALL BE 0.30% UNLESS SPECIFIED OTHERWISE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE DOCUMENTATION, FOR ADS STORM PIPE, FROM THE PIPE MANUFACTURER CONFIRMING THAT SUFFICIENT COVER HAS BEEN PROVIDED TO PREVENT FLOTATION. IN THE EVENT THAT ADEQUATE COVER IS NOT PROVIDED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN DESIGN AND CONSTRUCTION SPECIFICATIONS FROM THE MANUFACTURER, FOR THE ADS PIPE ANCHORING SYSTEM. IF ADS STORM PIPE IS USED THEN MITERED END SECTIONS (MES) MAY BE SUBSTITUTED FOR FLARED END SECTIONS (FES) AT PIPE RUN TERMINATIONS.
- 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.
- GEOTECHNICAL SERVICES HAVE BEEN PROVIDED AS REFERENCED BELOW. GEOTECHNICAL RECOMMENDATIONS ARE NOT THE RESPONSIBILITY OF POULOS & BENNETT. POULOS & BENNETT HAS RELIED ON THE BELOW REFERENCED GEOTECHNICAL REPORT(S) IN PREPARATION OF THE DRAWINGS. ANY CONFLICT BETWEEN INFORMATION WITHIN THE REPORT AND THESE DRAWINGS SHALL BE REPORTED TO ENGINEER/OWNER. POULOS & BENNETT ASSUMES NO RESPONSIBILITY FOR THE CORRECTNESS, COMPLETENESS OR ACCURACY OF GEOTECHNICAL INFORMATION.

GEOTECHNICAL ENGINEER: UNIVERSAL ENGINEERING SCIENCES
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CONTRACTOR IS RESPONSIBLE FOR GRADING ALL PAVEMENTS TO DRAIN POSITIVELY. INTERSECTIONS SHALL BE TRANSITIONED TO PROVIDE A SMOOTH DRIVING SURFACE WHILE MAINTAINING POSITIVE DRAINAGE. SHALL AREAS OF POOR DRAINAGE BE OBSERVED, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PLACEMENT OF CURBS OR PAVEMENT COURSES, SO THAT RECOMMENDATIONS FOR CORRECTION MAY BE MADE.

FINISHED FLOOR ELEVATION IS TYPICALLY 8" INCHES ABOVE DESIGN FINISHED GRADE AT OUTSIDE PERIMETER OF BUILDINGS EXCEPT AT ENTRIES AND WHERE OTHERWISE SHOWN.

100-YEAR FLOOD ELEVATIONS SHOWN HEREIN ARE DERIVED FROM (FEMA/FLOOD INSURANCE RATE MAP 1209SC0050F OF ORANGE COUNTY FLORIDA, COMMUNITY PANEL #50 OF 750, REVISED 9/25/2009).

ALL DISTURBED FDOT, CITY AND COUNTY RIGHTS OF WAY SHALL BE RESTORED. SOD SHALL BE PLACED FROM EDGE OF PAVEMENT TO THE TOE OF BANK AND ALL AREAS SHALL MATCH OR EXCEED PRECONSTRUCTION CONDITIONS.

FINISHED FLOOR ELEVATIONS ARE MINIMUM ELEVATIONS REQUIRED TO SATISFY DRAINAGE AND/OR 100-YEAR FLOODPLAIN REQUIREMENTS. PAD ELEVATIONS, IMMEDIATELY OUTSIDE OF BUILDING WALLS SHALL BE NO MORE THAN 8 INCHES BELOW THE FINISHED FLOOR ELEVATIONS SHOWN.

ALL OFF-SITE DISTURBED AREAS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION, OR BETTER.

OVER-EXCAVATION OF RETENTION BASINS SHALL NOT BE ALLOWED UNLESS SPECIFICALLY AUTHORIZED BY ENGINEER/OWNER. SHALL UNAUTHORIZED OVER-EXCAVATION OCCUR, IT SHALL BE BACKFILLED, REGRADED, RESODDED AND/OR RESEEDED AS REQUIRED BY OWNER AT CONTRACTOR'S EXPENSE TO OWNER'S SPECIFICATIONS.

CONTRACTOR SHALL REMOVE ALL MUCK DEPOSITS IN CONSTRUCTION AREAS AND AREAS TO BE FILLED. SEE GEOTECHNICAL REPORT.

ENGINEER RESERVES THE RIGHT TO WITHHOLD AUTHORIZATION FOR PAYMENT FOR ANY ROADWORK WHICH HAS NOT BEEN TESTED BY A FLORIDA-REGISTERED GEOTECHNICAL ENGINEER AND REPORTED TO CONFORM TO PROJECT SPECIFICATIONS.

ROAD GRADING AND CONSTRUCTION SHALL INCLUDE BRINGING ANY UTILITY EASEMENTS, AS SHOWN OR NOTED ON THE PLAT OR CONSTRUCTION DRAWINGS, ADJACENT TO THE RIGHT-OF-WAY LINE TO WITHIN 6 INCHES OF FINAL DESIGN GRADE. LOT GRADING REQUIREMENT MAY BE MORE STRINGENT.

DRAINAGE MANHOLES AND INLETS (NOT INCLUDING CONTROL STRUCTURES) IN THE PLANS ARE IDENTIFIED BY TOP TYPE ONLY. CONTRACTOR SHALL PROVIDE STANDARD DITCH BOTTOM INLET, J OR P STRUCTURE BOTTOMS, SIZED AS REQUIRED TO ACCOMMODATE PIPE SIZES AND ORIENTATIONS SHOWN. SHOP DRAWINGS SHALL BE SUBMITTED WHICH CLEARLY REPRESENT SUCH DATA.

ANY PROPOSED RETAINING WALLS DESIGN BY OTHERS.

Key Map:

2 03/05/2023 RESUBMIT TO CITY OF APOPKA

1 01/05/2024 RESUBMIT TO CITY OF APOPKA

0 10/23/2023 SUBMIT TO CITY OF APOPKA

NO. DATE DESCRIPTIONS

SUBMISSIONS/REVISIONS

VERTICAL DATUM: NAVD 88

JOB NO.: 21-175

DESIGNED BY: KML

DRAWN BY: KML

CHECKED BY: MDS

APPROVED BY: MDS

SCALE IN FEET: N.T.S.

Project Name:

CROSSROADS AT
A KELLY PARK -
PHASES 2A-1 & 2A-2

Jurisdiction:

CITY of APOPKA, FL

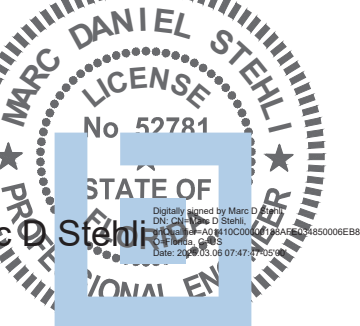
Sheet Title:

CONSTRUCTION
NOTES

Sheet No.:

C0.01

Seal:



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THE UTILITY NOTES BELOW ARE PROVIDED AS MINIMUM REQUIREMENTS AND ARE NOT INTENDED TO SUPERCEDE 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 GOVERNMENT STANDARDS.
2. PIPE LENGTHS SHOWN REPRESENT SCALED DISTANCES BETWEEN FITTINGS OF BRANCHES AND MAINS.
3. DEFLECTIONS AT JOINT 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 NEEDED.
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 62-555.320(21)(B)3, F.A.C. USING BLUE AS A PREDOMINANT COLOR. ALL DUCTILE IRON WATER MAINS SHALL BE MARKED WITH A CONTINUOUS STRIPE LOCATED WITHIN THE TOP 90 DEGREES OF THE PIPE. SAID STRIPE 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 ALONG THE TOP OF THE PIPE.
7. ALL NON-METALLIC WATER MAINS SHALL BE INSTALLED WITH A CONTINUOUS, INSULATED 10 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 DISINFECTION OF THE WATER DISTRIBUTION SYSTEM SHALL BE DONE IN ACCORDANCE WITH THE AWWA STANDARDS. HYDROSTATIC TESTING TO BE DONE IN ACCORDANCE WITH AWWA C-600 FOR DUCTILE IRON PIPE AND C-605 FOR PVC PIPE. DISINFECTING AND BACTERIOLOGICAL EVALUATION TO BE DONE IN ACCORDANCE WITH AWWA C-651 AND RULE 62-555.340.F.A.C.
9. MARK SERVICES WITH 6" HIGH PIECE 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.

10. 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, LATEST EDITION. PVC SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA STANDARD C900. THE PVC SHALL HAVE A MINIMUM WORKING PRESSURE OF 150 P.S.I. AND SHALL HAVE A DIMENSION RATIO (DR) OF 18. PIPE SHALL BE THE SAME O.D. AS DUCTILE IRON PIPE. PVC JOINT - SHALL BE IN ACCORDANCE WITH ASTM D3139.
- DUCTILE IRON - SHALL CONFORM TO ANSI/AWWA C150/C151. A MINIMUM OF CLASS 50 PIPE SHALL BE SUPPLIED.
- DUCTILE IRON JOINT - SHALL BE IN ACCORDANCE WITH ANSI A21.11 AND AWWA C111.
- SERVICES - SHALL BE IN ACCORDANCE WITH AWWA C901/C800 STANDARDS FOR POLYETHYLENE TUBING, CLASS 160.
11. 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 ANSI/AWWA C651-92 AND LOCAL GOVERNMENT STANDARDS
12. VERTICAL SEPARATION BETWEEN UNDERGROUND POTABLE WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES:

NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- 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.
13. AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY-OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
14. 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 III OF CHAPTER 62-610, 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 SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.
- NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.006(5)(2), F.S., AND RULE 64E-6.002, F.A.C.
15. A MINIMUM OF 3 FEET OF COVER SHALL BE MAINTAINED OVER WATERMAINS, UNLESS OTHERWISE NOTED.
16. ALL PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT SHALL CONTAIN NO MORE 8.0% LEAD, AND ANY SOLDER OR FLUX USED IN THIS PROJECT SHALL CONTAIN NO MORE THAN 0.2% LEAD.
17. NEW OR ALTERED DEAD-END WATER MAINS INCLUDED IN THIS PROJECT SHALL BE PROVIDED WITH A FIRE OR FLUSHING HYDRANT OR BLOW-OFF FOR FLUSHING PURPOSES.
18. NEW OR ALTERED FIRE HYDRANT LEADS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 6" AND SHALL INCLUDE AN AUXILIARY VALVE.
19. IF AGGRESSIVE SOIL CONDITIONS ARE FOUND DURING CONSTRUCTION, WATER

20. 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 UNSUITABLY SIZED STONES (AS DESCRIBED IN APPLICABLE AWWA STANDARDS OR MANUFACTURERS' RECOMMENDED INSTALLATION PROCEDURES) FOUND IN TRENCHES WILL BE REMOVED FOR A DEPTH OF A LEAST SIX INCHES BELOW THE BOTTOM OF UNDERGROUND PIPE INSTALLED UNDER THIS PROJECT.
21. CONTRACTOR SHALL NOT ACTIVATE WATER SERVICE UNTIL THE FDEP HAS CLEARED THE SYSTEM FOR USE AND THE CLEARANCE LETTER HAS BEEN RECEIVED BY THE OWNER.
22. CONTRACTOR SHALL COORDINATE ALL UTILITIES SYSTEMS TEST SCHEDULING TO ALLOW ENGINEER'S ATTENDANCE PROVIDING MINIMUM NOTICE 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.
23. ENGINEER RESERVES THE RIGHT TO WITHHOLD AUTHORIZATION OF PAYMENT FOR ANY PORTION OF THE UTILITIES PIPE WORK WHICH HAS NOT BEEN TESTED (OBSERVED BY ENGINEER) AND REPORTED TO CONFORM TO PROJECT SPECIFICATIONS.
24. SITE CONTRACTOR SHALL COORDINATE AND VERIFY ALL UTILITY SERVICES WITH FINAL ARCHITECTURAL DRAWINGS AND BUILDING CONTRACTOR.
25. CONTRACTOR SHALL VERIFY SIZE AND TYPE OF EXISTING MAIN PRIOR TO ORDERING TAPPING MATERIALS FOR TIE-INS.
26. CONCRETE CURBS SHALL BE CHISELED OR IMPRINTED TO SHOW LOCATIONS OF WATER AND SEWER SERVICE LINES/LATERALS. MARKING SHALL CONFORM WITH LOCAL STANDARDS. WHERE NO STANDARDS EXIST, USE "R" FOR RECLAIMED WATER, "W" FOR WATER, AND "S" FOR SANITARY.
27. 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 SUPERCEDE 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.
4. ALL SANITARY SERVICE LATERALS SHALL BE 6 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, CONTRACTOR SHALL VERIFY THE AS-BUILT SANITARY SEWER PIPE SLOPES. MINIMUM SHALL BE IN ACCORDANCE WITH FDEP MINIMUM CRITERIA BUILT FOR 8" PVC SEWER LINE SLOPE WILL BE 0.28%, FOR 12" PVC WILL BE 0.17% AND FOR 15" PVC WILL BE 0.12%. ANY LINE NOT MEETING MINIMUM SLOPE WILL BE RELAYED BY CONTRACTOR TO MEET THE MINIMUM SLOPE REQUIREMENT AT NO ADDITIONAL COST.
6. MARK LATERALS WITH 6" HIGH PIECE 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 EXFILTRATION OR INFILTRATION DOES NOT EXCEED 200 GALLONS PER INCH OF PIPE DIAMETER PER MILE PER DAY FOR ANY SECTION OF THE SYSTEM. EXFILTRATION 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 C-828 FOR CLAY PIPE, ASTM C924 FOR CONCRETE PIPE, ASTM F-1417 FOR PLASTIC PIPE, AND FOR OTHER MATERIALS APPROPRIATE TEST PROCEDURES. AIR TESTING, IF SPECIFIED FOR CONCRETE SEWER MANHOLES, CONFORMS TO THE TEST PROCEDURES DESCRIBED IN ASTM C-1244.
- MANHOLE LIFT HOLES AND GRADE ADJUSTMENT RINGS BE SEALED WITH NON-SHRINKING MORTAR OR OTHER APPROPRIATE MATERIAL.
9. INLET AND OUTLET PIPES BE JOINED TO THE MANHOLE WITH A GASKETED FLEXIBLE WATER-TIGHT CONNECTION OR ANOTHER WATER-TIGHT CONNECTION ARRANGEMENT THAT ALLOWS DIFFERENTIAL SETTLEMENT OF THE PIPE AND MANHOLE WALL.
10. WATER-TIGHT MANHOLE COVERS BE USED WHEREVER THE MANHOLE TOPS MAY BE FLOODED BY STREET RUNOFF OF HIGH WATER.
11. MINIMUM SEPARATION BETWEEN POTABLE WATER LINES AND SANITARY HAZARDS (SANITARY SEWER, FORCE MAIN, STORM SEWER, REUSE WATER) 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 STIPULATED BE REQUIRED, THE WATER LINE SHALL BE CONSTRUCTED OF 20 FEET OF PRESSURE TIGHT JOINT DUCTILE IRON PIPE. IF THE REQUIRED 10 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 FDEP SPECIFICATIONS.
12. PVC GRAVITY SEWER PIPE SHALL MEET ASTM D3034, SDR35.
14. ALL SANITARY SEWER PIPE SHALL BE COLORED GREEN.
14. FIBERGLASS LINE ALL MANHOLES WHICH RECEIVE DISCHARGE FROM A FORCEMAIN.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING SERVICES AT EACH LOT. SERVICES SHALL HAVE 3" MIN. AND 4" MAX. COVER AT LOT CLEAN OUT.

THE UTILITY NOTES BELOW ARE PROVIDED AS MINIMUM REQUIREMENTS AND ARE NOT INTENDED TO SUPERCEDE LOCAL GOVERNMENT AND AGENCY REQUIREMENTS

RECLAIMED WATER NOTES:

1. ALL RECLAIMED WATER PIPES SHALL BE INSTALLED USING WATER PIPE CRITERIA. MAINS SHALL BE CLASS 52 DIP IF 24"-30" OF COVER IS PROVIDED AND CLASS 51 IF 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. RECLAIMED WATER WHEN LESS THAN 3' OF COVER IS ACHIEVED SHALL BE D.I.P. (COVER LESS THAN 3' IS ONLY ALLOWED AT SPECIFIC CROSSINGS APPROVED BY ENGINEER) PROVIDE MECHANICAL JOINTS AND FITTINGS AS NECESSARY FOR THE VERTICAL TRANSITIONS.
3. EXCEPT FOR PVC PIPE, MAXIMUM DEFLECTIONS AT PIPE JOINTS, FITTINGS AND LAYING RADIUS FOR THE VARIOUS PIPE LENGTHS SHALL NOT EXCEED 75% OF THE PIPE MANUFACTURERS' RECOMMENDATION. A MINIMUM VERTICAL CLEARANCE OF 18" SHALL BE MAINTAINED. WHERE 18" CLEARANCE IS NOT POSSIBLE, WATER AND RECLAIMED WATER WILL BE UPGRADED TO D.I.P.
4. MARK LATERALS WITH 6" HIGH PIECE OF 2" X 4" PLANK PAINTED PURPLE, AND AN R IMPRESSED IN THE CURB.
5. CASINGS WILL BE PROVIDED FOR SERVICES LOCATED UNDER LANDSCAPE MEDIANS.
6. ALL PVC RECLAIMED WATER PIPE SHALL BE AS SPECIFIED IN THE CONTRACT DOCUMENTS, MARKED WITH THE SEAL OF APPROVAL OF THE NATIONAL SANITATION FOUNDATION (NSF) AND BE PURPLE IN COLOR.
7. ALL DUCTILE IRON RECLAIMED WATER MAINS SHALL BE MARKED WITH A CONTINUOUS STRIPE LOCATED WITHIN THE TOP 90 DEGREES OF THE PIPE. SAID STRIPE SHALL BE A MINIMUM 2 INCHES IN WIDTH AND SHALL BE PURPLE IN COLOR. BACKFILL SHALL NOT BE PLACED FOR 30 MINUTES FOLLOWING PAINT APPLICATION.
8. ALL NON-METALLIC RECLAIMED WATER MAINS SHALL BE INSTALLED WITH A CONTINUOUS, INSULATED 10 GAUGE COPPER WIRE INSTALLED DIRECTLY ON TOP OF THE PIPE FOR LOCATION PURPOSES. SEE STANDARD DRAWINGS. IN ADDITION, ALL PVC RECLAIMED WATER MAINS SHALL BE SOLID, PANTONE PURPLE COLOR.

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 C-600 FOR DUCTILE IRON PIPE AND M23 FOR PVC PIPE.
10. ALL RECLAIMED WATER HOSE BIBBS, HAND-OPERATED CONNECTIONS, AND OUTLETS SHALL BE CONTAINED IN UNDERGROUND SERVICE VAULTS 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 OUTLETS SHALL BE COLOR CODED PANTONE 522C PURPLE AND MARKED PER LOCAL AND STATE CODES TO DIFFERENTIATE RECLAIMED WATER FROM POTABLE OR OTHER WATER.
11. VAULTS 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 FACILITIES.
13. A RESIDENTIAL 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 PRACTICED.
15. BOX COVERS FOR RECLAIMED WATER SYSTEM ELEMENTS (VALVES, METER, BFP'S, 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 CROSS-CONNECTED. AN AIR GAP OF TWO PIPE DIAMETERS IS REQUIRED BETWEEN SUCH WATER.
17. THE WETTED EDGE OF AREAS IRRIGATION WITH RECLAIMED WATER SHALL NOT BE CLOSER THAN 75 FEET TO ANY PUBLIC OR PRIVATE POTABLE WATER WELL.
18. NO RECLAIMED WATER TRANSMISSION FACILITY/MAIN SHALL BE WITHIN 75 FEET OF ANY PUBLIC WATER SUPPLY WELL.

DEMOLITION 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 CAPPED/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. MANHOLE 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 WORK.
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 DIRECTED TO BID OTHERWISE.

THE LEAKAGE EXFILTRATION OR INFILTRATION DOES NOT EXCEED 200 GALLONS PER INCH OF PIPE DIAMETER PER MILE PER DAY FOR ANY SECTION OF THE SYSTEM. EXFILTRATION 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 C-828 FOR CLAY PIPE, ASTM C924 FOR CONCRETE PIPE, ASTM F-1417 FOR PLASTIC PIPE, AND FOR OTHER MATERIALS APPROPRIATE TEST PROCEDURES. AIR TESTING, IF SPECIFIED FOR CONCRETE SEWER MANHOLES, CONFORMS TO THE TEST PROCEDURES DESCRIBED IN ASTM C-1244.

MANHOLE LIFT HOLES AND GRADE ADJUSTMENT RINGS BE SEALED WITH NON-SHRINKING MORTAR OR OTHER APPROPRIATE MATERIAL.

INLET AND OUTLET PIPES BE JOINED TO THE MANHOLE WITH A GASKETED FLEXIBLE WATER-TIGHT CONNECTION OR ANOTHER WATER-TIGHT 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 LINES AND SANITARY HAZARDS (SANITARY SEWER, FORCE MAIN, STORM SEWER, REUSE WATER) 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 STIPULATED BE REQUIRED, THE WATER LINE SHALL BE CONSTRUCTED OF 20 FEET OF PRESSURE TIGHT JOINT DUCTILE IRON PIPE. IF THE REQUIRED 10 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 FDEP SPECIFICATIONS.

PVC GRAVITY SEWER PIPE SHALL MEET ASTM D3034, SDR35.

ALL SANITARY SEWER PIPE SHALL BE COLORED GREEN.

FIBERGLASS LINE ALL MANHOLES WHICH RECEIVE DISCHARGE FROM A FORCEMAIN.

CONTRACTOR IS RESPONSIBLE FOR PROVIDING SERVICES AT EACH LOT. SERVICES SHALL HAVE 3" MIN. AND 4" MAX. COVER AT LOT CLEAN OUT.

THE UTILITY NOTES BELOW ARE PROVIDED AS MINIMUM REQUIREMENTS AND ARE NOT INTENDED TO SUPERCEDE LOCAL GOVERNMENT AND AGENCY REQUIREMENTS

FIRE PROTECTION NOTES:

1. MAINS DESIGNATED AS FIRE PROTECTION SHALL BE INSTALLED BY A FLORIDA LICENSED FIRE PROTECTION CONTRACTOR 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 INSTANCES WHERE THERE ARE NO FIRE HYDRANTS IN CLOSE PROXIMITY TO PROVIDE FIRE PROTECTION, PER THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA-1, 16.4.3.1.3, UNDERGROUND WATER MAINS AND HYDRANTS ARE REQUIRED TO BE PROVIDED SHALL BE INSTALLED, COMPLETED AND IN SERVICE PRIOR TO CONSTRUCTION WORK.
4. PER NFPA-1, 18.3.4.1, DURING CONSTRUCTION, CLEARANCES OF 7.5 FEET IN FRONT OF AND TO THE SIDES OF THE FIRE HYDRANT WITH A 4-FOOT CLEARANCE TO THE REAR MUST BE PROVIDED AND MAINTAINED AT ALL TIMES.

ADS HDPE 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 BIDS 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 ADS APPROVED METHODS ARE USED TO MITIGATE FOR POTENTIAL FLOTATION 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.

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 MANDREL TESTING PRIOR TO ACCEPTANCE.
7. IN MUNICIPALITIES WHERE ADS PIPE IS NOT ALLOWED IN THE PUBLIC RIGHTS-OF-WAY, THE CONTRACTOR MAY USE ADS PIPE IN PRIVATE, NON-PUBLIC AREAS WITH ENGINEER'S PERMISSION.
8. PIPE 4" TO 48" (WHERE DESIGNATED) SHALL BE ADS HDPE N-12 SMOOTH INTERIOR POLYETHYLENE PIPE. PIPE AND FITTINGS SHALL BE MADE OF VIRGIN PE COMPOUNDS WITH CONFORM WITH THE REQUIREMENTS OF CELL CLASS 324420C AND DEFINED AND DESCRIBED IN ASTM D3350.
9. THE HDPE FITTINGS SHALL NOT RESTORE OR IMPAIR 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 & SPIGOT 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 NEOPRENE 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 ENGINEERS PRE-AUTHORIZATION.

GENERAL SPECIFICATIONS:

SCOPE
THIS SPECIFICATION DESCRIBES 12- THROUGH 60-INCH (300 TO 1500 MM) ADS HP STORM PIPE FOR USE IN GRAVITY- FLOW STORM DRAINAGE APPLICATIONS.

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 F2736 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 F2881 AND AASHTO M330.

MANNING'S "N" VALUE FOR USE IN DESIGN SHALL BE 0.012

JOINT PERFORMANCE

PIPE SHALL BE JOINED WITH A GASKETED INTEGRAL BELL & SPIGOT JOINT MEETING THE REQUIREMENTS OF ASTM F2736 OR F2881, FOR THE RESPECTIVE DIAMETERS.

12- THROUGH 60-INCH (300 TO 1500 MM) SHALL BE WATERTIGHT ACCORDING TO THE REQUIREMENTS OF ASTM D3212. SPIGOTS SHALL HAVE GASKETS MEETING THE REQUIREMENTS OF ASTM F477. GASKET SHALL BE INSTALLED BY THE PIPE MANUFACTURER AND COVERED WITH A REMOVABLE, PROTECTIVE WRAP TO ENSURE THE GASKET IS FREE FROM DEBRIS. A JOINT LUBRICANT AVAILABLE FROM THE MANUFACTURER SHALL BE USED ON THE GASKET AND BELL DURING ASSEMBLY.

12- THROUGH 60-INCH (300 TO 1500 MM) DIAMETERS SHALL HAVE A REINFORCED BELL WITH A POLYMER COMPOSITE BAND INSTALLED BY THE MANUFACTURER.

FITTINGS

FITTINGS SHALL CONFORM TO ASTM F2736, ASTM F2881 AND AASHTO M330, FOR THE RESPECTIVE DIAMETERS. BELL & SPIGOT CONNECTIONS SHALL UTILIZE A SPUN-ON, WELDED OR INTEGRAL BELL AND SPIGOT WITH GASKETS MEETING ASTM F477. BELL & SPIGOT FITTINGS JOINT SHALL MEET THE WATERTIGHT JOINT PERFORMANCE REQUIREMENTS OF ASTM D3212.

CORRUGATED COUPLINGS SHALL BE SPLIT COLLAR, ENGAGING AT LEAST 2 FULL CORRUGATIONS.

FIELD PIPE AND JOINT PERFORMANCE

TO ASSURE WATERTIGHTNESS, FIELD PERFORMANCE VERIFICATION MAY BE ACCOMPLISHED BY TESTING IN ACCORDANCE WITH ASTM F1417 OR ASTM F2487. APPROPRIATE SAFETY PRECAUTIONS MUST BE USED WHEN FIELD-TESTING ANY PIPE MATERIAL. CONTACT THE MANUFACTURER FOR RECOMMENDED LEAKAGE RATES.

MATERIAL PROPERTIES

POLYPROPYLENE COMPOUND FOR PIPE AND FITTING PRODUCTION SHALL BE IMPACT MODIFIED COPOLYMER MEETING THE MATERIAL REQUIREMENTS OF ASTM F2736, SECTION 4, ASTM F2881, SECTION 5 AND AASHTO M330, SECTION 6.1, FOR THE RESPECTIVE DIAMETERS.

14. INSTALLATION:

INSTALLATION SHALL BE IN ACCORDANCE WITH ASTM D2321 AND ADS RECOMMENDED INSTALLATION GUIDELINES, WITH THE EXCEPTION THAT MINIMUM COVER IN TRAFFIC AREAS FOR 12- (300 TO 3200 MM) DIAMETERS SHALL BE ONE FOOT. (0.3 M) AND FOR 36- (900 TO 1500 MM) DIAMETERS, THE MINIMUM COVER SHALL BE 2 FT. (0.6 M) IN SINGLE RUN APPLICATIONS. BACKFILL FOR MINIMUM COVER SITUATIONS SHALL CONSIST OF CLASS 1, CLASS 2 (MINIMUM 90% SPD) OR CLASS 3 (MINIMUM 95%) MATERIAL. MAXIMUM FILL HEIGHTS DEPEND ON EMBEDMENT MATERIAL AND COMPACTION LEVEL. PLEASE REFER TO ADS TECHNICAL INFORMATION. CONTRACTOR TO CONTACT ADS FOR A COPY OF THE LATEST INSTALLATION GUIDELINES.

MASTER UTILITY PLAN CONDITIONS FOR GRAVITY DEPTH VARIANCE

THE FOLLOWING REQUIREMENTS SHALL BE SPECIFIED ON THE CONSTRUCTION PLANS FOR THE PROPOSED PORTION OF GRAVITY SEWER PIPES AND MANHOLES DEEPER THAN 15 FEET:

1. ENTIRE MANHOLE, INCLUDING BASE, BENCHES, WALLS, CONE, AND CHIMNEY, ARE 2MM HDPE LINED
2. MANHOLE WALL THICKNESS FOR 4-FOOT DIAMETER AND FOR 6-FOOT DIAMETER SHALL MEET ASTM 478 REQUIREMENTS FOR DIAMETER,
3. PVC PIPE AND FITTINGS UPGRADED FROM SDR35 TO SDR26 FOR ALL GRAVITY PIPE OVER 15 FT DEEP AND INSTALLED WITH DIPS NOT EXCEEDING 0.75 INCHES
4. THICKNESS OF STONE UNDER THE BASE TO BE INCREASED TO 12-INCH OF 57 STONE WRAPPED IN GEOGRID FOR MANHOLES DEEPER THAN 15 FT.
5. MANHOLES DEEPER THAN 18 FT WILL NOT BE PERMITTED.

SANITARY SEWER ALLEYWAY NOTES

1. GRAVITY MAINS MUST BE PLACED WITHIN THREE FEET OF CENTER OF ALLEY.
2. GRAVITY SERVICE CLEANOUTS WILL BE LOCATED APPROXIMATELY TWO FEET FROM THE EDGE OF PAVEMENT, AND SHALL BE TRAFFIC BEARING. INDIVIDUAL LOT OWNERS WILL OWN AND MAINTAIN THEIR WASTEWATER SERVICE FROM THE CLEANOUT TO THE HOME. ALL OTHER SYSTEM COMPONENTS WILL BR OWNED AND MAINTAINED BY OCCU.
3. ALL GRAVITY MAINS SHALL BE 8-INCH DIAMETER AND UPGRADED TO SDR-26 PVC PIPE.

GRAVITY MAINS SHALL HAVE A MAXIMUM OF FIVE FEET OF COVER, UNLESS A 60-FOOT UTILITY EASEMENT CAN BE PROVIDED OVER THE ALLEYWAY.

EMERGENCY WASTEWATER SPILL AND LAND MAIN BREAK PROCEDURES:

1. EXCAVATING CAUTIOUSLY:
 - 1.1. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN EXCAVATING IN THE PROXIMITY OF WASTEWATER FORCE MAINS AND GRAVITY SEWERS FORCE MAIN AND SEWER LOCATIONS SHOWN ON PLANS ARE NOT EXACT OR GUARANTEED. CONTRACTOR IS RESPONSIBLE FOR FILED VERIFYING EXISTING UTILITY LOCATIONS.
2. TELEPHONE NOTIFICATION:
 - 2.1. THE CITY OF APOPKA DISPATCH OPERATOR SHALL BE NOTIFIED IMMEDIATELY IN THE EVENT OF A FORCE MAIN, GRAVITY SEWER OR WATER MAIN BREAK OR DAMAGE AT (407) 703-1731. THE CITY DISPATCH CAN BE REACHED AT (407) 703-1757.
3. REPAIR IMMEDIATELY A DAMAGE TO CITY OF APOPKA MAINS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. IF THE

REPAIR IS NOT MADE IN A TIMELY MANNER, AS DETERMINED BY THE CITY OF APOPKA UTILITIES INSPECTOR, CITY OF APOPKA MAY PERFORM REPAIRS AND THE CONTRACTOR WILL BE CHARGED FOR REPAIRS.

4. CITY OF APOPKA UTILITIES DEPARTMENT GENERAL TELEPHONE NUMBERS:

- CITY OF APOPKA UTILITIES CONSTRUCTION INSPECTION SECTION - (407) 703-1738
- CITY OF APOPKA UTILITIES WASTEWATER DIVISION - (407) 703-1731
- CITY OF APOPKA UTILITIES WATER DIVISION - (407) 703-1731
- CITY OF APOPKA UTILITIES ENGINEERING DIVISION - (407) 703-1718

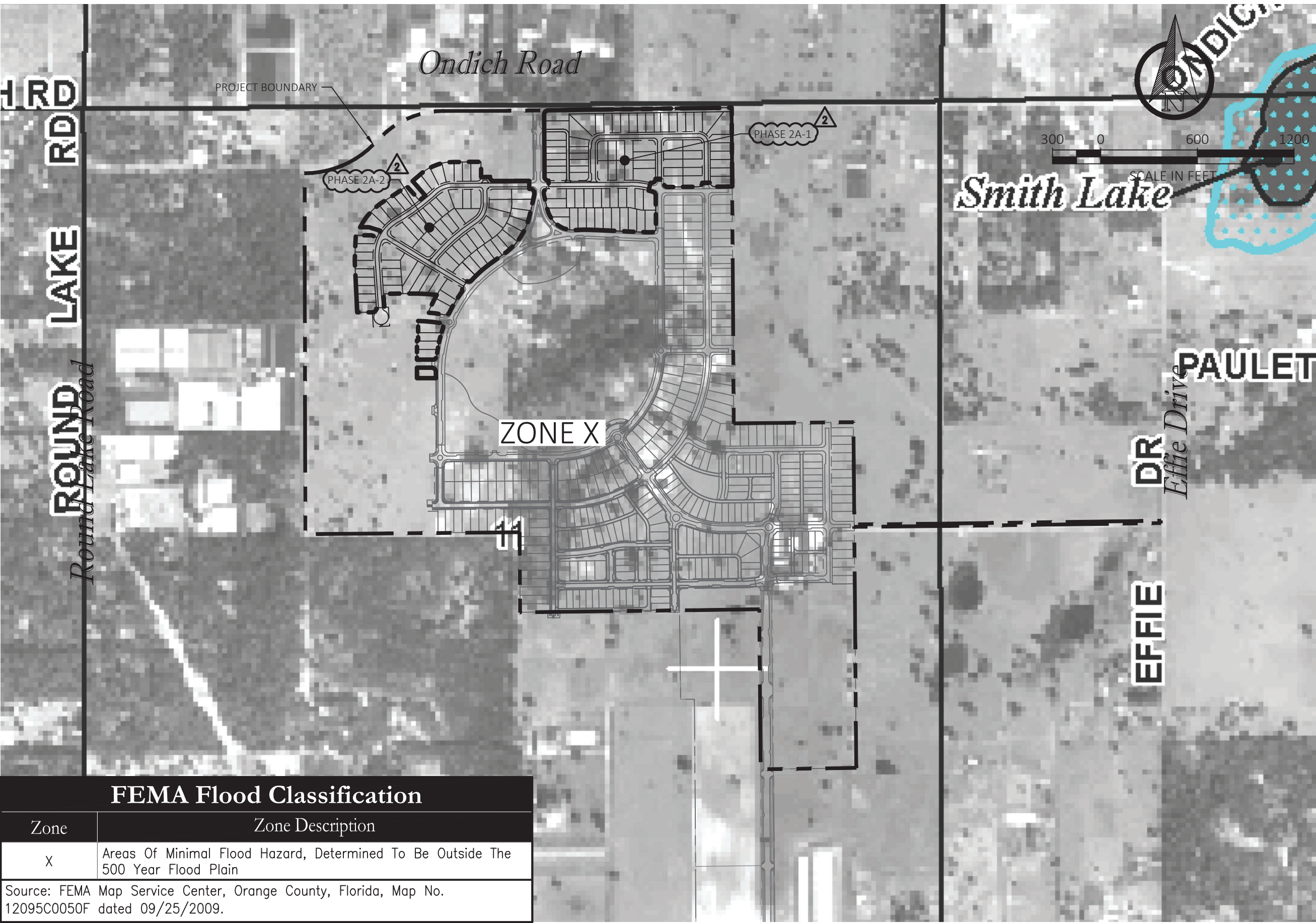
5. ADVANCE NOTIFICATION OF CONSTRUCTION THE CITY OF APOPKA UTILITIES CONSTRUCTION SECTION (407) 703-1731 SHALL BE NOTIFIED AT LEAST SEVEN (7) DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY.
6. ADVANCE NOTIFICATION OF PENDING CONNECTION THE CITY OF APOPKA WATER DIVISION (407) 703-1731 AND CITY OF APOPKA WATER DIVISION (407) 703-1731 SHALL BE NOTIFIED AT LEAST (7) DAYS IN ADVANCE TO SCHEDULE MAIN TIE-INS AND VALVE OPERATIONS
7. OPERATIONS OF CITY OF APOPKA VALVES WATER, WASTEWATER, AND REUSE VALVES ARE TO OPERATED ONLY BY THE CITY OF APOPKA UTILITIES INSPECTOR (407) 703-1731. ALL VALVES BEING INSTALLED ARE TO REMAIN CLOSED DURING CONSTRUCTION.
8. OPERATION OF CITY OF APOPKA PUMP STATION THE CONTRACTOR SHALL COORDINATE ALL PUP OPERATION AND SHUT DOWN CONTROL WITH AN CITY OF APOPKA NULITIES INSPECTOR (407) 703-1731.

CONTINUATION OF LEGAL DESCRIPTION FROM SHEET C0.00

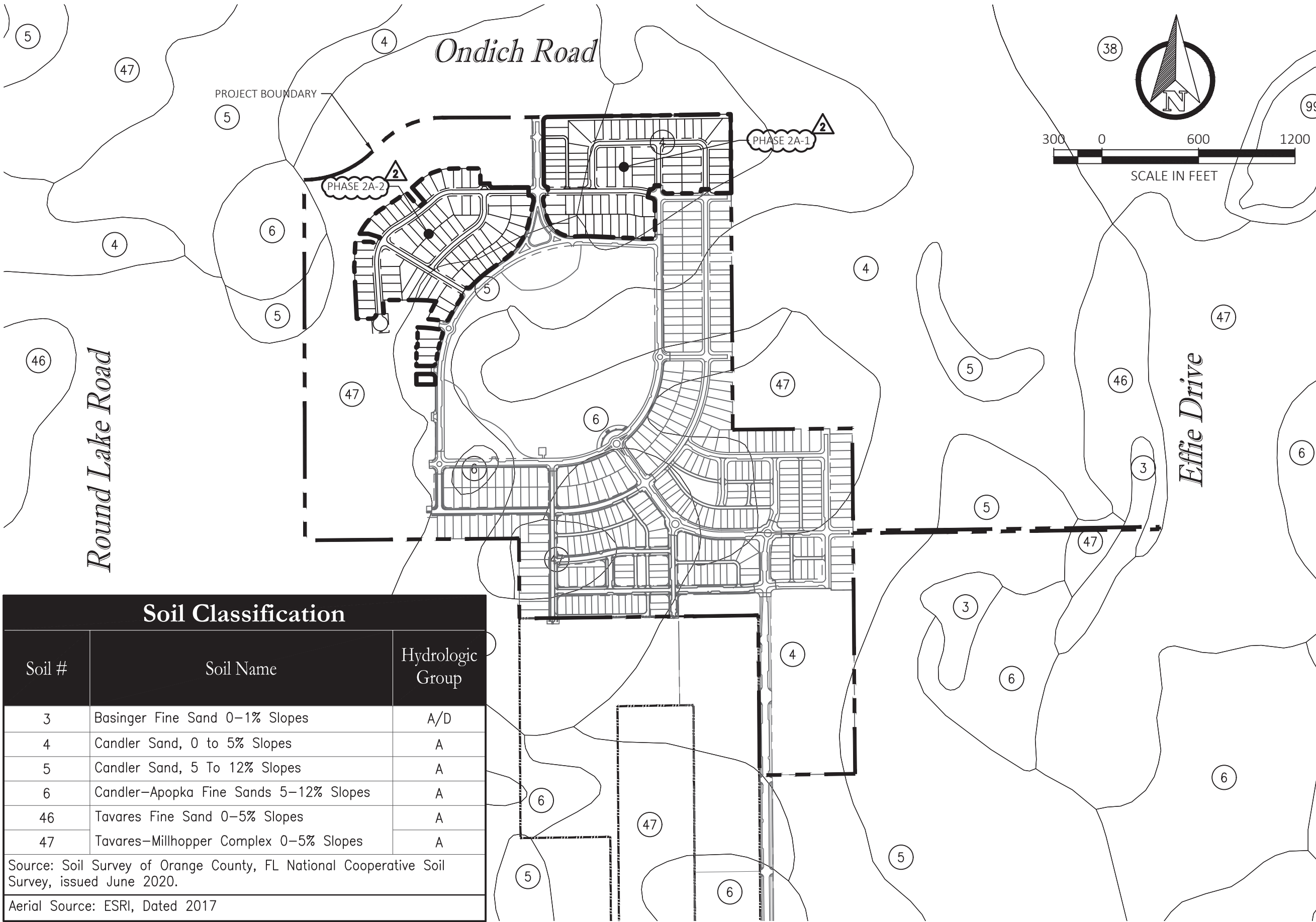
LEGAL DESCRIPTION (PHASE 2A-2) TRACT-FD-2A-3)

A PROPOSED TRACT OF LAND, BEING TRACT FD-2A-3, AS SHOWN ON, "CROSSING AT KELLY PARK PHASE 51-2, 1-3 AND 2", A PROPOSED PLAT OF LANDS LOCATED IN SECTION 11, TOWNSHIP 20 SOUTH, RANGE 27 EAST, IN THE CITY OF APOPKA, ORANGE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

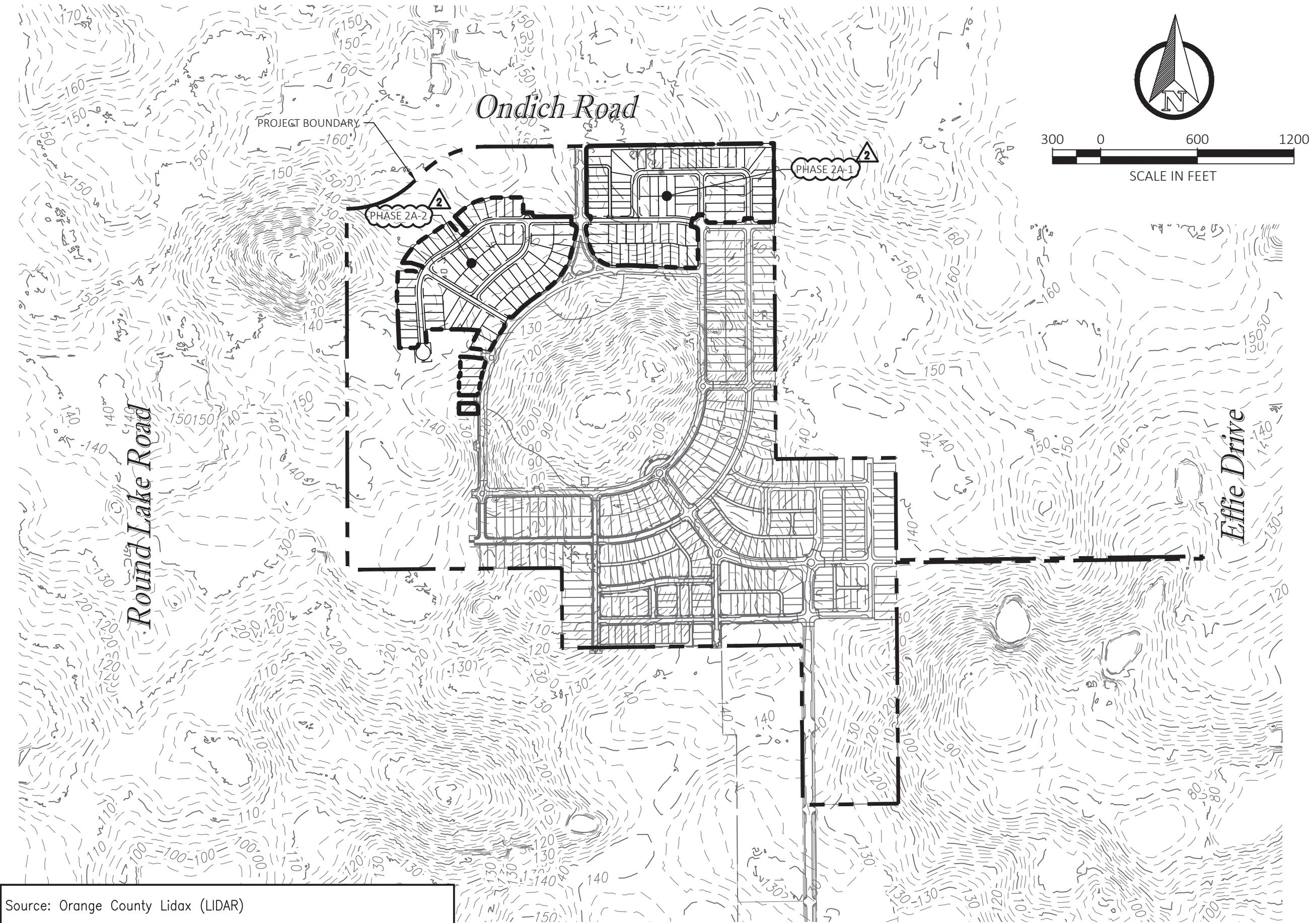
COMMENCE AT THE NORTH QUARTER CORNER OF SAID SECTION 11 FOR A POINT OF REFERENCE, THENCE RUN SOUTH 00°17'05" EAST, ALONG THE WEST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 11, A DISTANCE OF 30.00 FEET TO THE SOUTHERLY RIGHT-OF-WAY LINE OF ONDICH ROAD; THENCE DEPARTING SAID WEST LINE, RUN NORTH 89°08'52" EAST, ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE, 69.29 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE SOUTHWESTERLY; THENCE RUN SOUTHEASTERLY, ALONG SAID CURVE, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 90°28'34", AN ARC LENGTH OF 39.48 FEET, A CHORD LENGTH OF 35.50 FEET AND A CHORD BEARING OF SOUTH 45°36'51" EAST, TO A POINT OF TANGENCY; THENCE DEPARTING SAID SOUTH RIGHT-OF-WAY LINE, SOUTH 00°22'34" EAST, 385.68 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE NORTHWESTERLY; THENCE RUN SOUTHWESTERLY, ALONG SAID CURVE, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 90°28'34", AN ARC LENGTH OF 39.48 FEET, A CHORD LENGTH OF 35.50 FEET AND A CHORD BEARING OF SOUTH 45°36'51" EAST, TO A POINT OF TANGENCY; THENCE DEPARTING SAID SOUTH RIGHT-OF-WAY LINE, SOUTH 00°22'34" EAST, 385.68 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE NORTHWESTERLY; THENCE RUN SOUTHWESTERLY, ALONG SAID CURVE, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 90°28'34", AN ARC LENGTH OF 39.48 FEET, A CHORD LENGTH OF 35.50 FEET AND A CHORD BEARING OF SOUTH 45°36'51" EAST, TO A POINT OF TANGENCY; THENCE DEPARTING SAID SOUTH RIGHT-OF-WAY LINE, SOUTH 00°22'34" EAST, 385.68 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE NORTHWESTERLY; THENCE RUN SOUTHWESTERLY, ALONG SAID CURVE, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 90°28'34", AN ARC LENGTH OF 39.48 FEET, A CHORD LENGTH OF 35.50 FEET AND A CHORD BEARING OF SOUTH 45°36'51" EAST, TO A POINT OF TANGENCY; THENCE DEPARTING SAID SOUTH RIGHT-OF-WAY LINE, SOUTH 00°22'34" EAST, 385.68 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE NORTHWESTERLY; THENCE RUN SOUTHWESTERLY, ALONG SAID CURVE, HAVING A RADIUS OF 25.00 FEET, A CENTRAL ANGLE OF 90°28'34", AN ARC LENGTH OF 39.48 FEET, A CHORD LENGTH OF 35.50 FEET AND A CHORD BEARING OF SOUTH 45°36'51" EAST, TO A POINT OF TANGENCY; THENCE DEPARTING SAID SOUTH RIGHT-OF-WAY LINE, SOUTH 00°22'34" EAST, 385.68 FEET TO THE



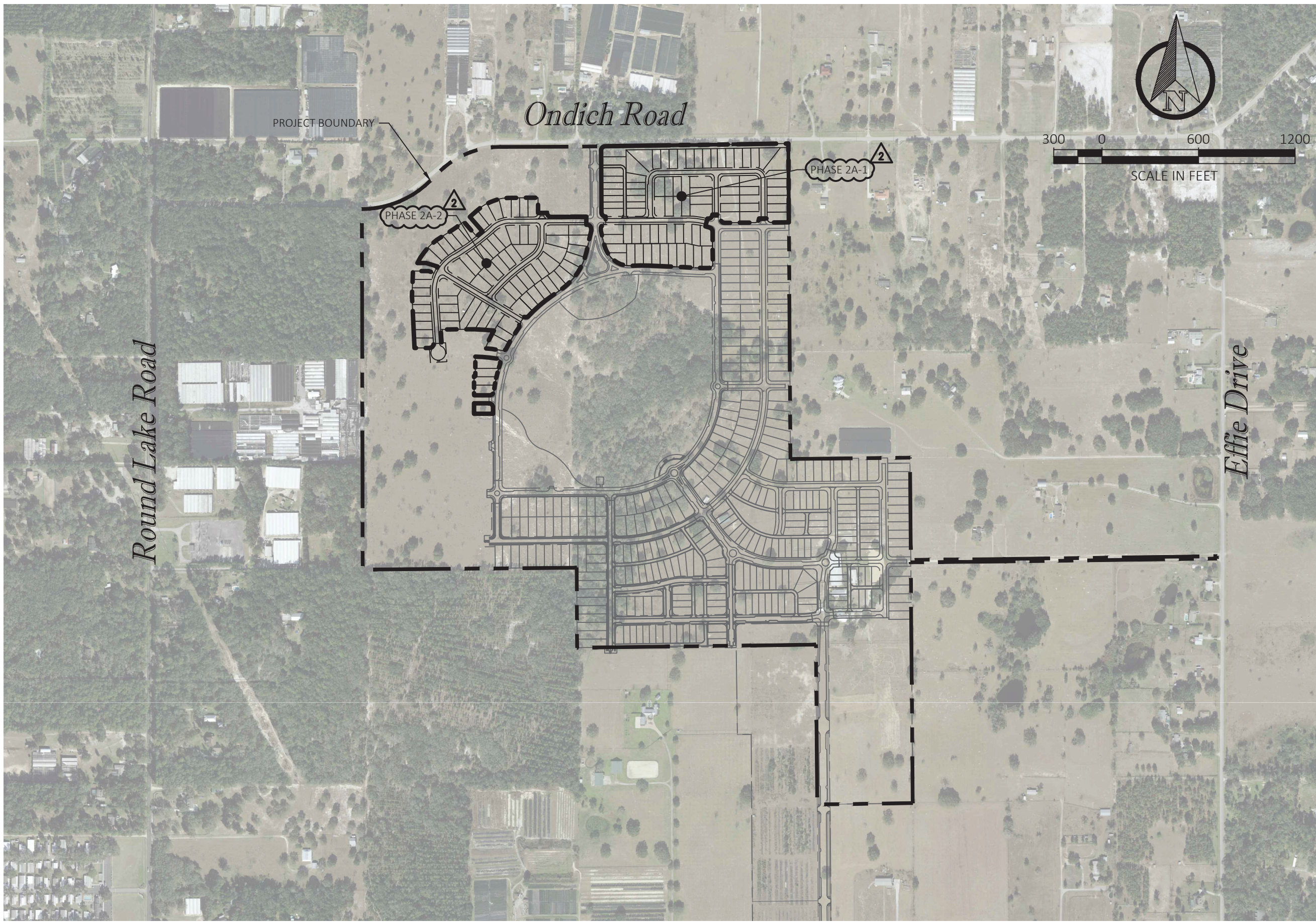
FEMA MAP



SOILS MAP



TOPOGRAPHY



AERIAL

Key Map:

2	03/05/2025	RESUBMIT TO CITY OF APOPKA
1	01/05/2024	RESUBMIT TO CITY OF APOPKA
	10/23/2023	SUBMIT TO CITY OF APOPKA
NO.	DATE	DESCRIPTIONS
SUBMISSIONS/REVISIONS		
VERTICAL DATUM:		NAVD 88
JOB NO.:		21-175
DESIGNED BY:		KML
DRAWN BY:		KML
CHECKED BY:		MDS
APPROVED BY:		MDS
SCALE IN FEET:		1" = 600'
Project Name:		

**CROSSROADS AT
KELLY PARK -
PHASES 2A-1 & 2A-2**

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
**EXISTING
CONDITIONS PLAN**

Sheet No.:
C0.03

Seal:

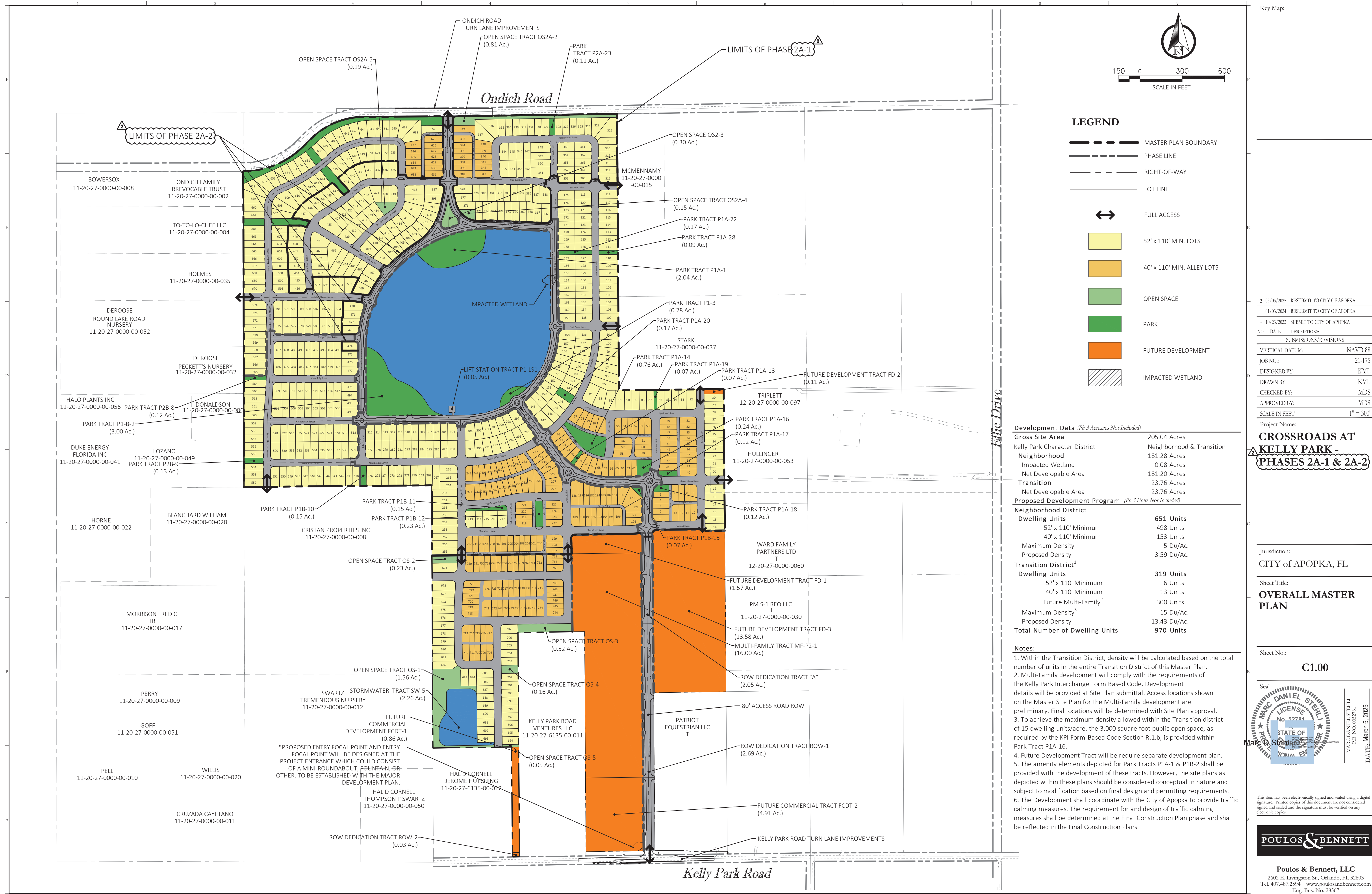
Marc Daniel Stehli
Professional Engineer
DATE: March 5, 2025

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.

POULOS & BENNETT

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

Z:\2021\21-027 GALVIN - KELLY PARK PARCELS\00 FINAL\00 CITY\PHASE 1-2A\21-027-PHASE 1-2A-DMSF



Development Data (Ph 3 Acreages Not Included)	
Gross Site Area	205.04 Acres
Kelly Park Character District	Neighborhood & Transition
Neighborhood	181.28 Acres
Impacted Wetland	0.08 Acres
Net Developable Area	181.20 Acres
Transition	23.76 Acres
Net Developable Area	23.76 Acres
Proposed Development Program (Ph 3 Units Not Included)	
Neighborhood District	
Dwelling Units	651 Units
52' x 110' Minimum	498 Units
40' x 110' Minimum	153 Units
Maximum Density	5 Du/Ac.
Proposed Density	3.59 Du/Ac.
Transition District ¹	
Dwelling Units	319 Units
52' x 110' Minimum	6 Units
40' x 110' Minimum	13 Units
Future Multi-Family ²	300 Units
Maximum Density ³	15 Du/Ac.
Proposed Density	13.43 Du/Ac.
Total Number of Dwelling Units	970 Units

- Notes:**
1. Within the Transition District, density will be calculated based on the total number of units in the entire Transition District of this Master Plan.
 2. Multi-Family development will comply with the requirements of the Kelly Park Interchange Form Based Code. Development details will be provided at Site Plan submittal. Access locations shown on the Master Site Plan for the Multi-Family development are preliminary. Final locations will be determined with Site Plan approval.
 3. To achieve the maximum density allowed within the Transition district of 15 dwelling units/acre, the 3,000 square foot public open space, as required by the KPI Form-Based Code Section R.1.b, is provided within Park Tract P1A-16.
 4. Future Development Tract will be require separate development plan.
 5. The amenity elements depicted for Park Tracts P1A-1 & P1B-2 shall be provided with the development of these tracts. However, the site plans as depicted within these plans should be considered conceptual in nature and subject to modification based on final design and permitting requirements.
 6. The Development shall coordinate with the City of Apopka to provide traffic calming measures. The requirement for and design of traffic calming measures shall be determined at the Final Construction Plan phase and shall be reflected in the Final Construction Plans.

Key Map:

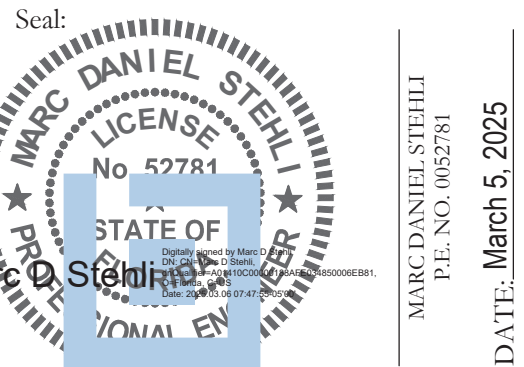
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APPROVED BY:		MDS
SCALE IN FEET:		1" = 300'

CROSSROADS AT KELLY PARK - PHASES 2A-1 & 2A-2

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
**OVERALL MASTER
PLAN**

Sheet No.:
C1.00



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POULOS & BENNETT

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Eng. Bus. No. 28567

Z:\2021\21-027 GALWIN - KELLY PARK PARCELS\CAD\FINAL\CITY\PHASE 1-2A\21-027-PHASE 1-2A-30T

OWNERSHIP / MAINTENANCE		
ROADWAYS	PUBLIC	TO BE OWNED AND MAINTAINED BY CITY OF APOPKA
ALLEYS	PRIVATE	TO BE OWNED AND MAINTAINED BY THE CDD OR HOA
DRAINAGE TRACTS	PRIVATE	TO BE OWNED AND MAINTAINED BY THE CDD OR HOA WITH EASEMENT TO CITY OF APOPKA
DRAINAGE EASEMENTS (D.E.)	PUBLIC	TO BE DEDICATED TO CDD OR HOA . DRAINAGE FACILITIES WITHIN THE EASEMENTS ARE TO BE OWNED AND MAINTAINED BY CITY OF APOPKA.
PRIVATE DRAINAGE EASEMENTS (P.D.E.)	PRIVATE	TO BE DEDICATED TO THE CDD OR HOA. DRAINAGE FACILITIES WITHIN THE EASEMENTS ARE TO BE OWNED AND MAINTAINED BY THE CDD OR HOA.
UTILITY EASEMENTS	PUBLIC	TO BE DEDICATED TO CITY OF APOPKA. UTILITIES WITHIN THE EASEMENTS ARE TO BE OWNED AND MAINTAINED BY APOPKA UTILITIES.
WATER, RECLAIMED WATER AND SANITARY SEWER UTILITIES	PUBLIC	TO BE OWNED AND MAINTAINED BY CITY OF APOPKA UP TO METERS/CLEAN-OUTS
LIFT STATION TRACTS	PUBLIC	TO BE OWNED AND MAINTAINED BY CITY OF APOPKA
PARK/OPEN SPACE TRACTS	PRIVATE	TO BE OWNED AND MAINTAINED BY THE CDD OR HOA
SIDEWALKS IN PUBLIC RIGHT OF WAY	PUBLIC	TO BE OWNED AND MAINTAINED BY CITY OF APOPKA
STORMWATER & STREET LIGHTING	PUBLIC	AN MSBU WILL BE ESTABLISHED FOR ROUTINE MAINTENANCE OF STORMWATER SYSTEM FUNCTIONALITY AND STANDARD OPERATION MAINTENANCE OF STREET LIGHTING
SIDEWALK EASEMENTS	PUBLIC	TO BE OWNED AND MAINTAINED BY CITY OF APOPKA
STREET TREES IN PUBLIC ROW	PRIVATE	TO BE OWNED AND MAINTAINED BY THE HOA
PARKING SPACE STRIPING IN PUBLIC ROW	PRIVATE	TO BE OWNED AND MAINTAINED BY THE HOA

MISCELLANEOUS		
POTABLE WATER SERVICE	CITY OF APOPKA	
RECLAIMED WATER SERVICE	CITY OF APOPKA	
WASTEWATER SERVICE	CITY OF APOPKA	
ELECTRIC SERVICE	DUKE ENERGY	
FIRE PROTECTION	CITY OF APOPKA	

ALLEY TRACTS		
PHASE-1A	A1A-6	0.21
	A1A-7	0.19
	A1A-8	0.53
	A1A-9	0.14
PHASE-1A ALLEY TRACT		1.07
PHASE-1B	A1B-1	0.32
	A1B-2	0.08
	A1B-3	0.08
	A1B-4	0.39
	A1B-5	0.23
PHASE-1B ALLEY TRACT		1.10
PHASE-2A-1		0.20
PHASE-2A ALLEY TRACT		0.20
PHASE-3B		0.20
PHASE-3B ALLEY TRACT		0.20
TOTAL:		2.58

DRAINAGE TRACTS		
PHASE 1	SW1-1	28.91
PHASE-1 SUBTOTAL:		28.91
TOTAL:		28.91

OPEN SPACE TRACTS		
PHASE	TRACT ID	ACREAGE
PHASE-2	OS2-3	0.30
PHASE-2 SUBTOTAL:		0.30
PHASE-2A-1	OS2A-2	0.81
	OS2A-4	0.15
PHASE-2A-2	OS2A-5	0.19
	PHASE-2A SUBTOTAL:	1.15
PHASE-3B	OS3B-1	1.36
PHASE-3B SUBTOTAL:		1.36
TOTAL:		2.81

DEVELOPMENT STANDARDS		
	Character District	
	Neighborhood	Transition
Living Area		
Min. Living Area	1,200 sf	1,200 sf
Building and Floor Height		
Min. Building Height	NA	NA
Max. Building Height	Principal Building - 2 Stories	Principal Building - 3 Stories*
Min. Additional Floor Height	Accessory Building - 1 Story	Accessory Building - NA
Building Setbacks		
Min. Front/Street Side	15 ft	10 ft
Max. Front/Street Side	30 ft	20 ft
Min. Side	Single-Family Detached (Rear Load) - 5 ft Single-Family Detached (Front Load) - 5 ft	Single-Family Detached (Rear Load) - 5 ft Single-Family Detached (Front Load) - 5 ft
Max. Side	NA	50% Frontage Arterial & Primary Street
Min. Building Separation	Single-Family Detached (Rear Load) - 10 ft Single-Family Detached (Front Load) - 10 ft	Single-Family Detached (Rear Load) - 10 ft Single-Family Detached (Front Load) - 10 ft
Min. Rear (Alley)	5 ft	5 ft
Min. Rear (No Alley)	20 ft	20 ft
Density		
Min. Density	1 du/ac	5 du/ac
Max. Density	5 du/ac	10 (15 with bonus) du/ac
Open Space		
Min. Open Space	20%	15%

*One (1) additional floor above the permitted base height may be permitted for every 1,500 square feet of public open space provided per KPI Form-Based Code Section R.1.b.

LIFT STATION TRACTS		
PHASE 1	LS1-1	0.06
PHASE-1 SUBTOTAL:		0.06
PARK TRACTS		
PHASE-1	P1-3	0.30
PHASE-1 SUBTOTAL:		0.30
PHASE-1A	P1A-1	2.04
	P1A-14	0.76
	P1A-16	0.23
	P1A-17	0.12
	P1A-18	0.12
	P1A-19	0.07
	P1A-20	0.13
	P1A-22	0.17
	P1A-28	0.09
	P1A-13	0.07
PHASE-1A SUBTOTAL:		3.79
PHASE-1B	P1B-10	0.15
	P1B-11	0.22
	P1B-12	0.23
	P1B-15	0.07
	P1B-2	3.00
PHASE-1B SUBTOTAL:		3.67
PHASE-2A-1	P2A-23	0.11
	PHASE-2A SUBTOTAL:	0.11
PHASE-2B	P2B-8	0.12
	P2B-9	0.13
PHASE-2B SUBTOTAL:		0.24
PHASE-3B	P3B-4	0.30
	P3B-5	0.15
	P3B-6	0.29
	P3B-7	0.17
PHASE-3B SUBTOTAL:		0.91
TOTAL:		9.03

Modifications

- A Modification from the City of Apopka Mixed Use Kelly Park Interchange Form-Based Code Section G - District Size and Block Standards to allow for a block length of greater than 500 feet in the Neighborhood District. Based on the topographic constraints of the property, a curvilinear roadway network forms the basis of the project design, which limits the opportunity for a traditional grid block pattern. Pocket parks were added to the longer blocks to break up the streetscape.
- A Modification from the City of Apopka Mixed Use Kelly Park Interchange Form-Based Code Section I - Building and Floor Height to allow for a first floor height minimum of 8' in lieu of 12' in the Transition District.
- A Modification from the City of Apopka Land Development Code Appendix D – Development Design Guidelines Section 3.6 – Residential Landscaping to exempt lots less than 52' in width from the requirement to plant three (3) trees per lot. The tree planting requirement for lots less than 52' in width will be determined with approval of the landscape plan submitted with the Major Development Plan.
- A Modification from the City of Apopka Mixed Use Kelly Park Interchange Form-Based Code Section D - Applicability and Process to expand the Neighborhood District boundary by 12.20 acres, which equates to 2,300 linear feet.
- A Modification from the City of Apopka Mixed Use Kelly Park Interchange Form-Based Code Section R - Developments utilizing the bonus system or receiving the transfer of development rights shall not have any multi-family buildings located within 100 feet from a neighborhood character zone or single-family residentially-zoned property. Single-family buildings shall meet the setbacks specified in their respective character zone. The code only states "buildings" and does not distinguish the type of building. This modification differentiates between multi-family versus single-family buildings, and clarifies that the multi-family buildings will have a greater setback to residentially zoned properties. This will allow for consistency of setbacks throughout the Master Plan for the single-family buildings and still requires that the multi-family buildings provide a 100 foot buffer from single-family zoned properties that are located outside of the Master Plan boundary.

PHASING

- THE OVERALL KELLY PARK PROPERTY WILL BE CONSTRUCTED IN MULTIPLE PHASES. DEVELOPMENT MAY NOT BE SEQUENTIAL. THE NEEDED INFRASTRUCTURE SHALL BE INCLUDED SUCH THAT EACH PHASE MAY STAND ALONE.

SIGNAGE

- ONSITE SIGNAGE WILL BE IN ACCORDANCE WITH THE MIXED USE KELLY PARK INTERCHANGE FORM-BASED CODE.

LANDSCAPE

- LANDSCAPE MATERIALS WILL BE CHOSEN FROM THE FLORIDA FRIENDLY PLANT DATABASE (CENTRAL FLORIDA REGION).
- A TWENTY-FIVE (25) FOOT BUFFER IS PROVIDED ADJACENT TO ONDICH ROAD. IN ACCORDANCE WITH THE CITY OF APOPKA LAND DEVELOPMENT CODE SEC. 5.2.5 - LANDSCAPING AND BUFFER STANDARDS, BUFFER TYPE C WILL BE PROVIDED BETWEEN THE FUTURE MULTI-FAMILY PARCEL AND EXISTING SINGLE-FAMILY DETACHED DWELLING ABUTTING LAND. NO OTHER PERIMETER BUFFERS ARE REQUIRED.

GARBAGE PICKUP

- FRONT LOADED SINGLE FAMILY UNITS TO BE PICKED UP AT FRONT RIGHT OF WAY. REAR LOADED UNITS TO BE PICKED UP AT REAR ALLEY.

PARKING REQUIREMENTS

- OFF-STREET PARKING WILL BE PROVIDED IN ACCORDANCE WITH THE MIXED USE KELLY PARK INTERCHANGE FORM-BASED CODE.

STREET LIGHTING

LIGHTING PHOTOMETRIC PLAN WILL BE PROVIDED AT THE TIME OF CONSTRUCTION PLAN SUBMITTAL. LIGHTING REQUIREMENTS SHALL MEET ALL APPLICABLE CITY OF APOPKA AND ELECTRIC PROVIDERS REGULATIONS AT THE TIME OF ANY CONSTRUCTION PLAN SUBMITTAL AND ANY SUBSEQUENT APPROVALS

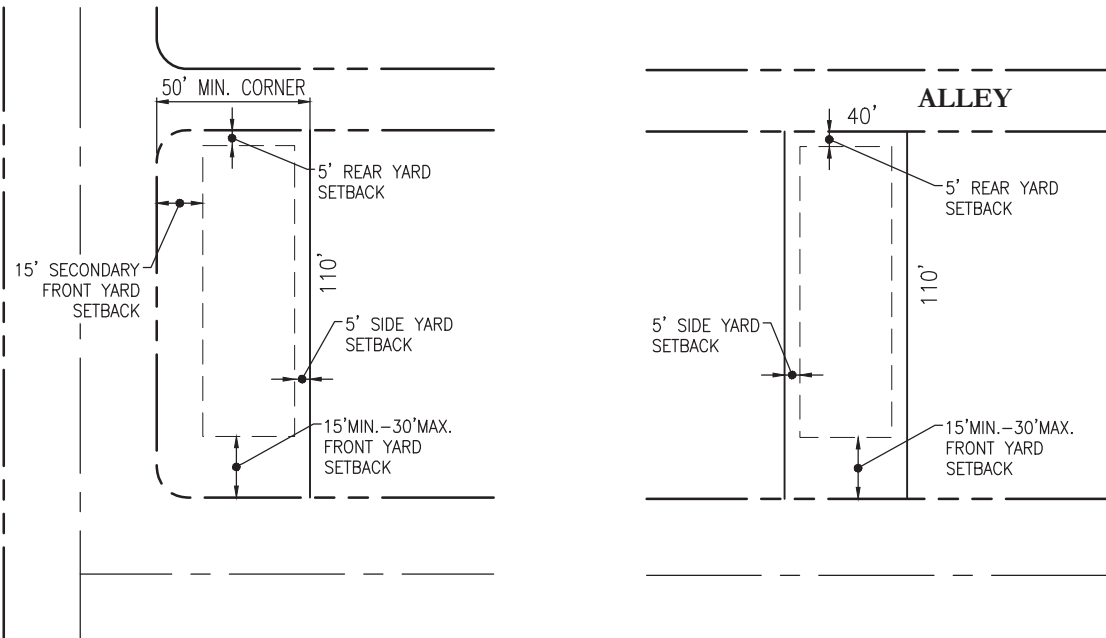
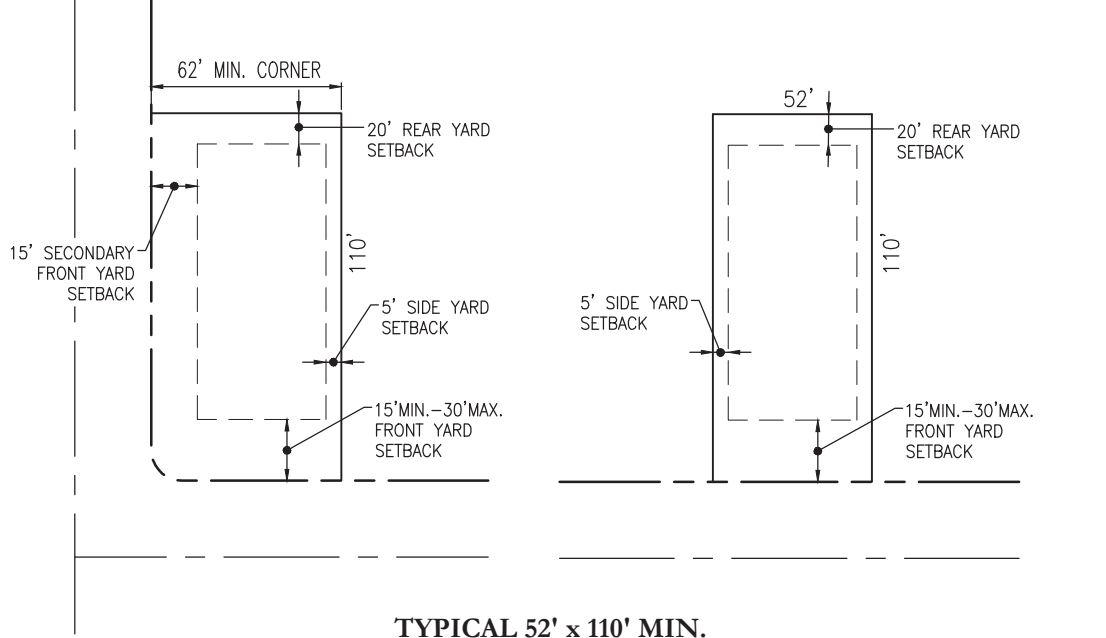
SUSTAINABILITY		
Per LDC section 5.11.4.A.1.B, residential developments of 30 or more dwelling units shall obtain a minimum of 4 points from the green building point system, Table 5.11.4.B. this development shall satisfy this requirements as follows		
GREEN BUILDING STANDARD	POINTS EARNED	NOTES
Development as a traditional neighborhood planned development (TN-PD) district	0.75	Development is proposed as a block pattern traditional neighborhood
Use central air conditioners that are energy star qualified	0.50	All HVAC's installed on site will be energy star qualified
Use vegetation or vegetated structures to shade HVAC units	0.25	2 shrubs per A/C unit will be shown on the final landscape plans
Orient a minimum of 25 percent of residential dwelling units or lots in the development within 20 percent of east-west axis for maximum passive solar exposure	1.00	270 lots (30%) are oriented east west lots
Create a soil management plan for development site that promotes stormwater infiltration through improved organic matter content, reduced compaction levels, and increased infiltration capacity	0.50	The entire site is designed to drain to an on-site retention pond that will fully recover thought infiltration
Preserve large, non-exotic trees on site (large tree defined as 20 feet or greater in height and 24 inches or greater DBH)	1.00	A minimum of Large trees are being preserved. Please see landscape plans for the tree locations.
Install operable windows to allow for natural ventilation in the event of power failures	0.25	All windows will be operable
TOTAL	4.25	

OPEN SPACE & PARK REQUIREMENT TABLE										
	PHASE-1	PHASE-1A	PHASE-1B	PHASE-2	PHASE-2A-1	PHASE-2A-2	PHASE-2B	PHASE-3B	Grand Total	
Neighborhood Acreage	67.72	28.11	25.57	1.84	14.41	13.51	14.79	19.80	185.75	
REQUIRED	13.54	5.62	5.11	0.37	2.88	2.70	2.96	3.96	37.15	
PROPOSED	29.21	3.79	3.67	0.30	1.07	0.19	0.24	2.27	40.74	
Transition Acreage	0.00	3.07	0.07	0.00	0.00	0.00	0.00	0.00	3.15	
REQUIRED	0.00	0.46	0.01	0.00	0.00	0.00	0.00	0.00	0.47	
PROPOSED	0.00	0.47	0.07	0.00	0.00	0.00	0.00	0.00	0.54	
Total Net Acreages	67.72	31.18	25.65	1.84	14.41	13.51	14.79	19.80	188.89	

- Open Space Requirements
Neighborhood District = 20%
Transition District = 15%
- Open Space and park tracts count towards open space requirements
- Open Space requirements shall be met project wide. Surplus Acreage may carry over and meet future phase requirements.

SITE DATA

Site Information	
Parcel I.D. #	11-20-27-0000-00-003 11-20-27-0000-00-013 11-20-27-0000-00-036 11-20-27-0000-00-070
Current Zoning	T - Transition
Current FLU	Mixed Use
Proposed Zoning	Kelly Park Interchange - Mixed Use
Proposed Character District	Neighborhood & Transition
Land Summary (Acres)	
Gross Land Area	205.04 Acres
Neighborhood District	181.28 Acres
Transition District	23.76 Acres
Wetlands (Proposed for Impact)	0.08 Acres
Single-Family	670 Units
Multi-Family	300 Units
Proposed Units	970 Units



TYPICAL LOTS

N.T.S.

STUDENT GENERATION TABLE

KPI District		Units	Type	Generation Rate				Total
				ES	MS	HS		
Neighborhood		651	Single Family	0.178	0.094	0.133		264
Transition		19	Single Family	0.178	0.094	0.133		8
Transition		300	Multi-Family(Non High Rise)	0.141	0.065	0.08		86
Project Total								357

SOURCE: ORANGE COUNTY PUBLIC SCHOOLS STUDENT GENERATION RATES EFFECTIVE JUNE 22, 2021.

NOTES

- LOT AREAS, EASEMENT LINES AND TRACT AREAS ON THE FINAL PLAT MAY VARY FROM THAT SHOWN DUE TO FINAL ENGINEERING DESIGN CRITERIA AND CONSTRAINTS.
- THIS COMMUNITY IS NOT PROPOSED TO BE GATED. ALL RIGHTS OF WAY SHALL BE PUBLIC.
- SINGLE-FAMILY RESIDENTIAL ARCHITECTURE SHALL MEET THE INTENT OF KELLY PARK INTERCHANGE FORM-BASED CODE DEVELOPMENT DESIGN GUIDELINES.
- PARKS SHALL HAVE ADEQUATE LIGHTING ON AUTOMATIC TIMERS WITHOUT PROJECTING A GLARE ONTO ADJACENT PROPERTIES.
- THE PROJECT IS GOVERNED BY CAPACITY ENHANCEMENT AGREEMENT # APK-10-001. ANTICIPATED STUDENT GENERATION IS FOR THE PROPOSED DEVELOPMENT PROGRAM IS PROVIDED IN THE STUDENT GENERATION TABLE BELOW. AN ORANGE COUNTY PUBLIC SCHOOLS (OCPS) FORMAL DETERMINATION OF SCHOOL CAPACITY (APPLICATION ID: CMA-APK-22-002) HAS BEEN SUBMITTED AND IS CURRENTLY UNDER REVIEW.

Key Map:

2 03/05/2025 RESUBMIT TO CITY OF APOPKA

1 01/03/2024 RESUBMIT TO CITY OF APOPKA

10/23/2023 SUBMIT TO CITY OF APOPKA

NO. DATE DESCRIPTIONS
SUBMISSIONS/REVISIONS

VERTICAL DATUM: NAVD 88

JOB NO.: 21-175

DESIGNED BY: KML

DRAWN BY: KML

CHECKED BY: MDS

APPROVED BY: MDS

SCALE IN FEET: N.T.S.

Project Name:

CROSSROADS AT KELLY PARK - PHASES 2A-1 & 2A-2

Jurisdiction:

CITY of APOPKA, FL

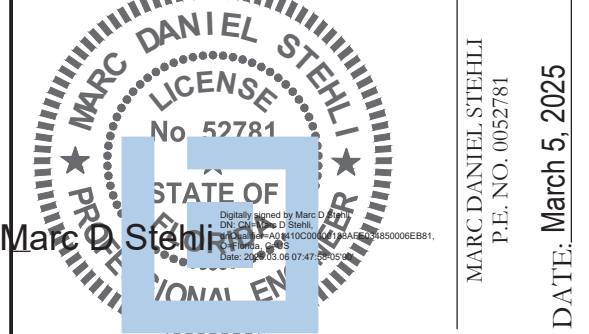
Sheet Title:

SITE DATA TABLES

Sheet No.:

C1.01

Seal:

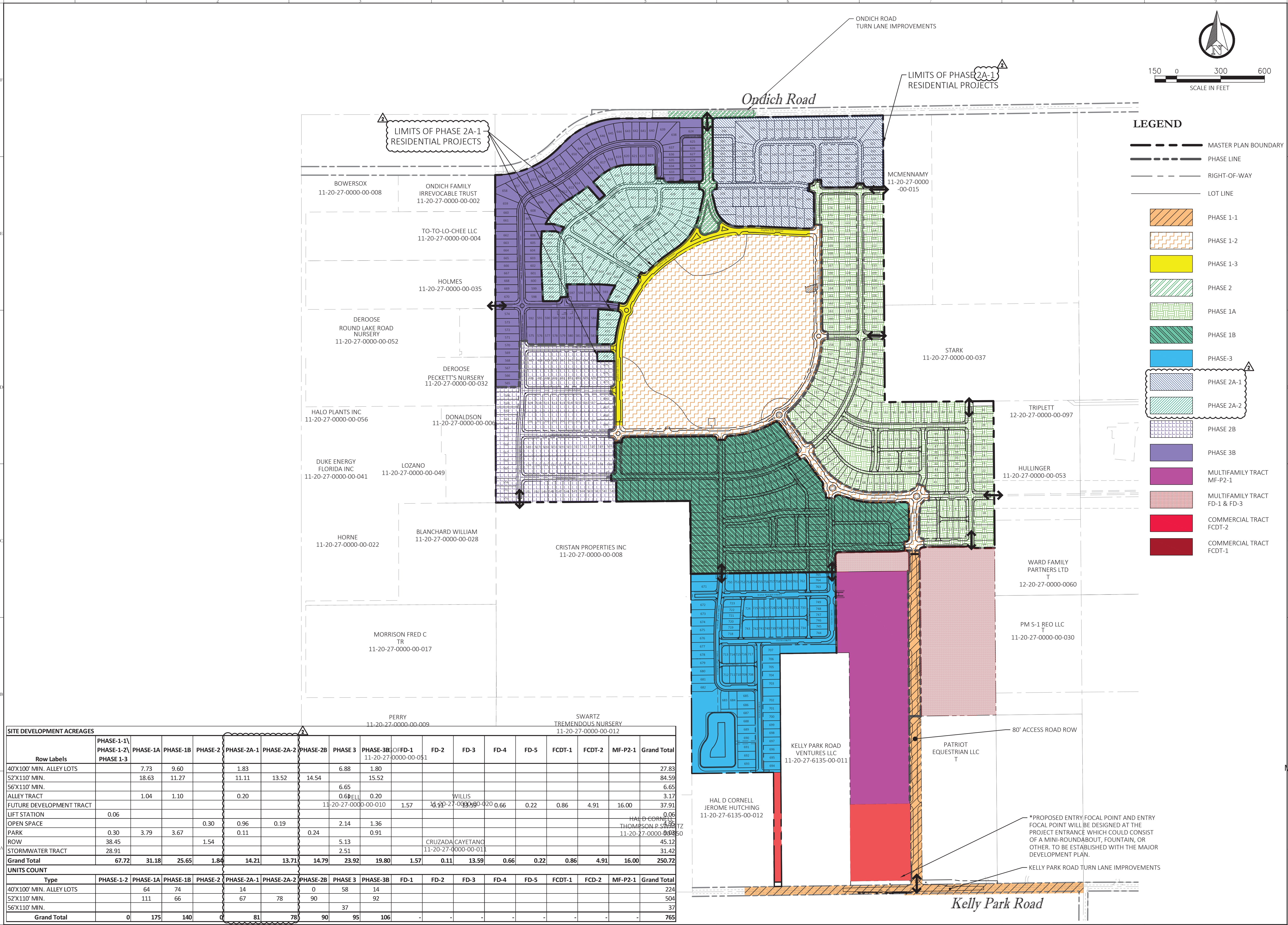


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Tel. 407.487.2594 www.poulosandbennett.com
Eng. Bus. No. 28567

Z:\2021\21-027 GALVIN - KELLY PARK PARCELS\000 FINAL CITY\PHASE 1-2A\21-027-PHASE 1-2A-OPP



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CHECKED BY: MDS

APPROVED BY: MDS

SCALE IN FEET: 1" = 300'

Project Name:

CROSSROADS AT

KELLY PARK -

PHASES 2A-1 & 2A-2

Jurisdiction:

CITY of APOPKA, FL

Sheet Title:

OVERALL PHASING

PLAN

Sheet No.:

C1.02

Seal:

MARC DANIEL STEHLI

LICENSE

No. 52781

STATE OF

FLORIDA

Professional Engineer

MARC DANIEL STEHLI

P.E. NO. 0652781

DATE: March 5, 2025

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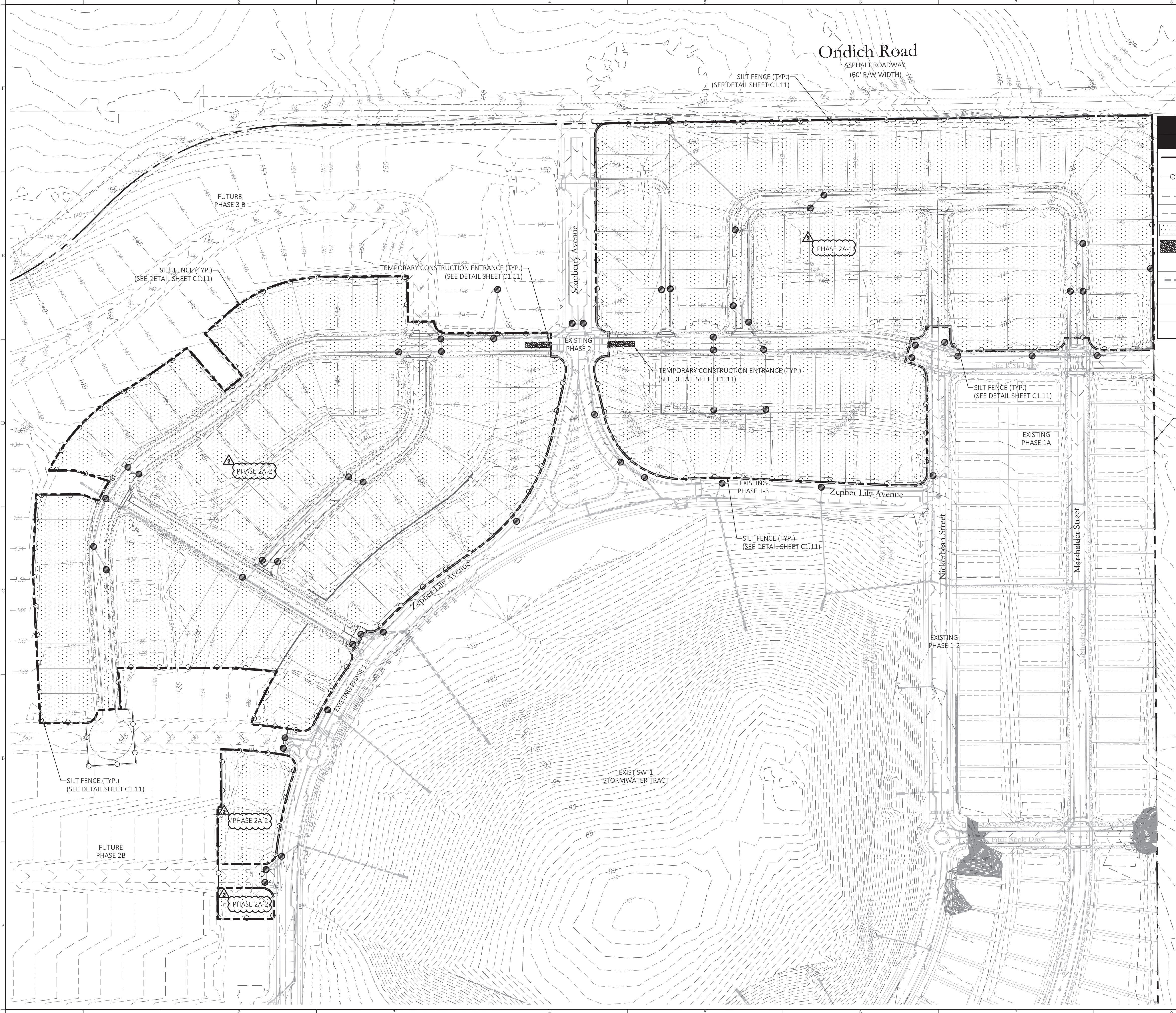
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Z:\2021\21-027 GALVIN - KELLY PARK PARCELS\CD\FINAL\CITY\PHASE 1-2A\21-027-PHASE 1-2A-EPD

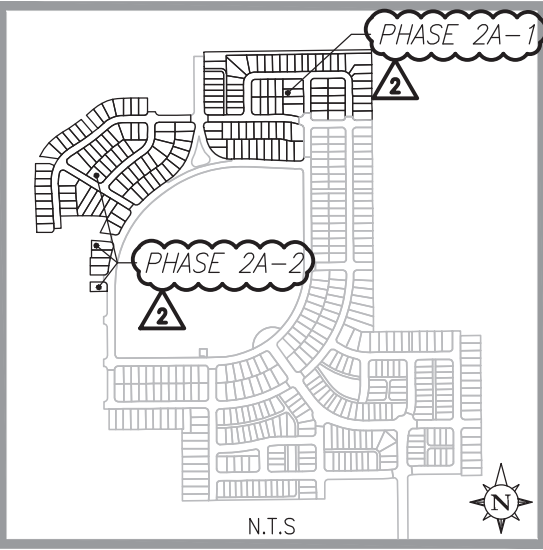


Erosion Legend	
Symbol	Description
	PROPERTY BOUNDARY
	SILT FENCE (SILT FENCE TO BE INSTALLED PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITIES)
	MAJOR CONTOUR
	MINOR CONTOUR
	PROPOSED DISTURBED AREA
	CONSTRUCTION ENTRANCE
	INLET PROTECTION
	STORM PIPE
	STORM MANHOLE
	INLET
	MITERED END SECTION

DISTURBED AREA	
PHASE 2A-1	16.85 Ac.
PHASE 2A-2	16.57 Ac.

- NOTES**
- EXISTING TOPOGRAPHY SHOWN REPRESENTS THE CROSSROADS AT KELLY PARK PHASE 1-2, 1-3 AND PHASE 2 MASTER INFRASTRUCTURE AND MASS GRADING PLANS, DATED 08/07/2023.
 - LOCATION OF SILT FENCE IS GRAPHICAL IN NATURE. THE CONTRACTOR SHALL INSTALL SILT FENCE ON-SITE AND IN LOCATION THAT ALLOWS FOR SITE GRADING. RELOCATION OF SILT FENCE, AS MAY BE NEEDED, SHALL BE THE CONTRACTORS RESPONSIBILITY AND PERFORMED AS PART OF THE PROJECT EXECUTION AT NO ADDITIONAL COST TO OWNER.

Key Map:



2	03/05/2025	RESUBMIT TO CITY OF APOPKA
1	01/05/2024	RESUBMIT TO CITY OF APOPKA
-	10/23/2023	SUBMIT TO CITY OF APOPKA
NO.	DATE	DESCRIPTIONS
SUBMISSIONS/REVISIONS		
VERTICAL DATUM:		NAVD 88
JOB NO.:		21-175
DESIGNED BY:		KML
DRAWN BY:		KML
CHECKED BY:		MDS
APPROVED BY:		MDS
SCALE IN FEET:		1" = 100'
Project Name:		

CROSSROADS AT KELLY PARK - PHASES 2A-1 & 2A-2

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
**EROSION CONTROL
PLAN**

Sheet No.:
C1.10

Seal:

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Z:\2021\21-027 GALVIN - KELLY PARK PARCELS\CAD\FINAL\CITY\PHASE 1-2A\21-027-PHASE 1-2A-EP

EROSION CONTROL NOTES:

- DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO INSURE AGAINST POLLUTING, SILTING OR DISTURBING TO SUCH AN EXTENT AS TO CAUSE AN INCREASE IN TURBIDITY TO THE EXISTING SURFACE WATERS, 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.
- SODDING OF DETENTION PONDS AND OTHER AREAS DESIGNATED FOR SOD, SHOULD BE ACCOMPLISHED WITHIN SEVEN (7) DAYS FOLLOWING COMPLETION OF GRADING TO MINIMIZE EROSION POTENTIAL.
- AT A MINIMUM, THE RETENTION/DETENTION STORAGE AREA MUST BE EXCAVATED TO ROUGH GRADE PRIOR TO BUILDING CONSTRUCTION OR PLACEMENT OF IMPERVIOUS SURFACE WITHIN THE AREA TO BE SERVED BY THOSE FACILITIES TO PREVENT REDUCTION IN STORAGE VOLUME AND PERCOLATION RATES. ALL ACCUMULATED SEDIMENT MUST BE REMOVED FROM THE STORAGE AREA PRIOR TO FINAL GRADING AND STABILIZATION.
- 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 S.J.R.W.M.D. AND CITY OF APOPKA EROSION PROTECTION STANDARDS.
- THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DETAILED EROSION CONTROL PLAN TO THE CITY OF APOPKA FOR REVIEW AND APPROVAL A MINIMUM OF 2 WORKING DAYS PRIOR TO THE PRECONSTRUCTION MEETING. THE EROSION CONTROL PLAN SHALL PROPOSE SILT SCREEN OR SYNTHETIC HAY BALES AND TURBIDITY BARRIERS, IN ACCORDANCE WITH THE CONSTRUCTION PLANS.
- 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.
- AT A MINIMUM SILT BARRIERS SHALL BE PLACED AS SHOWN ON THE CONSTRUCTION PLANS TO INSURE AGAINST POLLUTING, SILTING OR DISTURBING TO SUCH AN EXTENT 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 SATISFACTORY ALTERNATIVES AND ADDITIONAL MEASURES SHALL BE IMPLEMENTED BY THE CONTRACTOR IN ORDER TO COMPLY WITH CITY OF APOPKA AND S.J.R.W.M.D. EROSION PROTECTION STANDARDS.
- CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR ALL EROSION CONTROL COSTS, INCLUDING ANY COST ASSOCIATED WITH COMPLIANCE ISSUES AND ENFORCEMENT ACTIONS.
- CONTRACTOR IS RESPONSIBLE FOR PREPARING AND ADHERING TO A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH THE FLORIDA STORMWATER, EROSION, AND SEDIMENTATION CONTROL INSPECTORS MANUAL PUBLISHED BY FDEP.
- CONTRACTOR SHALL STAKE IN ALL SOD UNTIL SUCH TIME THAT GROUND IS STABILIZED IN ORDER TO PREVENT EROSION.
- WORK SHALL BE DONE IN ACCORDANCE WITH EPA, FDEP, SJRWMD, AND CITY OF APOPKA BEST MANAGEMENT PRACTICES AND EROSION CONTROL SPECIFICATIONS.
- THE SITE SHALL BE STABILIZED FOLLOWING GRUBBING, CLEARING, EARTH WORK OR MASS GRADING TO ESTABLISH A DENSE STAND OF GRASS, OR SHALL INCORPORATE OTHER APPROVED BEST MANAGEMENT PRACTICES, ON ALL DISTURBED AREAS IF DEVELOPMENT DOES NOT BEGIN WITHIN 7 DAYS. FINAL STABILIZATION SHALL ACHIEVE A MINIMUM OF 70% COVERAGE OF THE DISTURBED LAND AREA AND SHALL INCLUDE A MAINTENANCE PROGRAM TO ENSURE MINIMUM COVERAGE SURVIVAL AND OVERALL SITE STABILIZATION UNTIL SITE DEVELOPMENT.
- IF DETERMINED TO BE NECESSARY DURING CONSTRUCTION A 6 FOOT HIGH SCREEN FENCE MAY BE REQUIRED ALONG ALL PROPERTY LINES.

DUST CONTROL PROVISIONS

- CONTRACTOR SHALL PRE-WATER THE SITE AND ALL WORK WILL BE PHASED TO REDUCED THE AMOUNT OF DISTURBED SURFACE AREA AT ANY ONE TIME ACTIVE OPERATIONS.
 - WATER TO BE APPLIED TO DRY AREAS DURING LEVELING, GRADING, TRENCHING, AND EARTHMOVING ACTIVITIES.
 - WATER TO BE APPLIED ON DISTURBED SURFACE AREAS TO FORM A VISIBLE CRUST.
 - VEHICULAR ACCESS TO BE RESTRICTED AND WATER OR DUST SUPPRESSANTS TO BE APPLIED AND MAINTAINED AT ALL UN-VEGETATED AREAS.
- CONTRACTOR SHALL PREVENT DUST FROM WIND EVENTS.
 - WATER TO BE APPLIED TO VEHICULAR TRAFFIC AND EQUIPMENT STORAGE AREAS.
 - WATER APPLICATION EQUIPMENT WILL APPLY WATER TO CONTROL FUGITIVE DUST DURING WIND EVENTS, UNLESS UNSAFE TO DO SO.
 - OUTDOOR CONSTRUCTION ACTIVITIES THAT DISTURB THE SOIL TO BE CEASED WHENEVER VISIBLE DUST EMISSIONS CANNOT BE EFFECTIVELY CONTROLLED.
- CONTRACTOR SHALL HANDLE BULK MATERIAL.
 - WATER TO BE APPLIED WHEN HANDLING BULK MATERIALS.
 - WATER TO BE APPLIED TO STORAGE PILES.
 - VEHICLE SPEED TO BE LIMITED ON THE WORK SITE.
 - ALL HAUL TRUCKS TO BE LOADED SUCH THAT THE FREEBOARD IS NOT LESS THAN SIX INCHES WHEN TRANSPORT USING A CHUTE OR CONVEYOR.
- CONTRACTOR SHALL DO DAILY CLEANUPS:
 - MINIMUM CLEANUP FREQUENCY TO BE DONE AT THE END OF THE WORK DAY AND REMOVED IMMEDIATELY IF CARRYOUT AND TRACK OUT EXTENDS BEYOND 50 FEET.
 - CLEAN UP METHODS:
 - MANUALLY SWEEPING AND PICKING UP.
 - MECHANICAL SWEEPING WITH A ROTARY BRUSH OR BROOM ACCOMPANIED BY WATER SPRAYER ON BROOM.

SWPPP NOTES

- CONSTRUCTION ACTIVITY PERTAINS TO CONSTRUCTION OF A SHARED PARK AND ASSOCIATED UTILITIES, AND SIDEWALKS. EXISTING ON-SITE SOILS: REFER TO NPDES TABLE.
- ALL PROPOSED INLETS/OUTFALLS, ONCE INSTALLED, SHALL BE PROTECTED FROM EROSION AND SEDIMENT RUNOFF USING PROPERLY INSTALLED FILTER FABRICS. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE PERMANENTLY CEASED SHALL BE STABILIZED WITH SOD. SILT FENCE SHALL BE INSTALLED AROUND PERIMETER OF THE SITE. A DOUBLE ROW OF SILT FENCE, REINFORCED WITH FIELD FENCING, SHALL BE PLACED AROUND VEGETATIVE BUFFERS AND WETLAND AREAS. ALL AREAS DISTURBED MORE THAN 7 DAYS SHALL BE STABILIZED WITH RYE GRASS OR OTHER APPROPRIATE TEMPORARY VEGETATION APPLIED AT MANUFACTURER'S RECOMMENDATION.
- THE TEMPORARY AND PERMANENT STABILIZATION PRACTICES INCLUDE SODDING ALL DISTURBED AREAS FOR STABILIZATION.
- SILT FENCE AND INLET/OUTLET PROTECTION SHALL BE INSTALLED PER BEST MANAGEMENT PRACTICES, SEE SECTION 8.
- CONTROL DETAILS OF POTENTIAL POLLUTANTS AS FOLLOWS:
 - WASTE DISPOSAL - ALL CONSTRUCTION MATERIALS AND DEBRIS WILL BE PLACED IN DUMPSTER AND HAULED OFF SITE TO A LANDFILL OR OTHER DISPOSAL SITE. NO MATERIALS SHALL BE BURIED ON SITE.
 - PROPER APPLICATION RATES OF ALL FERTILIZERS, HERBICIDES AND PESTICIDES AT CONSTRUCTION SITE - FLORIDA FRIENDLY FERTILIZERS AND PESTICIDES WILL BE USED AT A MINIMUM AND IN ACCORDANCE WITH MANUFACTURER'S SUGGESTED APPLICATION RATES. THE FERTILIZERS AND PESTICIDES WILL BE STORED IN A COVERED SHED. USE OF FERTILIZERS MUST ADHERE TO THE CITY OF APOPKA FERTILIZER ORDINANCE. USE MUST BE IN COMPLIANCE WITH LOCAL ORDINANCES, SOME OF WHICH ARE MORE STRINGENT THAN CITY OF APOPKA. FOR INFORMATIONAL PURPOSES, SOME GENERAL FACTS ON THE COUNTY'S ORDINANCE INCLUDE:
 - NO MORE THAN 1 LB. OF FERTILIZER CONTAINING %50 SLOW RELEASE NITROGEN SHALL BE APPLIED PER 1,000 SQ. FT.
 - NO P CAN BE APPLIED WITHOUT A VALID SOIL DEFICIENCY TEST FROM IFAS. IF THEY PLAN TO APPLY P, PLEASE PROVIDE COPY OF SOIL TEST INDICATING P DEFICIENCY.
 - NO FERTILIZER CAN BE APPLIED WITHIN 15 FT. OF WATER BODIES.
 - FERTILIZER RELEASED ON TO IMPERVIOUS SURFACES MUST BE IMMEDIATELY CLEANED UP OR APPLIED PER CODE.
 - JUNE 1 - SEPTEMBER 30 IS THE SUMMER APPLICATION RESTRICTED PERIOD. APPLICATORS MUST SHOW PROOF OF TRAINING TO APPLY NITROGEN AND PHOSPHORUS FERTILIZER DURING THIS PERIOD.
 - STORAGE, APPLICATION, GENERATION AND MIGRATION OF ALL TOXIC SUBSTANCES - ALL PAINTS AND OTHER CHEMICALS WILL BE STORED IN A LOCKED COVERED SHED.
 - OTHER - PORT-O-LETS WILL BE PLACED AWAY FROM STORM SEWER SYSTEMS, STORM INLETS, SURFACE WATER AND WETLANDS. NO VEHICLE MAINTENANCE SHALL BE CONDUCTED ON-SITE. A WASHDOWN AREA SHALL BE DESIGNATED AT ALL TIMES AND WILL NOT BE LOCATED IN ANY AREA ALLOWING FOR DISCHARGE OF POLLUTED RUNOFF. A SMALL VEGETATED BERM SHALL BE PLACED AROUND THE WASHDOWN AREA.
- MAINTENANCE FOR ALL STRUCTURAL AND NON-STRUCTURAL CONTROLS SHALL BE AS FOLLOWS:
 - SILT FENCE SHALL BE INSPECTED AT LEAST WEEKLY. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
 - MAINTENANCE SHALL BE PERFORMED ON THE ROCK ENTRANCE WHEN ANY VOID SPACES ARE FULL OF SEDIMENTS.
 - INLETS/OUTLETS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAIN EVENT AND ANY REQUIRED REPAIRS TO THE FILTER FABRIC ON INLETS AND SILT FENCE SHALL BE PERFORMED IMMEDIATELY.
 - BARE AREAS OF THE SITE THAT WERE PREVIOUSLY SEEDED SHALL BE RE-SEEDED PER MANUFACTURER'S INSTRUCTIONS.
 - MULCH AND SOD THAT HAS BEEN WASHED OUT SHALL BE REPLACED IMMEDIATELY.
 - MAINTAIN ALL OTHER AREAS OF THE SITE WITH PROPER CONTROLS AS NECESSARY.
- QUALIFIED PERSONNEL WILL INSPECT ALL POINTS OF DISCHARGES, ALL DISTURBED AREAS OF CONSTRUCTION NOT STABILIZED, CONSTRUCTION AREAS, INGRESS/EGRESS AND ALL BMPs DAILY AND WITHIN 24 HOURS OF A RAINFALL EVENT THAT IS 0.5 INCHES OR GREATER. WHERE SITES HAVE BEEN FINALLY STABILIZED, SAID INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE A MONTH UNTIL NOTICE OF TERMINATION IS FILED.
- NON-STORMWATER DISCHARGES MAY OCCUR FROM CONSTRUCTION ACTIVITIES SUCH AS WATERLINE FLUSHING, PAVEMENT WASH WATER (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED) AND UNCONTAMINATED GROUNDWATER (DEWATERING EXCAVATION). DEWATERING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DEP GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUND WATER FROM ANY NON-CONTAMINATED SITE ACTIVITY. IF SAID DISCHARGES DO OCCUR, THEY WILL BE DIRECTED TO THE TEMPORARY SEDIMENT BASIN PRIOR TO DISCHARGE. TURBID WATER FROM STORMWATER POND SHALL NOT BE PUMPED DIRECTLY INTO ANY RECEIVING WATERS. TREATMENT CAN INCLUDE SILT FENCES, SETTLING PONDS, PROPER USE OF FLOCCULATING AGENTS OR OTHER APPROPRIATE MEANS.
- DRY RETENTION POND TO BE PROTECTED FROM SILT DURING CONSTRUCTION ACTIVITIES. IF IT IS DETERMINED THAT THE POND BOTTOM HAS BECOME SILTED THEN 6 INCHES OF POND BOTTOM SHALL BE REMOVED & REPLACED WITH CLEAN BACKFILL.

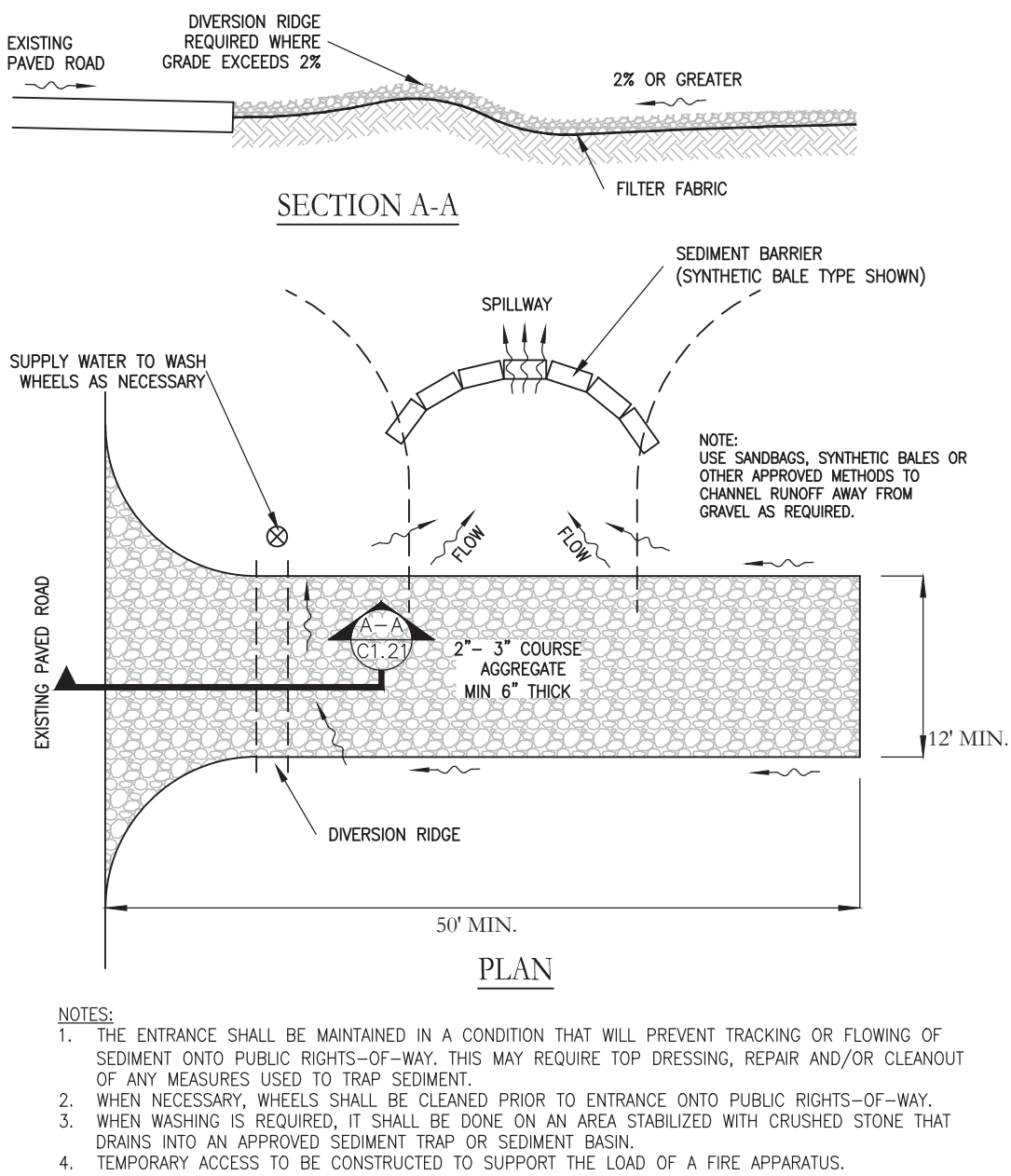
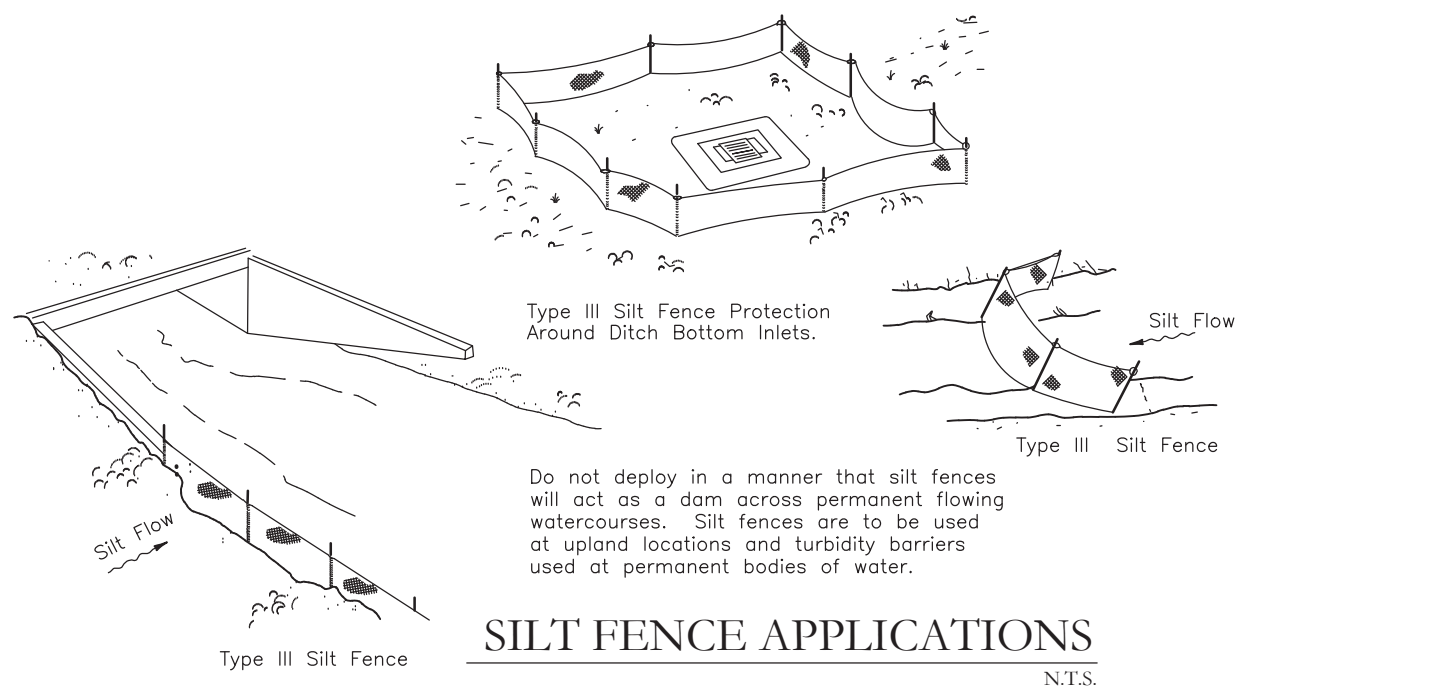
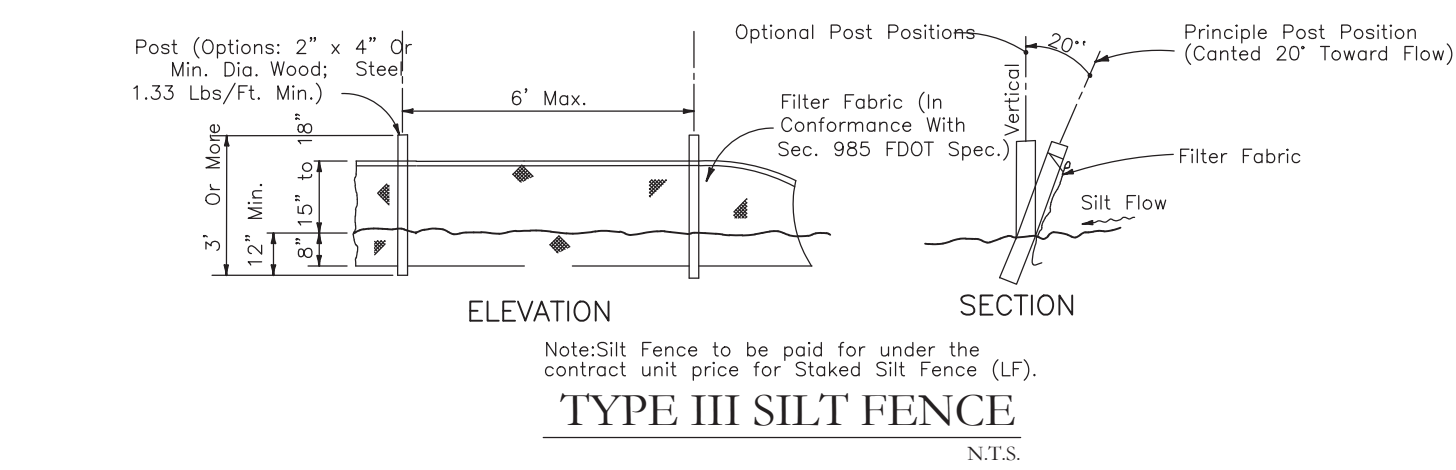
NPDES Information

Address	W. Kelly Park Road
Latitude	28°46'10.32"N
Longitude	81°34'51.47"W
Jurisdictional Authority	City Of Apopka
Total Area (Per Survey)	205.07 ac
Total Project (Disturbed) Area	33.42 ac
Phase 2A-1	16.85 ac
Phase 2A-2	16.57 ac
Area Operator	N/A
MS4 Operator	N/A
Receiving Water Name	Onsite depressional area
Soils (USDA NCRS "Web Soil Survey")	No. 4 Candler Fine Sand, 0 To 5 Percent Slopes No. 5 Candler Fine Sand, 5 To 12 Percent Slopes No. 47 Tavares-Millhopper Complex, 0 To 5 Percent Slopes -----

NOTE: FOR PROJECTS WITH DISTURBED AREAS LESS THAN 1 ACRE NPDES PERMITTING IS NOT REQUIRED.

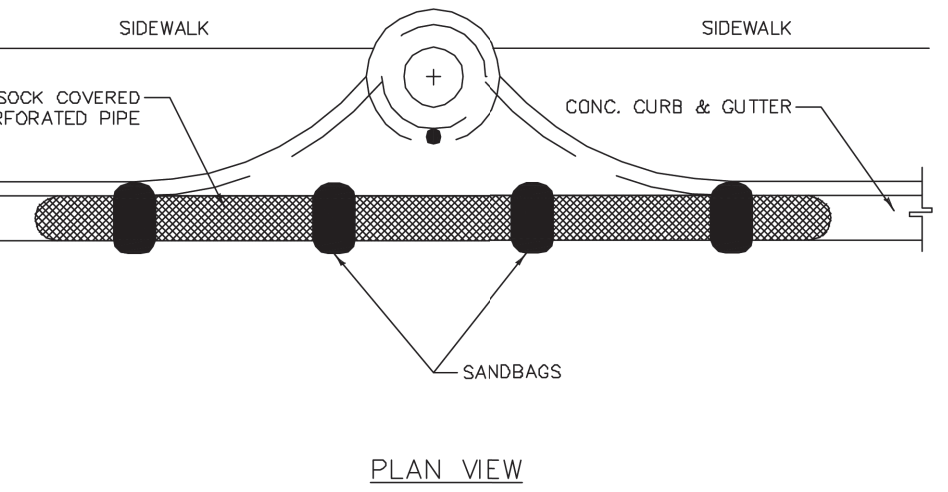
NPDES PERMIT

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 PERFORM/CERTIFY ALL INSPECTIONS 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.



- NOTES:
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
 - WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
 - TEMPORARY ACCESS TO BE CONSTRUCTED TO SUPPORT THE LOAD OF A FIRE APPARATUS.

TEMPORARY CONSTRUCTION ENTRANCE



- NOTES:
- PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
 - SANDBAGS OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC ARE FILLED WITH GRAVEL LAYERED AND PACKED TIGHTLY.
 - LEAVE A ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
 - INSPECT BARRIERS AND REMOVED SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.
 - AT THE END OF EACH WORKDAY, SWEEP OR SCRAPE UP SOIL TRACKED ONTO THE STREET.

CURB AND GUTTER SEDIMENT BARRIER

Key Map:

2 03/05/2023 RESUBMIT TO CITY OF APOPKA

1 01/03/2024 RESUBMIT TO CITY OF APOPKA

10/23/2023 SUBMIT TO CITY OF APOPKA

NO. DATE DESCRIPTIONS SUBMISSIONS/REVISIONS

VERTICAL DATUM: NAVD 88

JOB NO.: 21-175

DESIGNED BY: KML

DRAWN BY: KML

CHECKED BY: MDS

APPROVED BY: MDS

SCALE IN FEET: N.T.S.

Project Name:

CROSSROADS AT
KELLY PARK -
PHASES 2A-1 & 2A-2

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
EROSION CONTROL
DETAILS

Sheet No.:
C1.11

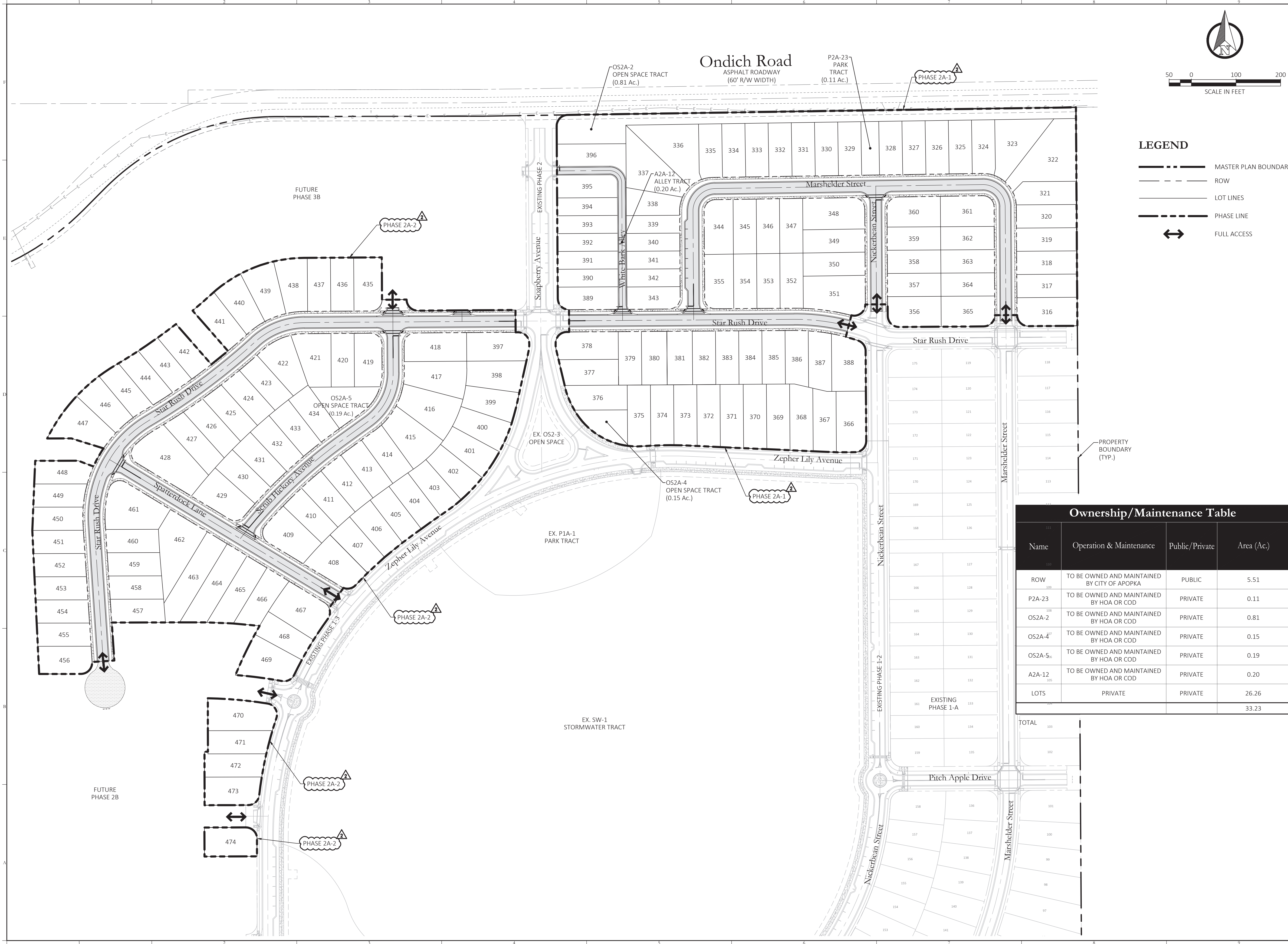
Seal:
MARC DANIEL STEHLI
LICENSE
No. 52781
STATE OF FLORIDA
Professional Engineer
DATE: March 5, 2025

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Z:\2021\21-027 GALVIN - KELLY PARK PARCELS\CAD\FINAL\CITY\PHASE 1-2A\21-027-PHASE 1-2A-SP



LEGEND

- MASTER PLAN BOUNDARY
- ROW
- LOT LINES
- PHASE LINE
- FULL ACCESS

Ownership/Maintenance Table			
Name	Operation & Maintenance	Public/Private	Area (Ac.)
ROW	TO BE OWNED AND MAINTAINED BY CITY OF APOPKA	PUBLIC	5.51
P2A-23	TO BE OWNED AND MAINTAINED BY HOA OR COD	PRIVATE	0.11
OS2A-2	TO BE OWNED AND MAINTAINED BY HOA OR COD	PRIVATE	0.81
OS2A-4	TO BE OWNED AND MAINTAINED BY HOA OR COD	PRIVATE	0.15
OS2A-5	TO BE OWNED AND MAINTAINED BY HOA OR COD	PRIVATE	0.19
A2A-12	TO BE OWNED AND MAINTAINED BY HOA OR COD	PRIVATE	0.20
LOTS	PRIVATE	PRIVATE	26.26
TOTAL			33.23

Key Map:

2	03/05/2025	RESUBMIT TO CITY OF APOPKA
1	01/05/2024	RESUBMIT TO CITY OF APOPKA
	10/23/2023	SUBMIT TO CITY OF APOPKA
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SUBMISSIONS/REVISIONS		
VERTICAL DATUM:		NAVD 88
JOB NO.:		21-175
DESIGNED BY:		KML
DRAWN BY:		KML
CHECKED BY:		MDS
APPROVED BY:		MDS
SCALE IN FEET:		1" = 100'

Project Name:
**CROSSROADS AT
KELLY PARK -
PHASES 2A-1 & 2A-2**

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
SITE PLAN

Sheet No.:
C2.00

Seal:
MARC DANIEL STEHLI
LICENSE
No. 52781
STATE OF
FLORIDA
Professional Engineer
DATE: March 5, 2025

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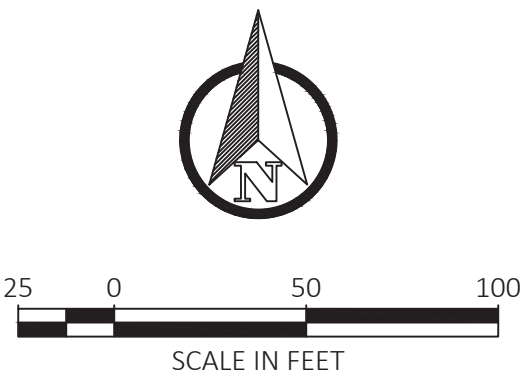
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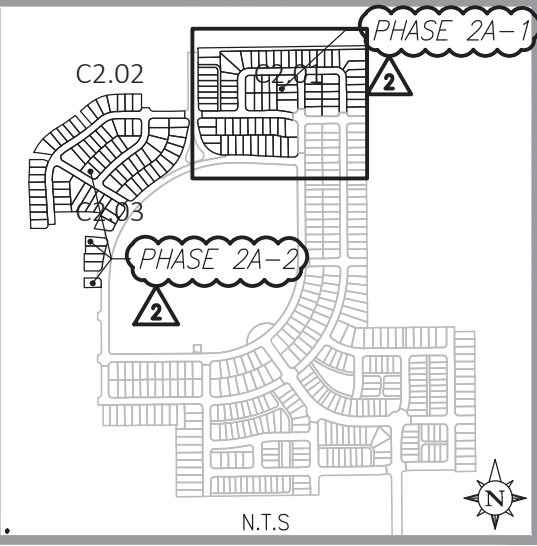
Z:\2021\21-027 GALWIN - KELLY PARK PARCELS\CD\FINAL\CD\PHASE 1-2A\21-027-PHASE 1-2A-SSP

Ondich Road

ASPHALT ROADWAY
(60' R/W WIDTH)



Key Map:



SIGN & STRIPING LEGEND:

- 30" STOP SIGN (R1-1) & 24" WHITE STOP BAR
PER FDOT INDEX NO. 700-010
- CURB RAMP (CR-F) AND CAST IN PLACE
DETECTABLE WARNINGS PER FDOT INDEX NO.
522-002
- STREET NAME SIGN
(D3-1)
- SPEED LIMIT SIGN (25 MPH)
(R2-1)
- 6" SOLID WHITE
PER FDOT INDEX NO. 711-001
- VALLEY GUTTER PER FDOT
INDEX NO. 520-001
- 50' LF-6" SOLID DOUBLE YELLOW
PER FDOT INDEX NO. 711-001
- SIDEWALK STANDARD CROSSWALK, 6'
AND 10' PER FDOT INDEX 711-001
- STREET TERMINATION BARRIER (FDOT INDEX 700-109)

NOTES:

- ALL STRIPING & SIGNAGE PER FDOT STANDARDS &
SPECIFICATIONS MANUAL LATEST EDITION, MUTCD & CITY
OF APOPKA ROAD CONSTRUCTION SPECIFICATIONS,
UNLESS OTHERWISE SPECIFIED.
- ALL STRIPING SHALL BE THERMOPLASTIC UNLESS
OTHERWISE SPECIFIED.
- ALL PAVEMENT MARKINGS MUST COMPLY WITH FDOT
INDEX 711-001.
- SIGNS WILL NOT BE INSTALLED WITH CONCRETE.
HANDICAP (HC) RAMPS AND DETECTABLE WARNING
SURFACE WILL BE CONSTRUCTED AT THE STREET
INTERSECTION(S) AND DRIVEWAY CONNECTION(S) TO
COMPLY WITH THE AMERICANS WITH DISABILITY ACT
(ADA) AND WILL MEET FDOT
- 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.
- 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 CITY
OF APOPKA CRITERIA FOR SIGN SIZE AND SHAPE AND
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NOTES:

- DESIGN AND POSTED SPEED LIMITS ARE AS FOLLOWS:
INTERNAL STREETS
DESIGN SPEED: 30 MPH
POSTED SPEED: 25 MPH

Sign Legend

Id.	M.U.T.C.D. Number	Dimensions		Symbol
		Width	Height	
1	R1-1	30"	30"	
3	D3-1	VARIES	12"	
4	R2-1	24"	30"	

Jurisdiction:

CITY of APOPKA, FL

Sheet Title:

**SIGNAGE STRIPING &
GEOMETRY PLAN**

Sheet No.:

C2.01

Seal:

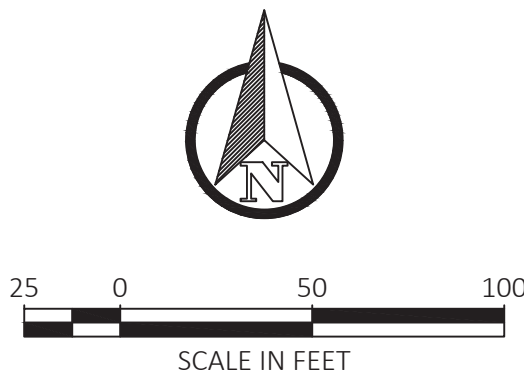
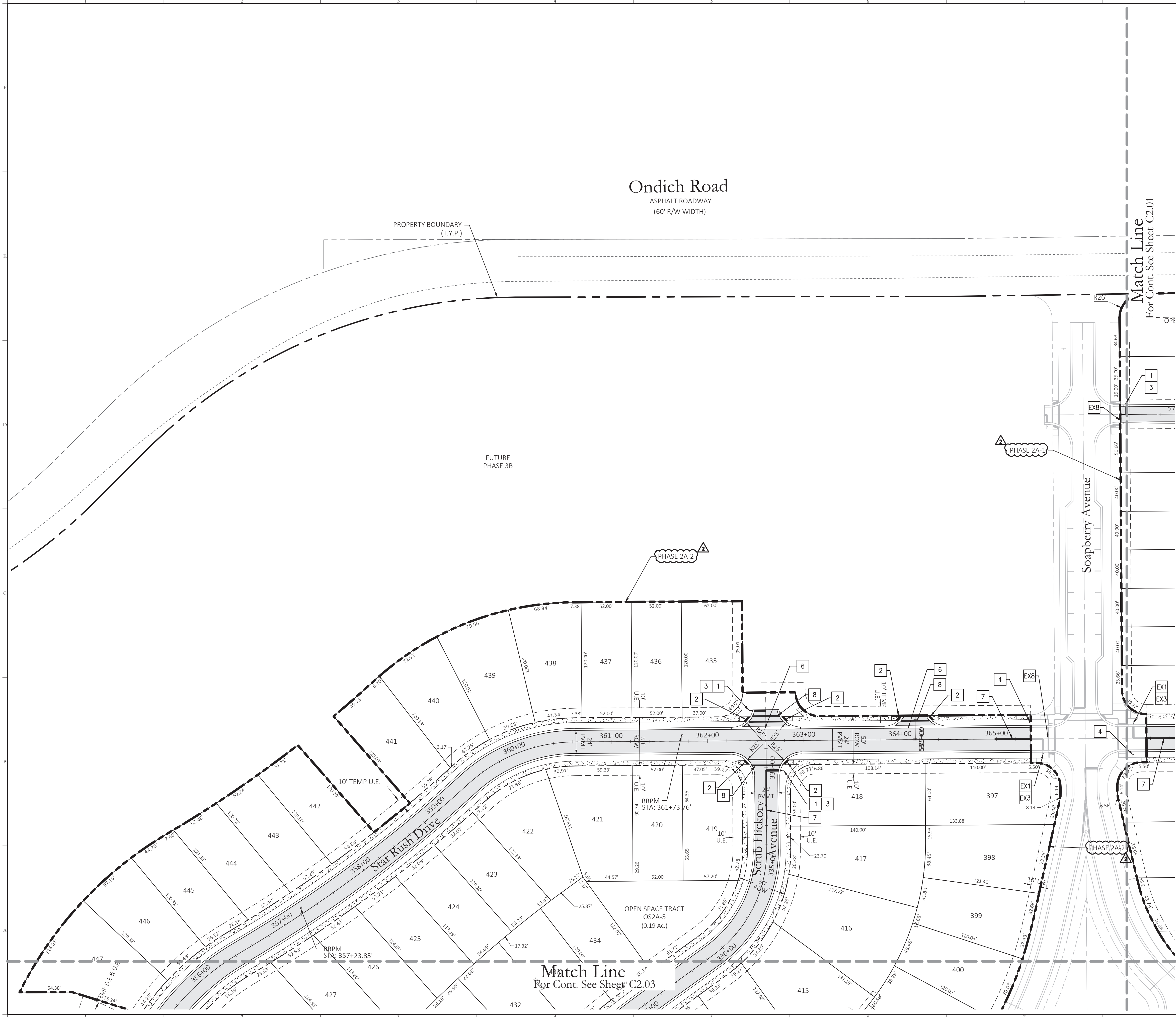


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Z:\2021\21-027 GALVIN - KELLY PARK PARCELS\CAD\FINAL\CITY\PHASE 1-2A\21-027-PHASE 1-2A-SSP



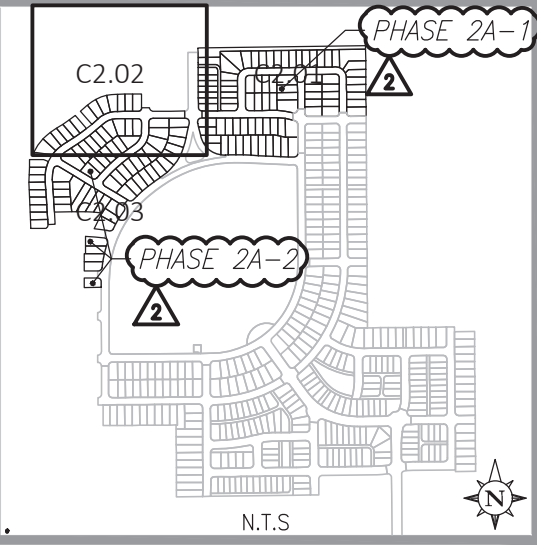
- SIGN & STRIPING LEGEND:
- | | |
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522-002 |
| 3 | STREET NAME SIGN
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(R2-1) |
| 5 | 6" SOLID WHITE
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| 6 | VALLEY GUTTER PER FDOT
INDEX NO. 520-001 |
| 7 | 50' LF-6" SOLID DOUBLE YELLOW
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| 9 | STREET TERMINATION BARRIER (FDOT INDEX 700-109) |

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Sign Legend				
Id.	M.U.T.C.D. Number	Dimensions		Symbol
		Width	Height	
1	R1-1	30"	30"	STOP
3	D3-1	VARIES	12"	Main St
4	R2-1	24"	30"	SPEED LIMIT 25

Key Map:



2	03/05/2025	RESUBMIT TO CITY OF APOPKA
1	01/05/2024	RESUBMIT TO CITY OF APOPKA
-	10/23/2023	SUBMIT TO CITY OF APOPKA
NO.	DATE:	DESCRIPTIONS:
SUBMISSIONS/REVISIONS		
VERTICAL DATUM:		NAVD 88
JOB NO.:		21-175
DESIGNED BY:		KML
DRAWN BY:		KML
CHECKED BY:		MDS
APPROVED BY:		MDS
SCALE IN FEET:		1" = 50'

Project Name:
**CROSSROADS AT
KELLY PARK -
PHASES 2A-1 & 2A-2**

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
**SIGNAGE STRIPING &
GEOMETRY PLAN**

Sheet No.:
C2.02

Seal:

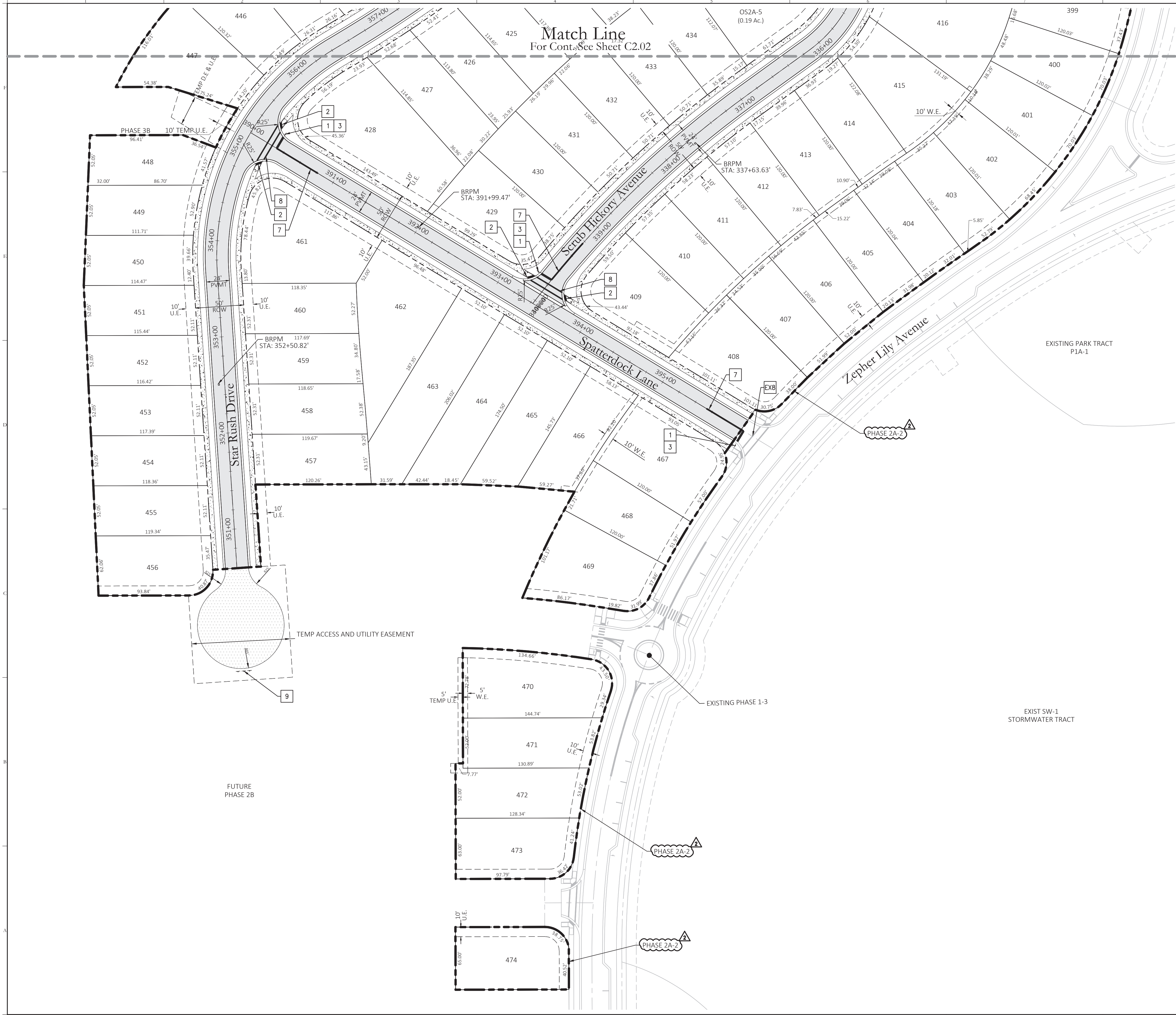
DATE: March 5, 2025

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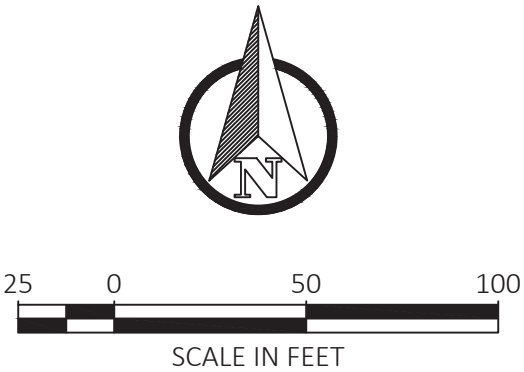


- SIGN & STRIPING LEGEND:
- 1 30" STOP SIGN (R1-1) & 24" WHITE STOP BAR PER FDOT INDEX NO. 700-010
 - 2 CURB RAMP (CR-F) AND CAST IN PLACE DETECTABLE WARNINGS PER FDOT INDEX NO. 522-002
 - 3 STREET NAME SIGN (D3-1)
 - 4 SPEED LIMIT SIGN (25 MPH) (R2-1)
 - 5 6" SOLID WHITE PER FDOT INDEX NO. 711-001
 - 6 VALLEY GUTTER PER FDOT INDEX NO. 520-001
 - 7 50' LF-6" SOLID DOUBLE YELLOW PER FDOT INDEX NO. 711-001
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 - 9 STREET TERMINATION BARRIER (FDOT INDEX 700-109)

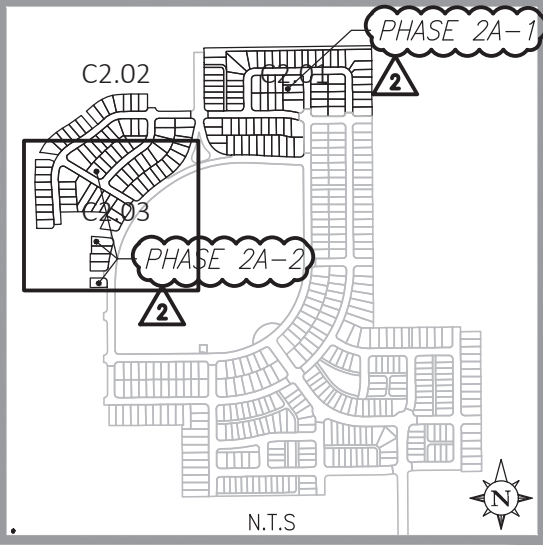
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3	D3-1	VARIES	12"	E Main SB
4	R2-1	24"	30"	SPEED LIMIT 25



Key Map:



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1	01/05/2024	RESUBMIT TO CITY OF APOPKA
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NO.	DATE:	DESCRIPTIONS:
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JOB NO.:		21-175
DESIGNED BY:		KML
DRAWN BY:		KML
CHECKED BY:		MDS
APPROVED BY:		MDS
SCALE IN FEET:		1" = 50'
Project Name:		

CROSSROADS AT KELLY PARK - PHASES 2A-1 & 2A-2

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
**SIGNAGE STRIPING &
GEOMETRY PLAN**

Sheet No.:
C2.03

Seal:

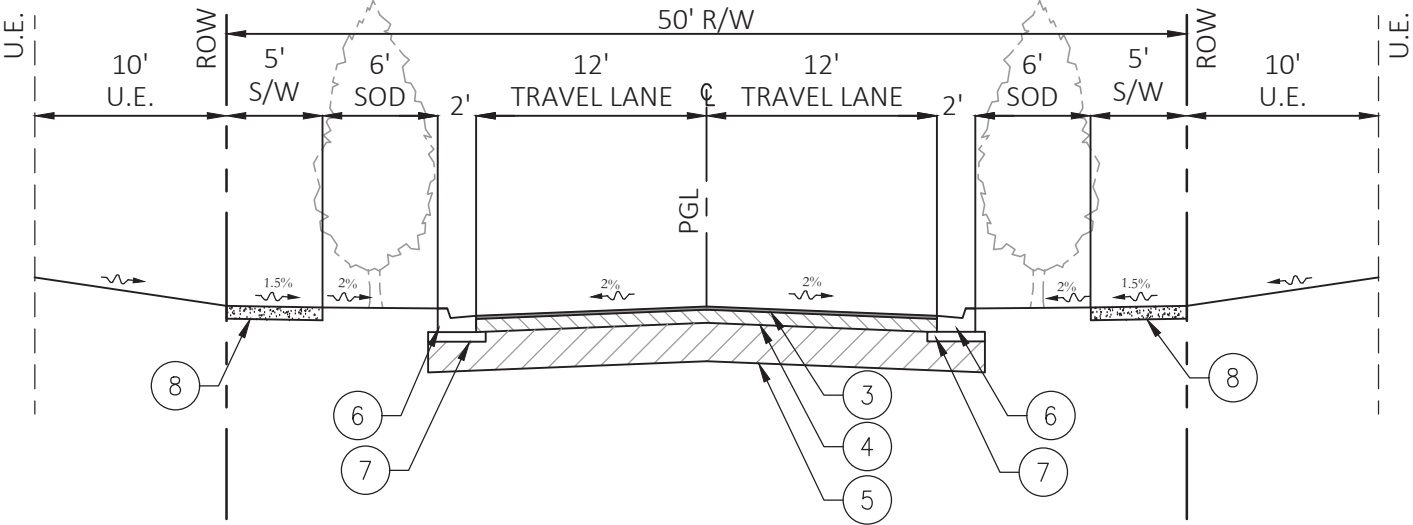
Marc O. Stahli
DATE: March 5, 2025

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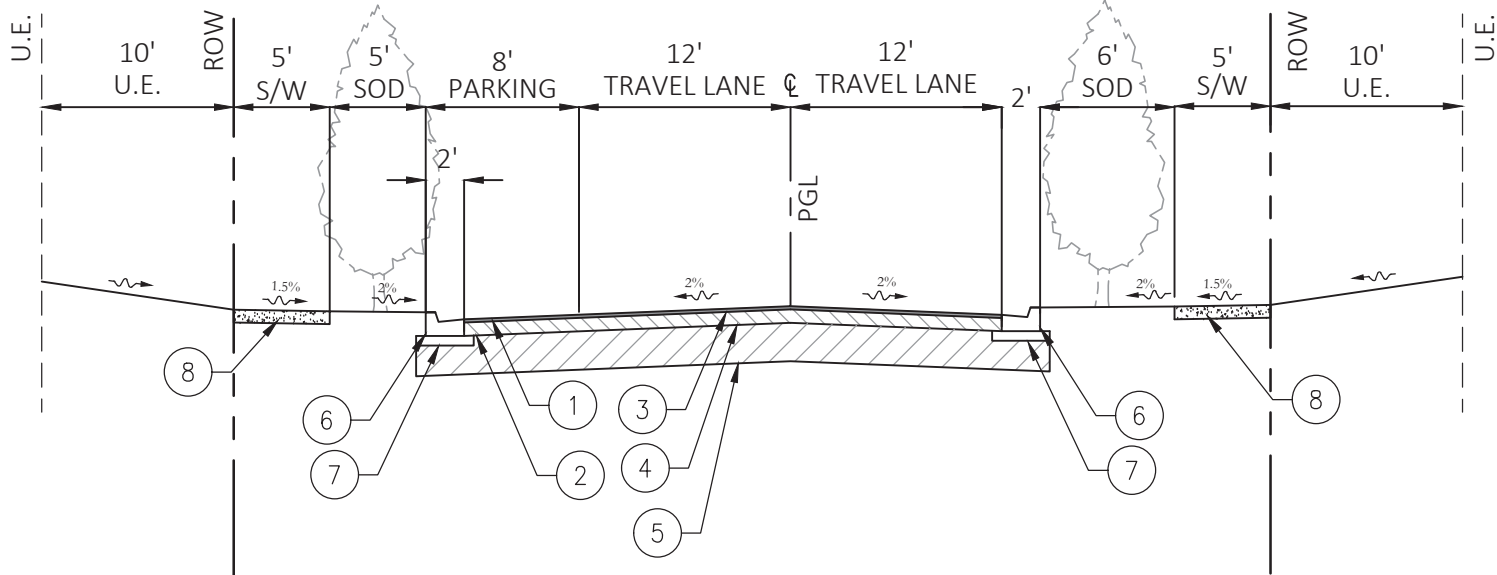
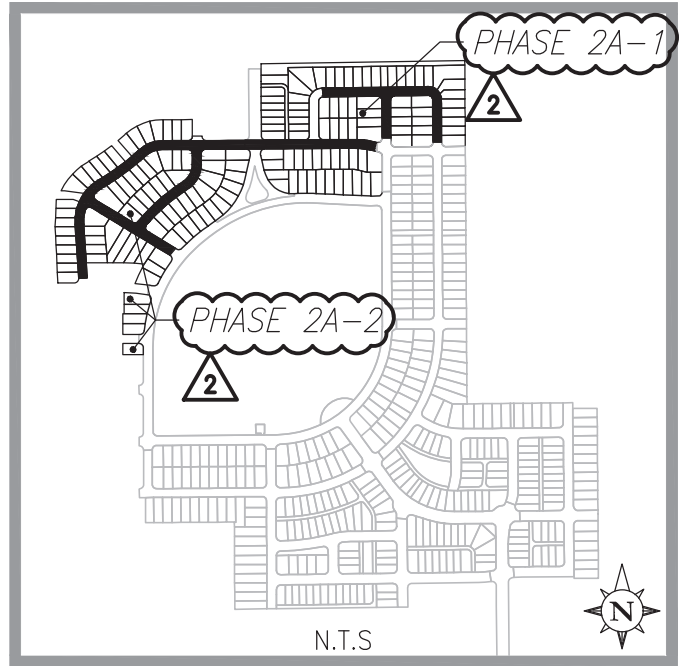
Z:\2021\21-027 GALVIN - KELLY PARK PARCELS\CAD\FINAL\CITY\PHASE 1-2A\21-027 -PHASE 1-2A-1RS



A TYPICAL ROAD SECTION (50' ROW)

N.T.S.

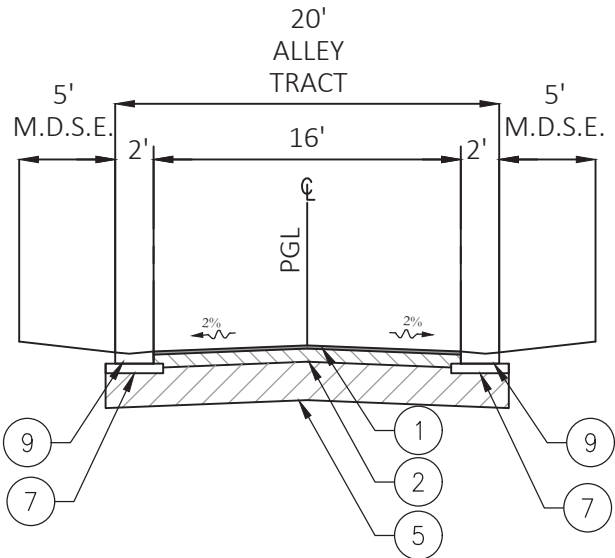
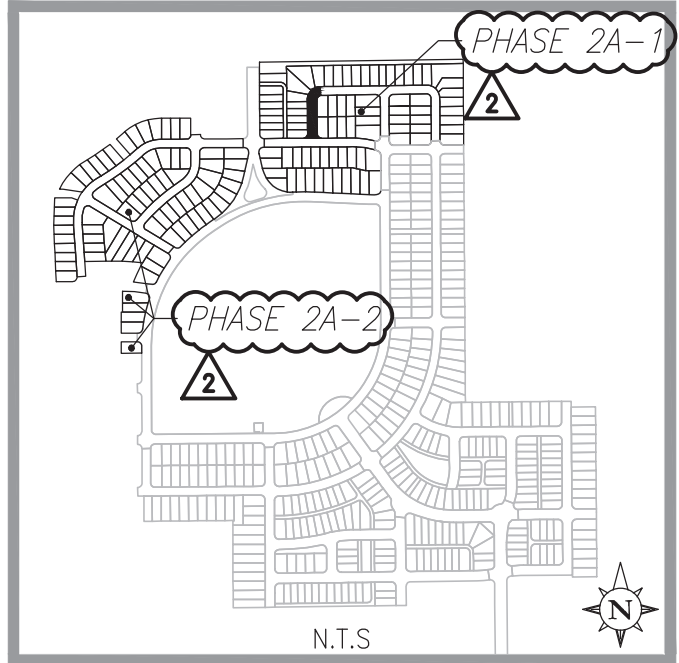
1. STREET TREES SHALL NOT BE ROOT AGGRESSIVE AND SHALL BE INSTALLED WITH ROOT BARRIERS TO PREVENT ROOTS FROM ADVERSELY AFFECTING UTILITIES, CURBS AND/OR SIDEWALK
2. HOA DOCUMENTS SHALL INDICATE THAT THE HOA IS RESPONSIBLE FOR MAINTENANCE OF STREET TREES
3. PARKING SPACE STRIPING WITHIN CITY MAINTAINED PUBLIC RIGHT OF WAY SHALL BE MAINTAINED BY THE HOA/CDD.
4. A PERMANENT 10' UTILITY EASEMENT WILL BE PROVIDED WITH THE PLATTING OF EACH FUTURE RESIDENTIAL PHASE TO REPLACE THE TEMPORARY 10' UTILITY EASEMENT
5. CONTRACTOR SHALL REFERENCE GEOTECHNICAL SHEETS (C3.10-C3.11) AND OVER EXCAVATION PLAN (C3.21) TO IDENTIFY LIMITS OF LOW PERMEABLE SOILS TO BE OVER EXCAVATED AND BACKFILLED. SEE U.E.S. REPORT NO. 1919910 DATED JANUARY 27, 2022 FOR RECOMMENDATIONS AND SPECIFICATIONS. CONTRACTOR SHALL RETAIN PROJECT GEOTECHNICAL ENGINEER TO DEFINE LIMITS OF OVER EXCAVATION DURING CONSTRUCTION. GEOTECHNICAL TESTING REPORTS AT 100' O.C. INTERVALS SHALL BE PROVIDED TO E.O.R. PRIOR TO PLACING BASE MATERIAL.



B TYPICAL ROAD SECTION (55' ROW)

N.T.S.

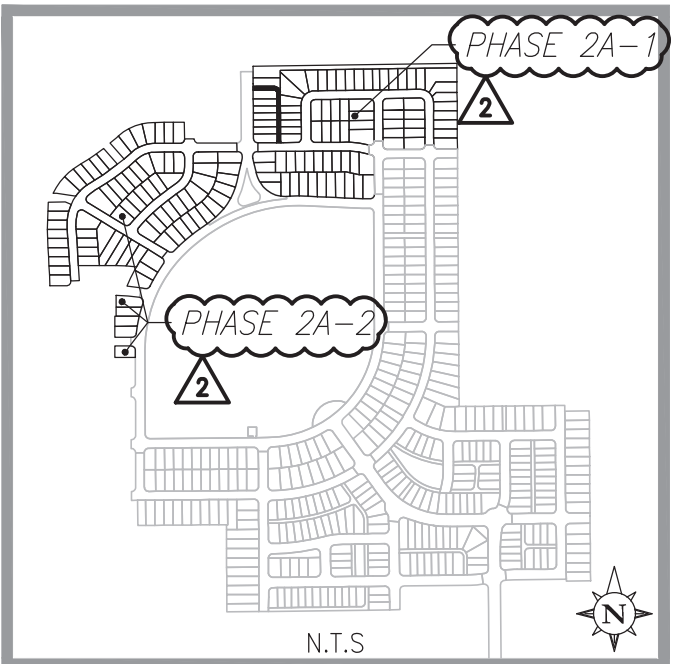
1. STREET TREES SHALL NOT BE ROOT AGGRESSIVE AND SHALL BE INSTALLED WITH ROOT BARRIERS TO PREVENT ROOTS FROM ADVERSELY AFFECTING UTILITIES, CURBS AND/OR SIDEWALK
2. HOA DOCUMENTS SHALL INDICATE THAT THE HOA IS RESPONSIBLE FOR MAINTENANCE OF STREET TREES
3. PARKING SPACE STRIPING WITHIN CITY MAINTAINED PUBLIC RIGHT OF WAY SHALL BE MAINTAINED BY THE HOA/CDD.
4. A PERMANENT 10' UTILITY EASEMENT WILL BE PROVIDED WITH THE PLATTING OF EACH FUTURE RESIDENTIAL PHASE TO REPLACE THE TEMPORARY 10' UTILITY EASEMENT
5. CONTRACTOR SHALL REFERENCE GEOTECHNICAL SHEETS (C3.10-C3.11) AND OVER EXCAVATION PLAN (C3.21) TO IDENTIFY LIMITS OF LOW PERMEABLE SOILS TO BE OVER EXCAVATED AND BACKFILLED. SEE U.E.S. REPORT NO. 1919910 DATED JANUARY 27, 2022 FOR RECOMMENDATIONS AND SPECIFICATIONS. CONTRACTOR SHALL RETAIN PROJECT GEOTECHNICAL ENGINEER TO DEFINE LIMITS OF OVER EXCAVATION DURING CONSTRUCTION. GEOTECHNICAL TESTING REPORTS AT 100' O.C. INTERVALS SHALL BE PROVIDED TO E.O.R. PRIOR TO PLACING BASE MATERIAL.



H TYPICAL ALLEY SECTION WITHOUT UTILITIES

N.T.S.

1. NO PUBLIC UTILITIES PROPOSED WITHIN ALLEY.
2. NO PARKING TO BE POSTED
3. 5' MAINTENANCE, DRAINAGE, AND SIGNAGE EASEMENT SHALL BE DEDICATED TO THE CDD AND/OR HOA.
4. ALLEY TRACT SHALL BE PROPERTY OWNED AND MAINTAINED BY THE CDD AND/OR HOA.
5. CONTRACTOR SHALL REFERENCE GEOTECHNICAL SHEETS (C3.10-C3.11) AND OVER EXCAVATION PLAN (C3.21) TO IDENTIFY LIMITS OF LOW PERMEABLE SOILS TO BE OVER EXCAVATED AND BACKFILLED. SEE U.E.S. REPORT NO. 1919910 DATED JANUARY 27, 2022 FOR RECOMMENDATIONS AND SPECIFICATIONS. CONTRACTOR SHALL RETAIN PROJECT GEOTECHNICAL ENGINEER TO DEFINE LIMITS OF OVER EXCAVATION DURING CONSTRUCTION. GEOTECHNICAL TESTING REPORTS AT 100' O.C. INTERVALS SHALL BE PROVIDED TO E.O.R. PRIOR TO PLACING BASE MATERIAL.



Pavement Legend	
Symbol Id.	Description
①	1" (IN.) TYPE SP-9.5 ASPHALT (SEE NOTE 1)
②	6" (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	1.5" (IN.) TYPE SP-9.5 ASPHALT (SEE NOTE 1)
④	8" (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.
⑤	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.
⑥	TYPE 'F' CONC. CURB & GUTTER
⑦	6" (IN.) STABILIZED SUBGRADE IN CURB AREA TO EXTEND 12" (IN.) EACH SIDE TO 50 FBV
⑧	4" (IN.) THICK CONC. SIDEWALK (3000 P.S.I.)
⑨	MIAMI CURB

NOTES:

1. ASPHALT MIX WILL REQUIRE A MIX DESIGN APPROVAL BY CITY OF APOPKA.
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. CONTRACTOR SHALL INSTALL A 2' STRIP OF SOD ALONG THE BACK OF ALL ROADWAY CURBING.
4. AT THE TIME OF PLATTING A 10' WIDE UTILITY EASEMENT WILL BE PROVIDED ADJACENT TO ALL RIGHT-OF-WAY. IF ROW IS ADJACENT TO A FUTURE PHASE A TEMPORARY 10' UTILITY EASEMENT SHALL BE PROVIDED, WHICH WILL BECOME PERMANENT WITH THE PLATTING OF THE FUTURE PHASE.
5. SEE UNIVERSAL ENGINEERING SCIENCES REPORT NO. 1919910 DATED JANUARY 27, 2022 FOR PAVEMENT RECOMMENDATIONS.

Key Map:

2 03/05/2025 RESUBMIT TO CITY OF APOPKA

1 01/05/2024 RESUBMIT TO CITY OF APOPKA

10/23/2023 SUBMIT TO CITY OF APOPKA

NO. DATE DESCRIPTIONS

SUBMISSIONS/REVISIONS

VERTICAL DATUM: NAVD 88

JOB NO.: 21-175

DESIGNED BY: KML

DRAWN BY: KML

CHECKED BY: MDS

APPROVED BY: MDS

SCALE IN FEET: N/A

Project Name:

**CROSSROADS AT
KELLY PARK -
PHASES 2A-1 & 2A-2**

Jurisdiction:

CITY of APOPKA, FL

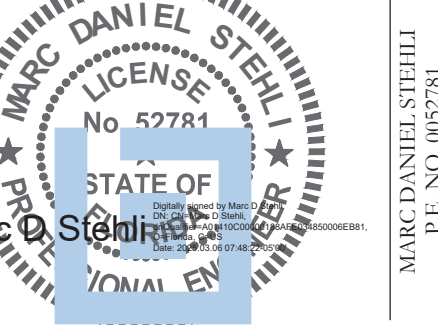
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**TYPICAL ROAD
SECTION**

Sheet No.:

C3.00

Seal:

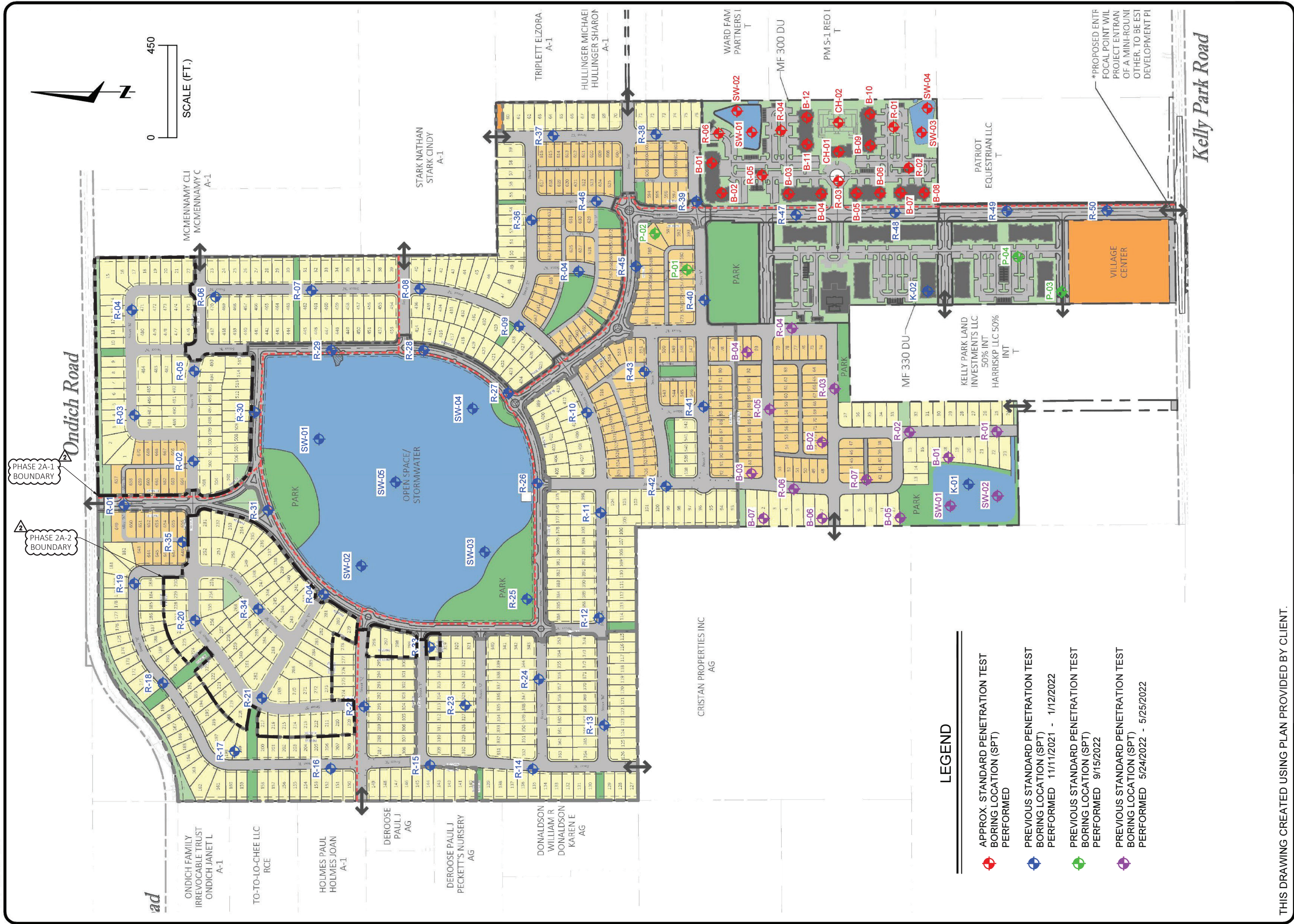


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Eng. Bus. No. 28567

21-0638-02



- LEGEND**
- APPROX. STANDARD PENETRATION TEST BORING LOCATION (SPT) PERFORMED
 - PREVIOUS STANDARD PENETRATION TEST BORING LOCATION (SPT) PERFORMED 11/11/2021 - 1/12/2022
 - PREVIOUS STANDARD PENETRATION TEST BORING LOCATION (SPT) PERFORMED 9/15/2022
 - PREVIOUS STANDARD PENETRATION TEST BORING LOCATION (SPT) PERFORMED 5/24/2022 - 5/25/2022

NOTE: THIS PLAN IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL REFER TO UES REPORT NO. 1985238, DATED OCTOBER 26, 2022, FOR ADDITIONAL SOIL INFORMATION.

THIS DRAWING CREATED USING PLAN PROVIDED BY CLIENT.



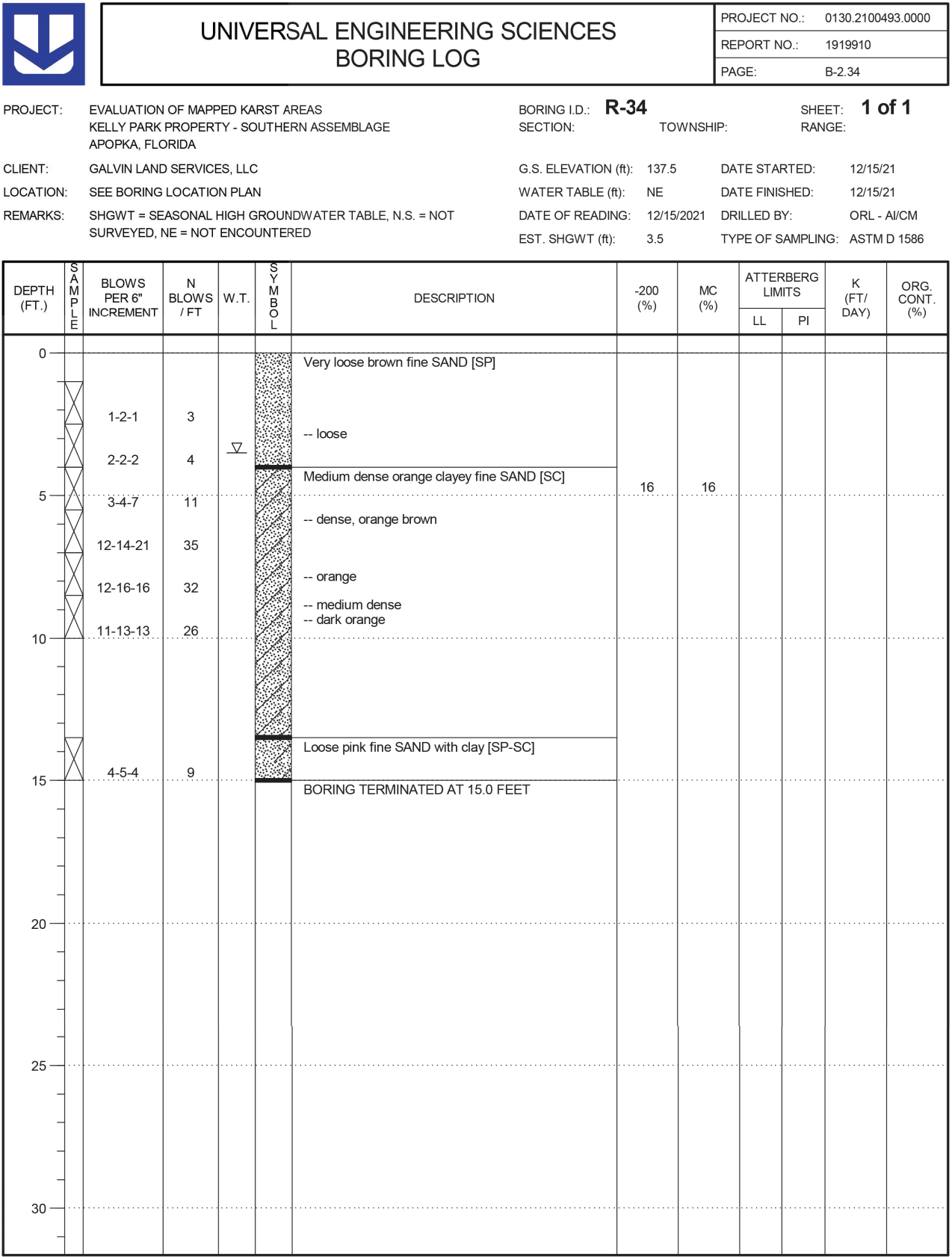
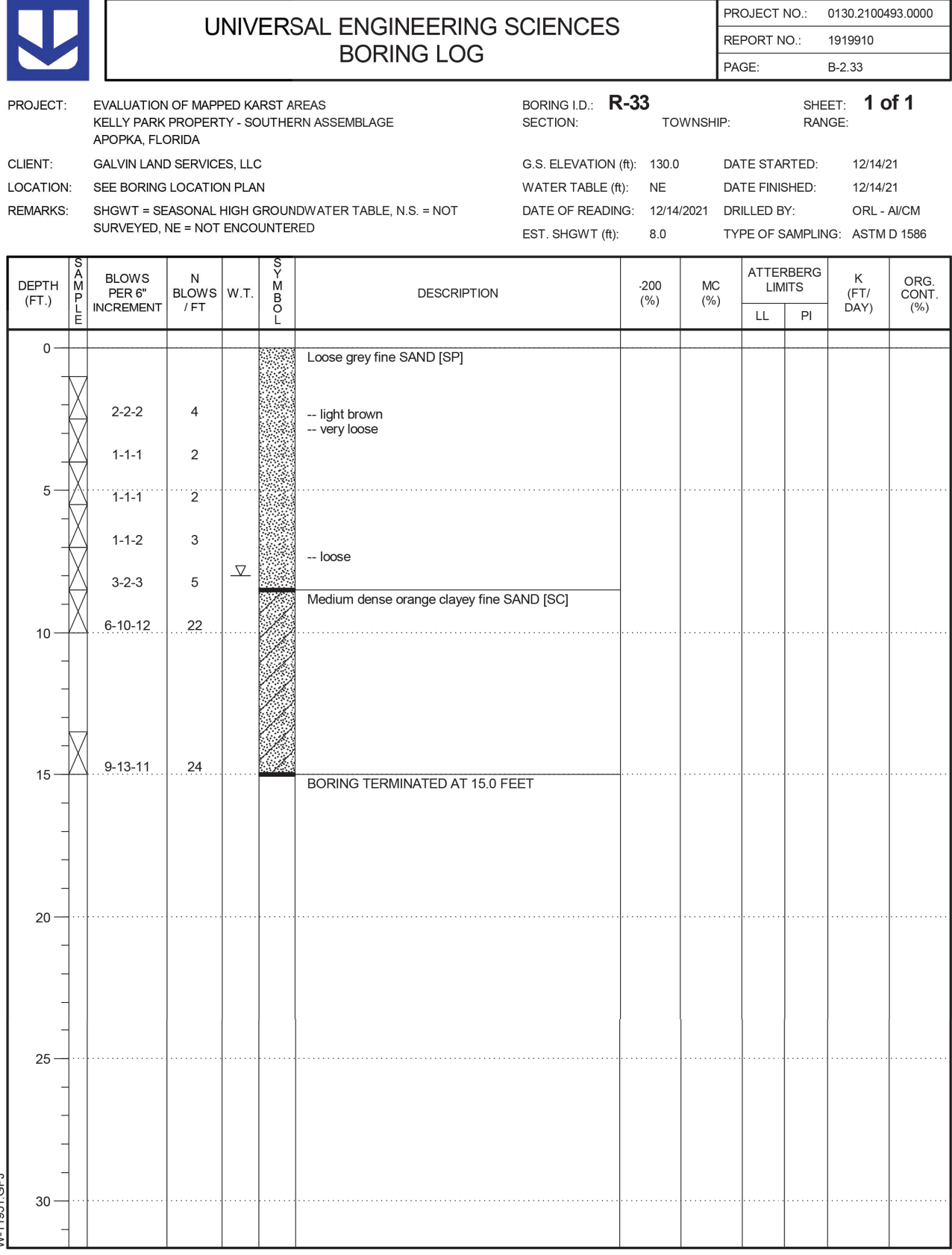
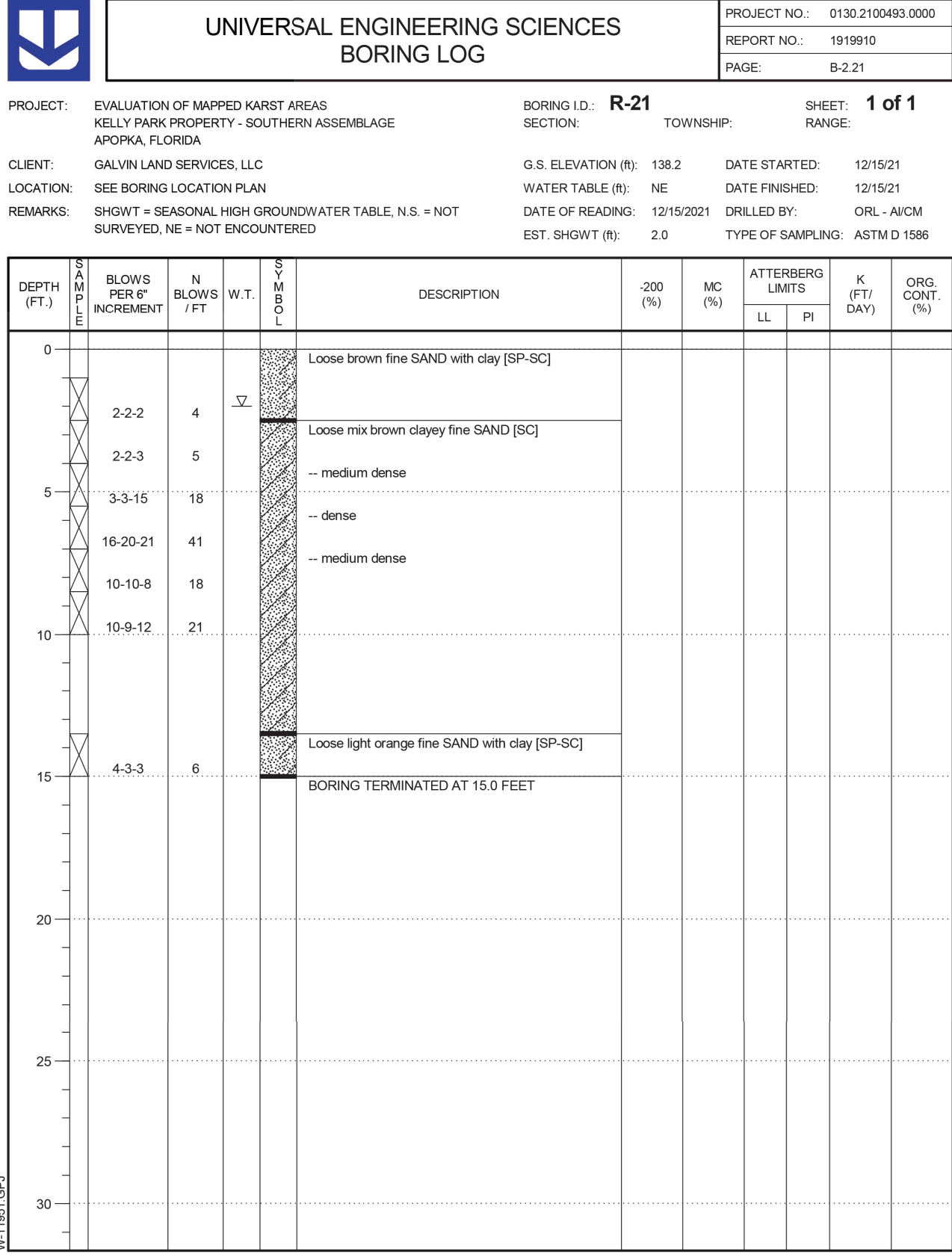
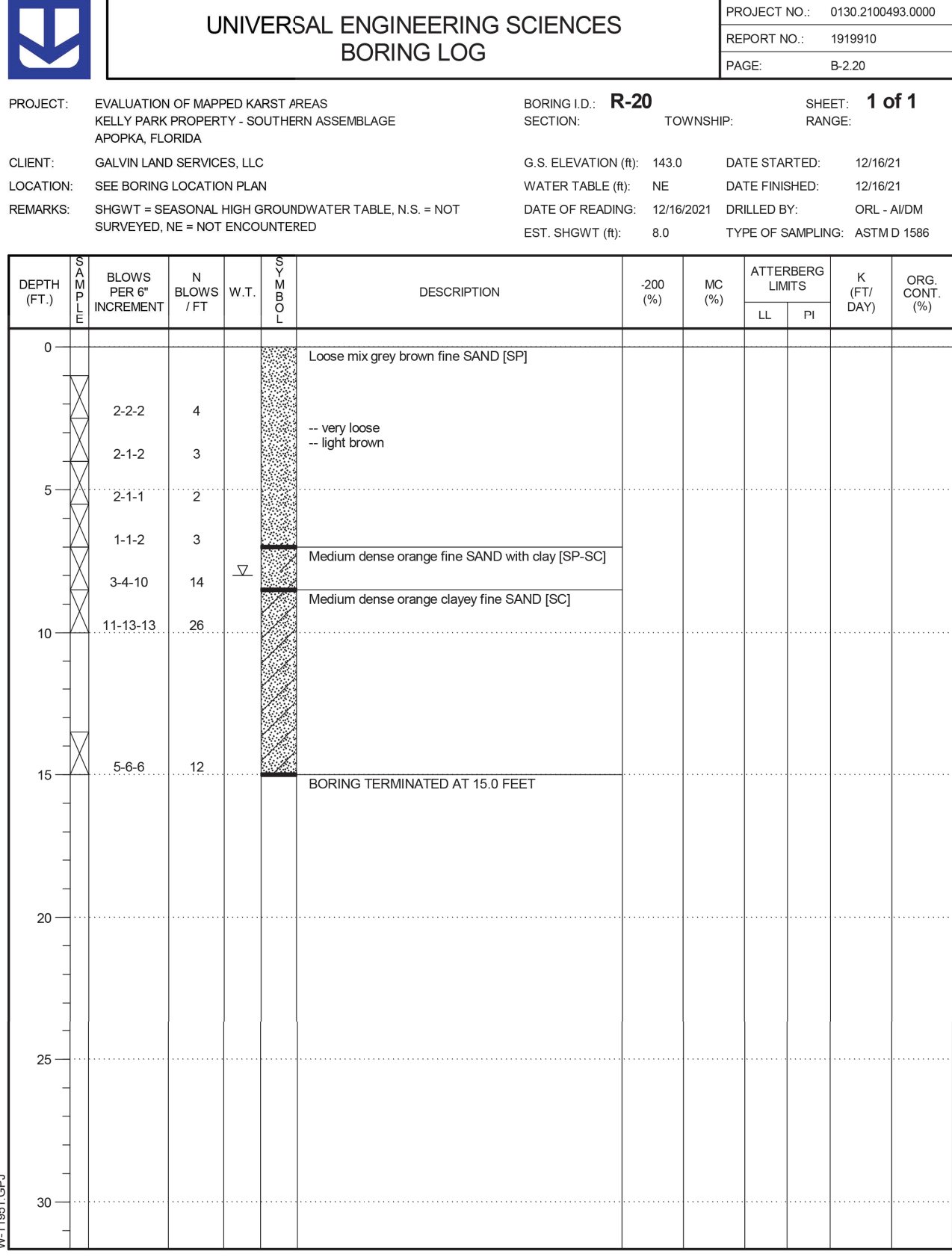
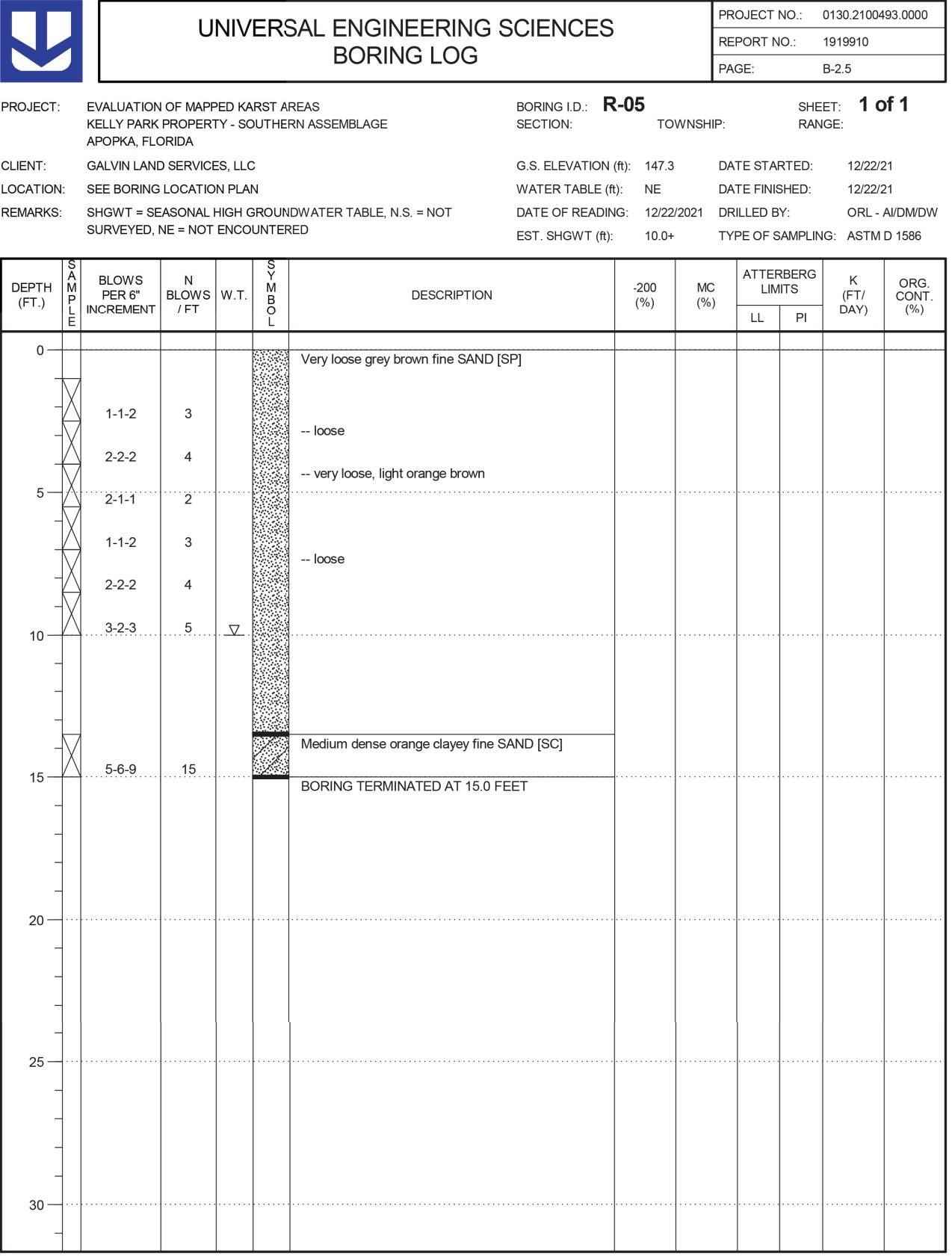
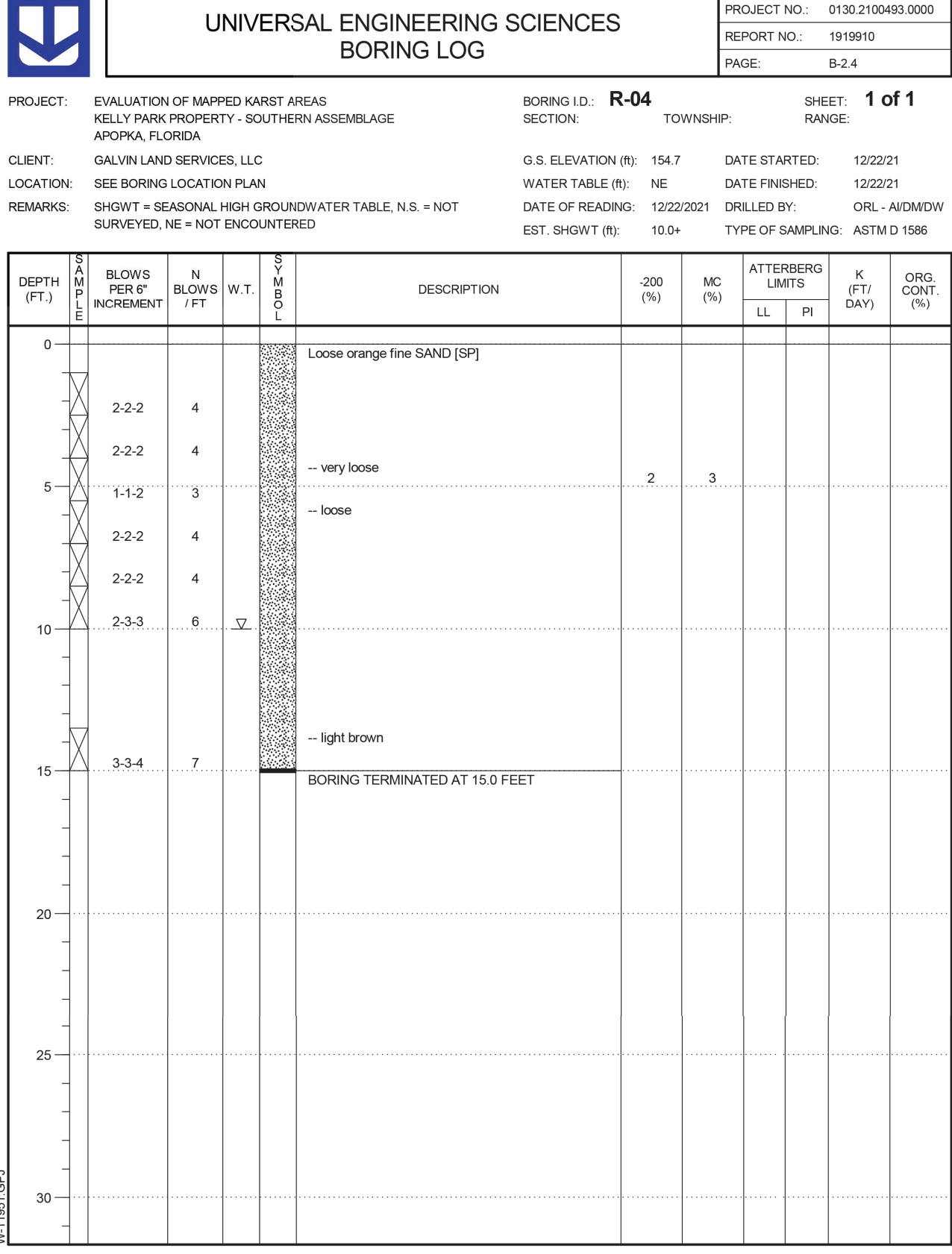
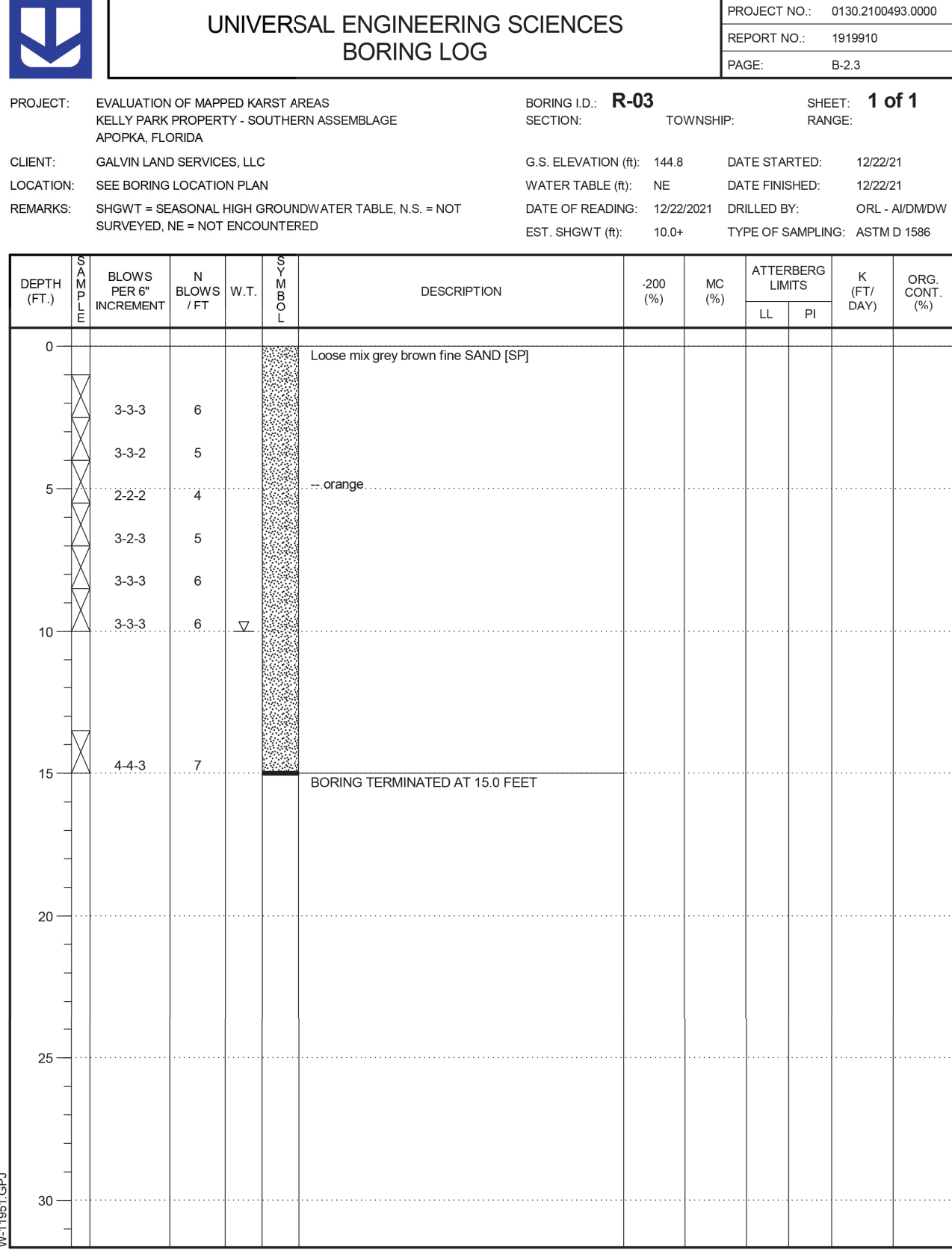
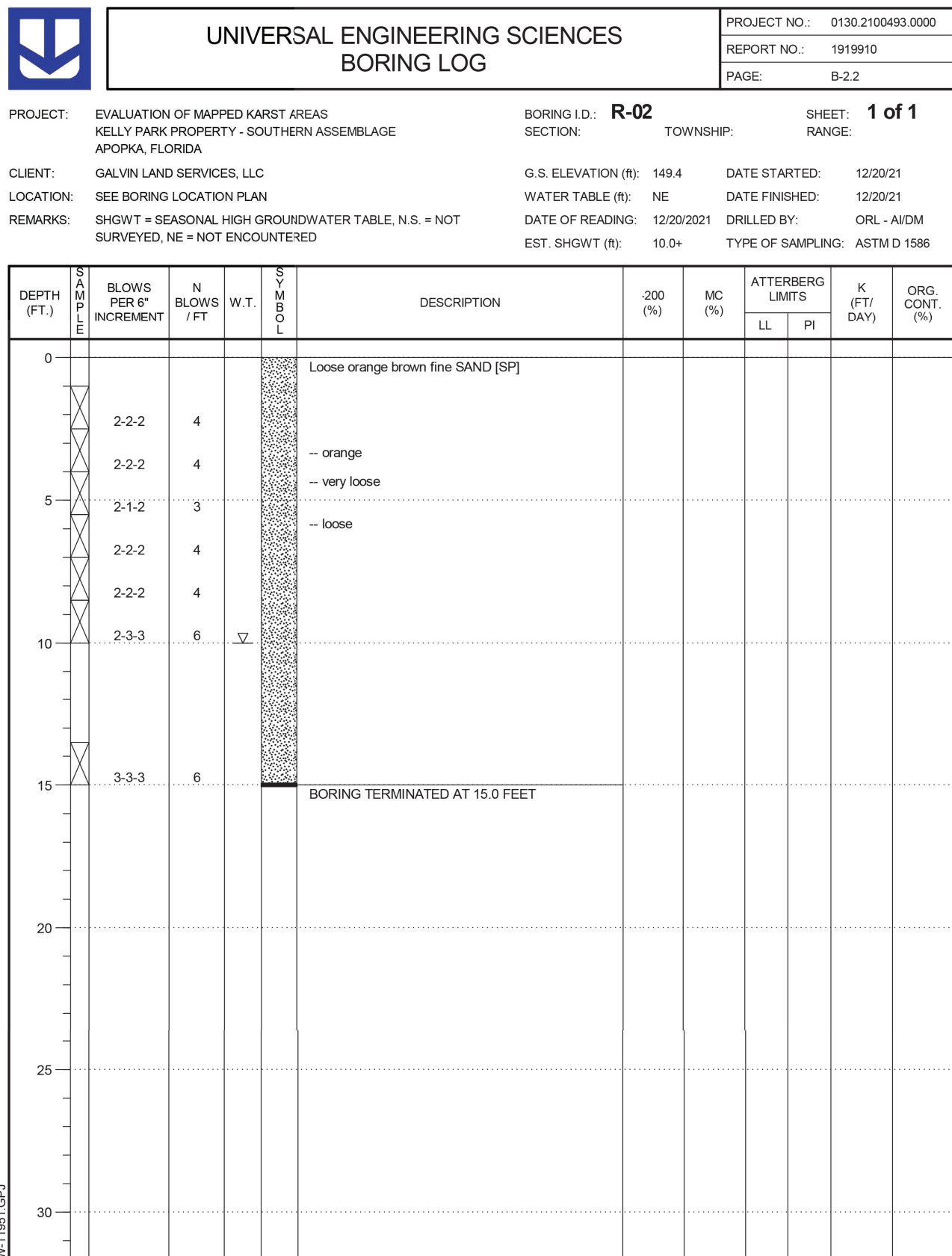
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EVALUATION OF MAPPED KARST AREAS
KELLY PARK PROPERTY - SOUTHERN ASSEMBLAGE
APOPKA, ORANGE COUNTY, FLORIDA

BORING LOCATION PLAN

FOR: GALVIN LAND SERVICES, LLC

DRAWN BY: N.F.	DATE: 2 - 1 - 2023
CHECKED BY: Z.W.A.	DATE: -
REPORT NO: 1915768	SCALE: AS SHOWN
PROJECT NO: 0130.2100493.0000	



NOTE: THIS PLAN IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY.
CONTRACTOR SHALL REFER TO UES REPORT NO. 1985238, DATED
OCTOBER 26, 2022, FOR ADDITIONAL SOIL INFORMATION.

2 03/05/2025 RESUBMIT TO CITY OF APOPKA

1 01/03/2024 RESUBMIT TO CITY OF APOPKA

10/23/2023 SUBMIT TO CITY OF APOPKA

NO. DATE DESCRIPTIONS

SUBMISSIONS/REVISIONS

VERTICAL DATUM: NAVD 88

JOB NO.: 21-175

DESIGNED BY: KML

DRAWN BY: KML

CHECKED BY: MDS

APPROVED BY: MDS

SCALE IN FEET: N/A

Project Name:

**CROSSROADS AT
KELLY PARK -
PHASES 2A-1 & 2A-2**

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
SOIL BORINGS

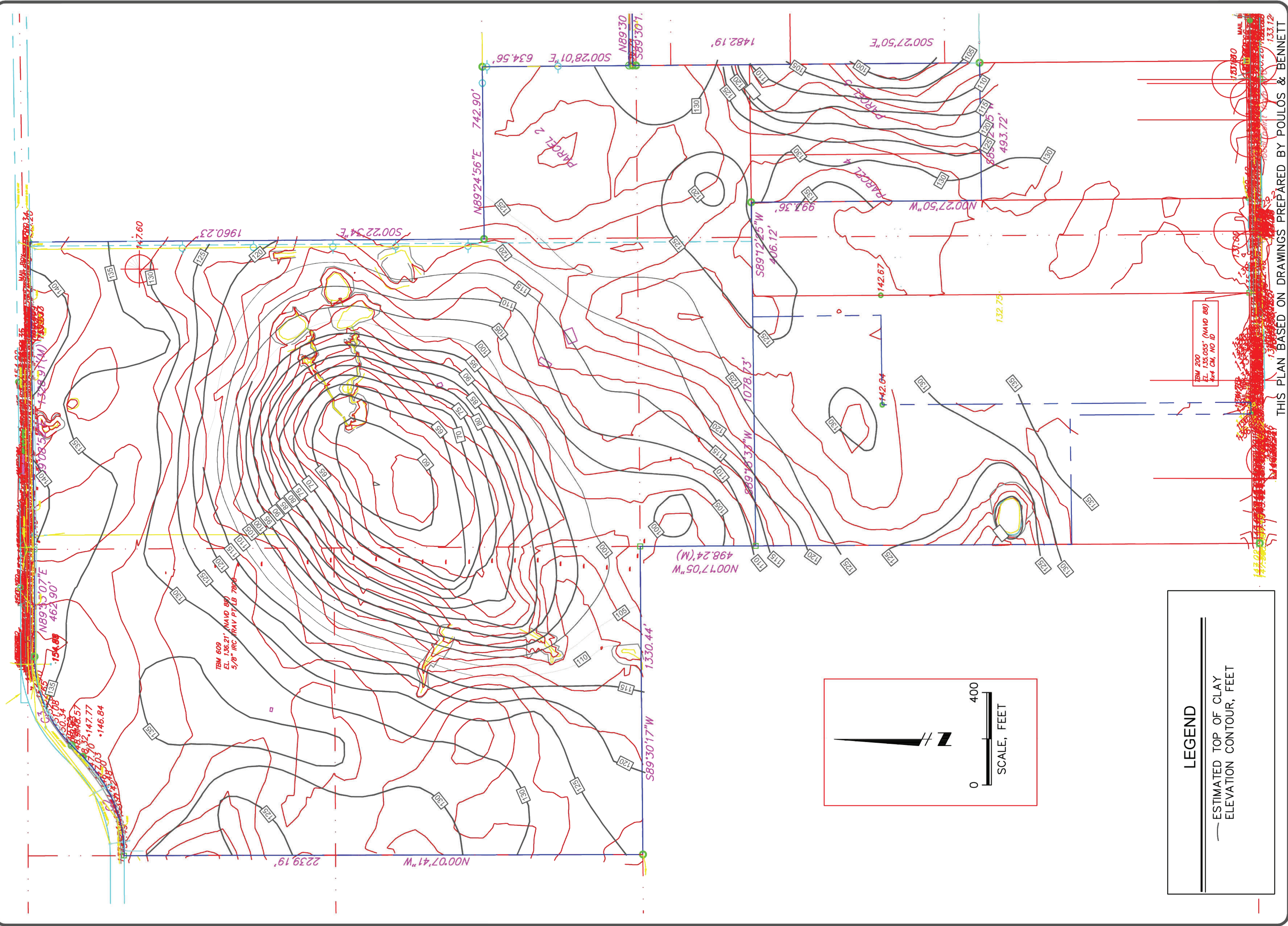
Sheet No.:
C3.11

DATE: March 5, 2025

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Eng. Bus. No. 28567

22-0566-02



THIS PLAN BASED ON DRAWINGS PREPARED BY POULOS & BENNETT



UNIVERSAL
ENGINEERING SCIENCES

FOR: GAL VIN LAND SERVICES, LLC

DESIGNED BY: R.K.

CHECKED BY: A.W.

REPORT NO: --

PROJECT NO: 0130 2200422.0000

DATE: 2-27-2023

DATE: 2-27-2023

SCALE: AS SHOWN

GEOTECHNICAL EXPLORATION
KELLY PARK PROPERTY
APOPKA, ORANGE COUNTY, FLORIDA

TOP OF CLAY CONTOUR MAP

PAGE NO:

A-1

Key Map:

2	03/05/2025	RESUBMIT TO CITY OF APOPKA
1	01/05/2024	RESUBMIT TO CITY OF APOPKA
1	10/23/2023	SUBMIT TO CITY OF APOPKA
NO.	DATE	DESCRIPTIONS
SUBMISSIONS/REVISIONS		
VERTICAL DATUM:		NAVD 88
JOB NO.:		21-175
DESIGNED BY:		KML
DRAWN BY:		KML
CHECKED BY:		MDS
APPROVED BY:		MDS
SCALE IN FEET:		1" = 150'
Project Name:		

CROSSROADS AT
KELLY PARK -
PHASES 2A-1 & 2A-2

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
CLAY CONTOUR
MAP

Sheet No.:
C3.20

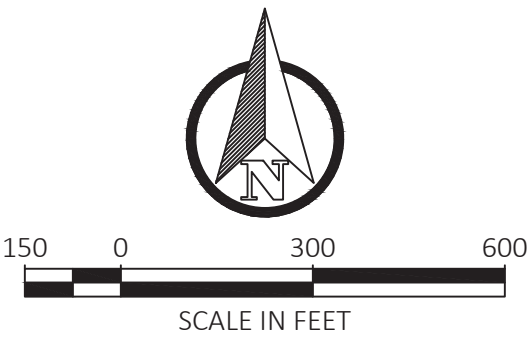
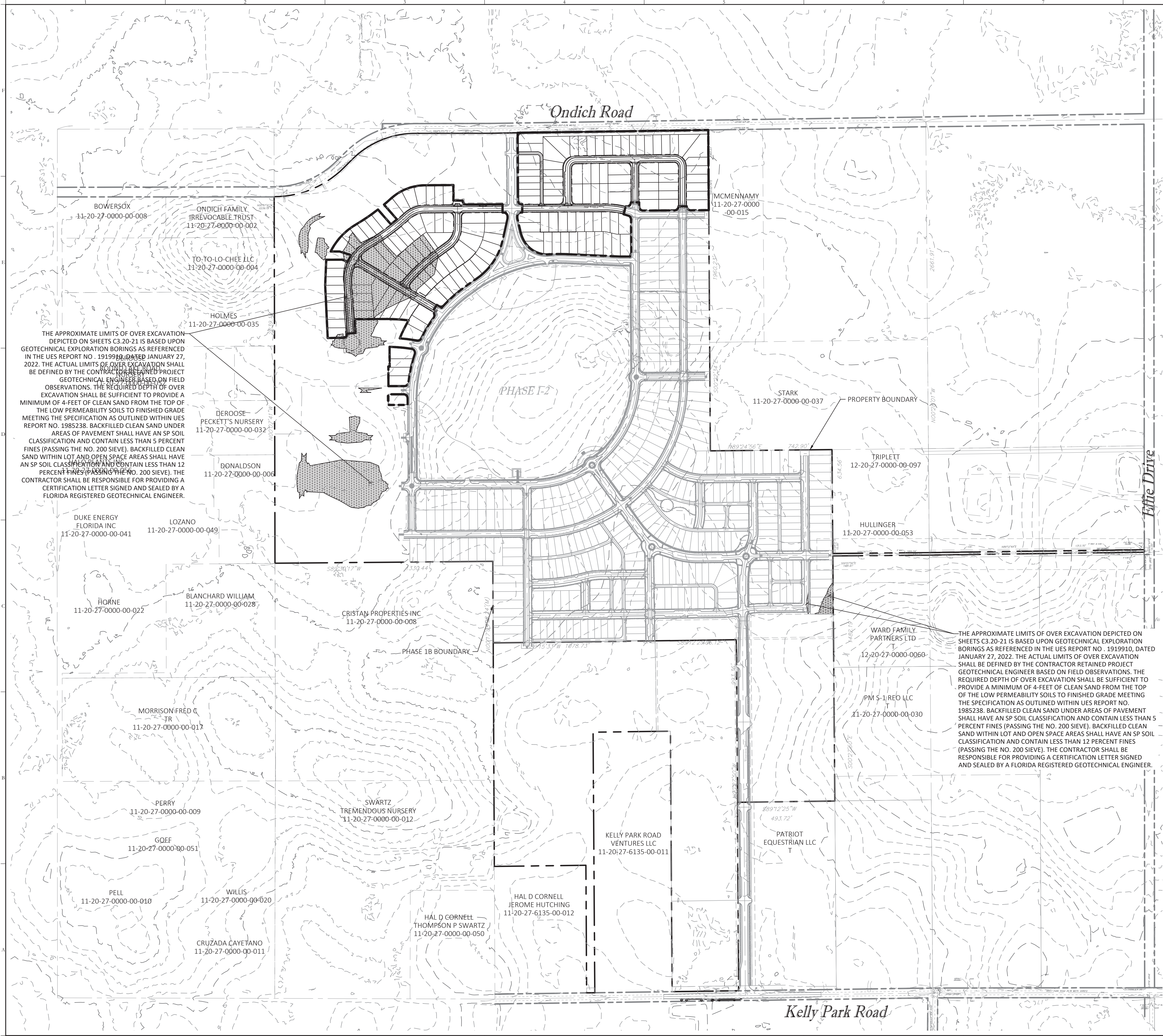
DATE: March 5, 2025

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Page 125 of 156

Z:\2021\21-027 GALVIN - KELLY PARK PARCELS\040 FINAL CITY PHASE 1-2A\21-027-PHASE 1-2A-06P



Grading Legend	
Symbol	Description
	EXISTING CONTOUR
	AREA OF OVEREXCAVATION

Key Map:



2	03/05/2025	RESUBMIT TO CITY OF APOPKA
1	01/05/2024	RESUBMIT TO CITY OF APOPKA
-	10/23/2023	SUBMIT TO CITY OF APOPKA
NO.	DATE:	DESCRIPTIONS:
SUBMISSIONS/REVISIONS		
VERTICAL DATUM:		NAVD 88
JOB NO.:		21-175
DESIGNED BY:		KML
DRAWN BY:		KML
CHECKED BY:		MDS
APPROVED BY:		MDS
SCALE IN FEET:		1" = 300'
Project Name:		

CROSSROADS AT KELLY PARK - PHASES 2A-1 & 2A-2

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
OVER EXCAVATION
PLAN

Sheet No.:
C3.21

Seal:

DATE: March 5, 2025

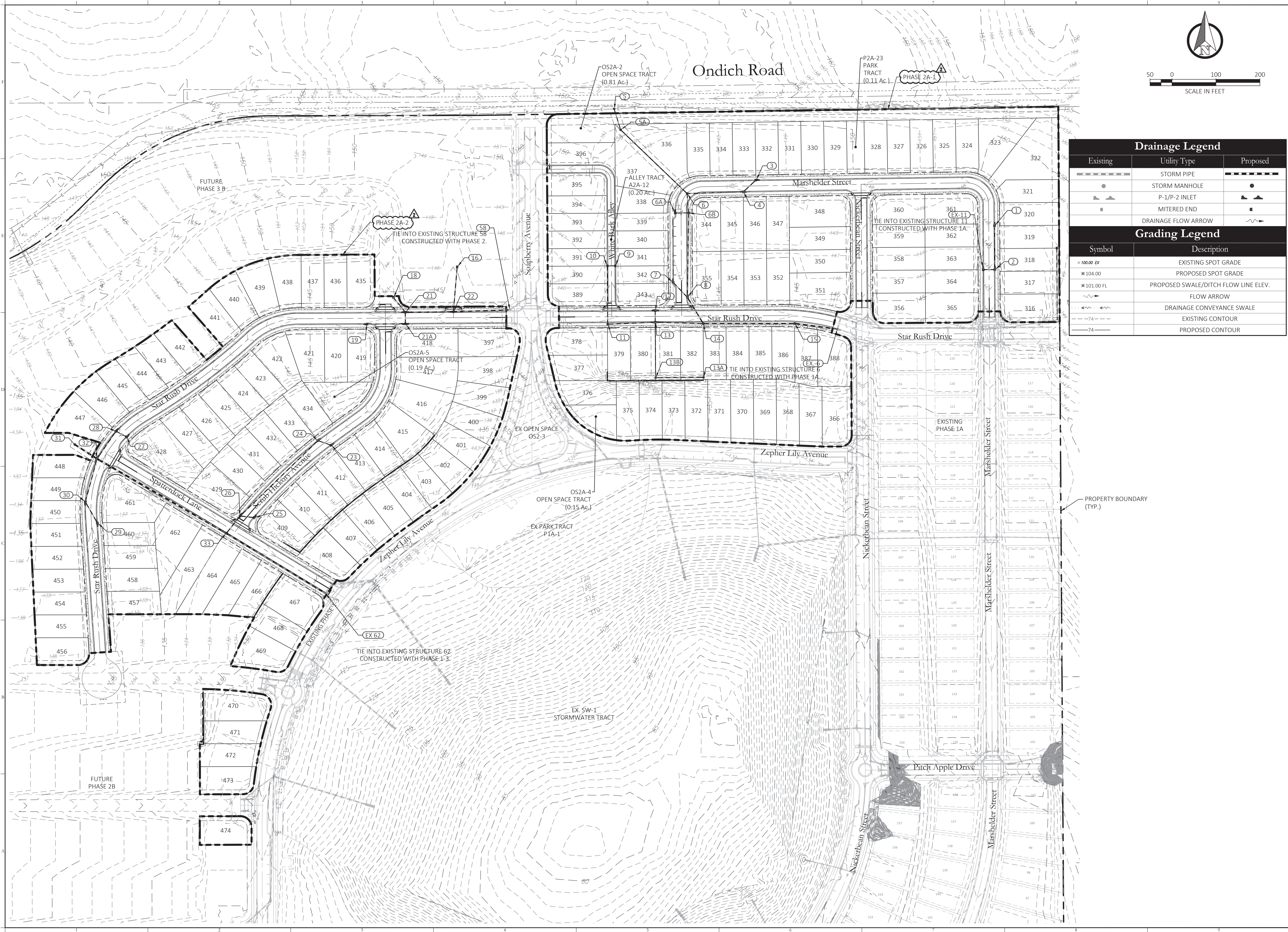
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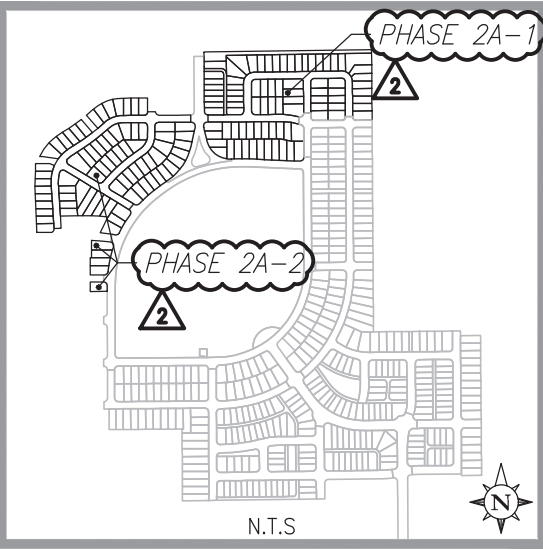
NOTE
THIS PLAN IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY AND REPRESENTS OVER EXCAVATION AS PROPOSED WITHIN THE CROSSROADS AT KELLY PARK PHASE 1-2, 1-3, 2 AND MASS GRADING CONSTRUCTION SITE PLANS. CONTRACTOR SHALL VERIFY THAT OVER EXCAVATION WITHIN PHASE 1B HAS BEEN PERFORMED AND SHALL NOTIFY ENGINEER IF OTHERWISE.

Z:\2021\21-027 GALVIN - KELLY PARK PARCELS\CAD\FINAL\CITY\PHASE 1-2A\21-027-PHASE 1-2A-MDP



Drainage Legend		
Existing	Utility Type	Proposed
	STORM PIPE	
	STORM MANHOLE	
	P-1/P-2 INLET	
	MITERED END	
	DRAINAGE FLOW ARROW	
Grading Legend		
Symbol	Description	
100.00 EX	EXISTING SPOT GRADE	
104.00	PROPOSED SPOT GRADE	
101.00 FL	PROPOSED SWALE/DITCH FLOW LINE ELEV.	
	FLOW ARROW	
	DRAINAGE CONVEYANCE SWALE	
	EXISTING CONTOUR	
	PROPOSED CONTOUR	

Key Map:



2	03/05/2025	RESUBMIT TO CITY OF APOPKA
1	01/05/2024	RESUBMIT TO CITY OF APOPKA
1	10/23/2023	SUBMIT TO CITY OF APOPKA
NO. DATE DESCRIPTIONS		
SUBMISSIONS/REVISIONS		
VERTICAL DATUM:		NAVD 88
JOB NO.:		21-175
DESIGNED BY:		KML
DRAWN BY:		KML
CHECKED BY:		MDS
APPROVED BY:		MDS
SCALE IN FEET:		1" = 100'
Project Name:		

CROSSROADS AT KELLY PARK - PHASES 2A-1 & 2A-2

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
**MASTER DRAINAGE
PLAN**

Sheet No.:
C4.00

Seal:

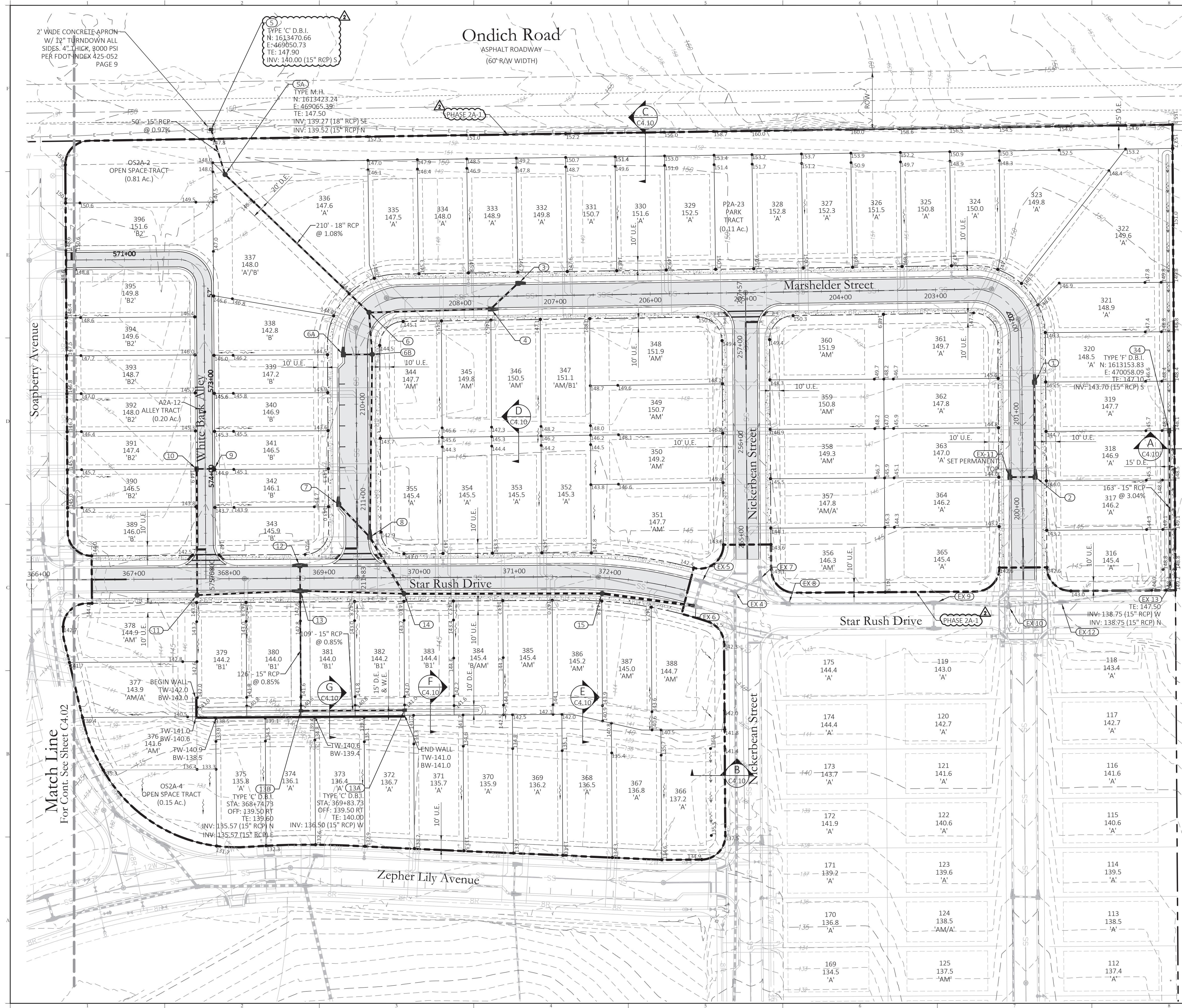
Marc Daniel Stehlil
Professional Engineer
DATE: March 5, 2025

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Z:\2021\21-027 GALVIN - KELLY PARK PARCELS\CD\FINAL\CD\PHASE 1-2A\21-027-PHASE 1-2A-03P

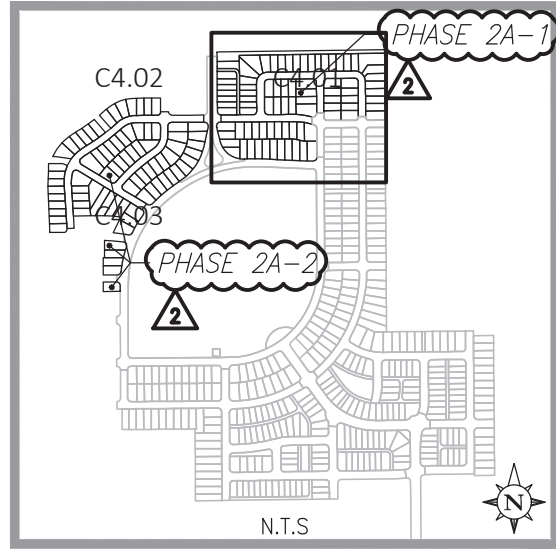


Drainage Legend		
Existing	Utility Type	Proposed
	STORM PIPE	
	STORM MANHOLE	
	P-1/P-2 INLET	
	MITERED END	
	DRAINAGE FLOW ARROW	

Grading Legend	
Symbol	Description
	EXISTING SPOT GRADE
	PROPOSED SPOT GRADE
	PROPOSED SWALE/DITCH FLOW LINE ELEV.
	FLOW ARROW
	DRAINAGE CONVEYANCE SWALE
	EXISTING CONTOUR
	PROPOSED CONTOUR

- NOTES:
- ELEVATIONS SHOWN WITHIN EACH HOUSE PAD REPRESENT THE DESIGNED FINISH FLOOR ELEVATION. CONTRACTOR TO SET FINISHED DIRT GRADE 8" BELOW THE FINISHED FLOOR ELEVATION AND COMPACTED TO 95% OF MODIFIED PROCTOR AASHTO T-180.
 - THE SIZE AND LOCATION OF THE HOUSE PADS SHOWN ARE ONLY SCHEMATIC AND SHOULD NOT BE USED FOR FINAL HOME BUILDING LAYOUT AND CONSTRUCTION.
 - EXISTING TOPO SOURCE SHOWN ON THIS PLAN BASED ON APPROVED MASS GRADING PLANS AS DEPICTED IN THE CROSS ROADS AT KELLY PARK PH 1-2, 1-3, 2 MASTER INFRASTRUCTURE AND MASS GRADING PLANS.
 - INDIVIDUAL HOMES ARE TO BE CONSTRUCTED WITHIN THE SETBACKS SHOWN AND TO THE DESIGN FINISHED FLOOR ELEVATION. IF THE BUILDER DESIRES TO BUILD THE HOUSE IN AN ALTERNATE LOCATION OR BUILD A HOUSE LARGER THAN THE ENVELOPE PROVIDED, THE PROPOSED CHANGES MUST BE RE-SUBMITTED TO CITY OF APOPKA FOR APPROVAL. INDIVIDUAL HOME BUILDERS PROPOSING BUILDINGS INCONSISTENT WITH THE BUILDING PAD LOCATIONS AND FINISHED FLOOR ELEVATIONS SHOWN WILL BE RESPONSIBLE FOR PROVIDING FINAL LOT GRADING THAT PROVIDES POSITIVE DRAINAGE AWAY FROM THE HOUSE AND DOES NOT HAVE ADVERSE IMPACTS ON ADJACENT LOTS.
 - ALL LOTS HAVE BEEN DESIGNED UTILIZING A 1.0% MINIMUM SLOPE. MINIMUM HOUSE PADS HAVE BEEN SET AT THE GREATER OF 18" ABOVE THE FRONTING CENTERLINE OF THE ROADWAY/ALLEY OR 1-FT ABOVE THE 100-YR/24-HR STORM ELEVATION FOR THE RESPECTIVE BASIN.
 - ALL BACKYARD AND ENVIRONMENTAL SWALES LOCATED WITHIN PHASE SHALL BE CONSTRUCTED AS PART OF THE MASTER SURFACE WATER MANAGEMENT SYSTEM, NOT BY INDIVIDUAL LOT OWNERS.
 - SIDEWALKS AND CURB RAMPS AS SHOWN ARE REQUIRED FOR THE CITY OF APOPKA CERTIFICATION OF COMPLETION FOR INFRASTRUCTURE. CURB RAMPS SHALL BE PROVIDED AT EVERY INTERSECTION AND SIDEWALKS SHALL BE PROVIDED PER ROADWAY CROSS SECTIONS ADJACENT TO ALL RIGHT-OF-WAYS AND SHALL BE INSTALLED WITH SITE INFRASTRUCTURE WHEN ADJACENT TO COMMON AREAS OR DURING VERTICAL CONSTRUCTION OF HOMES WHEN ADJACENT TO LOTS. HANDICAP RAMPS AT ALL INTERSECTIONS OF THE SIDEWALK AND PAVEMENT SHALL MEET CITY OF APOPKA AND A.D.A. SPECIFICATIONS.
 - THE SECONDARY STORM SEWER HAS BEEN DESIGNED TO PROVIDE A MINIMUM OF 6" SEPARATION BETWEEN THE CURB GUTTER ELEVATION AND THE STORM WATER HYDRAULIC GRADE LINE.

Key Map:



2/03/05/2025	RESUBMIT TO CITY OF APOPKA
1/01/05/2024	RESUBMIT TO CITY OF APOPKA
10/23/2023	SUBMIT TO CITY OF APOPKA
NO. DATE:	DESCRIPTIONS:
SUBMISSIONS/REVISIONS	
VERTICAL DATUM:	NAVD 88
JOB NO.:	21-175
DESIGNED BY:	KML
DRAWN BY:	KML
CHECKED BY:	MDS
APPROVED BY:	MDS
SCALE IN FEET:	1" = 50'

CROSSROADS AT
KELLY PARK -
PHASES 2A-1 & 2A-2

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
GRADING &
DRAINAGE PLAN

Sheet No.:
C4.01

Seal:
MARC DANIEL STEHLI
LICENSE
No. 52784
STATE OF
FLORIDA
Professional Engineer
March 5, 2025

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Grading Legend	
Symbol	Description
100.00 EX	EXISTING SPOT GRADE
⌘ 104.00	PROPOSED SPOT GRADE
⌘ 101.00 FL	PROPOSED SWALE/DITCH FLOW LINE ELEV.
	FLOW ARROW
	DRAINAGE CONVEYANCE SWALE
—74—	EXISTING CONTOUR
—74—	PROPOSED CONTOUR

Symbol

NOTES:

- | | | |
|-------------------------|------------|----------------------------|
| 2 | 03/05/2025 | RESUBMIT TO CITY OF APOPKA |
| 1 | 01/03/2024 | RESUBMIT TO CITY OF APOPKA |
| - | 10/23/2023 | SUBMIT TO CITY OF APOPKA |
| NO. DATE: DESCRIPTIONS: | | |
| SUBMISSIONS/REVISIONS | | |
| VERTICAL DATUM: | | NAVD 88 |
| JOB NO.: | | 21-175 |
| DESIGNED BY: | | KML |
| DRAWN BY: | | KML |
| CHECKED BY: | | MDS |
| APPROVED BY: | | MDS |
| SCALE IN FEET: | | 1" = 50' |

Jurisdiction:
CITY of APOPKA, FL

Sheet No.: **C4.02**

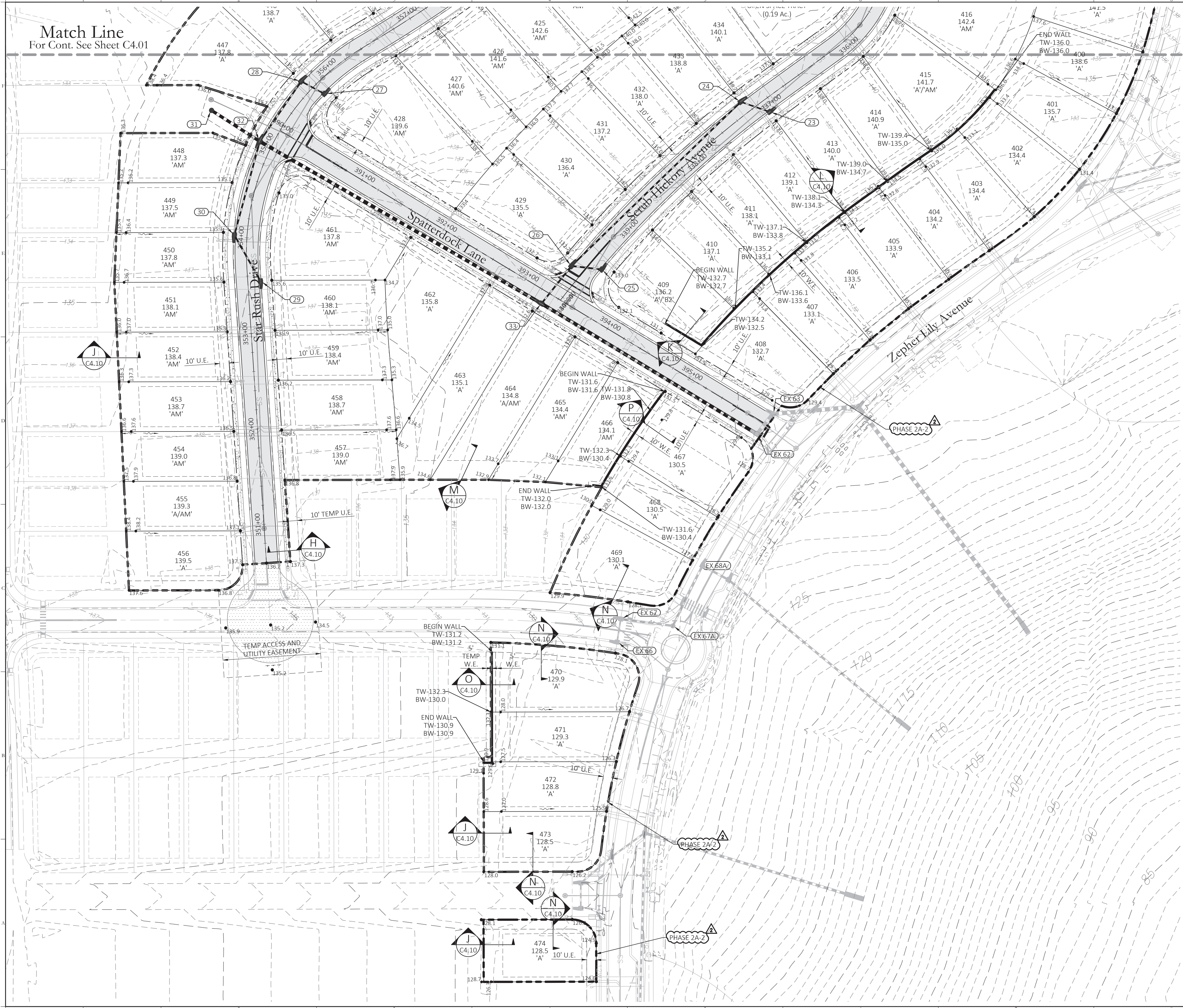
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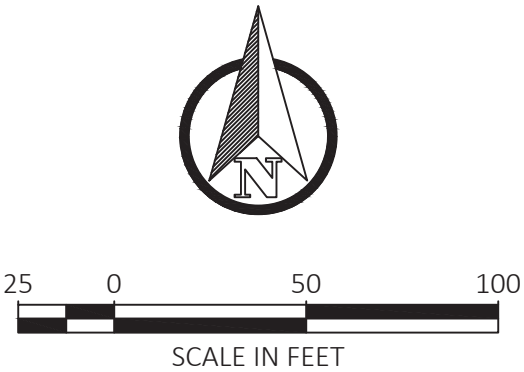
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Z:\2021\21-027 GALVIN - KELLY PARK PARCELS\CD\FINAL\CD\PHASE 1-2A\21-027-PHASE 1-2A-GDP



Match Line
For Cont. See Sheet C4.01

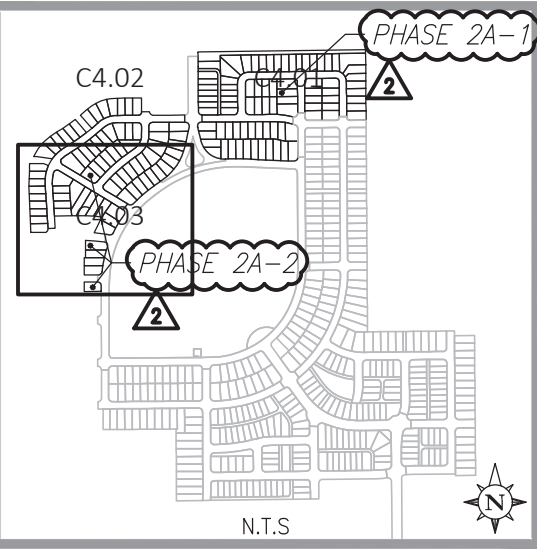


Drainage Legend		
Existing	Utility Type	Proposed
	STORM PIPE	
	STORM MANHOLE	
	P-1/P-2 INLET	
	MITERED END	
	DRAINAGE FLOW ARROW	

Grading Legend	
Symbol	Description
	EXISTING SPOT GRADE
	PROPOSED SPOT GRADE
	PROPOSED SWALE/DITCH FLOW LINE ELEV.
	FLOW ARROW
	DRAINAGE CONVEYANCE SWALE
	EXISTING CONTOUR
	PROPOSED CONTOUR

- NOTES:
- ELEVATIONS SHOWN WITHIN EACH HOUSE PAD REPRESENT THE DESIGNED FINISH FLOOR ELEVATION. CONTRACTOR TO SET FINISHED DIRT GRADE 8" BELOW THE FINISHED FLOOR ELEVATION AND COMPACTED TO 95% OF MODIFIED PROCTOR AASHTO T-180.
 - THE SIZE AND LOCATION OF THE HOUSE PADS SHOWN ARE ONLY SCHEMATIC AND SHOULD NOT BE USED FOR FINAL HOME BUILDING LAYOUT AND CONSTRUCTION.
 - EXISTING TOPO SOURCE SHOWN ON THIS PLAN BASED ON APPROVED MASS GRADING PLANS AS DEPICTED IN THE CROSS ROADS AT KELLY PARK PH 1-2, 1-3, 2 MASTER INFRASTRUCTURE AND MASS GRADING PLANS.
 - INDIVIDUAL HOMES ARE TO BE CONSTRUCTED WITHIN THE SETBACKS SHOWN AND TO THE DESIGN FINISHED FLOOR ELEVATION. IF THE BUILDER DESIRES TO BUILD THE HOUSE IN AN ALTERNATE LOCATION OR BUILD A HOUSE LARGER THAN THE ENVELOPE PROVIDED; THE PROPOSED CHANGES MUST BE RE-SUBMITTED TO CITY OF APOPKA FOR APPROVAL. INDIVIDUAL HOME BUILDERS PROPOSING BUILDINGS INCONSISTENT WITH THE BUILDING PAD LOCATIONS AND FINISHED FLOOR ELEVATIONS SHOWN WILL BE RESPONSIBLE FOR PROVIDING FINAL LOT GRADING THAT PROVIDES POSITIVE DRAINAGE AWAY FROM THE HOUSE AND DOES NOT HAVE ADVERSE IMPACTS ON ADJACENT LOTS.
 - ALL LOTS HAVE BEEN DESIGNED UTILIZING A 1.0% MINIMUM SLOPE. MINIMUM HOUSE PADS HAVE BEEN SET AT THE GREATER OF 18" ABOVE THE FRONTING CENTERLINE OF THE ROADWAY/ALLEY OR 1-FT ABOVE THE 100-YR/24-HR STORM ELEVATION FOR THE RESPECTIVE BASIN.
 - ALL BACKYARD AND ENVIRONMENTAL SWALES LOCATED WITHIN PHASE SHALL BE CONSTRUCTED AS PART OF THE MASTER SURFACE WATER MANAGEMENT SYSTEM, NOT BY INDIVIDUAL LOT OWNERS.
 - SIDEWALKS AND CURB RAMPS AS SHOWN ARE REQUIRED FOR THE CITY OF APOPKA CERTIFICATION OF COMPLETION FOR INFRASTRUCTURE. CURB RAMPS SHALL BE PROVIDED AT EVERY INTERSECTION AND SIDEWALKS SHALL BE PROVIDED PER ROADWAY CROSS SECTIONS ADJACENT TO ALL RIGHT-OF-WAYS AND SHALL BE INSTALLED WITH SITE INFRASTRUCTURE WHEN ADJACENT TO COMMON AREAS OR DURING VERTICAL CONSTRUCTION OF HOMES WHEN ADJACENT TO LOTS. HANDICAP RAMPS AT ALL INTERSECTIONS OF THE SIDEWALK AND PAVEMENT SHALL MEET CITY OF APOPKA AND A.D.A. SPECIFICATIONS.
 - THE SECONDARY STORM SEWER HAS BEEN DESIGNED TO PROVIDE A MINIMUM OF 6" SEPARATION BETWEEN THE CURB GUTTER ELEVATION AND THE STORM WATER HYDRAULIC GRADE LINE.

Key Map:



2	03/05/2025	RESUBMIT TO CITY OF APOPKA
1	01/05/2024	RESUBMIT TO CITY OF APOPKA
-	10/23/2023	SUBMIT TO CITY OF APOPKA
NO.	DATE:	DESCRIPTIONS:
SUBMISSIONS/REVISIONS		
VERTICAL DATUM:		NAVD 88
JOB NO.:		21-175
DESIGNED BY:		KML
DRAWN BY:		KML
CHECKED BY:		MDS
APPROVED BY:		MDS
SCALE IN FEET:		1" = 50'
Project Name:		

CROSSROADS AT KELLY PARK - PHASES 2A-1 & 2A-2

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
**GRADING &
DRAINAGE PLAN**

Sheet No.:
C4.03

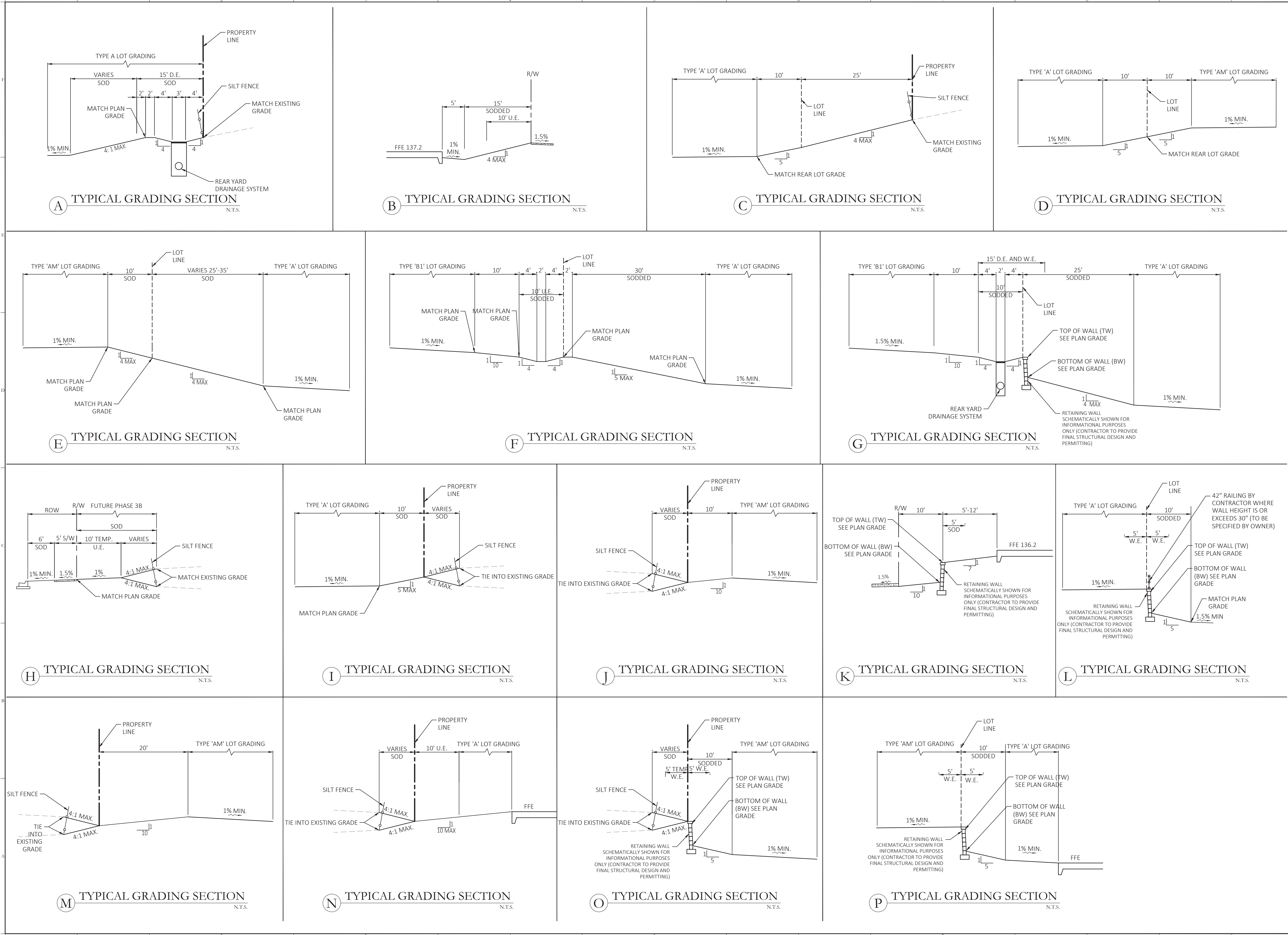
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Z:\2021\21-027 GALVIN - KELLY PARK PARCELS\CAD\FINAL\CITY\PHASE 1-2A\21-027-PHASE 1-2A-SSD



Key Map:

2	03/05/2025	RESUBMIT TO CITY OF APOPKA
1	01/05/2024	RESUBMIT TO CITY OF APOPKA
1	10/23/2023	SUBMIT TO CITY OF APOPKA
NO.	DATE	DESCRIPTIONS
SUBMISSIONS/REVISIONS		
VERTICAL DATUM:		NAVD 88
JOB NO.:		21-175
DESIGNED BY:		KML
DRAWN BY:		KML
CHECKED BY:		MDS
APPROVED BY:		MDS
SCALE IN FEET:		N.T.S.
Project Name:		

**CROSSROADS AT
KELLY PARK -
PHASES 2A-1 & 2A-2**

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
**GRADING SECTIONS
& DETAILS**

Sheet No.:
C4.10

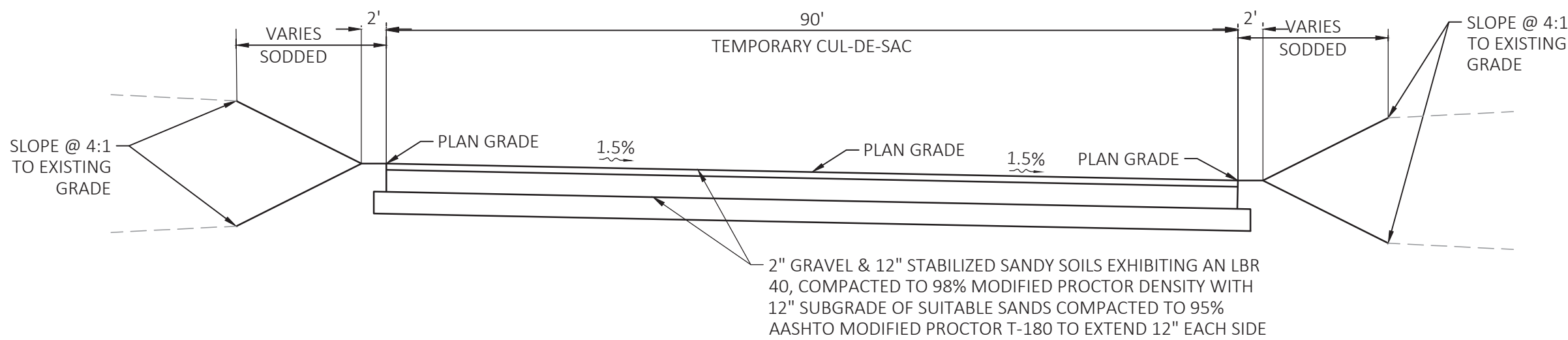
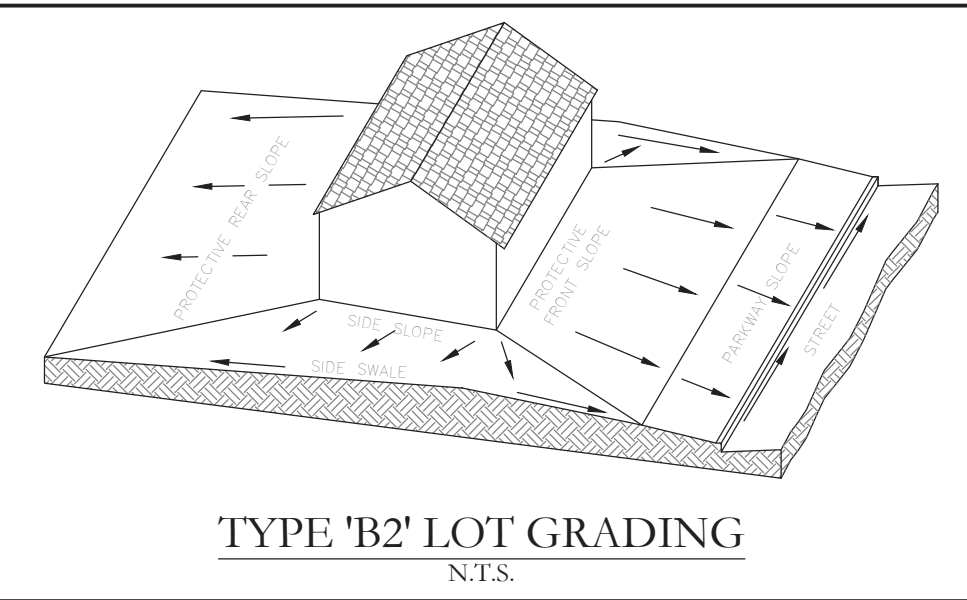
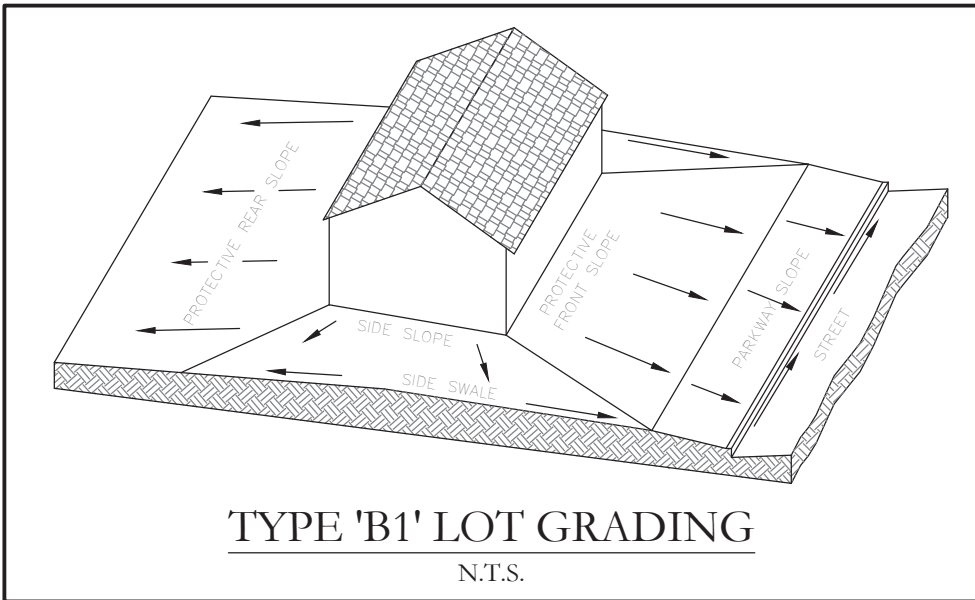
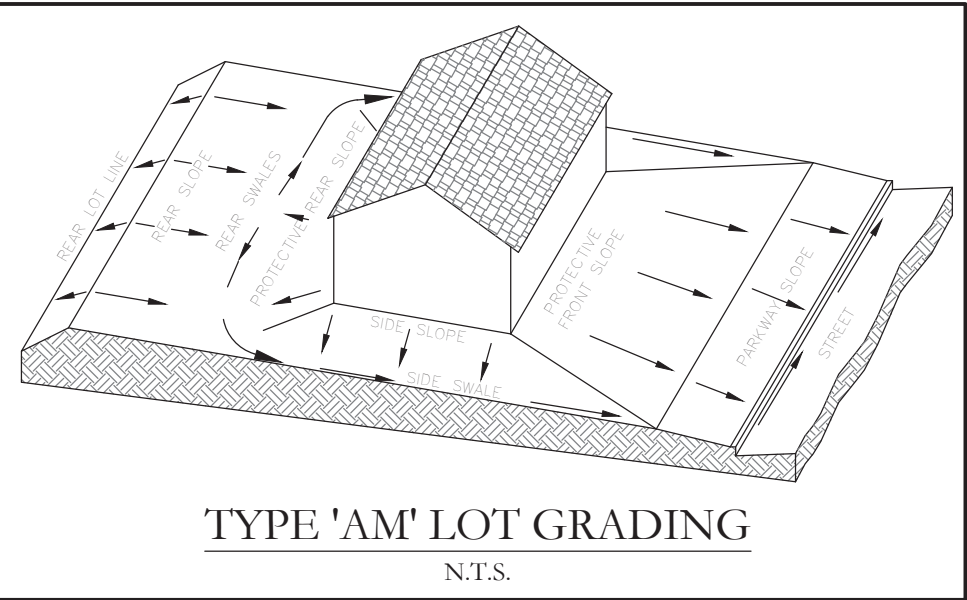
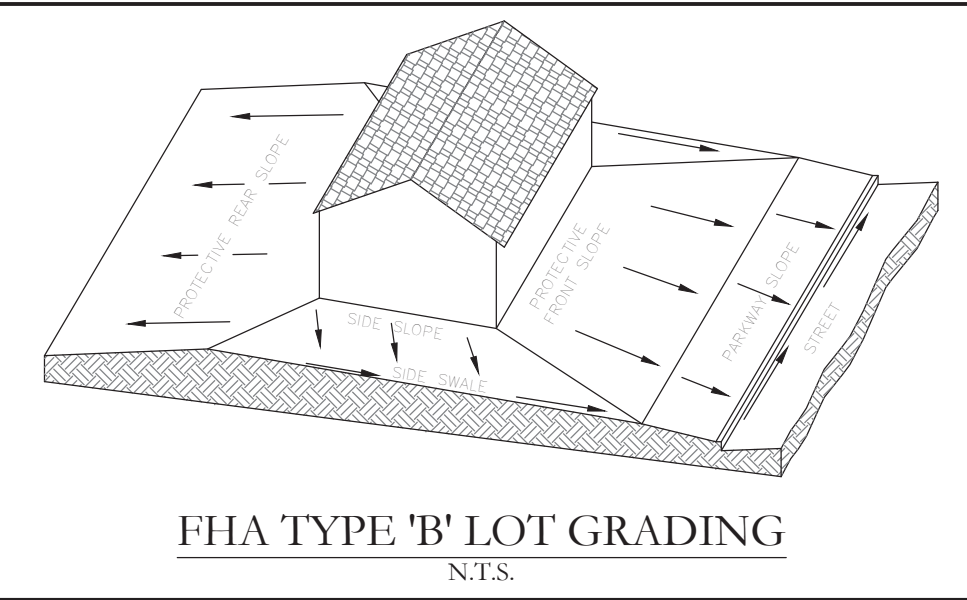
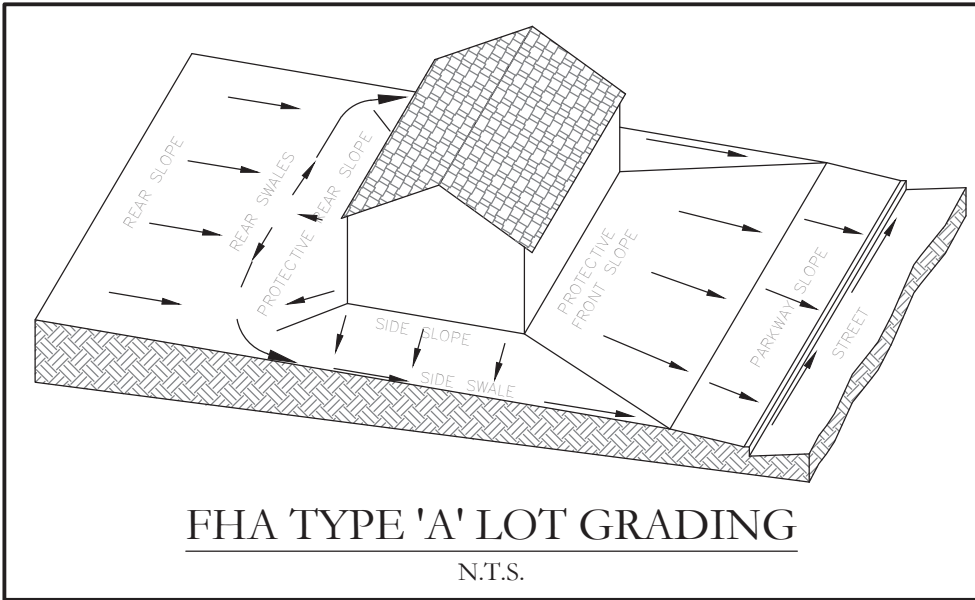
Seal:
MARC DANIEL STEHLI
LICENSE
No. 52781
STATE OF FLORIDA
Professional Engineer
DATE: **March 5, 2025**

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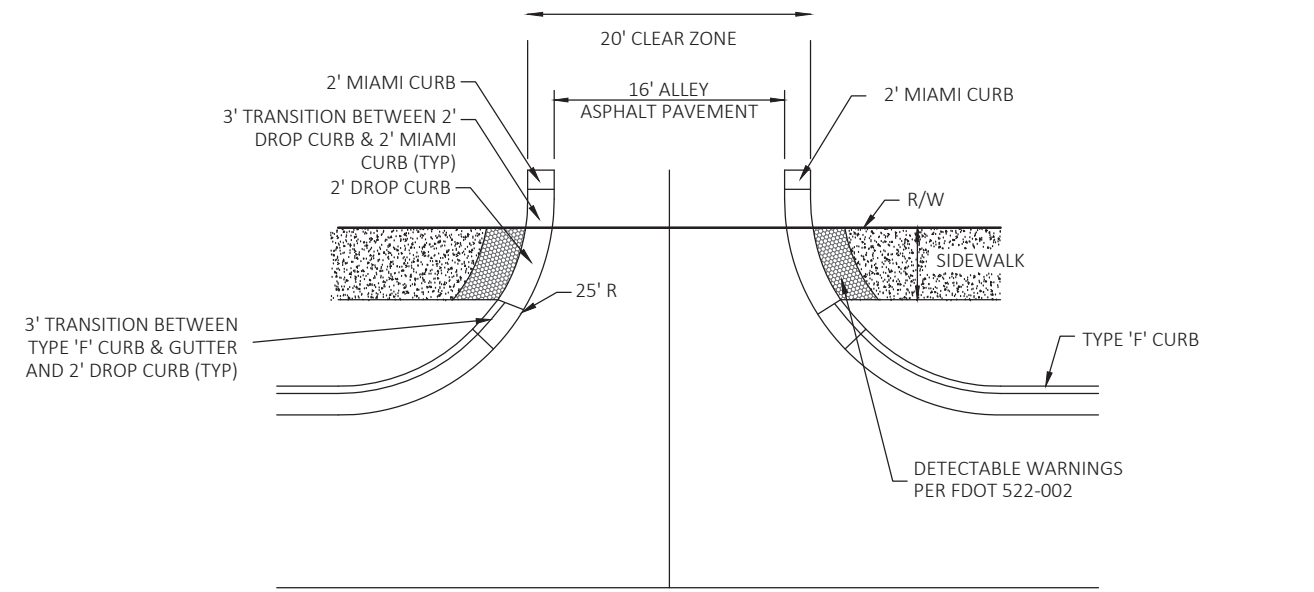
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Eng. Bus. No. 28567

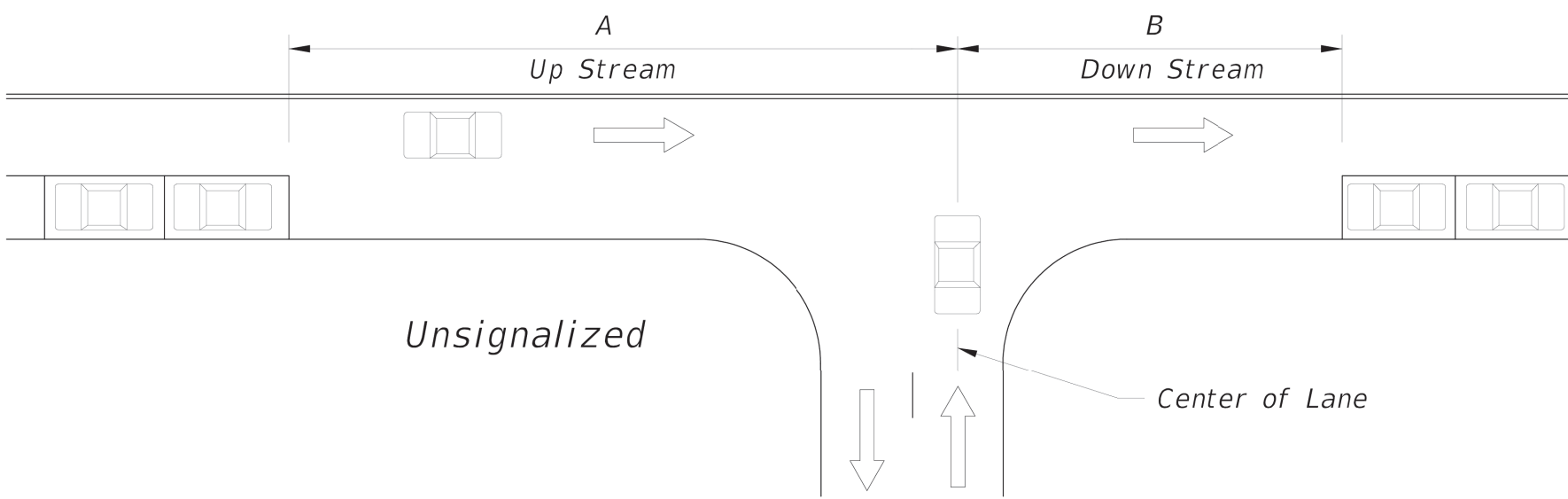
Z:\2021\21-027 GALVIN - KELLY PARK PARCELS\CAD\FINAL\CITY\PHASE 1-2A\21-027-PHASE 1-2A-USD



TEMPORARY STABILIZED CUL-DE-SAC
N.T.S.



TRAVEL LANE AND ALLEY CONNECTION DETAIL
N.T.S.
NOTES:
1. SEE INTERSECTION GRADING, SHEETS C6.00-C6.08 FOR LIMITS OF TYPE 'F' SPILL-OUT CURB IF APPLICABLE.



ON-STREET PARKING RESTRICTIONS DETAIL
N.T.S.

NOTE:
1. PER FDOT DESIGN MANUAL SECTION 212, TABLE 212.11.2 FOR POSTED SPEED <35 MPH

Key Map:

2	03/05/2025	RESUBMIT TO CITY OF APOPKA
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	10/23/2023	SUBMIT TO CITY OF APOPKA
NO.	DATE	DESCRIPTIONS
SUBMISSIONS/REVISIONS		
VERTICAL DATUM:		NAVD 88
JOB NO.:		21-175
DESIGNED BY:		KML
DRAWN BY:		KML
CHECKED BY:		MDS
APPROVED BY:		MDS
SCALE IN FEET:		N.T.S.
Project Name:		

CROSSROADS AT KELLY PARK - PHASES 2A-1 & 2A-2

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
**GRADING SECTIONS
& DETAILS**

Sheet No.:
C4.11

Seal:

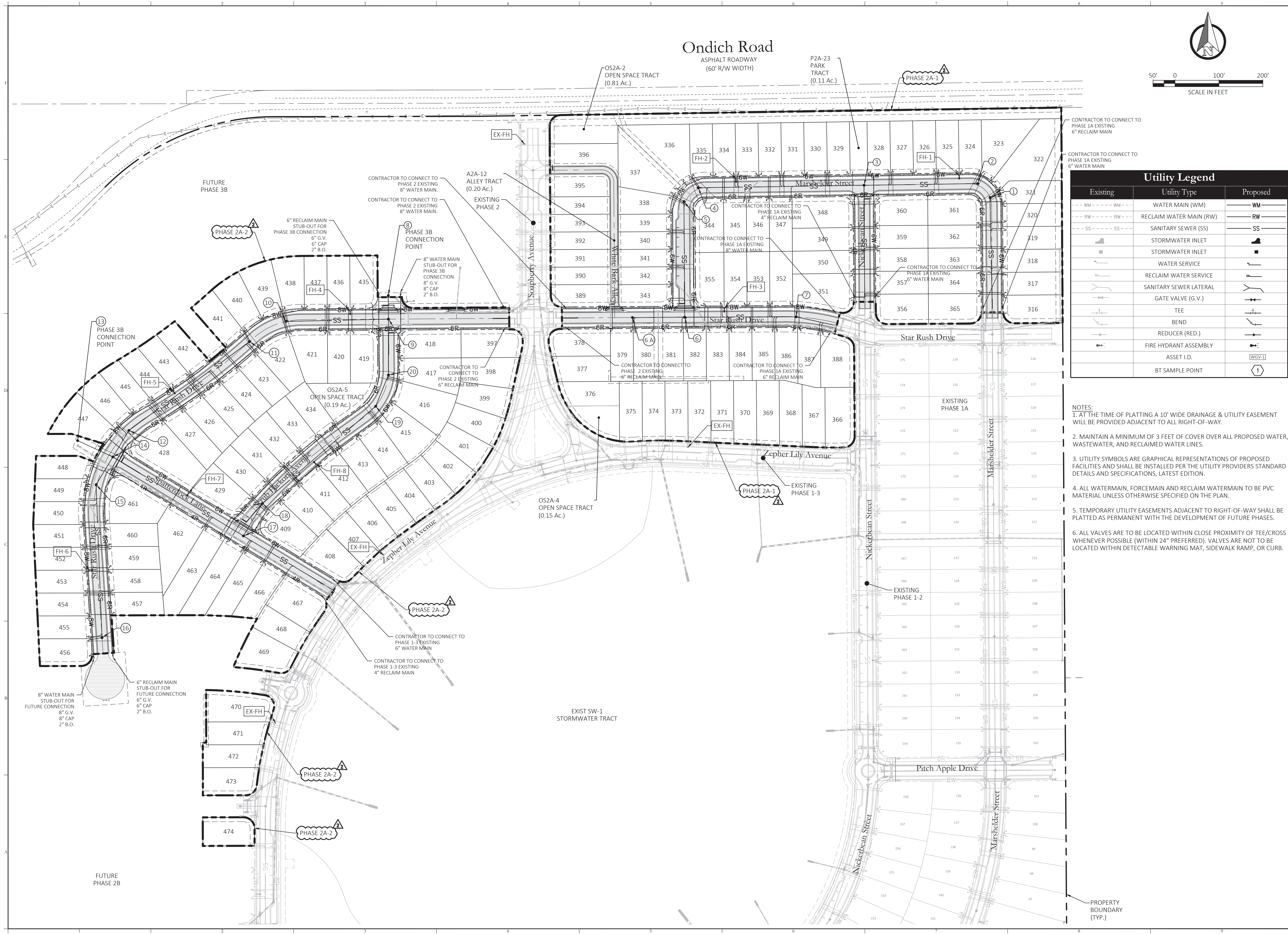
MARC DANIEL STEHLI
P.E. NO. 0652781
DATE: March 5, 2025

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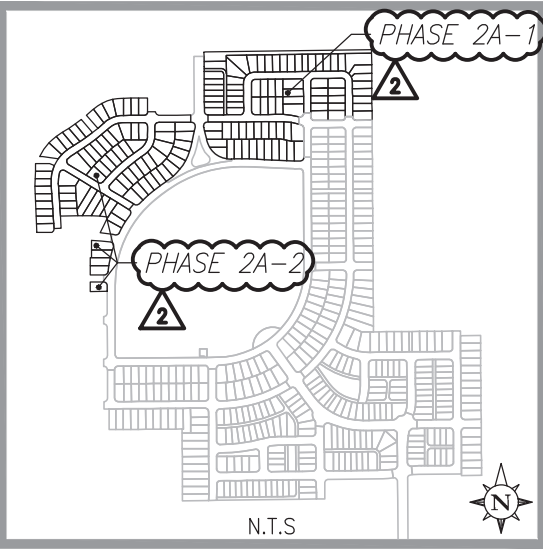
Z:\2021\21-027 GALWIN - KELLY PARK PARCELS\CAD\FINAL\CITY\PHASE 1-2A\21-027-PHASE 1-2A-MUP



Utility Legend		
Existing	Utility Type	Proposed
--- WM ---	WATER MAIN (WM)	WM
--- RW ---	RECLAIM WATER MAIN (RW)	RW
--- SS ---	SANITARY SEWER (SS)	SS
	STORMWATER INLET	
	WATER SERVICE	
	RECLAIM WATER SERVICE	
	SANITARY SEWER LATERAL	
	GATE VALVE (G.V.)	
	TEE	
	REDUCER (RED.)	
	FIRE HYDRANT ASSEMBLY	
	ASSET I.D.	[WGV-1]
	BT SAMPLE POINT	1

NOTES:
1. AT THE TIME OF PLATTING A 10' WIDE DRAINAGE & UTILITY EASEMENT WILL BE PROVIDED ADJACENT TO ALL RIGHT-OF-WAY.
2. MAINTAIN A MINIMUM OF 3 FEET OF COVER OVER ALL PROPOSED WATER, WASTEWATER, AND RECLAIMED WATER LINES.
3. UTILITY SYMBOLS ARE GRAPHICAL REPRESENTATIONS OF PROPOSED FACILITIES AND SHALL BE INSTALLED PER THE UTILITY PROVIDERS STANDARD DETAILS AND SPECIFICATIONS, LATEST EDITION.
4. ALL WATERMAIN, FORCEMAIN AND RECLAIM WATERMAIN TO BE PVC MATERIAL UNLESS OTHERWISE SPECIFIED ON THE PLAN.
5. TEMPORARY UTILITY EASEMENTS ADJACENT TO RIGHT-OF-WAY SHALL BE PLATTED AS PERMANENT WITH THE DEVELOPMENT OF FUTURE PHASES.
6. ALL VALVES ARE TO BE LOCATED WITHIN CLOSE PROXIMITY OF TEE/CROSS WHENEVER POSSIBLE (WITHIN 24" PREFERRED). VALVES ARE NOT TO BE LOCATED WITHIN DETECTABLE WARNING MAT, SIDEWALK RAMP, OR CURB.

Key Map:



2 03/05/2025 RESUBMIT TO CITY OF APOPKA
1 01/05/2024 RESUBMIT TO CITY OF APOPKA
10/23/2023 SUBMIT TO CITY OF APOPKA
NO. DATE DESCRIPTIONS
SUBMISSIONS/REVISIONS
VERTICAL DATUM: NAVD 88
JOB NO.: 21-175
DESIGNED BY: KML
DRAWN BY: KML
CHECKED BY: MDS
APPROVED BY: MDS
SCALE IN FEET: 1" = 100'

CROSSROADS AT KELLY PARK - PHASES 2A-1 & 2A-2

Jurisdiction:
CITY of APOPKA, FL
Sheet Title:
MASTER UTILITY
PLAN

Sheet No.:
C5.00

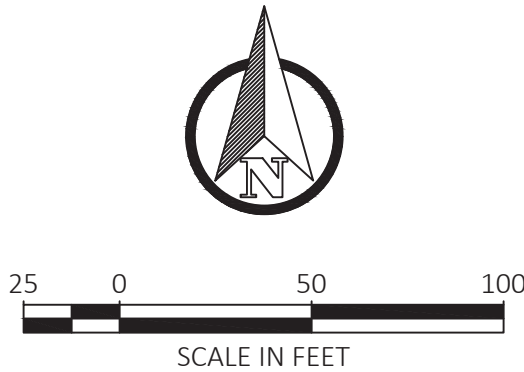
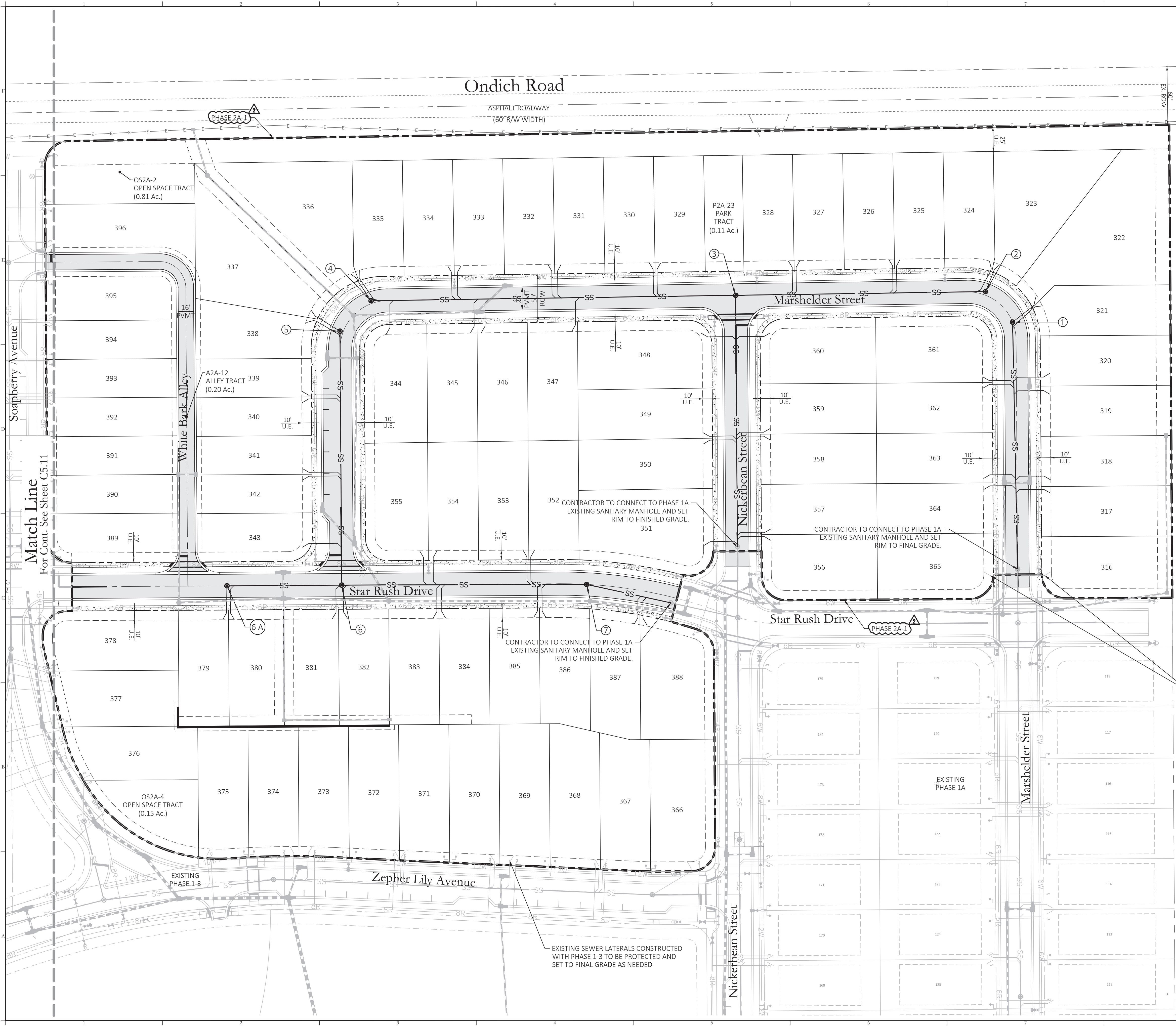
Seal:
MARC DANIEL STEHLI
LICENSE
No. 52784
STATE OF
FLORIDA
Professional Engineer
MARC DANIEL STEHLI
FL NO. 0652784
DATE: March 5, 2025

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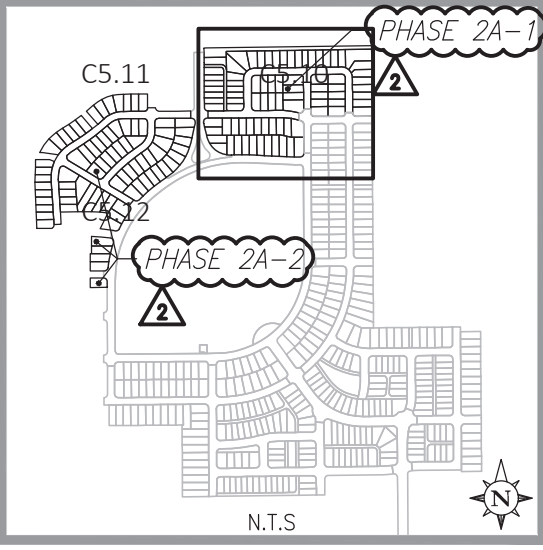


Utility Legend		
Existing	Utility Type	Proposed
--- WM --- WM ---	WATER MAIN (WM)	--- WM ---
--- RW --- RW ---	RECLAIM WATER MAIN (RW)	--- RW ---
--- SS --- SS ---	SANITARY SEWER (SS)	--- SS ---
	STORMWATER INLET	
	WATER SERVICE	
	RECLAIM WATER SERVICE	
	SANITARY SEWER LATERAL	
	GATE VALVE (G.V.)	
	TEE	
	BEND	
	REDUCER (RED.)	
	FIRE HYDRANT ASSEMBLY	
	ASSET I.D.	
	BT SAMPLE POINT	

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EXISTING SEWER LATERALS/ CLEANOUT CONSTRUCTED WITH PHASE 1A TO BE PROTECTED DURING CONSTRUCTION. CONTRACTOR TO SET CLEANOUT TO FINAL FINISHED GRADE.

Key Map:



2	03/05/2025	RESUBMIT TO CITY OF APOPKA
1	01/05/2024	RESUBMIT TO CITY OF APOPKA
	10/23/2023	SUBMIT TO CITY OF APOPKA
NO. DATE DESCRIPTIONS SUBMISSIONS/REVISIONS		
VERTICAL DATUM:		NAVD 88
JOB NO.:		21-175
DESIGNED BY:		KML
DRAWN BY:		KML
CHECKED BY:		MDS
APPROVED BY:		MDS
SCALE IN FEET:		1" = 50'

Project Name:

CROSSROADS AT KELLY PARK - PHASES 2A-1 & 2A-2

Jurisdiction:

CITY of APOPKA, FL

Sheet Title:

WASTEWATER COLLECTION PLAN

Sheet No.:

C5.10

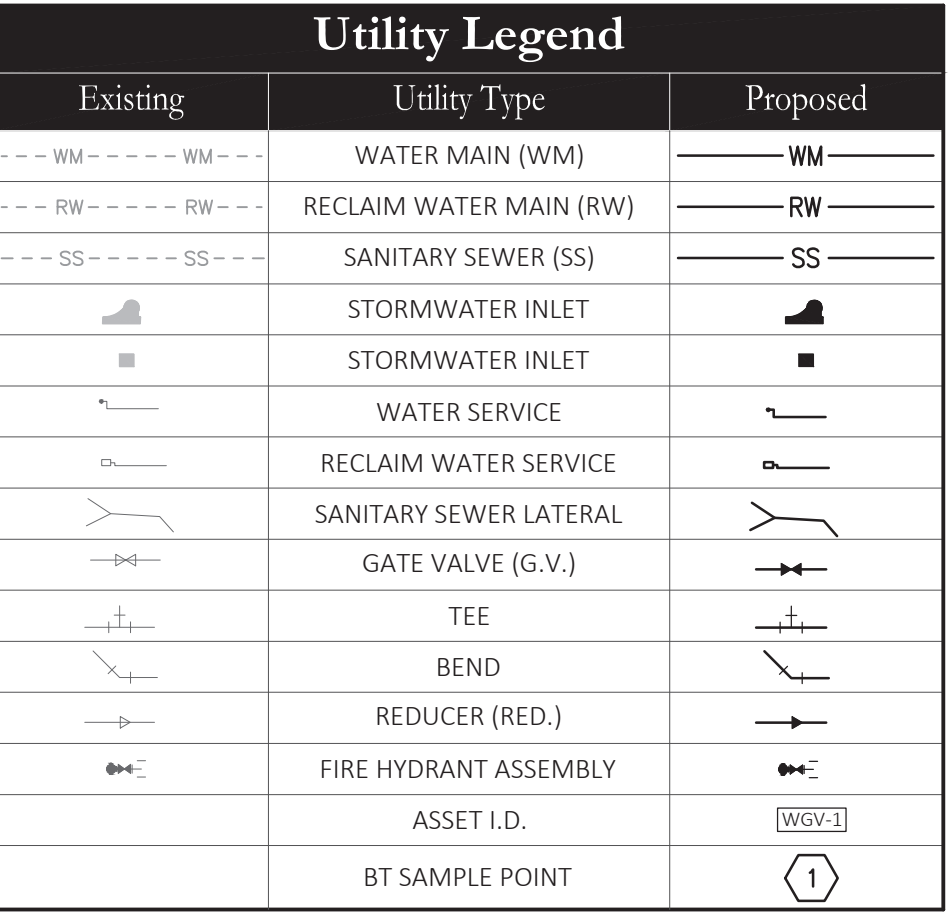
Seal:

MARC DANIEL STEHLI
LICENSE
No. 52784
STATE OF FLORIDA
Professional Engineer
DATE: March 5, 2025

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6. ALL VALVES ARE TO BE LOCATED WITHIN CLOSE PROXIMITY OF TEE/CROSS WHENEVER POSSIBLE (WITHIN 24" PREFERRED). VALVES ARE NOT TO BE LOCATED WITHIN DETECTABLE WARNING MAT, SIDEWALK RAMP, OR CURB.

A detailed map of the C5.11 area, showing a residential development with streets and lots. The map is divided into two main sections: 'PHASE 2A-1' in the upper right and 'PHASE 2A-2' in the lower left. A north arrow is located in the bottom right corner, and a scale bar is in the bottom left corner. The text 'C5.11' is in the top left, and 'N.T.S.' is at the bottom center.

Project Name: _____

CROSSROADS AT KELLY PARK - PHASES 2A-1 & 2A-2

CITY of APOPKA, FL

WASTEWATER COLLECTION PLAN

C5.11

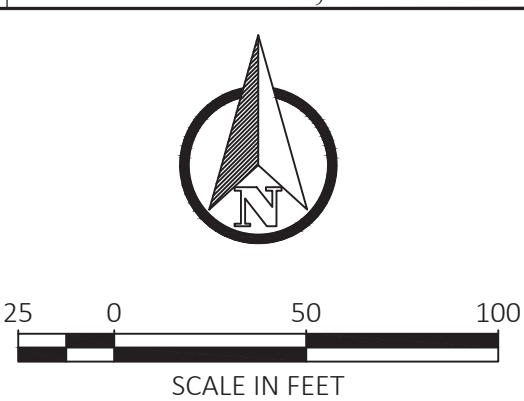
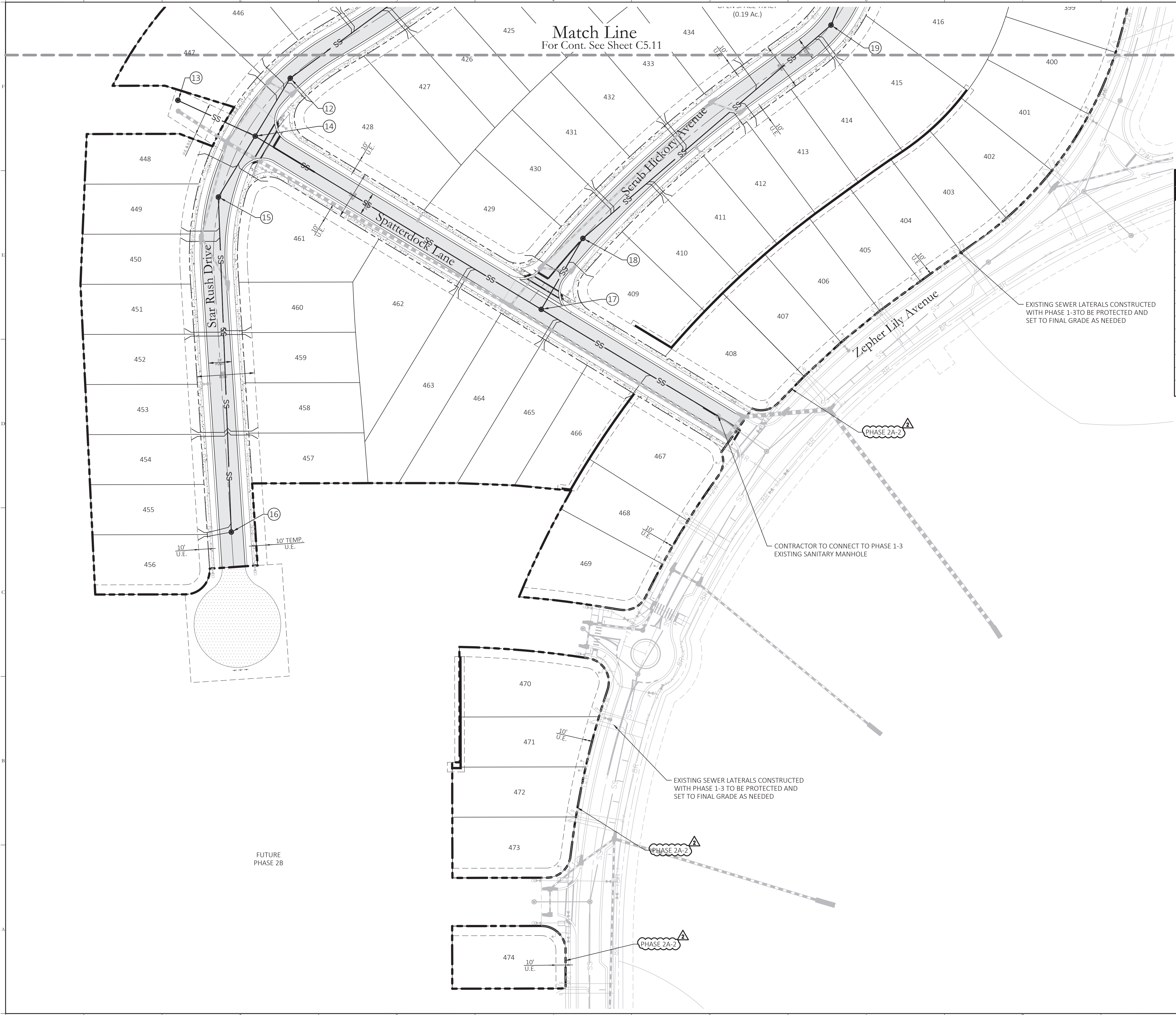
Marc D. Stehlé

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Z:\2021\21-027 GALWIN - KELLY PARK PARCELS\CAD\FINAL\CITY\PHASE 1-2A\21-027-PHASE 1-2A-WWOP

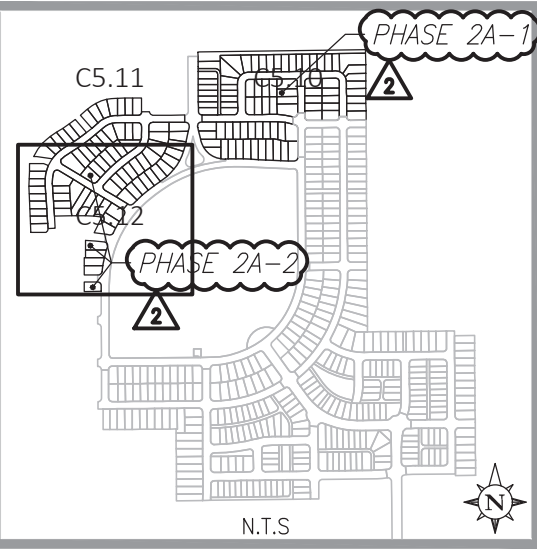


Utility Legend		
Existing	Utility Type	Proposed
--- WM --- WM ---	WATER MAIN (WM)	--- WM ---
--- RW --- RW ---	RECLAIM WATER MAIN (RW)	--- RW ---
--- SS --- SS ---	SANITARY SEWER (SS)	--- SS ---
	STORMWATER INLET	
	WATER SERVICE	
	RECLAIM WATER SERVICE	
	SANITARY SEWER LATERAL	
	GATE VALVE (G.V.)	
	TEE	
	BEND	
	REDUCER (RED.)	
	FIRE HYDRANT ASSEMBLY	
	ASSET I.D.	
	BT SAMPLE POINT	

NOTES:

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Key Map:



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1	01/05/2024	RESUBMIT TO CITY OF APOPKA
	10/23/2023	SUBMIT TO CITY OF APOPKA
NO.	DATE:	DESCRIPTIONS:
SUBMISSIONS/REVISIONS		
VERTICAL DATUM:		NAVD 88
JOB NO.:		21-175
DESIGNED BY:		KML
DRAWN BY:		KML
CHECKED BY:		MDS
APPROVED BY:		MDS
SCALE IN FEET:		1" = 50'

**CROSSROADS AT
KELLY PARK -
PHASES 2A-1 & 2A-2**

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
**WASTEWATER
COLLECTION
PLAN**

Sheet No.:
C5.12

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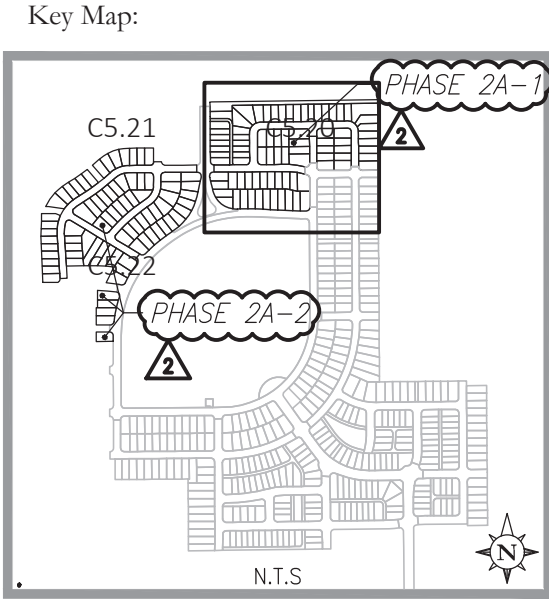
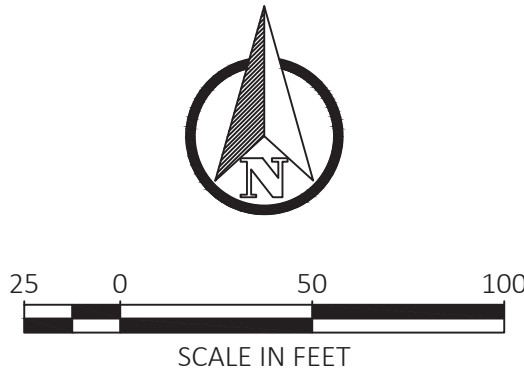
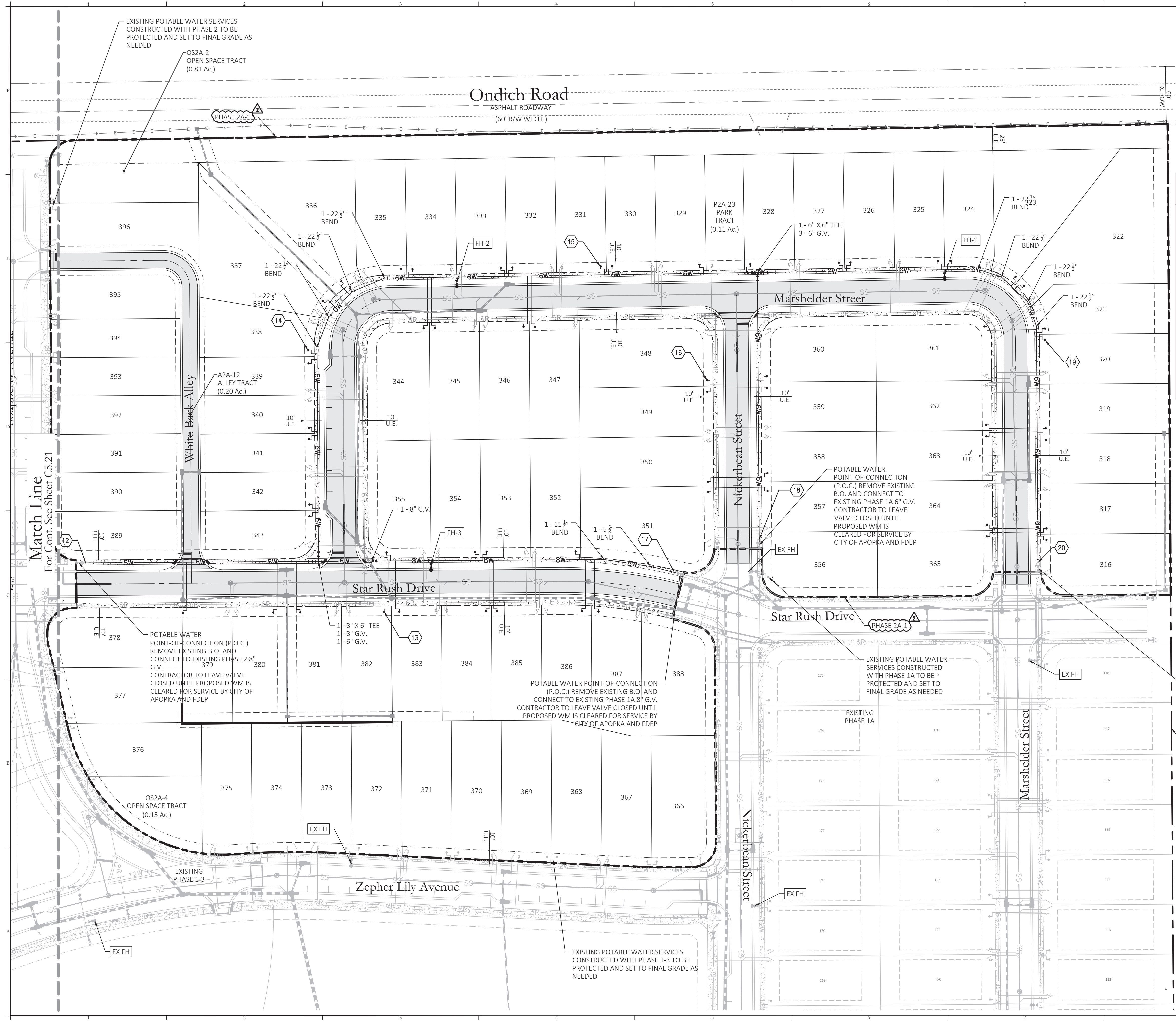
Marc Daniel Stehlil
DATE: March 5, 2025

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Z:\2021\21-027 GALVIN - KELLY PARK PARCELS\CAD\FINAL\CITY\PHASE 1-2A\21-027-PHASE 1-2A-WDP



Utility Legend		
Existing	Utility Type	Proposed
--- WM ---	WATER MAIN (WM)	WM
--- RW ---	RECLAIM WATER MAIN (RW)	RW
--- SS ---	SANITARY SEWER (SS)	SS
	STORMWATER INLET	
	WATER SERVICE	
	RECLAIM WATER SERVICE	
	SANITARY SEWER LATERAL	
	GATE VALVE (G.V.)	
	TEE	
	BEND	
	REDUCER (RED.)	
	FIRE HYDRANT ASSEMBLY	
	ASSET I.D.	WGV-1
	BT SAMPLE POINT	

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10/23/2023	SUBMIT TO CITY OF APOPKA
NO. DATE DESCRIPTIONS SUBMISSIONS/REVISIONS	
VERTICAL DATUM: NAVD 88	
JOB NO.: 21-175	
DESIGNED BY: KML	
DRAWN BY: KML	
CHECKED BY: MDS	
APPROVED BY: MDS	
SCALE IN FEET: 1" = 50'	

Project Name:
**CROSSROADS AT
KELLY PARK -
PHASES 2A-1 & 2A-2**

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
**WATER
DISTRIBUTION
PLAN**

Sheet No.:
C5.20

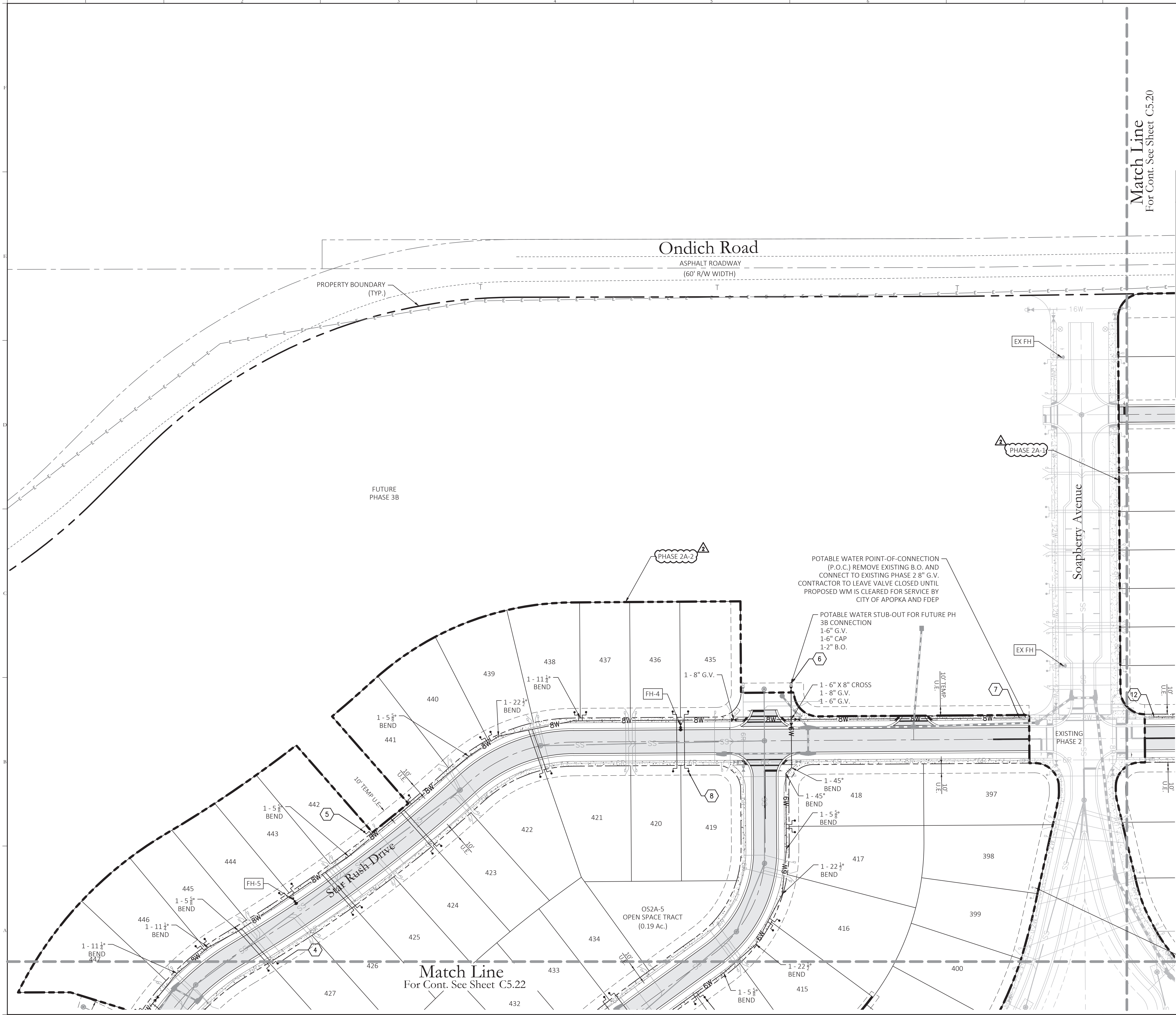
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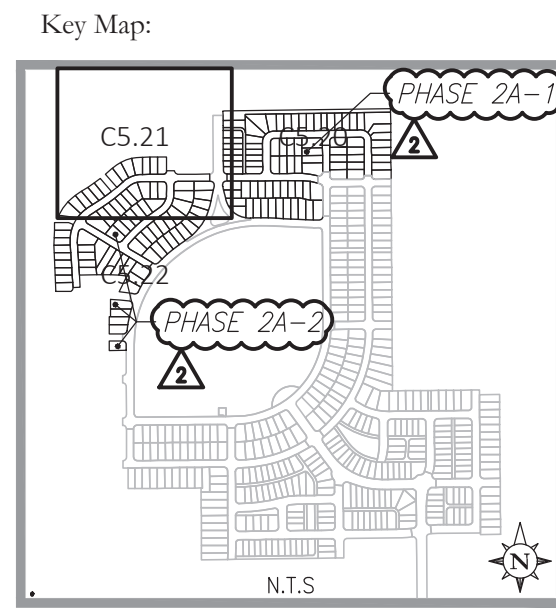
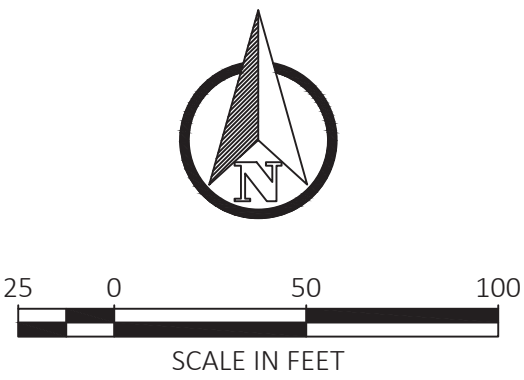
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Eng. Bus. No. 28567

Z:\2021\21-027 GALVIN - KELLY PARK PARCELS\CAD\FINAL\CITY\PHASE 1-2A\21-027-PHASE 1-2A-WDP



Utility Legend		
Existing	Utility Type	Proposed
--- WM --- WM ---	WATER MAIN (WM)	--- WM ---
--- RW --- RW ---	RECLAIM WATER MAIN (RW)	--- RW ---
--- SS --- SS ---	SANITARY SEWER (SS)	--- SS ---
	STORMWATER INLET	
	WATER SERVICE	
	RECLAIM WATER SERVICE	
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	REDUCER (RED.)	
	FIRE HYDRANT ASSEMBLY	
	ASSET I.D.	[WGV-1]
	BT SAMPLE POINT	

- NOTES:
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 2. MAINTAIN A MINIMUM OF 3 FEET OF COVER OVER ALL PROPOSED WATER, WASTEWATER, AND RECLAIMED WATER LINES.
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 4. ALL WATERMAIN, FORCEMAIN AND RECLAIM WATERMAIN TO BE PVC MATERIAL UNLESS OTHERWISE SPECIFIED ON THE PLAN.
 5. TEMPORARY UTILITY EASEMENT ADJACENT TO RIGHT-OF-WAY SHALL BE PLATTED AS PERMANENT WITH THE DEVELOPMENT OF FUTURE PHASES.
 6. ALL VALVES ARE TO BE LOCATED WITHIN CLOSE PROXIMITY OF TEE/CROSS WHENEVER POSSIBLE (WITHIN 24" PREFERRED). VALVES ARE NOT TO BE LOCATED WITHIN DETECTABLE WARNING MAT, SIDEWALK RAMP, OR CURB.



2	03/05/2025	RESUBMIT TO CITY OF APOPKA
1	01/05/2024	RESUBMIT TO CITY OF APOPKA
1	10/23/2023	SUBMIT TO CITY OF APOPKA
NO. DATE DESCRIPTIONS		
SUBMISSIONS/REVISIONS		
VERTICAL DATUM:		NAVD 88
JOB NO.:		21-175
DESIGNED BY:		KML
DRAWN BY:		KML
CHECKED BY:		MDS
APPROVED BY:		MDS
SCALE IN FEET:		1" = 50'

Project Name:

CROSSROADS AT KELLY PARK - PHASES 2A-1 & 2A-2

Jurisdiction:

CITY of APOPKA, FL

Sheet Title:

WATER DISTRIBUTION PLAN

Sheet No.:

C5.21

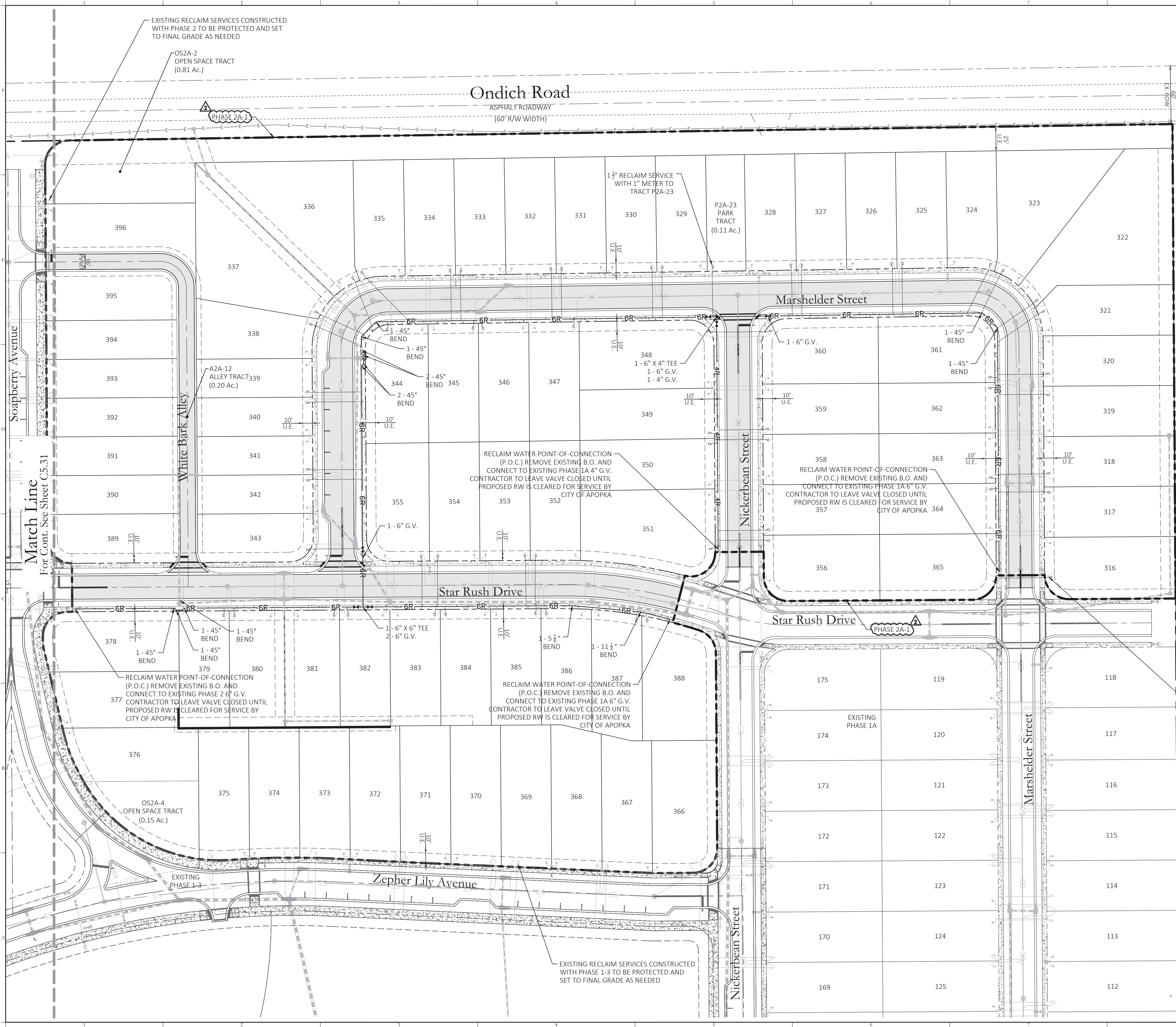


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Z:\2021\21-027 GALVIN - KELLY PARK PARCELS\040 FINAL CITY PHASE 1-2A\21-027-1 PHASE 1-2A-RWDP

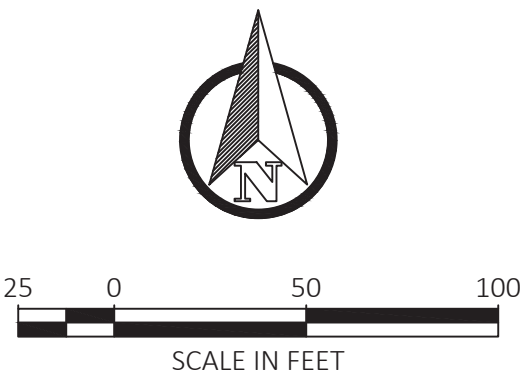


Utility Legend		
Existing	Utility Type	Proposed
---	WATER MAIN (WM)	---
---	RECLAIM WATER MAIN (RW)	---
---	SANITARY SEWER (SS)	---
	STORMWATER INLET	
	WATER SERVICE	
	RECLAIM WATER SERVICE	
	SANITARY SEWER LATERAL	
	GATE VALVE (G.V.)	
	TEE	
	BEND	
	REDUCER (RED.)	
	FIRE HYDRANT ASSEMBLY	
	ASSET I.D.	
	BT SAMPLE POINT	

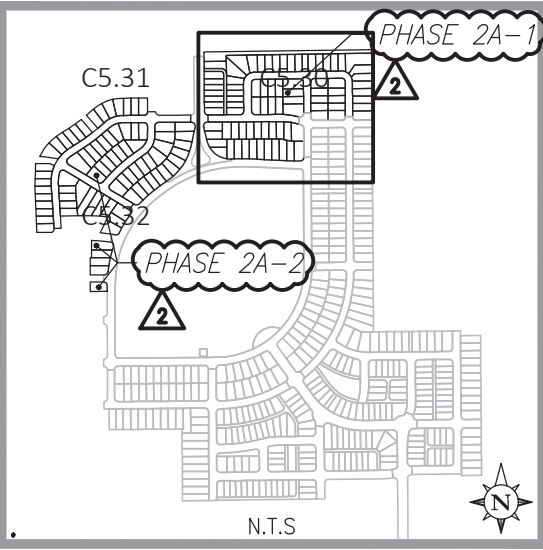
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EXISTING RECLAIM SERVICES CONSTRUCTED WITH PHASE 1A TO BE PROTECTED AND SET TO FINAL GRADE AS NEEDED

PROPERTY BOUNDARY (TYP.)



Key Map:



2	03/05/2025	RESUBMIT TO CITY OF APOPKA
1	01/03/2024	RESUBMIT TO CITY OF APOPKA
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NO.	DATE	DESCRIPTIONS
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APPROVED BY:		MDS
SCALE IN FEET:		1" = 50'
Project Name:		

CROSSROADS AT KELLY PARK - PHASES 2A-1 & 2A-2

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
**RECLAIMED WATER
DISTRIBUTION
PLAN**

Sheet No.:
C5.30

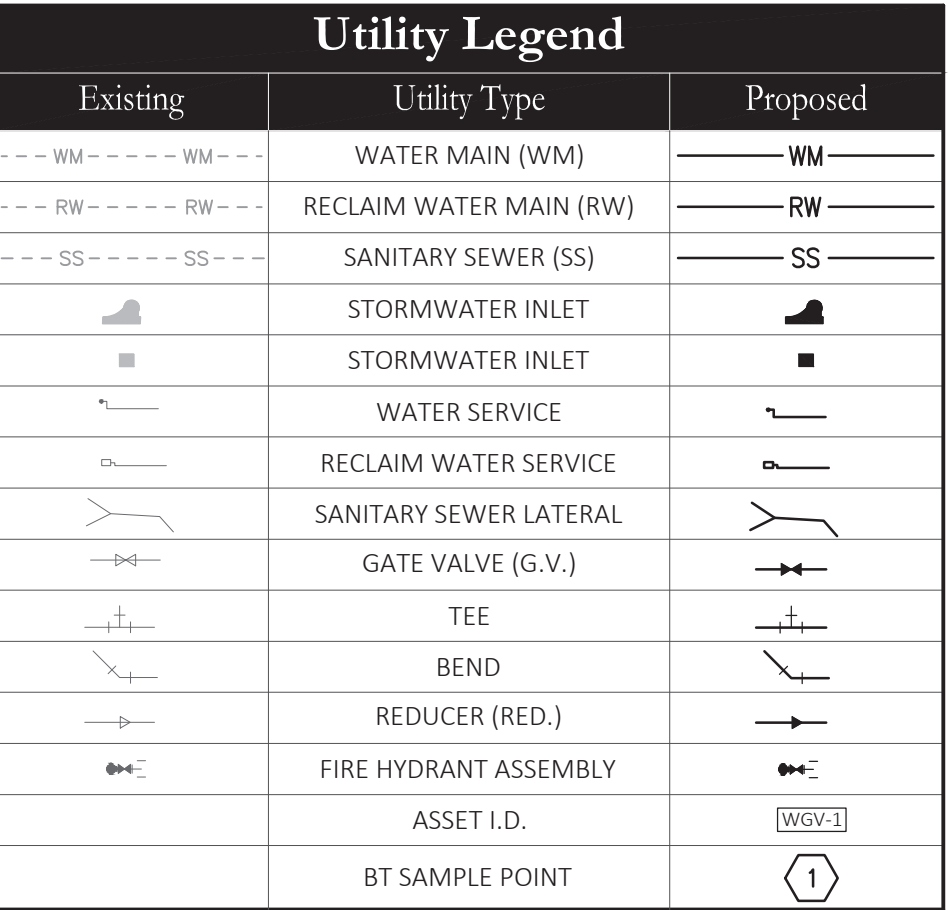
Seal:

Marc Daniel Stehlil
DATE: March 5, 2025

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The site plan shows a proposed development with two main phases: Phase 2A-1 and Phase 2A-2. Phase 2A-1 is located in the upper right portion of the plan, while Phase 2A-2 is located in the lower left portion. The plan also shows existing infrastructure, including a road labeled 'Rt. 1' and a road labeled 'C5.31'. A north arrow is located in the bottom right corner, and a scale bar is located in the bottom left corner. The plan is labeled 'N.T.S.' (Not To Scale) at the bottom center.

Project Name: _____

CROSSROADS AT KELLY PARK - PHASES 2A-1 & 2A-2

CITY of APOPKA, FL

RECLAIMED WATER DISTRIBUTION PLAN

C5.31

MARCDANIEL STEHL
P.E. NO. 0052781
DATE: March 5, 2025

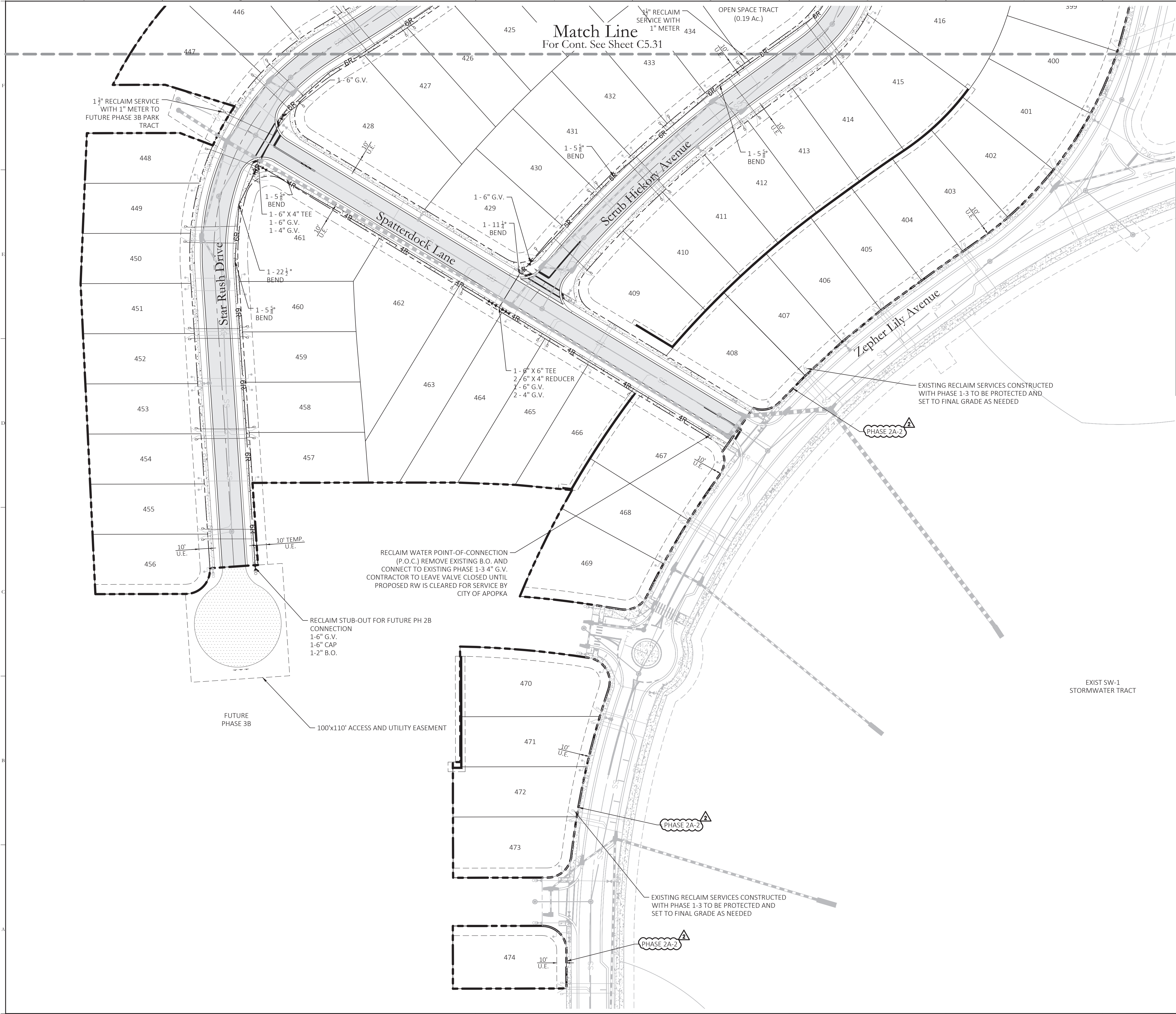
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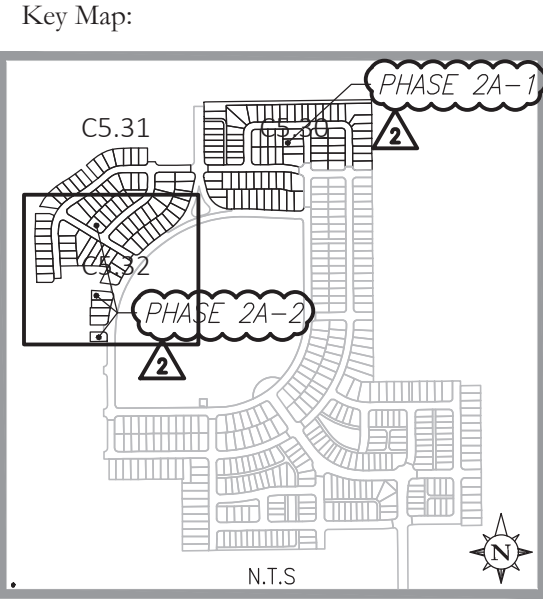
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Z:\2021\21-027 GALVIN - KELLY PARK PARCELS\CAD\FINAL\CITY\PHASE 1-2A\21-027-PHASE 1-2A-RWDP



Utility Legend		
Existing	Utility Type	Proposed
--- WM --- WM ---	WATER MAIN (WM)	--- WM ---
--- RW --- RW ---	RECLAIM WATER MAIN (RW)	--- RW ---
--- SS --- SS ---	SANITARY SEWER (SS)	--- SS ---
	STORMWATER INLET	
	WATER SERVICE	
	RECLAIM WATER SERVICE	
	SANITARY SEWER LATERAL	
	GATE VALVE (G.V.)	
	TEE	
	BEND	
	REDUCER (RED.)	
	FIRE HYDRANT ASSEMBLY	
	ASSET I.D.	[WGV-1]
	BT SAMPLE POINT	

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VERTICAL DATUM:		NAVD 88
JOB NO.:		21-175
DESIGNED BY:		KML
DRAWN BY:		KML
CHECKED BY:		MDS
APPROVED BY:		MDS
SCALE IN FEET:		1" = 50'

CROSSROADS AT KELLY PARK - PHASES 2A-1 & 2A-2

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
**RECLAIMED WATER
DISTRIBUTION
PLAN**

Sheet No.:
C5.32

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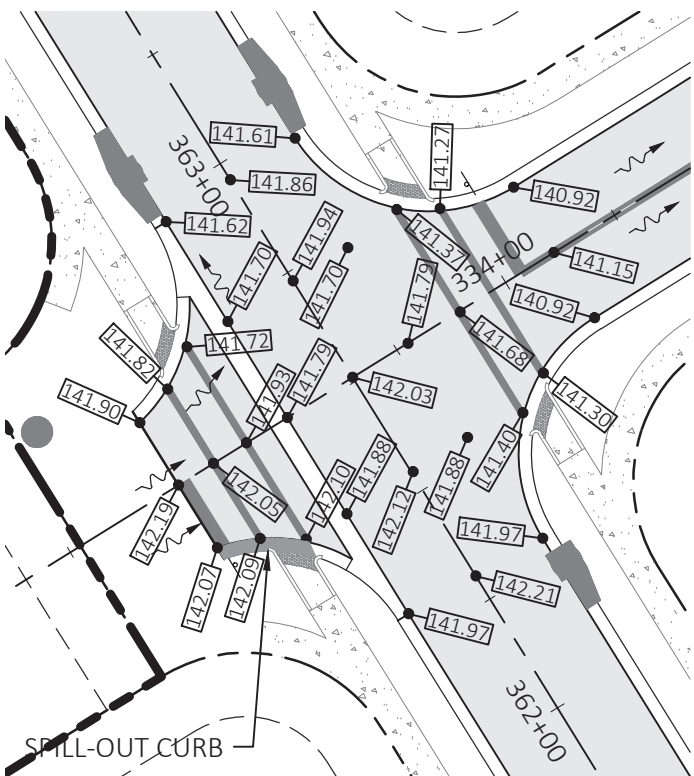
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Z:\2021\21-027 GALWIN - KELLY PARK PARCELS\CAD\FINAL\CITY\PHASE 1-2A\21-027-PHASE 1-2A-PP SCRUB HICKORY AVENUE

NOTES:

1. PROVIDE 3' MIN. HORIZONTAL SEPARATION BETWEEN SANITARY SEWER AND EDGE OF PAVEMENT.
2. PROVIDE 3' MIN HORIZONTAL SEPARATION BETWEEN WATERMAIN / RECLAIMED WATERMAIN AND STORMWATER DRAINAGE STRUCTURES.
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5. PROVIDE 36" MIN. COVER BETWEEN PROPOSED GRADE AND TOP OF POTABLE WATER, RECLAIMED WATER, AND FORCEMAIN PIPE.



Scrub Hickory Avenue &
Star Rush Drive Intersection

1"=30'

1-6"x8" CROSS
1-8" G.V.
1-6" G.V.

WATER STUB-OUT FOR
FUTURE PHASE 3B
CONNECTION
6" G.V.
6" CAP
2" B.O.
BEGIN PAVEMENT
SCRUB HICKORY AVENUE
STA. 333+37.46

RECLAIM STUB-OUT FOR
FUTURE PHASE 3 B
CONNECTION
6" G.V.
6" CAP
2" B.O.

Star Rush
Drive
For Cont. See
Sheet C6.02

21

18

TYPE M.H.
STA: 333+25.47
OFF: 18.70' LT

STA: 333+18.28
OFF: 0.00'

435

1-8" G.V.
87' - 18" RCP
@ 0.30%

436

For Cont. See
Sheet C6.02

437

438

21A

TYPE '6' C.I.
STA: 333+06.07
OFF: 13.25' RT

1-6" G.V.

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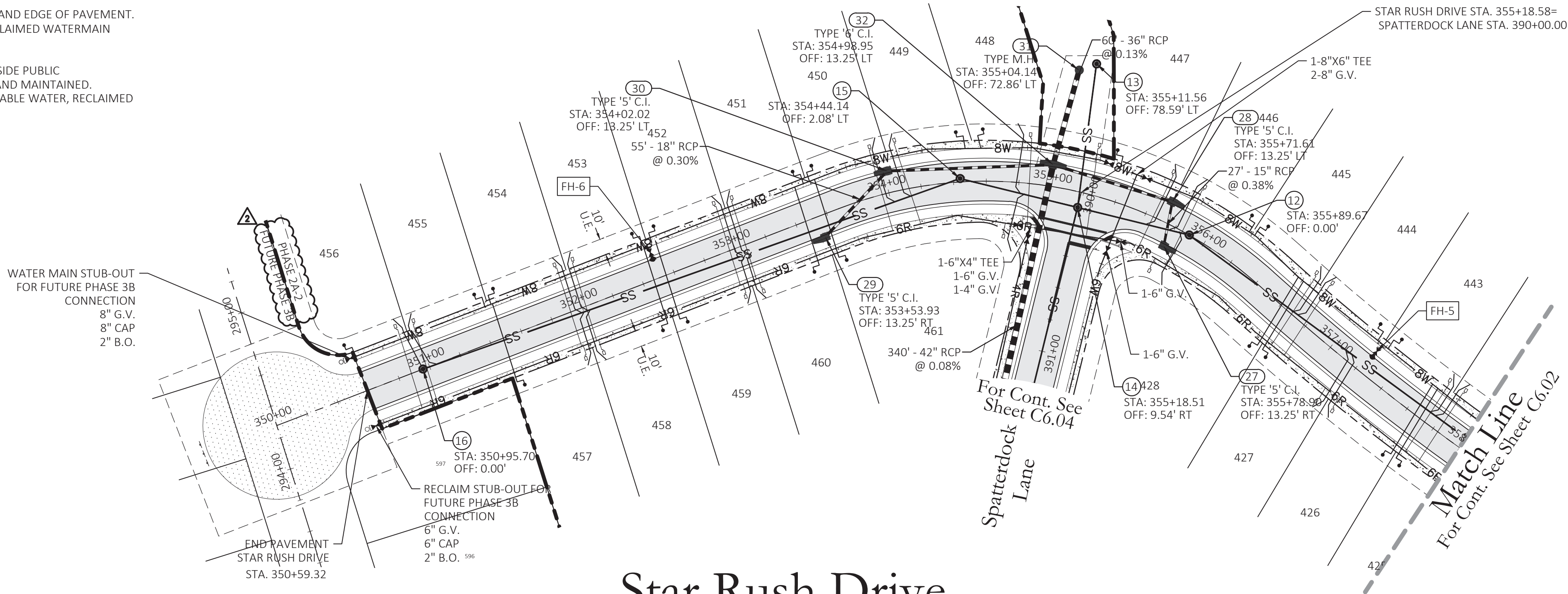
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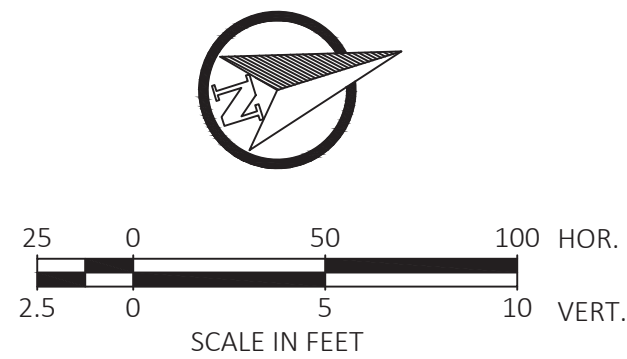
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Z:\2021\21-027 GALVIN - KELLY PARK PARCELS\CAD\FINAL\CITY\PHASE 1-2A\21-027-PHASE 1-2A-PP STAR RUSH DRIVE

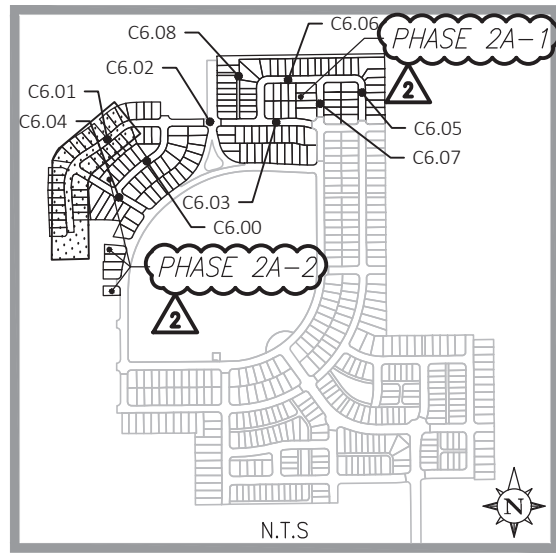
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Star Rush Drive



Key Map:



2 03/05/2025 RESUBMIT TO CITY OF APOPKA

1 01/05/2024 RESUBMIT TO CITY OF APOPKA

10/23/2023 SUBMIT TO CITY OF APOPKA

NO. DATE DESCRIPTIONS

SUBMISSIONS/REVISIONS

VERTICAL DATUM: NAVD 88

JOB NO.: 21-175

DESIGNED BY: KML

DRAWN BY: KML

CHECKED BY: MDS

APPROVED BY: MDS

SCALE IN FEET: 1" = 50'

Project Name:

**CROSSROADS AT
KELLY PARK -
PHASES 2A-1 & 2A-2**

Jurisdiction:

CITY of APOPKA, FL

Sheet Title:

**STAR RUSH DRIVE
PLAN & PROFILE**

Sheet No.:

C6.01

Seal:



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POTABLE WATER POINT-OF-CONNECTION
(POC) REMOVE EXISTING B.O. AND
CONNECT TO EXISTING PHASE 2 8" G.V.
CONTRACTOR TO LEAVE VALVE CLOSED
UNTIL PROPOSED WATER MAIN IS
CLEARED FOR SERVICE BY CITY OF
APOPKA AND FDEP

POTABLE WATER POINT-OF-CONNECTION
(POC) REMOVE EXISTING B.O. AND
CONNECT TO EXISTING PHASE 2 8" G.V.
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RECLAIM WATER POINT-OF-CONNECTION
(POC) REMOVE EXISTING B.O. AND
CONNECT TO EXISTING PHASE 2 6" G.V.
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UNTIL PROPOSED RECLAIMED MAIN IS
CLEARED FOR SERVICE BY CITY OF
APOPKA

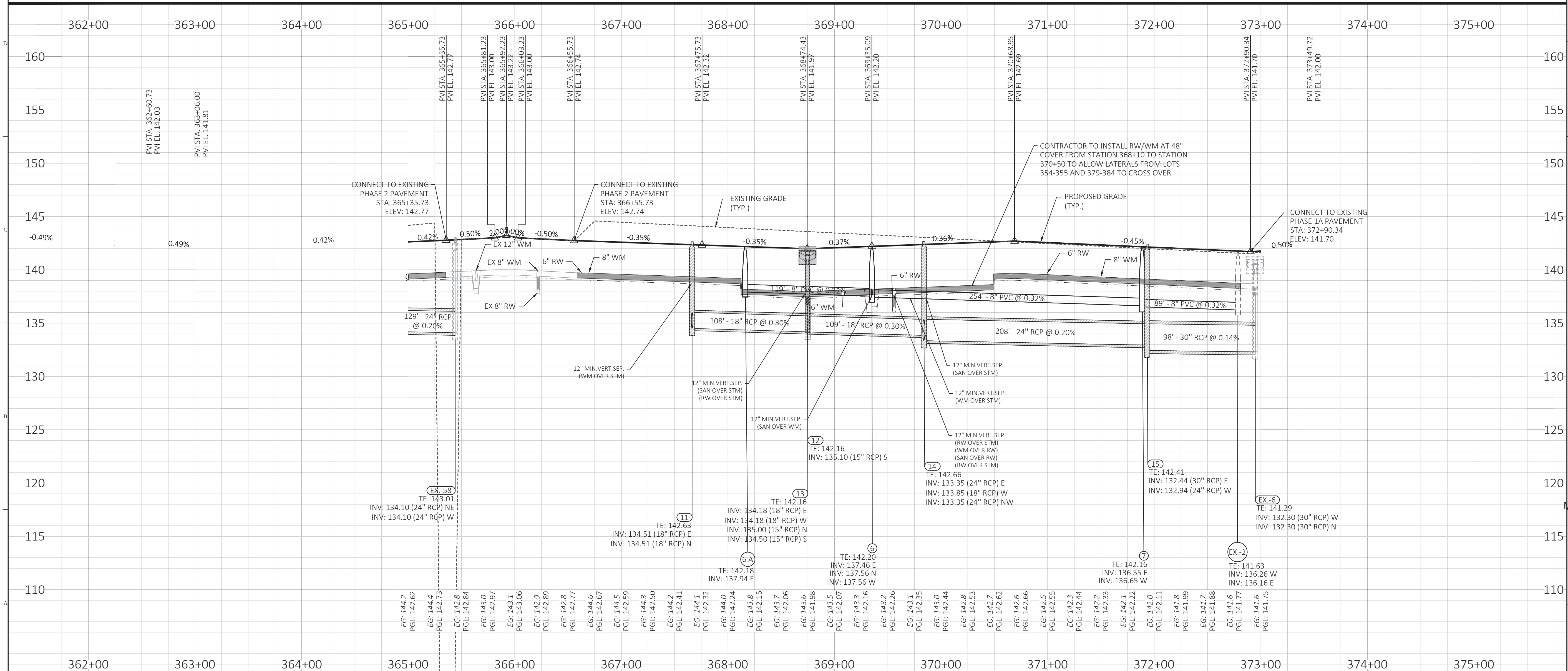
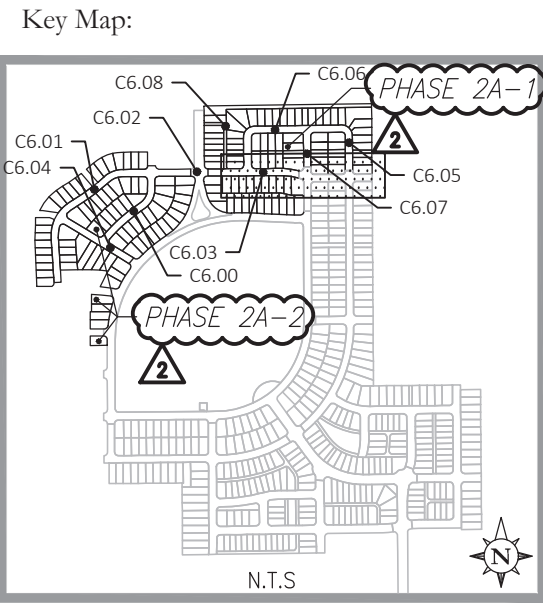
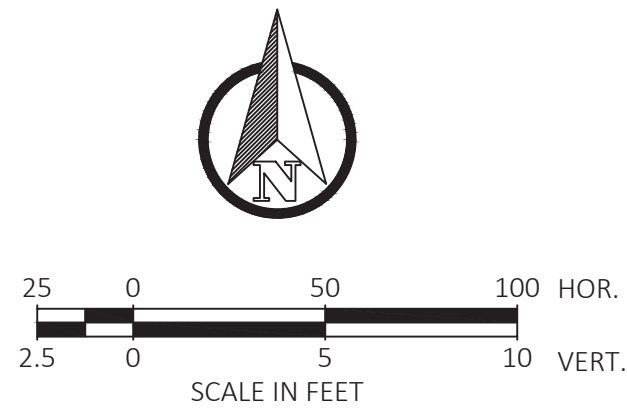
STAR RUSH DRIVE STA. 365+92.23 =
SOAPBERRY AVENUE STA. 383+49.05

RECLAIM WATER POINT-OF-CONNECTION (POC) REMOVE EXISTING B.O. AND CONNECT TO EXISTING PHASE 2 6" G.V. CONTRACTOR TO LEAVE VALVE CLOSED UNTIL PROPOSED RECLAIMED MAIN IS CLEARED FOR SERVICE BY CITY OF APOPKA

WHITE BARK ALLEY STA. 575+08.01

POTABLE WATER POINT-OF-CONNECTION (POC) REMOVE -
EXISTING B.O. AND CONNECT TO EXISTING PHASE 1A 8" G.V.
CONTRACTOR TO LEAVE VALVE CLOSED UNTIL PROPOSED
WATER MAIN IS CLEARED FOR SERVICE BY CITY OF APOPKA
AND FDEP

RECLAIM WATER POINT-OF-CONNECTION (POC) REMOVE
EXISTING B.O. AND CONNECT TO EXISTING PHASE 1A 6" G.V.
CONTRACTOR TO LEAVE VALVE CLOSED UNTIL PROPOSED
RECLAIMED MAIN IS CLEARED FOR SERVICE BY CITY OF
APOPKA



2 03/05/2025 RESUBMIT TO CITY OF APOPKA

1 01/03/2024 RESUBMIT TO CITY OF APOPKA

• 10/23/2023 SUBMIT TO CITY OF APOPKA

NO.	DATE:	DESCRIPTIONS:
-----	-------	---------------

SUBMISSIONS/REVISIONS

VERTICAL DATUM: NAVD 88

JOB NO.: 21-175

DESIGNED BY: KML

DRAWN BY: KML

CHECKED BY: MDS

APPROVED BY: MDS

SCALE IN FEET: $1" = 50'$

Project Name:

CROSSROADS AT

**KELLY PARK -
PHASES 2A-1 & 2A-2**

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:

**STAR RUSH DRIVE
PLAN & PROFILE**

Sheet No.: **C6.03**

Seal: 

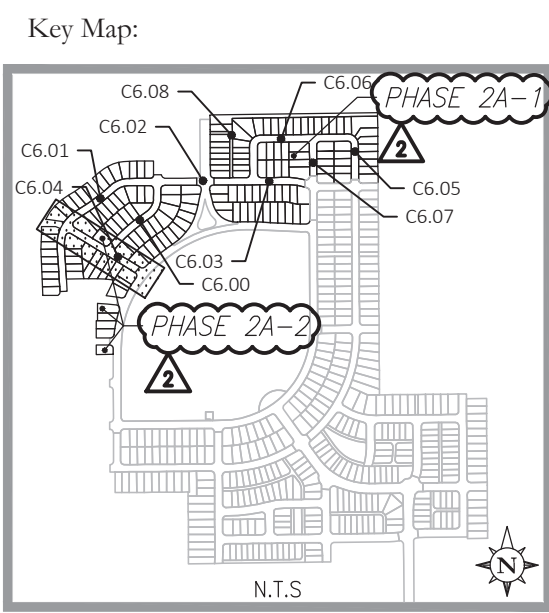
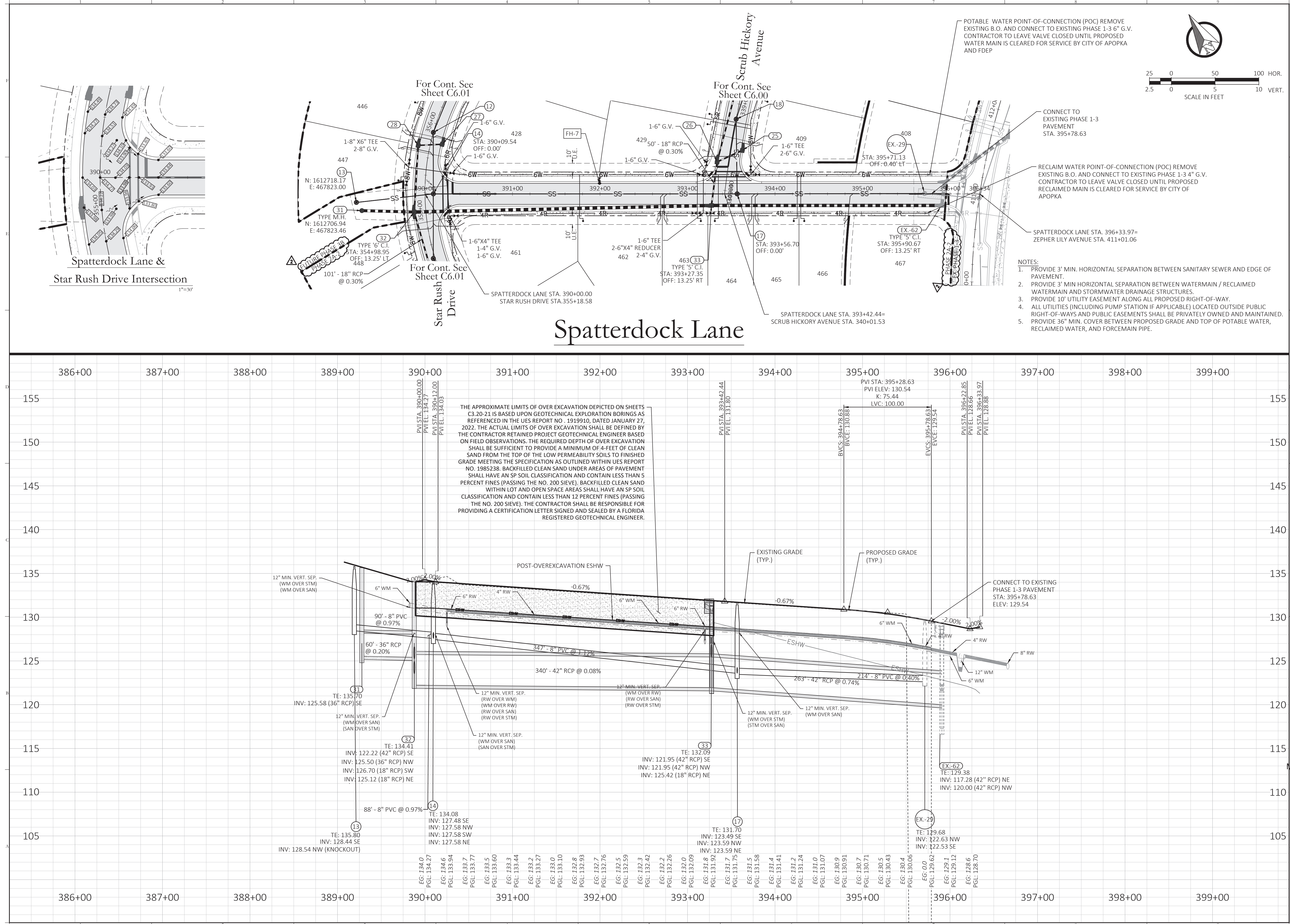
MARC DANIEL STEHLI
P.E. NO. 052781

DATE: March 5, 2025

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CROSSROADS AT KELLY PARK - PHASES 2A-1 & 2A-2

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
SPATTERDOCK LANE
PLAN & PROFILE

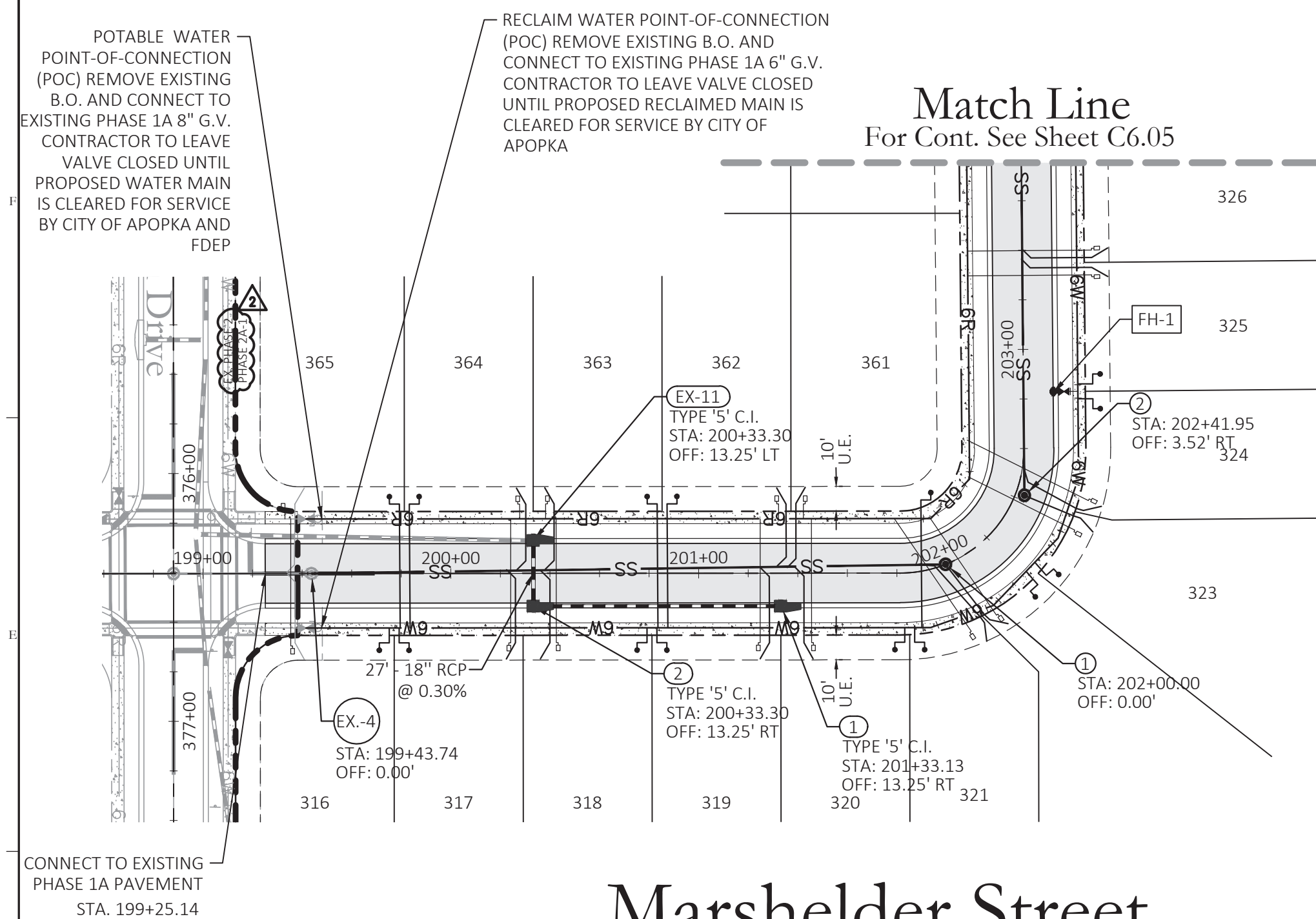
Sheet No.:
C6.04

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MARC DANIEL STEHLI
LICENSE
No. 52781
STATE OF
FLORIDA
Professional Engineer
March 6, 2025

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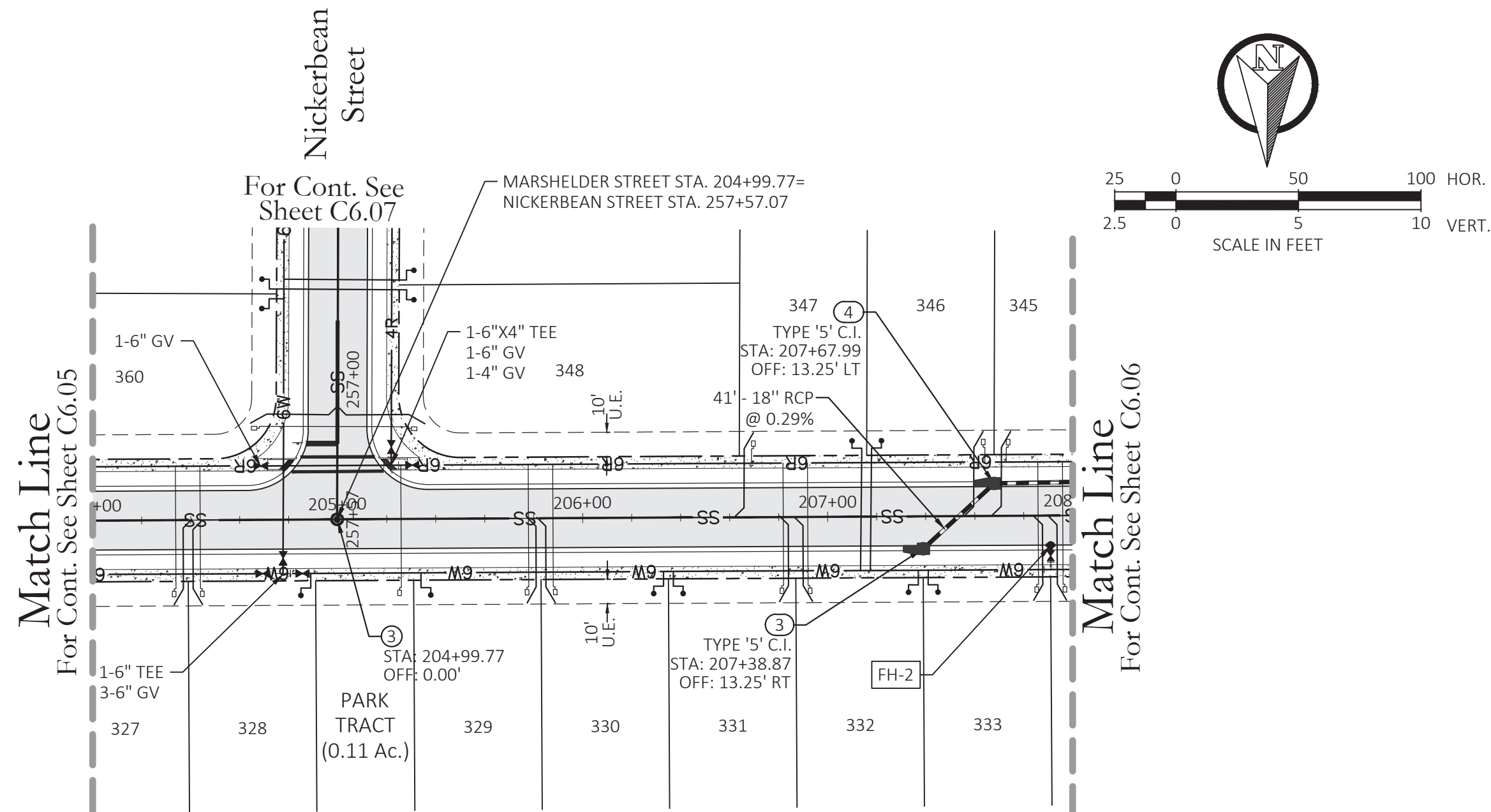
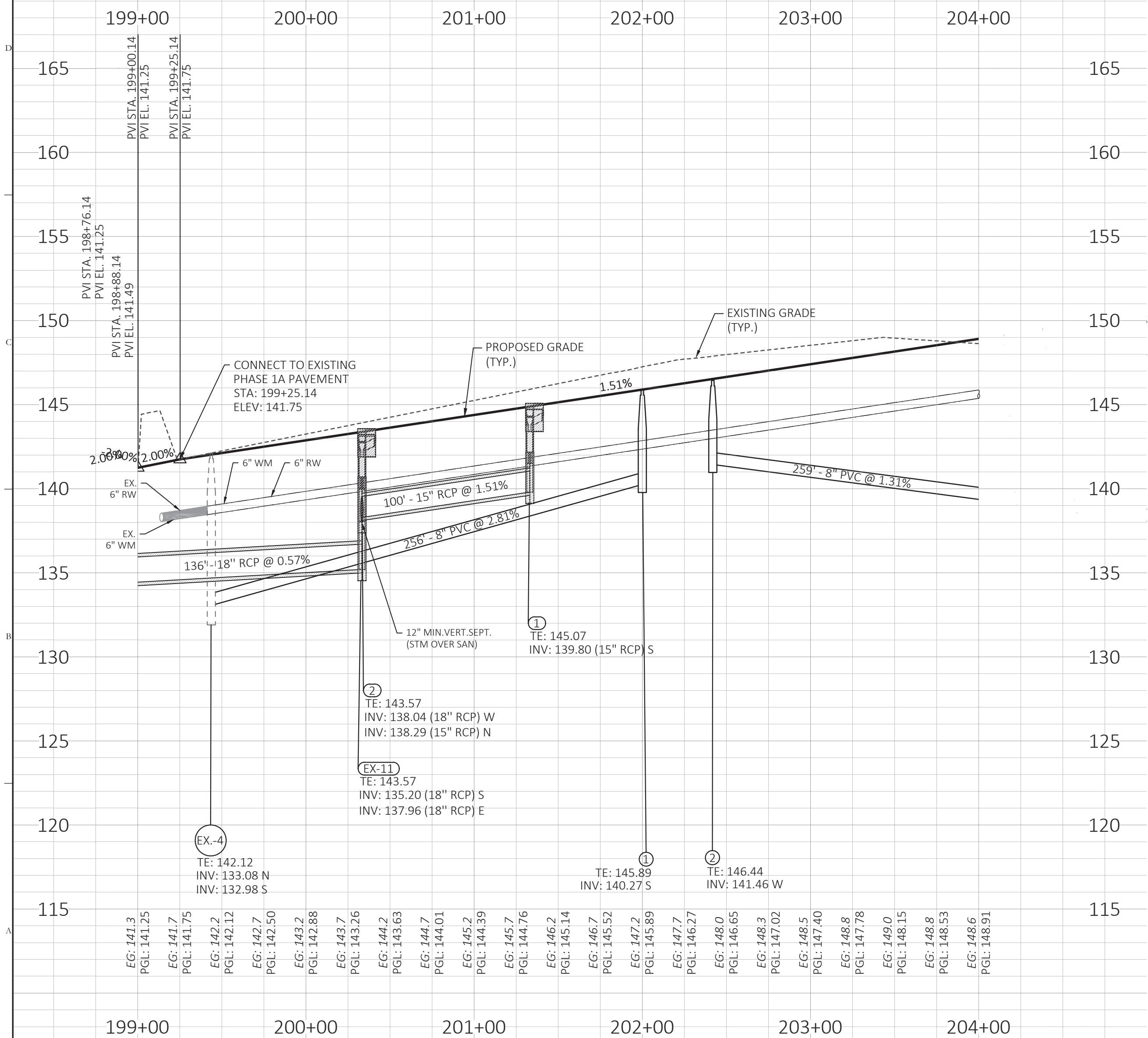
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Eng. Bus. No. 28567



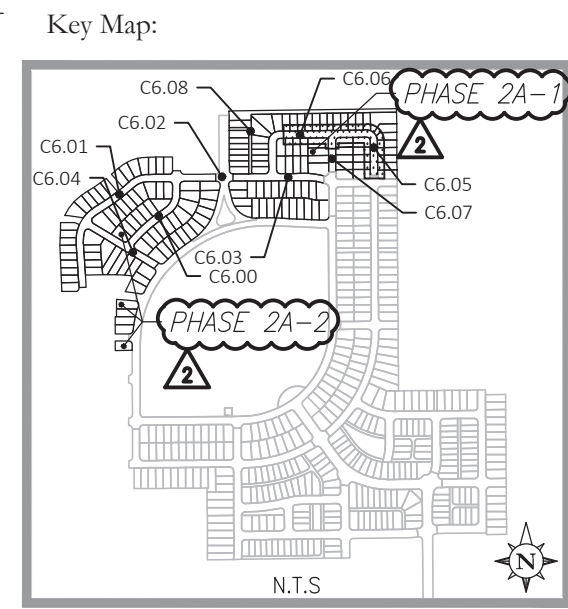
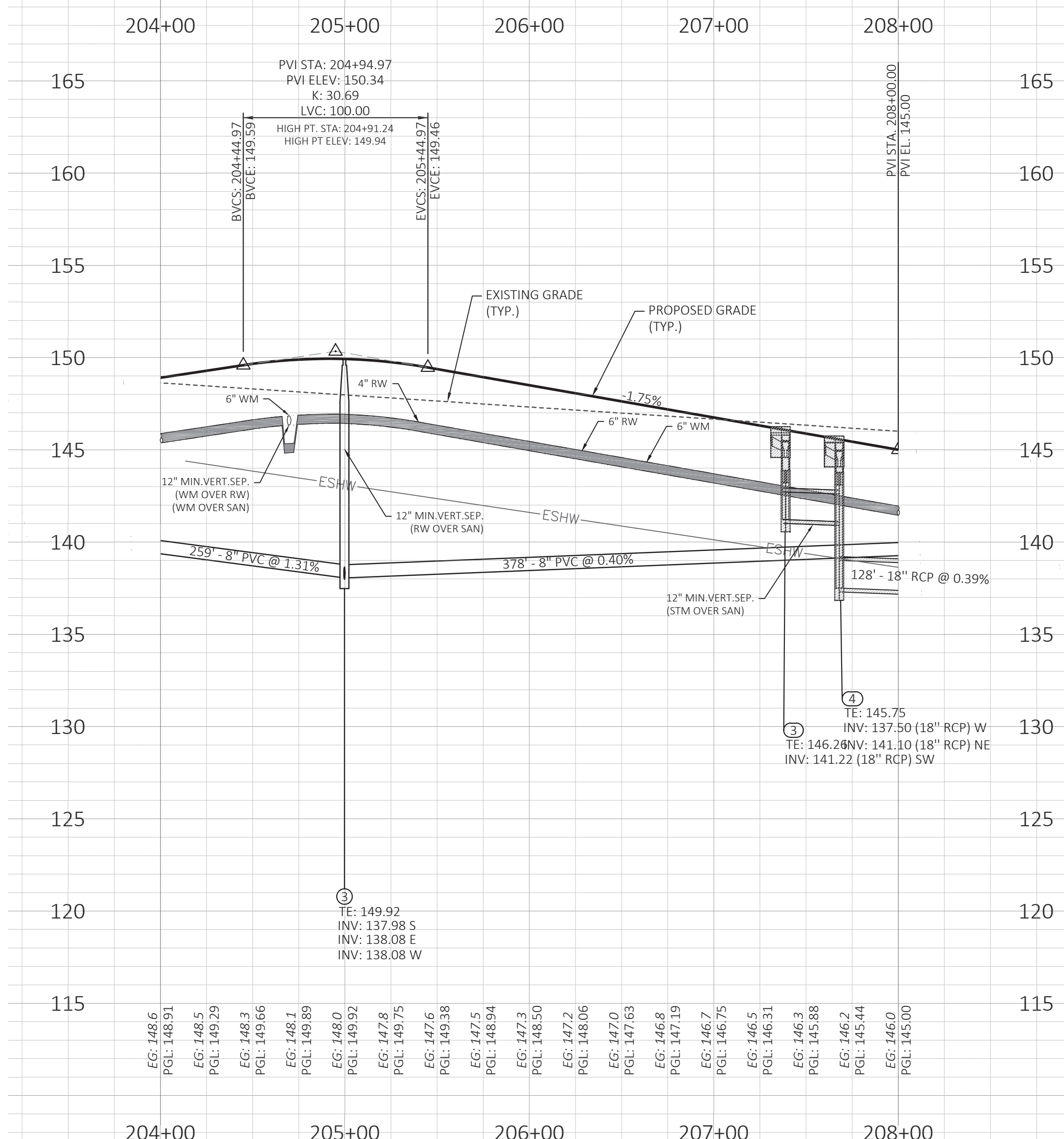
NOTES:

1. PROVIDE 3' MIN. HORIZONTAL SEPARATION BETWEEN SANITARY SEWER AND EDGE OF PAVEMENT.
2. PROVIDE 3' MIN HORIZONTAL SEPARATION BETWEEN WATERMAIN / RECLAIMED WATERMAIN AND STORMWATER DRAINAGE STRUCTURES.
3. PROVIDE 10' UTILITY EASEMENT ALONG ALL PROPOSED RIGHT-OF-WAY.
4. ALL UTILITIES (INCLUDING PUMP STATION IF APPLICABLE) LOCATED OUTSIDE PUBLIC RIGHT-OF-WAYS AND PUBLIC EASEMENTS SHALL BE PRIVATELY OWNED AND MAINTAINED.
5. PROVIDE 36" MIN. COVER BETWEEN PROPOSED GRADE AND TOP OF POTABLE WATER, RECLAIMED WATER, AND FORCEMAIN PIPE.

Marshelder Street



Marshelder Street



2	03/05/2025	RESUBMIT TO CITY OF APOPKA
1	01/03/2024	RESUBMIT TO CITY OF APOPKA
-	10/23/2023	SUBMIT TO CITY OF APOPKA
NO.	DATE:	DESCRIPTIONS:
SUBMISSIONS/REVISIONS		
VERTICAL DATUM:		NAVD 88
JOB NO.:		21-175
DESIGNED BY:		KML
DRAWN BY:		KML
CHECKED BY:		MDS
APPROVED BY:		MDS
SCALE IN FEET:		1" = 50'

CROSSROADS AT KELLY PARK - PHASES 2A-1 & 2A-2

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
**MARSHOLDER
STREET
PLAN & PROFILE**

Sheet No.:

C6.05

Seal:



MARC DANIEL STEHLI
P.E. NO. 0052781

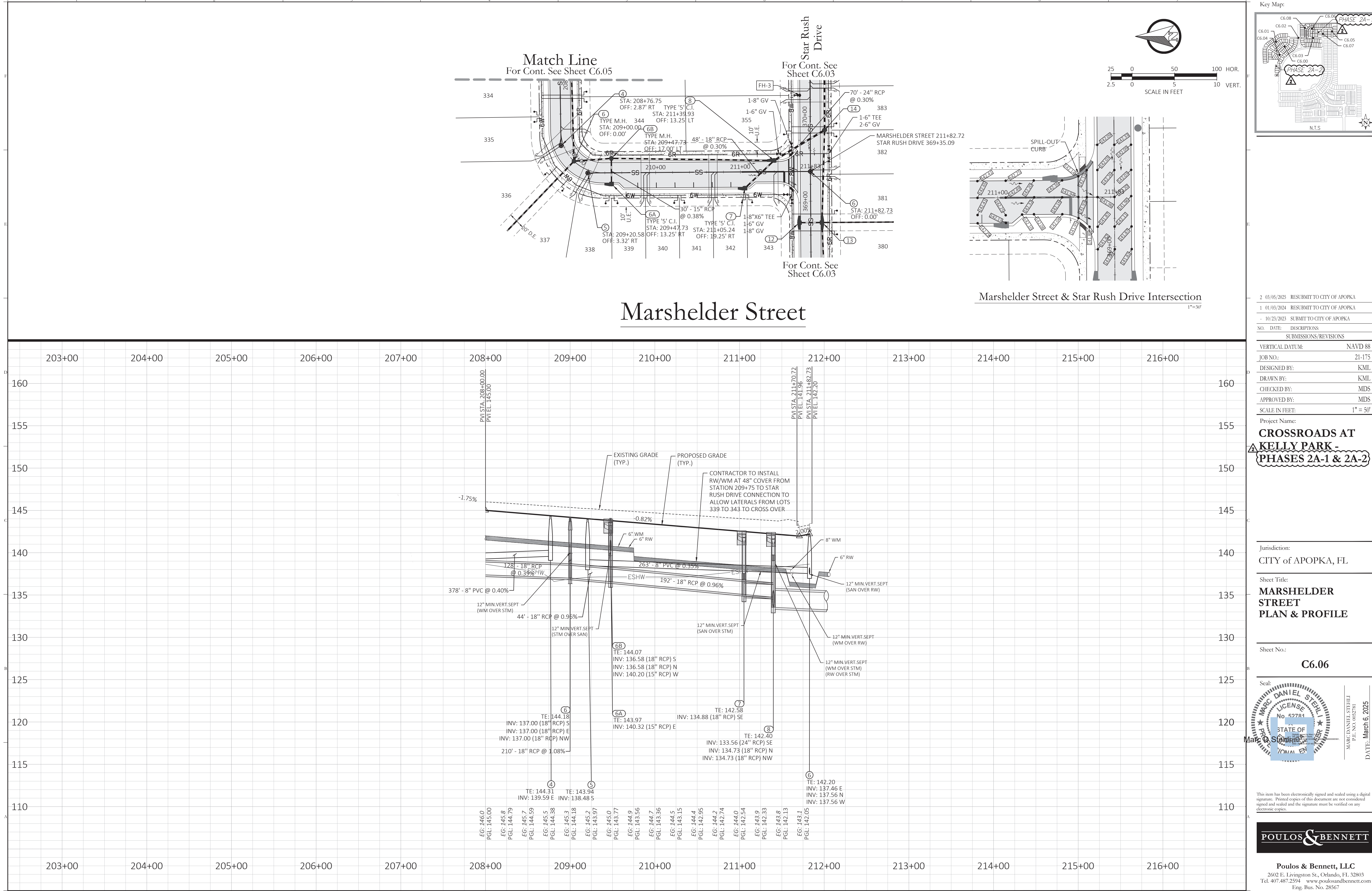
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DATE:

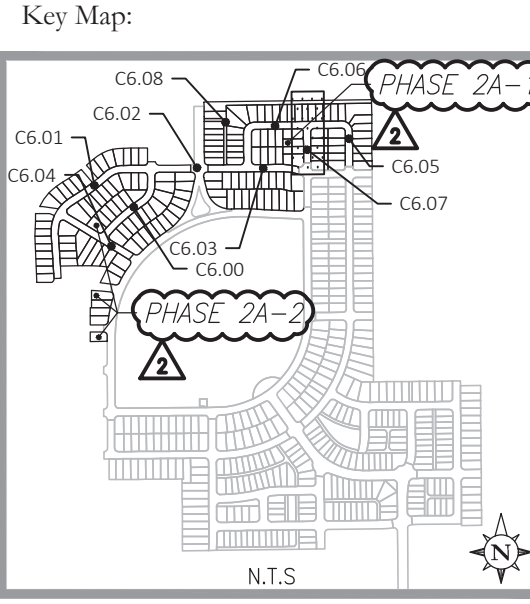
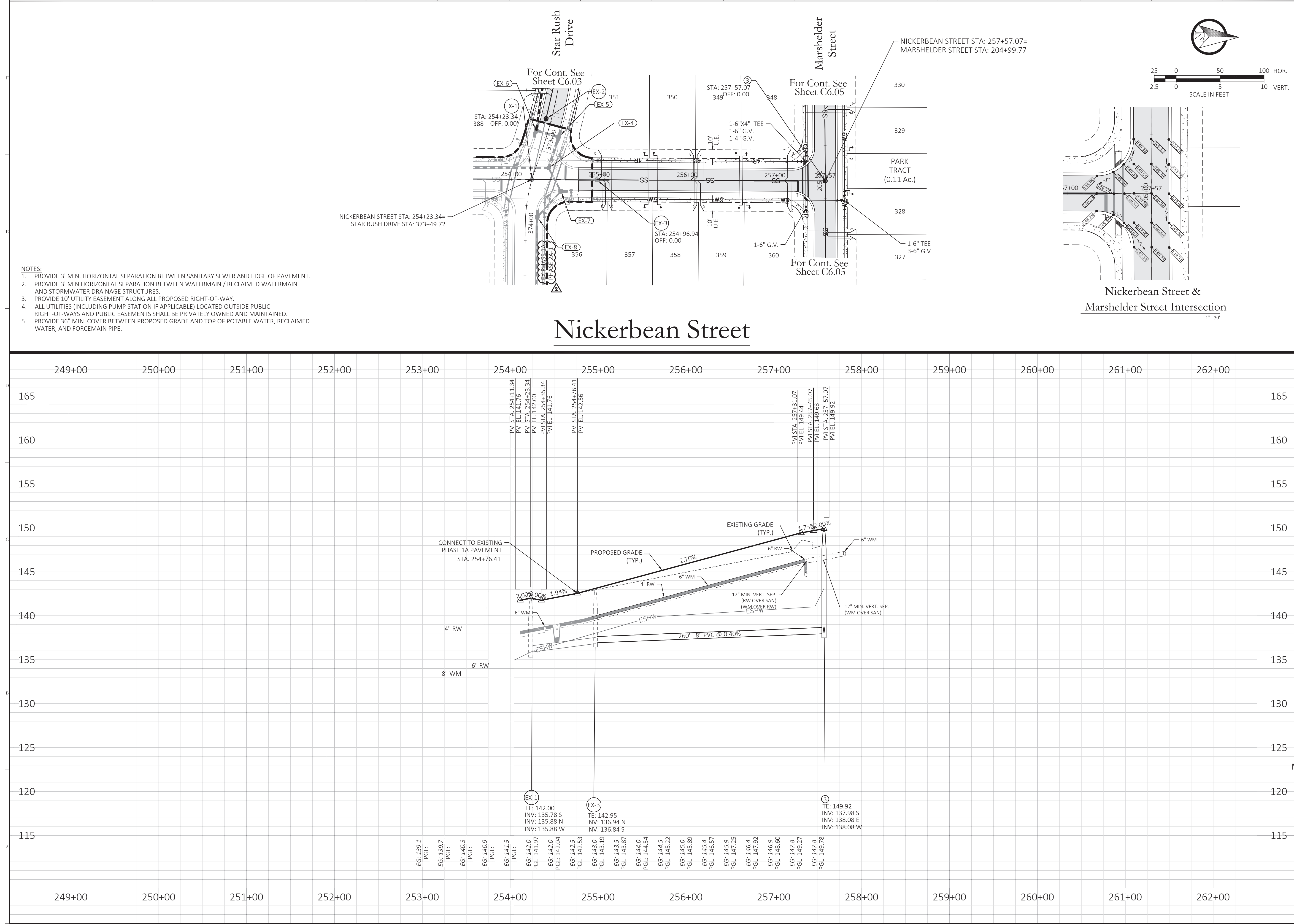
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Tel. 407.487.2594 www.poulosandbennett.com
Eng. Bus. No. 28567

Z:\2021\21-027 GALWIN - KELLY PARK PARCELS\CD\FINAL\CITY\PHASE 1-2A\21-027-PHASE 1-2A-PP MARSHELDER STREET



Z:\2021\21-027 GALWIN - KELLY PARK PARCELS\CD\FINAL\CITY\PHASE 1-2A\21-027-PHASE 1-2A-PP NICKERBEAN STREET



2	03/05/2025	RESUBMIT TO CITY OF APOPKA
1	01/05/2024	RESUBMIT TO CITY OF APOPKA
-	10/23/2023	SUBMIT TO CITY OF APOPKA
NO.	DATE	DESCRIPTIONS
SUBMISSIONS/REVISIONS		
VERTICAL DATUM:		NAVD 88
JOB NO.:		21-175
DESIGNED BY:		KML
DRAWN BY:		KML
CHECKED BY:		MDS
APPROVED BY:		MDS
SCALE IN FEET:		1" = 50'

Project Name:

**CROSSROADS AT
KELLY PARK -
PHASES 2A-1 & 2A-2**

Jurisdiction:

CITY of APOPKA, FL

Sheet Title:

**NICKERBEAN
STREET
PLAN & PROFILE**

Sheet No.:

C6.07

Seal:

MARC DANIEL STEHLI
LICENSE
No. 52781
STATE OF
FLORIDA
Professional Engineer
March 6, 2025

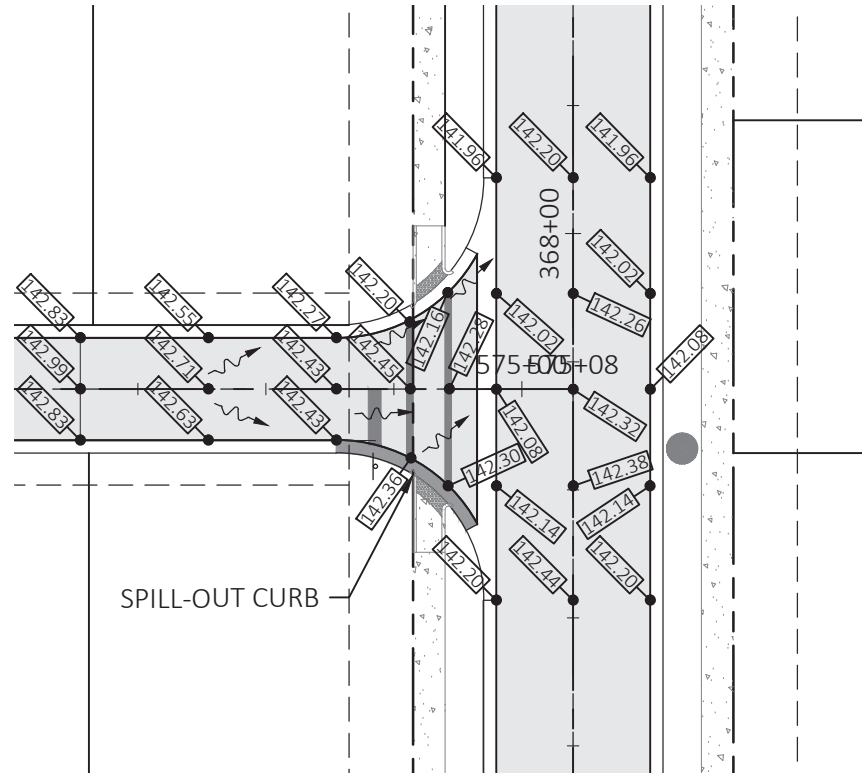
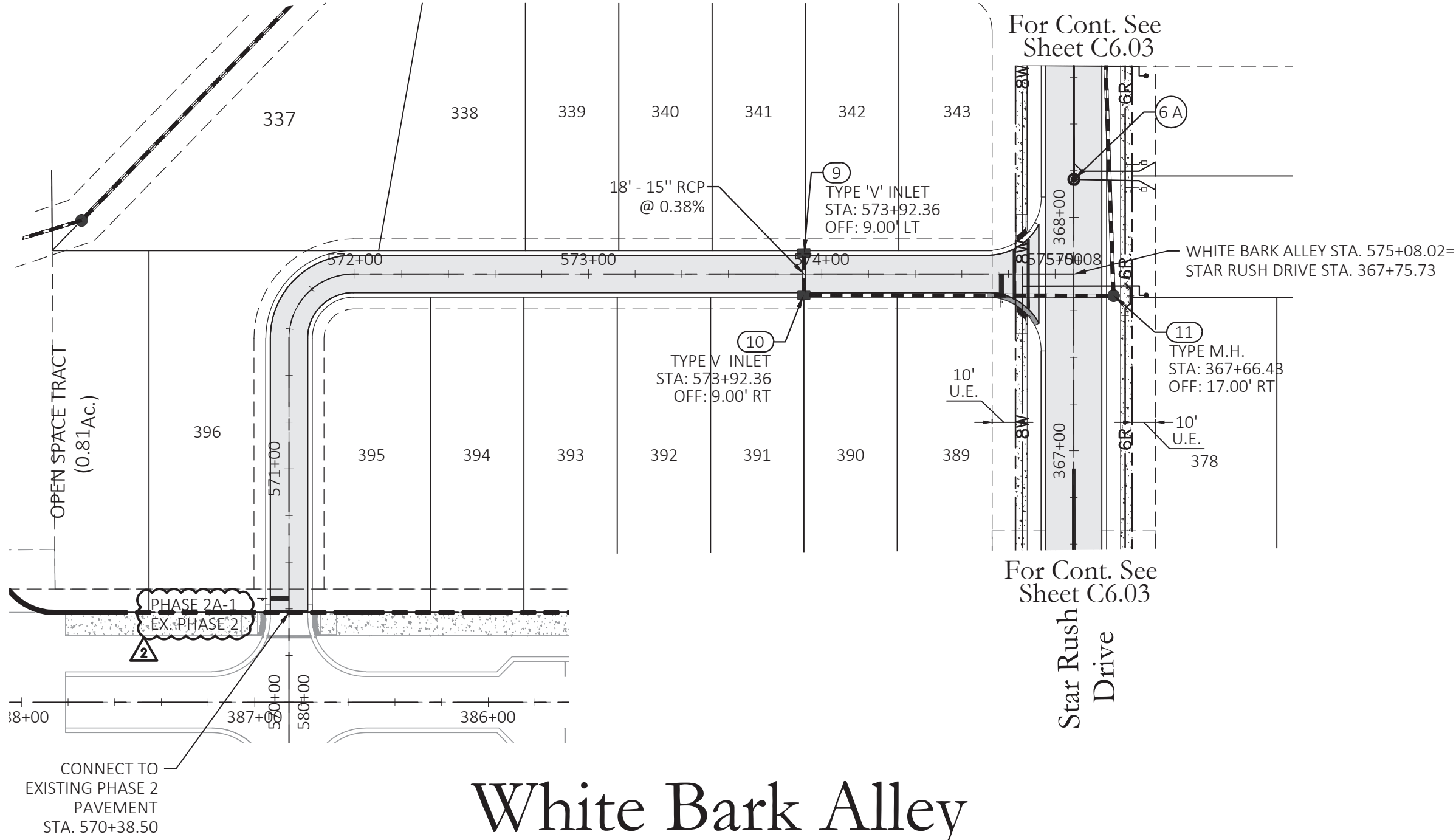
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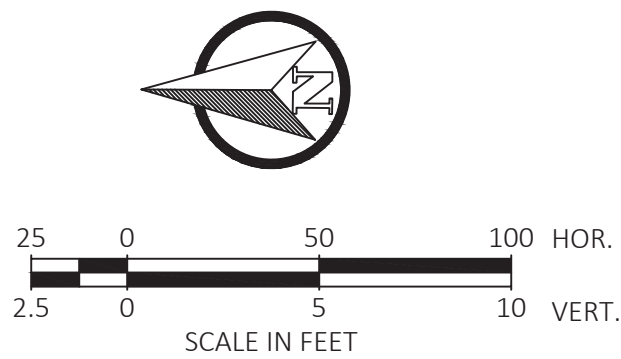
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Z:\2021\21-027 GALWIN - KELLY PARK PARCELS\CAD\FINAL\CITY\PHASE 1-2A\21-027-PHASE 1-2A-PP WHITE BARK ALLEY

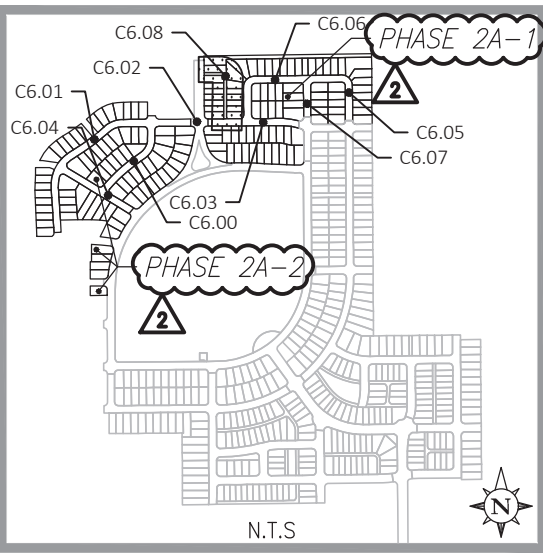
- NOTES:
1. PROVIDE 3' MIN. HORIZONTAL SEPARATION BETWEEN SANITARY SEWER AND EDGE OF PAVEMENT.
 2. PROVIDE 3' MIN HORIZONTAL SEPARATION BETWEEN WATERMAIN / RECLAIMED WATERMAIN AND STORMWATER DRAINAGE STRUCTURES.
 3. PROVIDE 10' UTILITY EASEMENT ALONG ALL PROPOSED RIGHT-OF-WAY.
 4. ALL UTILITIES (INCLUDING PUMP STATION IF APPLICABLE) LOCATED OUTSIDE PUBLIC RIGHT-OF-WAYS AND PUBLIC EASEMENTS SHALL BE PRIVATELY OWNED AND MAINTAINED.
 5. PROVIDE 36" MIN. COVER BETWEEN PROPOSED GRADE AND TOP OF POTABLE WATER, RECLAIMED WATER, AND FORCEMAIN PIPE.
 6. 'V' INLETS TO BE CONSTRUCTED PER FDOT STANDARD INDEX 425-041 INCLUDING CURB TRANSITION.



White Bark Alley &
Star Rush Drive Intersection
1"=30'



Key Map:



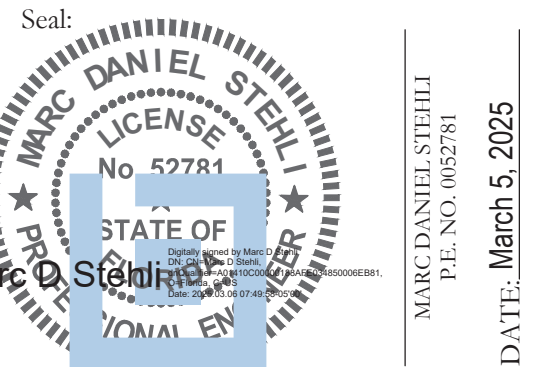
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1	01/05/2024	RESUBMIT TO CITY OF APOPKA
	10/23/2023	SUBMIT TO CITY OF APOPKA
NO.	DATE	DESCRIPTIONS
SUBMISSIONS/REVISIONS		
VERTICAL DATUM:		NAVD 88
JOB NO.:		21-175
DESIGNED BY:		KML
DRAWN BY:		KML
CHECKED BY:		MDS
APPROVED BY:		MDS
SCALE IN FEET:		1" = 50'
Project Name:		

CROSSROADS AT KELLY PARK - PHASES 2A-1 & 2A-2

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
**WHITE BARK ALLEY
PLAN & PROFILE**

Sheet No.:
C6.08

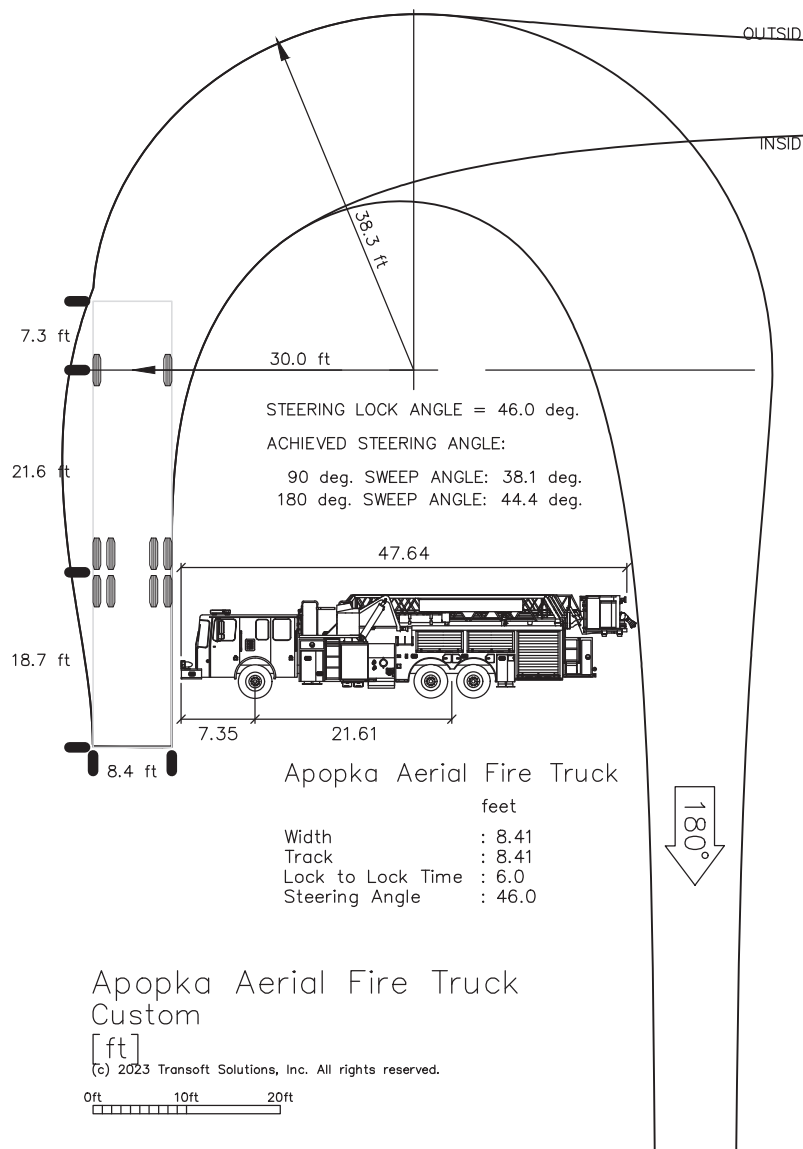
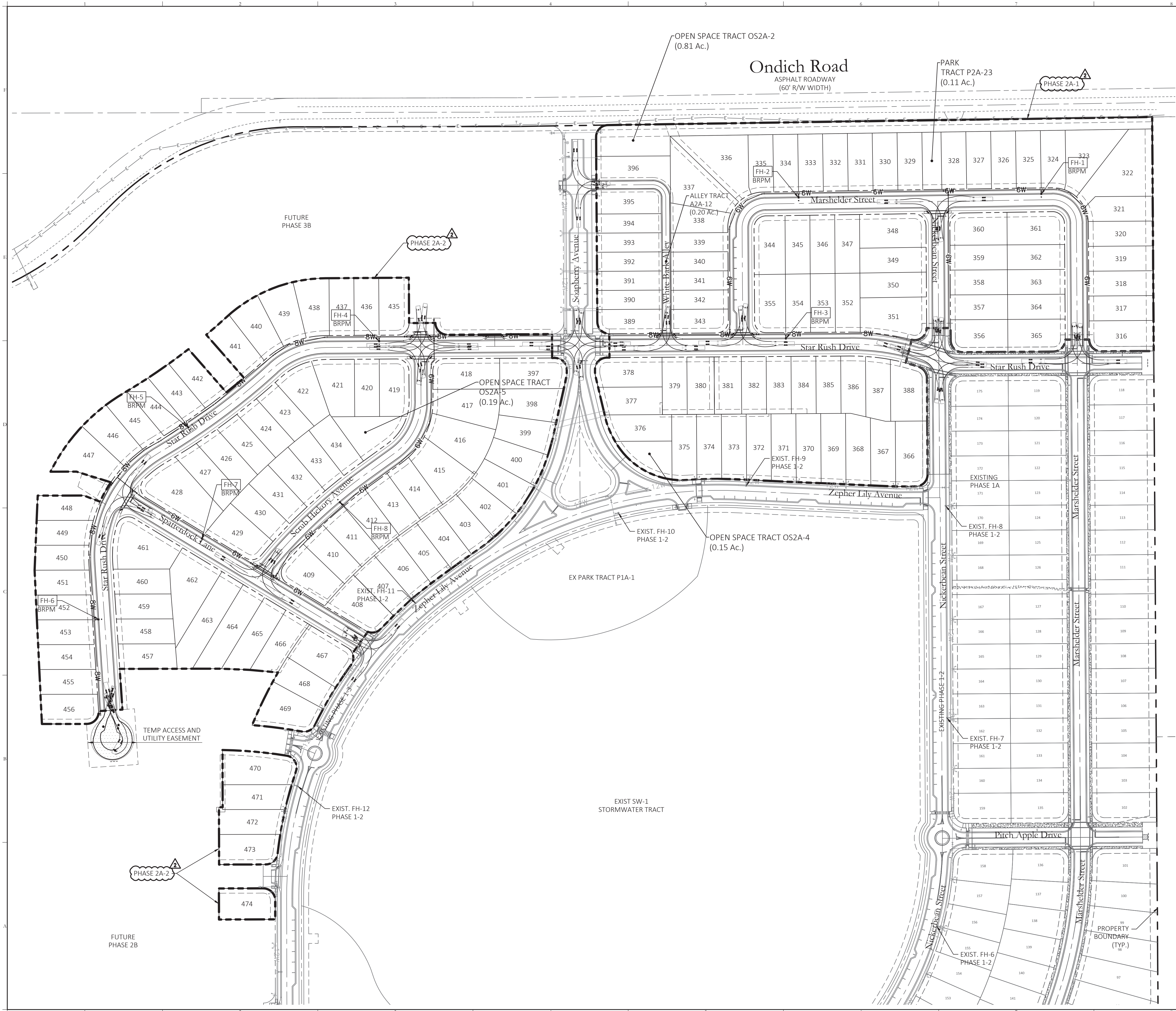


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Z:\2021\21-027 GALWIN - KELLY PARK PARCELS\CAD\FINAL\CITY\PHASE 1-2A\21-027-PHASE 1-2A-FPP



- NOTES:**
1. FIRE HYDRANTS SHALL BE INSTALLED SO THAT THE DESIGN AND CALCULATIONS MEET THE REQUIREMENTS IN THE CITY OF APOPKA SUBDIVISION REGULATIONS AND THE FFPC 7TH EDITION AND NFPA
 2. FIRE ACCESS SHALL BE FROM THE FRONT OF THE PROPOSED DWELLING UNITS. ALLEYS HAVE BEEN DESIGNED FOR FIRE ACCESS WHERE REQUIRED. ACCESS SHALL BE IN ACCORDANCE WITH CHAPTER 18 OF THE FFPC 7TH EDITION AND NFPA 1(2018) WITH FLORIDA AMENDMENTS.
 3. FIRE HYDRANTS SHALL BE PROVIDED FOR DETACHED ONE- AND TWO- FAMILY DWELLINGS IN ACCORDANCE WITH BOTH OF THE FOLLOWING:
 - 3.1 THE MAXIMUM DISTANCE TO A FIRE HYDRANT FROM THE CLOSEST POINT ON THE BUILDING SHALL NOT EXCEED 250 FEET
 - 3.2 THE MAXIMUM DISTANCE BETWEEN FIRE HYDRANTS SHALL NOT EXCEED 500 FEET.
 4. FIRE HYDRANTS SHALL BE PROVIDED FOR BUILDINGS OTHER THAN DETACHED ONE- AND TWO-FAMILY DWELLINGS IN ACCORDANCE WITH BOTH OF THE FOLLOWING:
 - 4.1 THE MAXIMUM DISTANCE TO A FIRE HYDRANT FROM THE CLOSEST POINT ON THE BUILDING SHALL NOT EXCEED 250 FEET.
 - 4.2 THE MAXIMUM DISTANCE BETWEEN FIRE HYDRANTS SHALL NOT EXCEED 500 FEET.
 5. NEEDED FIRE FLOW FOR SINGLE FAMILY DWELLINGS SHALL BE AS FOLLOWS: HOMES 5,000 S.F. OR LESS 1,000 GPM; HOMES EXCEEDING 5,000 S.F. SHALL PROVIDE FIRE FLOW IN ACCORDANCE WITH TABLE 18.4.5.2. 1OF THE FFPC 7TH EDITION AND NFPA 1(2018) WITH FLORIDA AMENDMENTS. REDUCTION OF FIRE FLOW MAY BE PERMITTED IF DWELLING IS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM OR SEPARATED FROM OTHER STRUCTURES BY 30 FEET BUT IN NO CASE SHALL THE FIRE FLOW BE LESS THAN 500 GPM PER 18.4.5 FFPC 7TH EDITION AND NFPA 1(2018) WITH FLORIDA AMENDMENTS.
 6. DURING CONSTRUCTION, WHEN COMBUSTIBLES ARE BROUGHT ON TO THE SITE, ACCESS ROADS AND A SUITABLE TEMPORARY OR PERMANENT SUPPLY OF WATER ACCEPTABLE TO THE WIRE DEPARTMENT SHALL BE PROVIDED AND MAINTAINED PER FFPC 7TH EDITION AND N GPA 1(2018) WITH FLORIDA AMENDMENTS.
 7. ALL PRIMARY BUILDING STRUCTURES SHALL BE LOCATED ON LOTS SUCH THAT THE FIRE DEPARTMENT ACCESS ROAD IS WITHIN 50 FT. OF AN EXTERIOR DOOR IN ACCORDANCE WITH 18.2.3.2. 1OF THE FFPC 7TH EDITION AND NFPA 1(2018) WITH FLORIDA AMENDMENTS
 8. STREET DESIGN CAN ACCOMMODATE LARGE TRUCKS, FIRE TRUCKS, MOVING COMPANY SEMITRUCKS WB-40 AND GARBAGE TRUCKS AND BASED ON THE CENTERLINE MINIMUM RADIUS OF 50.0'.
 9. ALL ROUNDABOUTS SHALL INCORPORATE A CONCRETE MOUNTABLE APRON TO ALLOW FIRE TRUCKS TO MANEUVER THROUGH THE INTERSECTION.
 10. FIRE HYDRANTS SHALL BE LOCATED 5 FEET TO 7 FEET FROM THE EDGE OF PAVEMENT TO CENTER OF HYDRANTS
 11. CONTRACTOR SHALL INSTALL BLUE REFLECTIVE PAVEMENT MARKING IN THE CENTER OF THE ADJACENT TRAVEL LANE IN FRONT OF ALL FIRE HYDRANTS.

Key Map:



2	03/05/2025	RESUBMIT TO CITY OF APOPKA
1	01/05/2024	RESUBMIT TO CITY OF APOPKA
1	10/23/2023	SUBMIT TO CITY OF APOPKA
NO.	DATE:	DESCRIPTIONS:
SUBMISSIONS/REVISIONS		
VERTICAL DATUM:		NAVD 88
JOB NO.:		21-175
DESIGNED BY:		KML
DRAWN BY:		KML
CHECKED BY:		MDS
APPROVED BY:		MDS
SCALE IN FEET:		1" = 100'
Project Name:		

CROSSROADS AT KELLY PARK - PHASES 2A-1 & 2A-2

Jurisdiction:
CITY of APOPKA, FL

Sheet Title:
**FIRE
PROTECTION
PLAN**

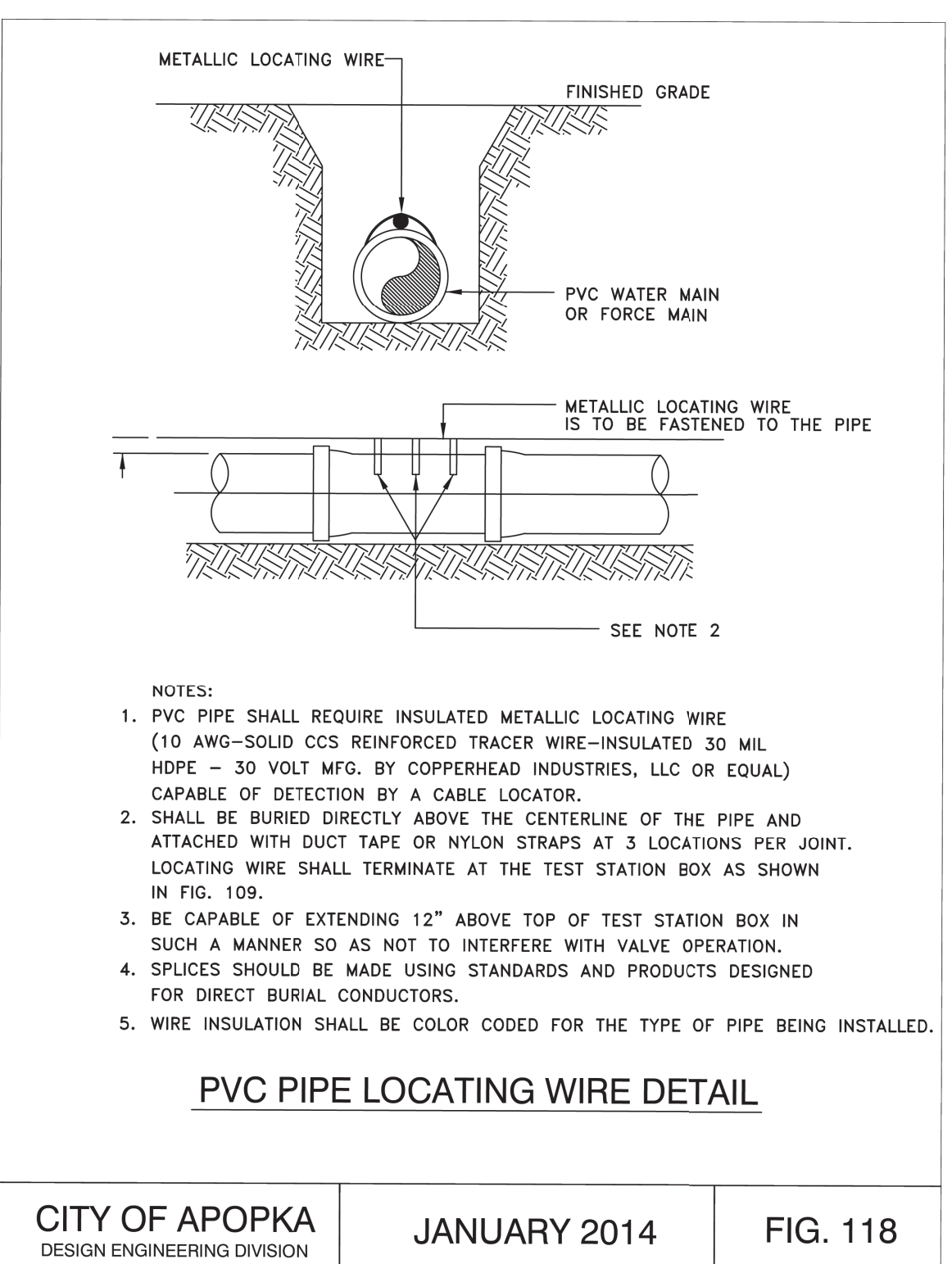
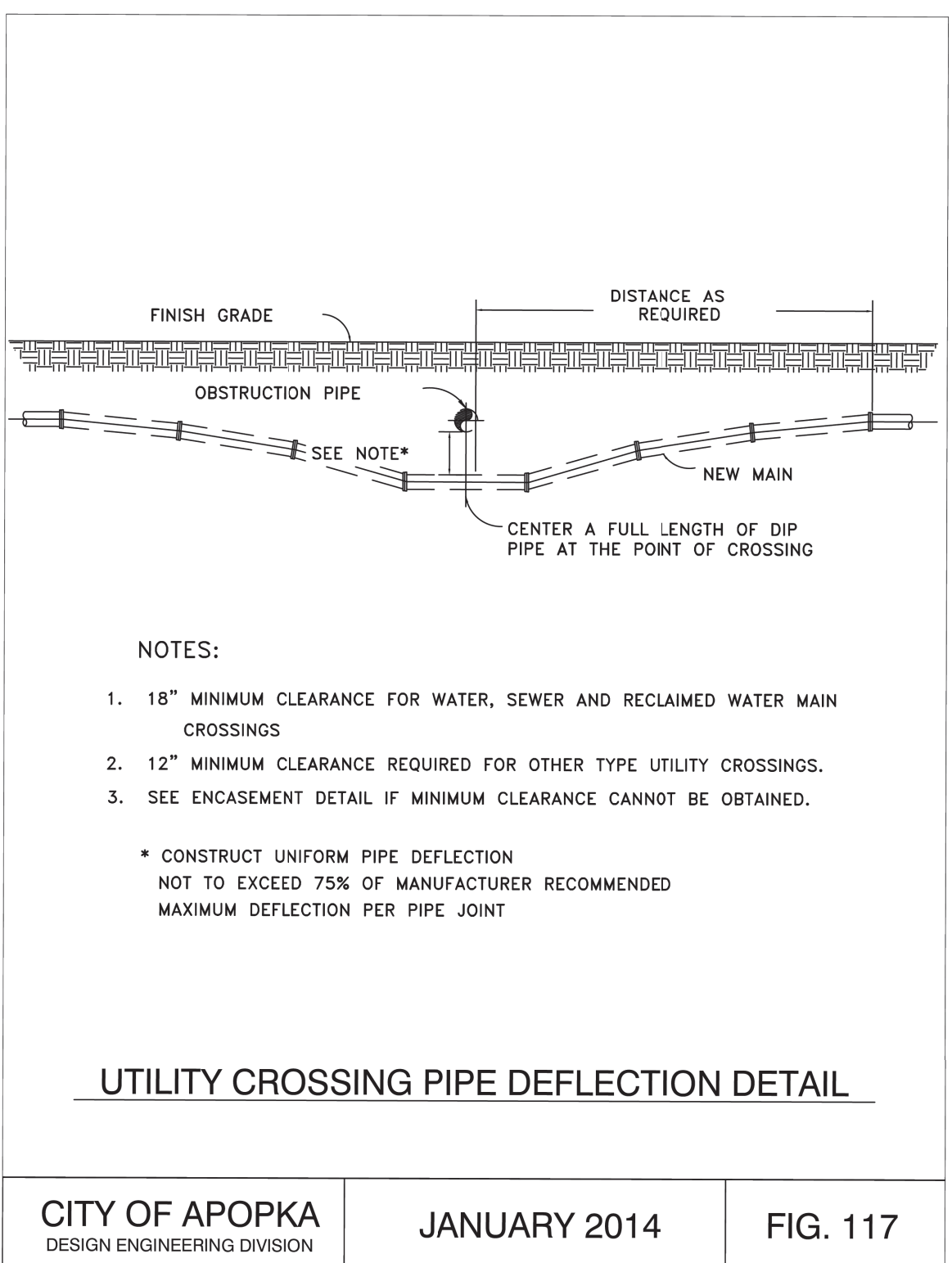
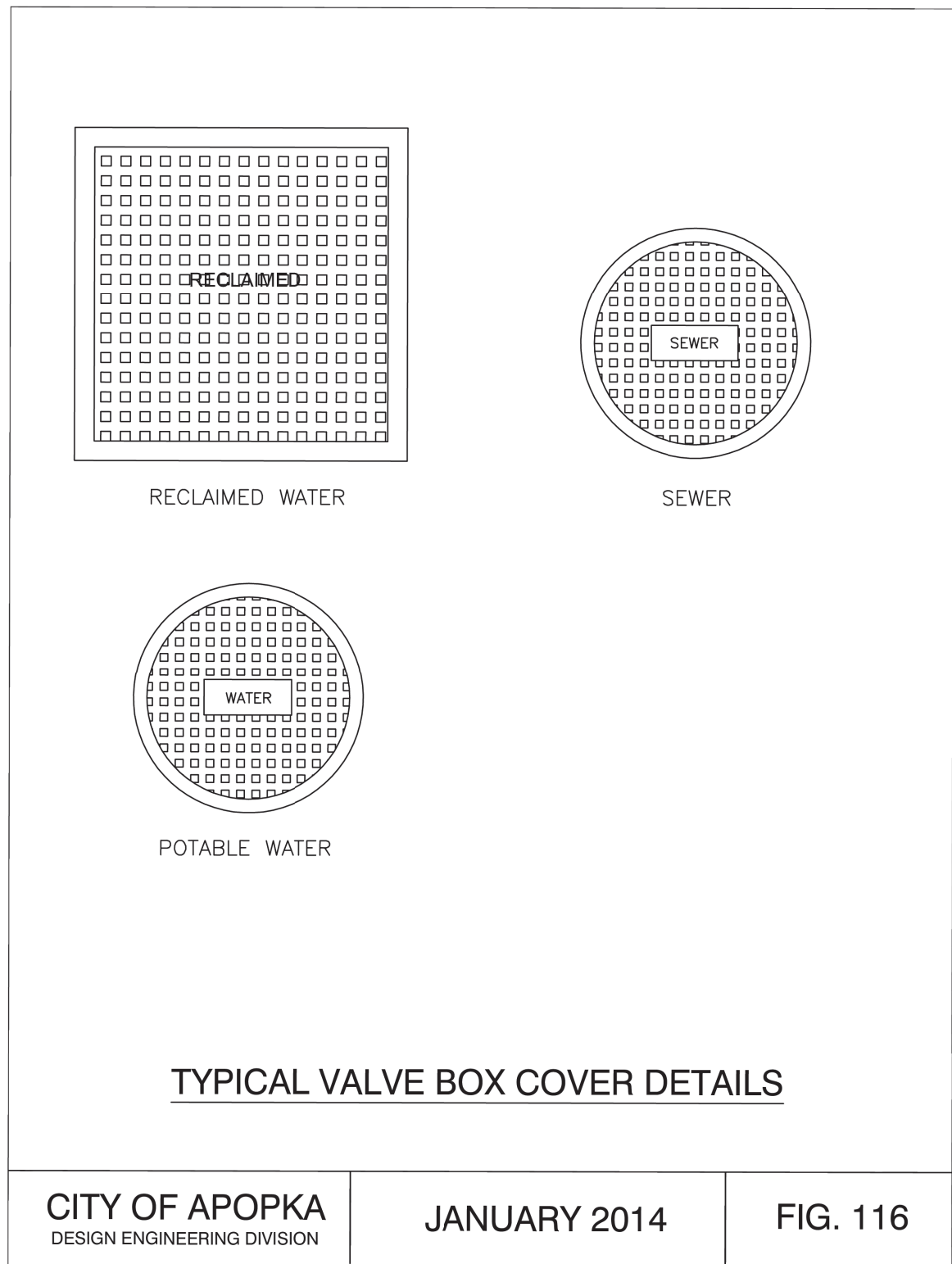
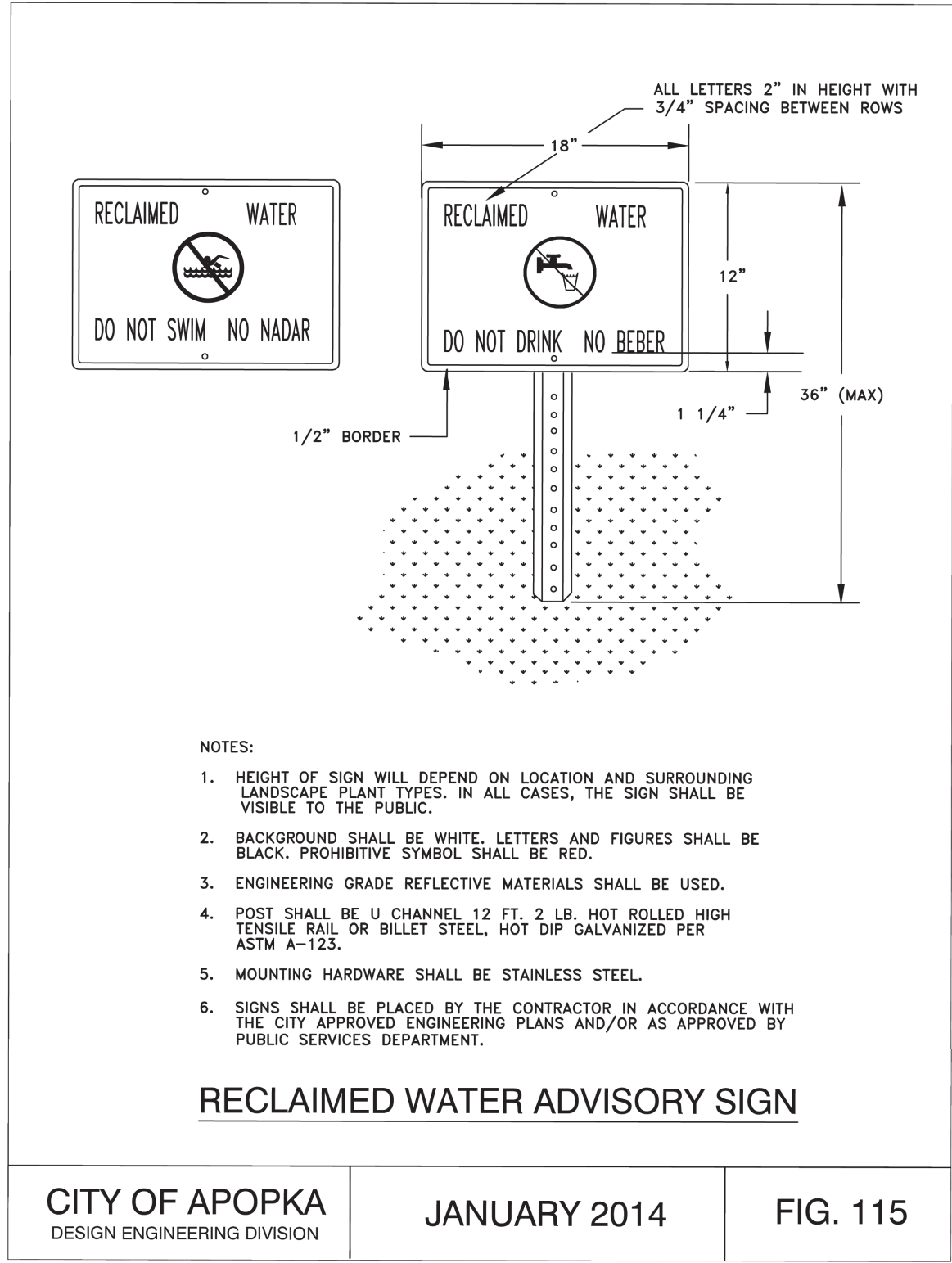
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Eng. Bus. No. 28567



2 03/05/2025 RESUBMIT TO CITY OF APOPKA

1 01/03/2024 RESUBMIT TO CITY OF APOPKA

10/23/2023 SUBMIT TO CITY OF APOPKA

NO. DATE DESCRIPTIONS
SUBMISSIONS/REVISIONS

VERTICAL DATUM: NAVD 88

JOB NO.: 21-175

DESIGNED BY: KML

DRAWN BY: KML

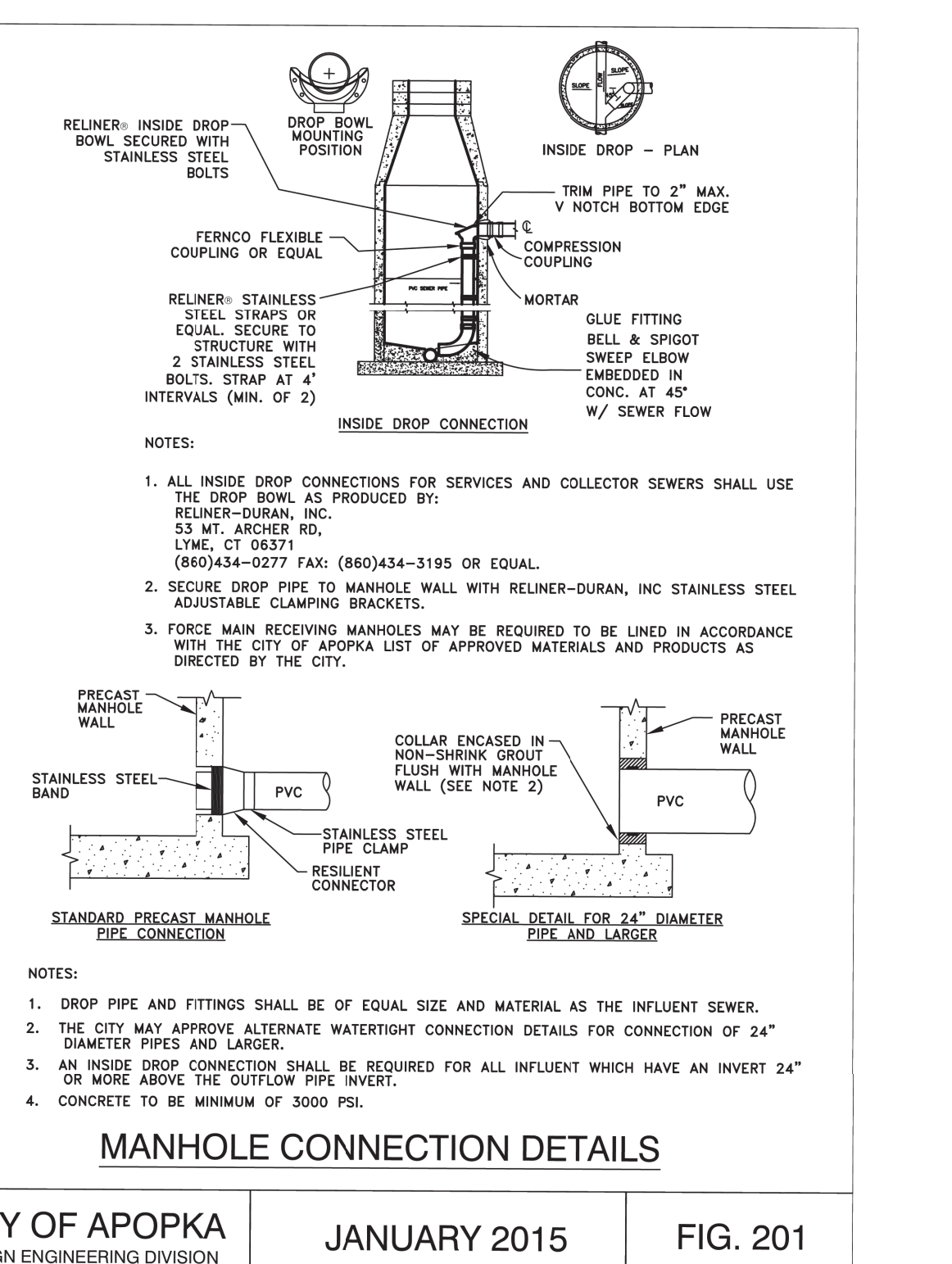
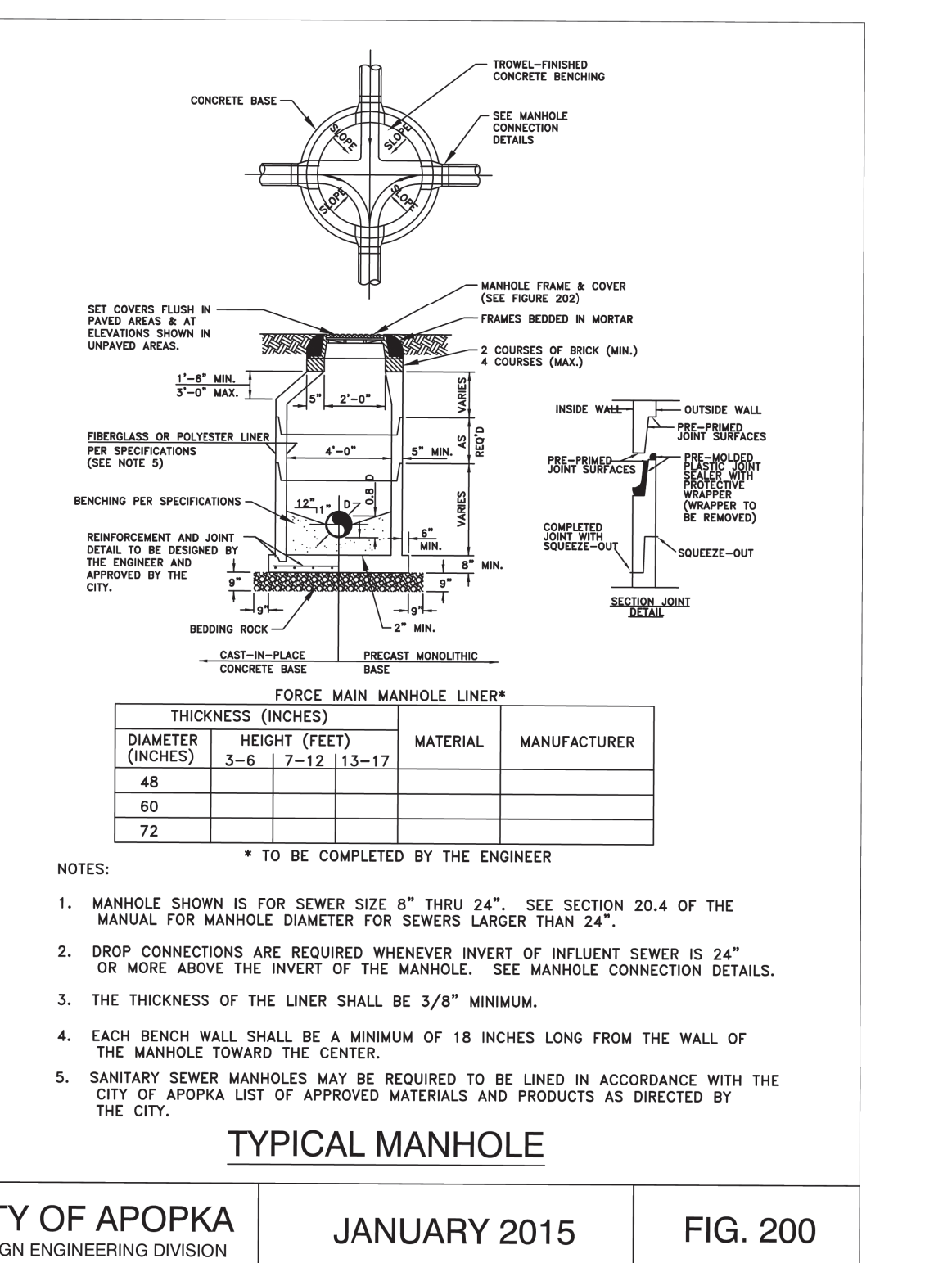
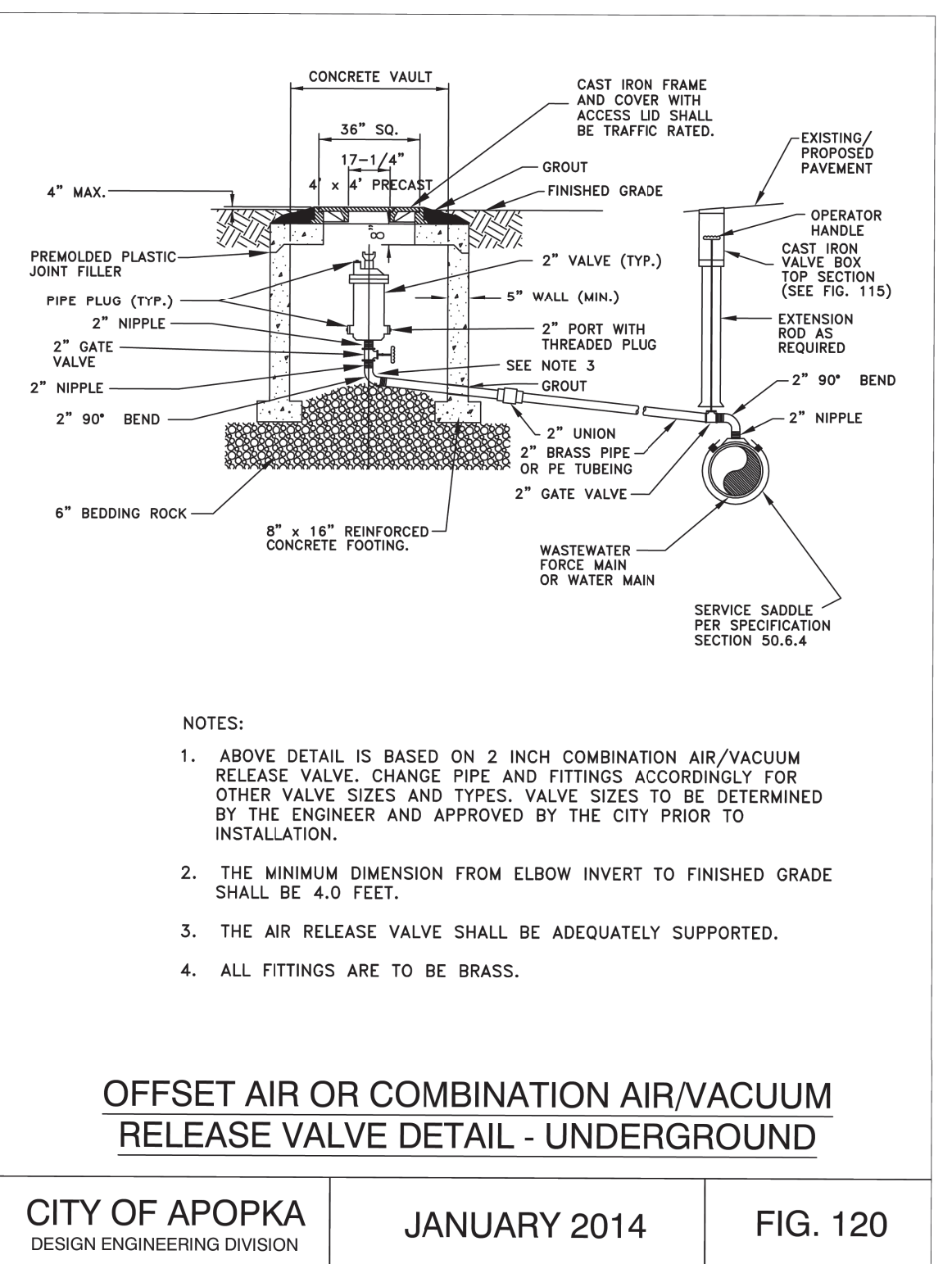
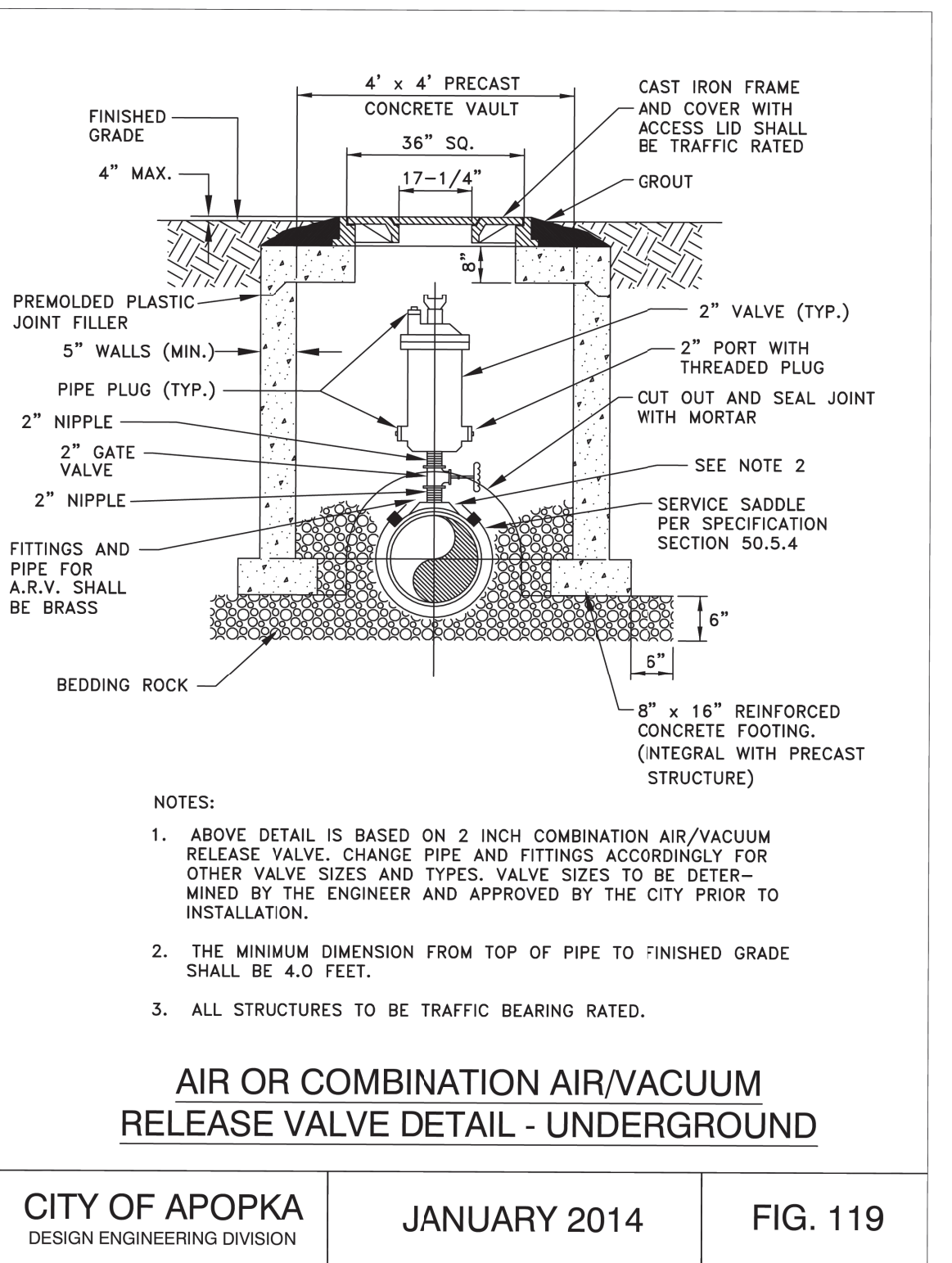
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APPROVED BY: MDS

SCALE IN FEET: N.T.S.

Project Name:

CROSSROADS AT
KELLY PARK -
PHASES 2A-1 & 2A-2



Jurisdiction:

CITY of APOPKA, FL

Sheet Title:

APOPKA
CONSTRUCTION
DETAILS

Sheet No.:

C9.11

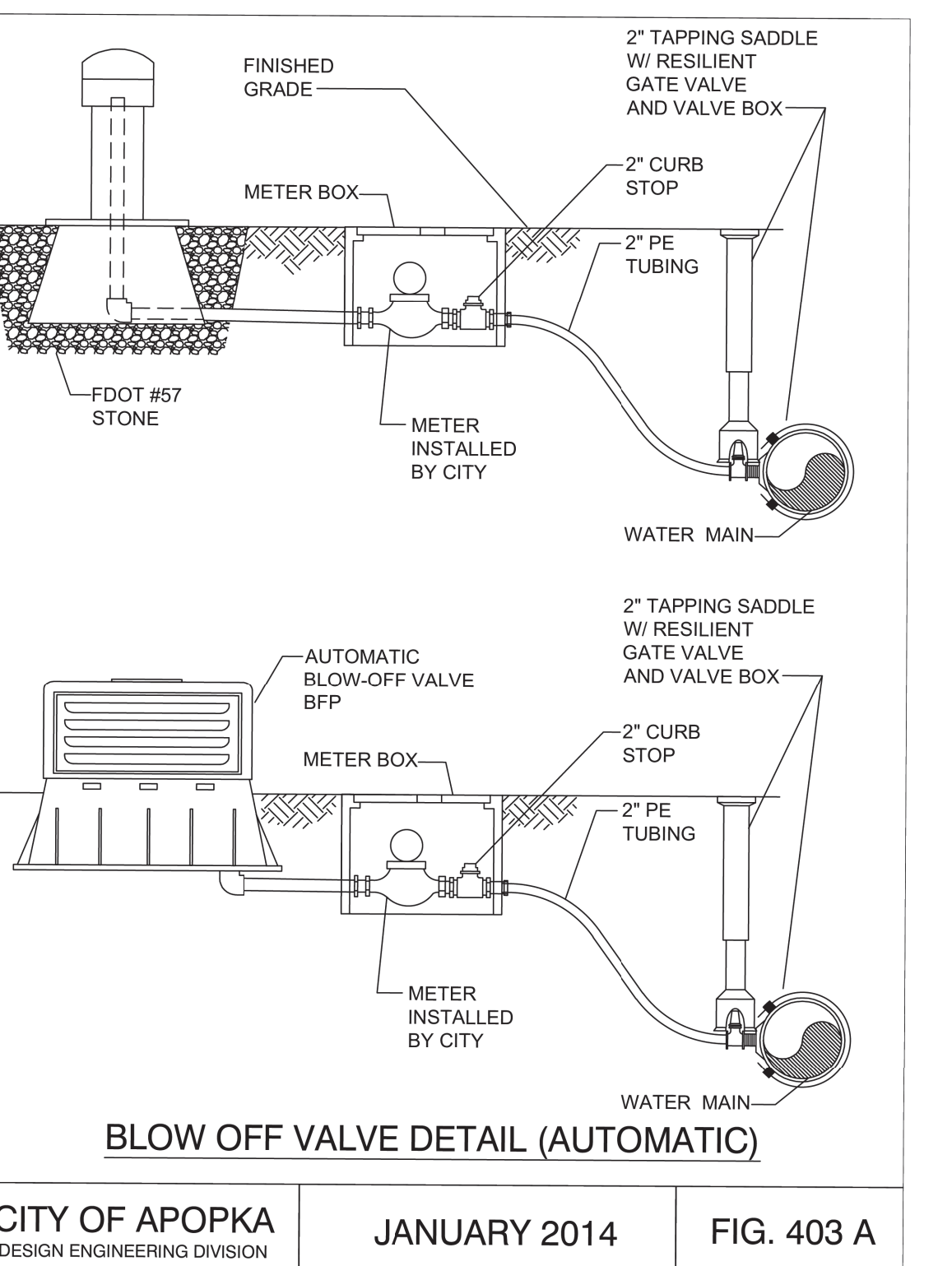
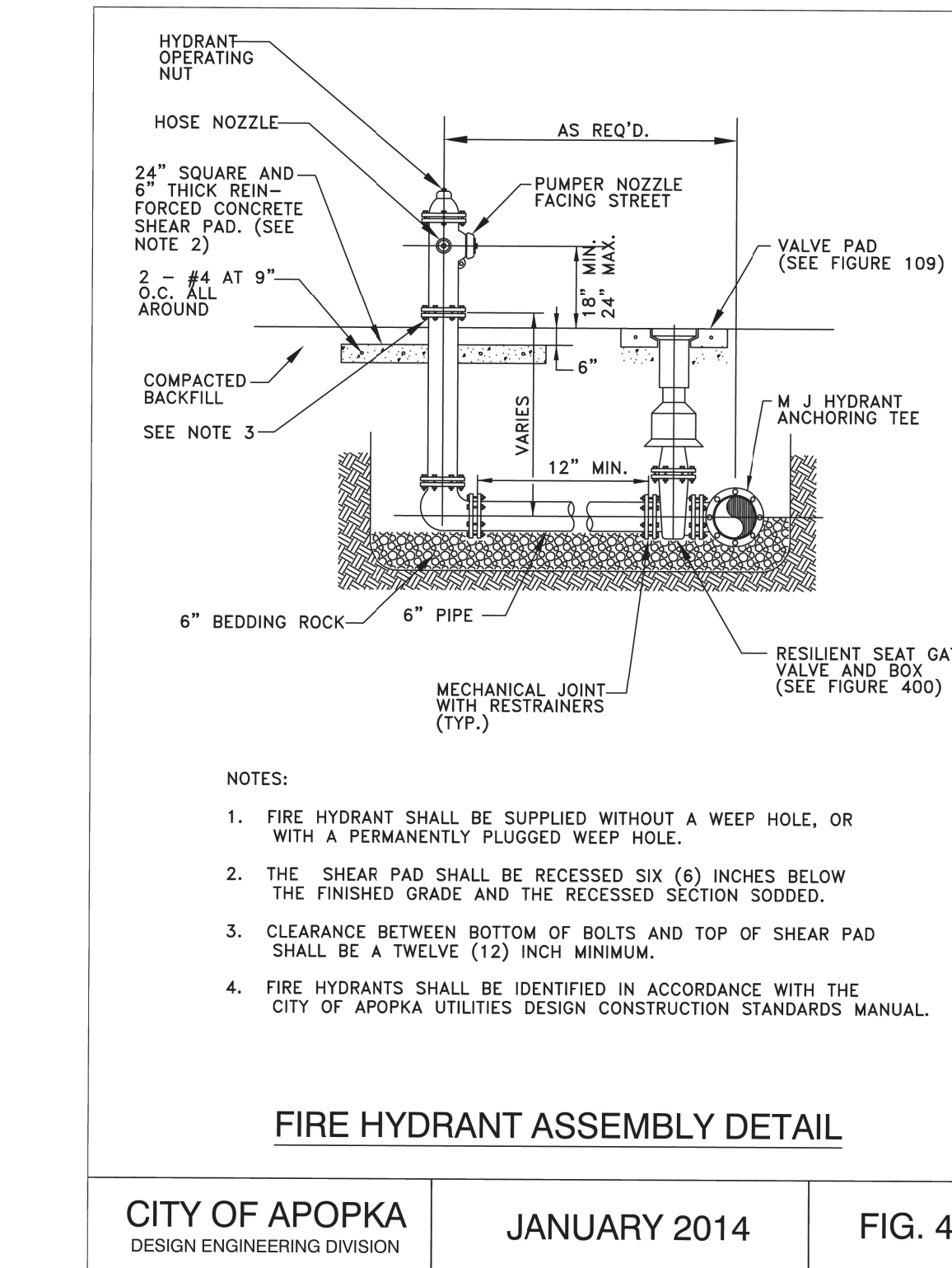
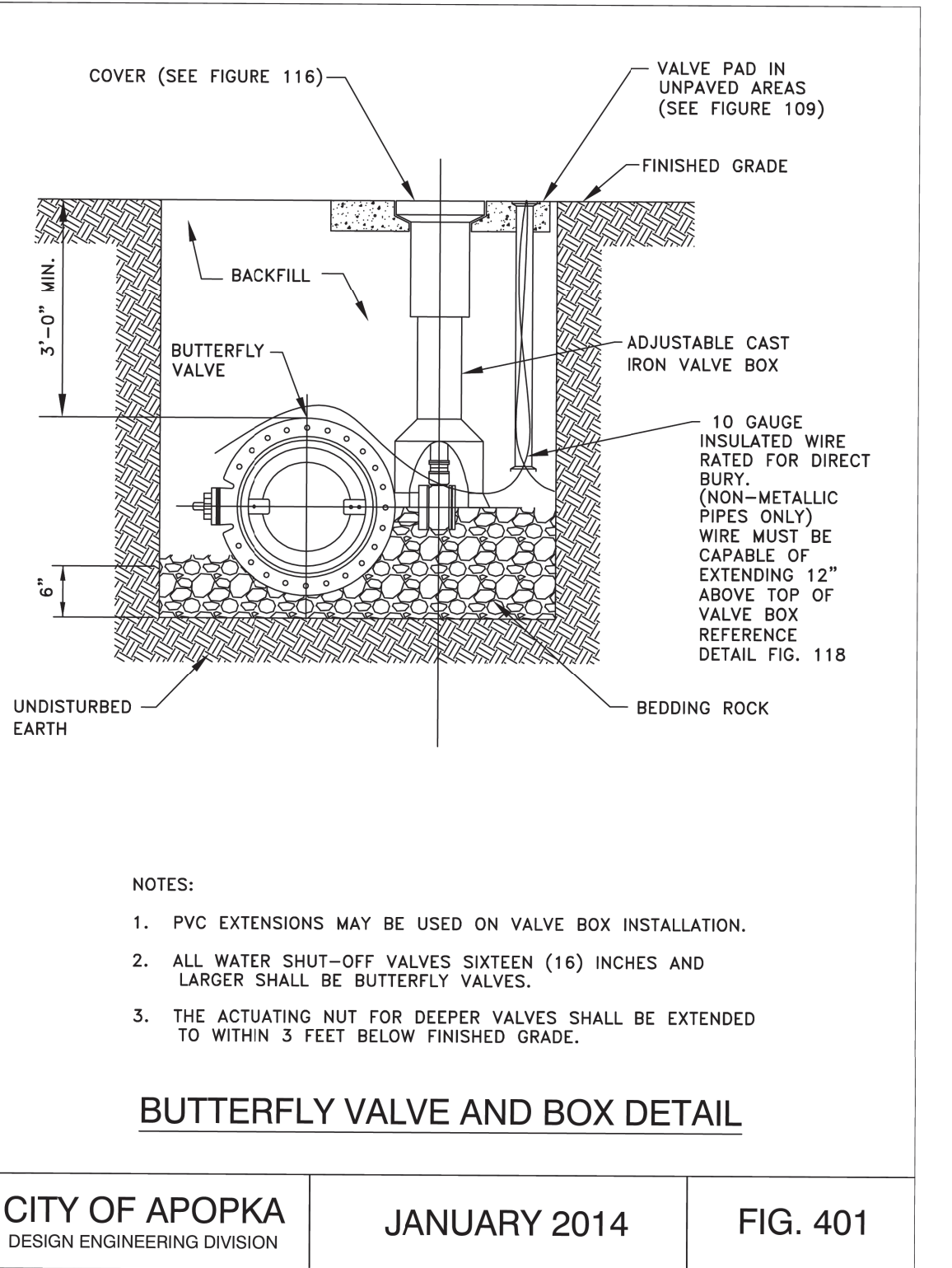
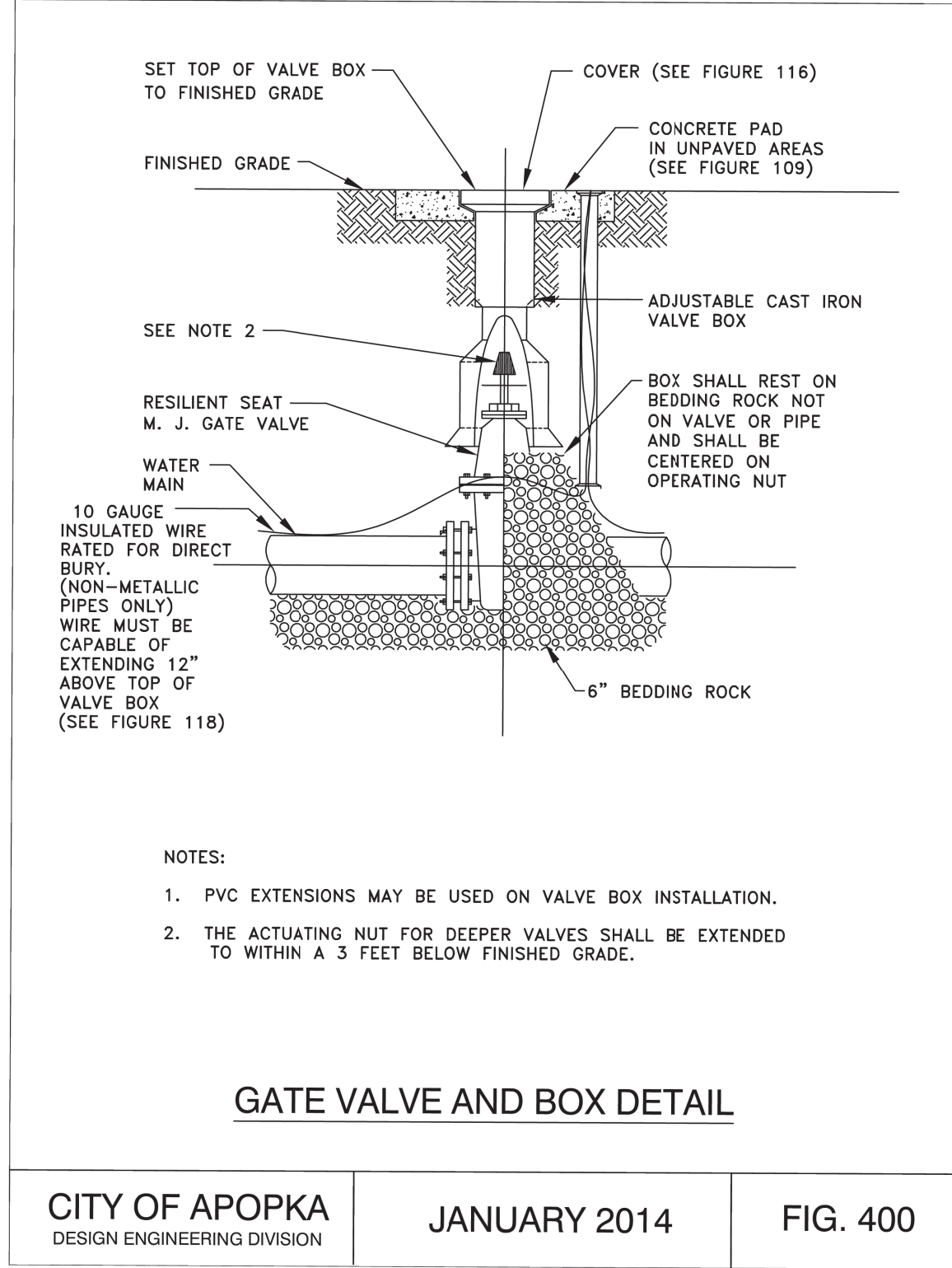
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MARC DANIEL STEHLI
LICENSE
No. 52784
STATE OF FLORIDA
Professional Engineer
March 5, 2025

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Jurisdiction: CITY of APOPKA, FL

Sheet Title: **APOPKA CONSTRUCTION DETAILS**

Sheet No.: **C9.12**

Scale:



MARC DANIEL STEHL
LICENSE
No. 52781
STATE OF FLORIDA
Professional Engineer
Exp. 12/31/2025

MARC DANIEL STEHL
P.E. NO. 0652781
DATE: **March 5, 2025**

POULOS & BENNETT

Poulos & Bennett, LLC
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Tel. 407.487.2594 www.poulosandbennett.com
Eng. Bus. No. 28567

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