APOPKA DEVELOPMENT REVIEW COMMITTEE AGENDA
August 12, 2026 9:00 AM
Apopka City Hall Commission Chambers

PUBLIC COMMENT PERIOD

SPECIAL EVENTS

1. **E-26-20 - Pines of Wekiva Holiday Festival - Wekiva Pines Blvd, Pines of Wekiva Neighborhood - December 5th 2026, 10:00am - 2:00pm**
   Owner(s): Pines of Wekiva Subdivision
   Applicant(s): Michelle Ramharack
   Location: Pines of Wekiva Subdivision
   Proposed Use: Street Festival
   Project Manager: Carolyn Ray

2. **E-26-15 - The Heart & Soul Music Festival - Apopka Amphitheater, 3710 Jason Dwelley Parkway - October 10th 2026, 2:00pm - 10:00pm**
   Owner(s): WHPB Inc
   Applicant(s): Paul Billings
   Location: Apopka Amphitheater - 3710 Jason Dwelley Parkway
   Proposed Use: Festival/Celebration
   Project Manager: Carolyn Ray

3. **E-26-16 - Florida Five - Kit Land Nelson Park, 10 North Forest Avenue - February 19th 2027, 7:00am - 4:30pm**
   Owner(s): Wingman Running Company
   Applicant(s): Steven Cournoyer
   Location: Kit Land Nelson Park - 10 North Forest Avenue
   Proposed Use: Organized Walk/Run
   Project Manager: Carolyn Ray

4. **E-26-21 - Apopka Police Halloween Highway - 66 East Station Street - October 28th 2026, 4:00pm - 6:00pm**
   Owner(s): City of Apopka
   Applicant(s): City of Apopka - Mark Creaser
   Location: 66 E Station Street
   Proposed Use:Trick or Treat Drive Thru
   Project Manager: Carolyn Ray

SPECIAL EXCEPTION

1. **SPX-26-1 - Carolina Textiles Outdoor Storage Overnight Parking - Special Exception (SPX), (3rd Submittal)**
   Owner(s): Carolina Textiles - Brad Grossman
   Applicant(s): Beaufort Design Build - Adam Biery
   Location: 300 S Bradshaw Road
   Proposed Use: Special Exception - Outdoor Storage/Overnight Parking
   Project Manager: Jun Sohn

SITE PLAN:

CONSTRUCTION SITE PLAN

1. **CSP-26-31 - Wyld Oaks Road C Extension - Construction Site Plan (CSP), (1st Submittal)**
   Owner(s): Kevin Barry
   Applicant(s): Kimley-Horn and Associates Inc - Mackenzie Cerjan
   Location: W Kelly Park Road between Effie Drive and Highway 429
   Project: Development of approximately 600 LF of Access Roads
   Project Manager: Jean Sanchez

SUBDIVISION PLAN

1. **CSP-26-33 - Ridgebrooke Subdivision (aka Plymouth Harbor) Amendment - Construction Site Plan (CSP), (1st Submittal)**
   Owner(s): TPG AG EHC III (LEN) MULTI STATE 5 LL
   Applicant(s): G L Summitt Engineering Inc - Geoffrey Summitt
   Location: 1056 Bailey Hill Road, Sorrento Avenue, 2244 Sorrento Avenue, 2260, 2304, 2404 Plymouth Sorrento Road
   Proposed Use: Revision to approved CSP to adjust lot depth and add additional open space
   Project Manager: Bobby Howell, AICP

ITEMS FOR DISCUSSION

ADJOURNMENT

Record No: E-26-20

Apopka Special Event Permit

Status: Active

Submitted On: 7/20/2026

Primary Location

No location

Owner

No owner information

Applicant

Michelle Ramharack

[redacted]

Special Event Permit Application

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

Name of the Event*

Pines of Wekiva Holiday Festival

Event Date*

12/05/2026

Type of Event*

Street Festival

Facility or Location*

Other

Additional event details*

The holiday festival will be on the main street inside of our community, Wekiva Pines BLVD

Event Applicant

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

Once we have the complete special event application we will schedule for review and approval. No applications will be accepted for events withing 60 days.

Organization Name*

Pines of Wekiva

Organization Address*

[redacted]

Contact Person's Email*

[redacted]

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

No

Dates & Times

Event Start Date*

12/05/2026

Event End Date*

12/05/2026

Is your event multiple days?*

No

Event Time (Start & End Time)*

10am to 2pm

Load in date

12/05/2026

Load in Time

9am

Load out Date

12/05/2026

Load out time*

2pm

Expected Attendance*

100

Event Details

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

–

Will there be food food trucks?*

Yes

Will you be bringing in portable toilets?

No

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

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

Pines Of Wekiva Board Members (5)

Will your event include tents?

Yes

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

5x5

Will you be serving alcohol at your event?*

No

Does your event require a road closure?*

Yes

Time of road Closure

10am to 2pm

Will you be hiring private security?*

No

Location Details - If on private property

Property Type*

Public

Address of other locations*

Pines of wekiva BLVD

Acknowledgements

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

provided in section 768.28, Florida Statutes. This agreement shall be governed by the laws of the State of Florida, and venue shall lie exclusively in Orange County, Florida.*

☑

Insurance Requirements for Events

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

☑

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

☑

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

☑

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

☑

Applicant Signature*

Michelle Ramharack
Jul 19, 2026

Date*

07/19/2026

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

HUMAN TRAFFICKING AFFIDAVIT Instruction: "Vendor", defined as any person or nongovernmental entity seeking to engage in business with the City of Apopka, must complete the following form. The undersigned, on behalf of the Vendor, hereby attests as follows: A. Vendor understands and affirms that Section 787.06(13), Florida Statutes, prohibits the City from executing, renewing, or extending a contract to entities that use coercion for labor or services, with such terms defined as follows: · "Coercion" means: (1) using or threatening to use physical force against any person; (2) restraining, isolating, or confining or threatening to restrain, isolate, or confine any person without lawful authority and against her or his will; (3) using lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or services are not respectively limited and defined; (4) destroying, concealing, removing, confiscating, withholding, or possessing any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person; (5) causing or threatening to cause financial harm to any person; (6) enticing or luring any person by fraud or deceit; or (7) providing a controlled substance as outlined in Schedule I or Schedule II of Section 893.03, Florida Statutes, to any person for the purpose of exploitation of that person. · "Labor" means work of economic or financial value. · "Services" means any act committed at the behest of, under the supervision of, or for the benefit of another. The term includes, but is not limited to, forced marriage, servitude, or the removal of organs. B. Vendor hereby attests, under penalty of perjury, that Vendor does not use coercion for labor or services as defined in Section 787.06(2), Florida Statutes. I, the undersigned, am an officer or representative of the nongovernmental entity named below, and hereby represent that I: make

provided in §768.28, Florida Statutes. The original insurance certificates, and all requested extensions to the insurance certificate, shall be sent to: City of Apopka 120 East Main Street Apopka, Florida 32703 Renter/Applicant/Event Organizer/Organization is solely responsible for all applicable policy premiums, deductibles, and/or self-insured retention attached to any required coverages. Said insurance coverages procured by Renter/Applicant/Event Organizer/Organization as required herein, including but not limited to any excess and/or umbrella coverages, shall be considered, and Renter/Applicant/Event Organizer/Organization agrees that said insurance coverages it procures as required herein shall be considered, as primary insurance over and above any other insurance, or self–insurance, available to the City, and that any other insurance, or self-insurance available to the City shall be considered secondary to, or in excess of, the insurance coverage(s) procured by Renter/Applicant/ Event Organizer/Organization, as required herein. Renter/Applicant/Event Organizer/Organization shall require and verify that all subcontractors, including but not limited to concessionaires, vendors, exhibitors, event security firm(s), concert technical and/or production firm(s), and entertainers, maintain insurance meeting all of the requirements stated herein, and include the City of Apopka as an additional insured. Furthermore, the insurance policy held by the Renter/Applicant/Event Organizer/Organization shall have no endorsement(s) restricting, limiting or excluding the subcontractors or work on behalf of the Renter/Applicant/Event Organizer/Organization by a subcontractor. Upon written request, the Renter/Applicant/ Event Organizer/Organization shall provide copies of documentation that verifies the additional insured status of the City of Apopka from these subcontractors. The Renter/Applicant/Event Organizer/Organization shall remain fully liable and responsible for the performance and compliance of all contracted work, regardless of whether the work was performed in full or in part

the above attestation based upon personal knowledge; am over the age of 18 years and otherwise competent to make the above attestation; and am authorized to legally bind and make the above attestation on behalf of the Vendor. Under penalties of perjury, I declare that I have read the forgoing document and that the facts stated in it are true. Further Affiant sayeth naught.

by a subcontractor. The subcontracting of any part of this Agreement shall not relieve the Renter/Applicant/Event Organizer/Organization from any liability or obligation under the Agreement, and the acts, errors, or omissions of the Renter/Applicant/Event Organizer/Organization's subcontractors shall be deemed to be the acts, errors, or omissions of the Renter/Applicant/Event Organizer/Organization. The insurance requirements set forth herein shall not be construed to limit or reduce the indemnification obligations of the Renter/Applicant/Event Organizer/Organization.HUMAN TRAFFICKING AFFIDAVIT Instruction: "Vendor", defined as any person or nongovernmental entity seeking to engage in business with the City of Apopka, must complete the following form. The undersigned, on behalf of the Vendor, hereby attests as follows: A. Vendor understands and affirms that Section 787.06(13), Florida Statutes, prohibits the City from executing, renewing, or extending a contract to entities that use coercion for labor or services, with such terms defined as follows: · "Coercion" means: (1) using or threatening to use physical force against any person; (2) restraining, isolating, or confining or threatening to restrain, isolate, or confine any person without lawful authority and against her or his will; (3) using lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or services are not respectively limited and defined; (4) destroying, concealing, removing, confiscating, withholding, or possessing any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person; (5) causing or threatening to cause financial harm to any person; (6) enticing or luring any person by fraud or deceit; or (7) providing a controlled substance as outlined in Schedule I or Schedule II of Section 893.03, Florida Statutes, to

any person for the purpose of exploitation of that person. · "Labor" means work of economic or financial value. · "Services" means any act committed at the behest of, under the supervision of, or for the benefit of another. The term includes, but is not limited to, forced marriage, servitude, or the removal of organs. B. Vendor hereby attests, under penalty of perjury, that Vendor does not use coercion for labor or services as defined in Section 787.06(2), Florida Statutes. I, the undersigned, am an officer or representative of the nongovernmental entity named below, and hereby represent that I: make the above attestation based upon personal knowledge; am over the age of 18 years and otherwise competent to make the above attestation; and am authorized to legally bind and make the above attestation on behalf of the Vendor. Under penalties of perjury, I declare that I have read the forgoing document and that the facts stated in it are true. Further Affiant sayeth naught.

☑

Record No: E-26-15

Apopka Special Event Permit

Status: Active

Submitted On: 7/1/2026

Primary Location

No location

Owner

No owner information

Applicant

Paul Billings

[redacted]

Special Event Permit Application

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

Name of the Event*

The Heart & Soul Music Festival

Event Date*

10/10/2026

Type of Event*

Festival/Celebration

Facility or Location*

Apopka Amphitheater

Additional event details*

Annual Cultural Music Festival supporting local non profits

Event Applicant

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

Once we have the complete special event application we will schedule for review and approval. No applications will be accepted for events withing 60 days.

Organization Name*

WHPB Inc

Organization Address*

[redacted]

Contact Person's Email*

[redacted]

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

Yes

Dates & Times

Event Start Date*

10/10/2026

Event End Date*

10/10/2026

Is your event multiple days?*

No

Event Time (Start & End Time)*

4pm-10pm, Gates open at 2:30pm

Public Gate Opening Time*

Load in date

10/09/2026

Load in Time

12pm

Load out Date

10/10/2026

Load out time*

12am

Expected Attendance*

3000

Event Details

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

Will there be food food trucks?*

Yes

Will you be bringing in portable toilets?

Yes

How many portable toilets will you be bringing?

3

Describe facilities that you will be bringing in. (Trailer, ADA, Reg units)*

Two mobile homes for dressing rooms

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

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

The Dirt Masters

Will your event include tents?

Yes

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

10 by 20

Will you be serving alcohol at your event?*

Yes

What is the name of the alcohol vendor?*

Central Florida Food trucks

Does your event require a road closure?*

No

Will you be hiring private security?*

Yes

Name of Security Company

8C Autonomous Security Agency LLC

Events held at the Amphitheater/Northwest Recreation: Event parking services will be required based on the number of attendees and will be determined during event review & approval. *

☑

Acknowledgements

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

provided in section 768.28, Florida Statutes. This agreement shall be governed by the laws of the State of Florida, and venue shall lie exclusively in Orange County, Florida.*

☑

Insurance Requirements for Events

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

☑

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

☑

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

☑

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

☑

I acknowledge that any changes to the event layout or schedule must be approved in advance, all vehicles must be cleared and parked before gates open, no vehicle movement is allowed during event hours, unused gates will remain locked, and failure to comply may result in forfeiture of the event deposit.

☑

Applicant Signature*

Paul Allen Billings
Jul 1, 2026

Date*

07/01/2026

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

provided in §768.28, Florida Statutes. The original insurance certificates, and all requested extensions to the insurance certificate, shall be sent to: City of Apopka 120 East Main Street Apopka, Florida 32703 Renter/Applicant/Event Organizer/Organization is solely responsible for all applicable policy premiums, deductibles, and/or self-insured retention attached to any required coverages. Said insurance coverages procured by Renter/Applicant/Event Organizer/Organization as required herein, including but not limited to any excess and/or umbrella coverages, shall be considered, and Renter/Applicant/Event Organizer/Organization agrees that said insurance coverages it procures as required herein shall be considered, as primary insurance over and above any other insurance, or self–insurance, available to the City, and that any other insurance, or self-insurance available to the City shall be considered secondary to, or in excess of, the insurance coverage(s) procured by Renter/Applicant/ Event Organizer/Organization, as required herein. Renter/Applicant/Event Organizer/Organization shall require and verify that all subcontractors, including but not limited to concessionaires, vendors, exhibitors, event security firm(s), concert technical and/or production firm(s), and entertainers, maintain insurance meeting all of the requirements stated herein, and include the City of Apopka as an additional insured. Furthermore, the insurance policy held by the Renter/Applicant/Event Organizer/Organization shall have no endorsement(s) restricting, limiting or excluding the subcontractors or work on behalf of the Renter/Applicant/Event Organizer/Organization by a subcontractor. Upon written request, the Renter/Applicant/ Event Organizer/Organization shall provide copies of documentation that verifies the additional insured status of the City of Apopka from these subcontractors. The Renter/Applicant/Event Organizer/Organization shall remain fully liable and responsible for the performance and compliance of all contracted work, regardless of whether the work was performed in full or in part

by a subcontractor. The subcontracting of any part of this Agreement shall not relieve the Renter/Applicant/Event Organizer/Organization from any liability or obligation under the Agreement, and the acts, errors, or omissions of the Renter/Applicant/Event Organizer/Organization's subcontractors shall be deemed to be the acts, errors, or omissions of the Renter/Applicant/Event Organizer/Organization. The insurance requirements set forth herein shall not be construed to limit or reduce the indemnification obligations of the Renter/Applicant/Event Organizer/Organization.HUMAN TRAFFICKING AFFIDAVIT Instruction: "Vendor", defined as any person or nongovernmental entity seeking to engage in business with the City of Apopka, must complete the following form. The undersigned, on behalf of the Vendor, hereby attests as follows: A. Vendor understands and affirms that Section 787.06(13), Florida Statutes, prohibits the City from executing, renewing, or extending a contract to entities that use coercion for labor or services, with such terms defined as follows: · "Coercion" means: (1) using or threatening to use physical force against any person; (2) restraining, isolating, or confining or threatening to restrain, isolate, or confine any person without lawful authority and against her or his will; (3) using lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or services are not respectively limited and defined; (4) destroying, concealing, removing, confiscating, withholding, or possessing any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person; (5) causing or threatening to cause financial harm to any person; (6) enticing or luring any person by fraud or deceit; or (7) providing a controlled substance as outlined in Schedule I or Schedule II of Section 893.03, Florida Statutes, to

any person for the purpose of exploitation of that person. · "Labor" means work of economic or financial value. · "Services" means any act committed at the behest of, under the supervision of, or for the benefit of another. The term includes, but is not limited to, forced marriage, servitude, or the removal of organs. B. Vendor hereby attests, under penalty of perjury, that Vendor does not use coercion for labor or services as defined in Section 787.06(2), Florida Statutes. I, the undersigned, am an officer or representative of the nongovernmental entity named below, and hereby represent that I: make the above attestation based upon personal knowledge; am over the age of 18 years and otherwise competent to make the above attestation; and am authorized to legally bind and make the above attestation on behalf of the Vendor. Under penalties of perjury, I declare that I have read the forgoing document and that the facts stated in it are true. Further Affiant sayeth naught.

☐

HUMAN TRAFFICKING AFFIDAVIT Instruction: "Vendor", defined as any person or nongovernmental entity seeking to engage in business with the City of Apopka, must complete the following form. The undersigned, on behalf of the Vendor, hereby attests as follows: A. Vendor understands and affirms that Section 787.06(13), Florida Statutes, prohibits the City from executing, renewing, or extending a contract to entities that use coercion for labor or services, with such terms defined as follows: · "Coercion" means: (1) using or threatening to use physical force against any person; (2) restraining, isolating, or confining or threatening to restrain, isolate, or confine any person without lawful authority and against her or his will; (3) using lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or services are not respectively limited and defined; (4) destroying, concealing, removing, confiscating, withholding, or possessing any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person; (5) causing or threatening to cause financial harm to any person; (6) enticing or luring any person by fraud or deceit; or (7) providing a controlled substance as outlined in Schedule I or Schedule II of Section 893.03, Florida Statutes, to any person for the purpose of exploitation of that person. · "Labor" means work of economic or financial value. · "Services" means any act committed at the behest of, under the supervision of, or for the benefit of another. The term includes, but is not limited to, forced marriage, servitude, or the removal of organs. B. Vendor hereby attests, under penalty of perjury, that Vendor does not use coercion for labor or services as defined in Section 787.06(2), Florida Statutes. I, the undersigned, am an officer or representative of the nongovernmental entity named below, and hereby represent that I: make

the above attestation based upon personal knowledge; am over the age of 18 years and otherwise competent to make the above attestation; and am authorized to legally bind and make the above attestation on behalf of the Vendor. Under penalties of perjury, I declare that I have read the forgoing document and that the facts stated in it are true. Further Affiant sayeth naught.

Record No: E-26-16

Apopka Special Event Permit

Status: Active

Submitted On: 7/1/2026

Primary Location

No location

Owner

No owner information

Applicant

Steven Cournoyer

[redacted]

Special Event Permit Application

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

Name of the Event*

Florida Five

Event Date*

02/19/2027

Type of Event*

Organized Run/Walk

Facility or Location*

Kit Land Nelson Park

Additional event details*

This is a 5K, 10K, Half-marathon, Marathon and 50K distance race. It will be a looped course on the West Orange Trail starting at Kit land Nelson Park. The race will head north on the trail for approximately 1.1 miles and then return on the same route back to the park. The number of loops will depend on the distance the participants sign up for. Start time is estimated to be at 7 a.m. with setup starting at 5 a.m. We will need access to restrooms at the park, but there will be no need for any street closures. There will be 2 tables with canopies for check-in and aid station at the start of the course.

Event Applicant

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

Once we have the complete special event application we will schedule for review and approval. No applications will be accepted for events withing 60 days.

Organization Name*

Wingman Running Company

Organization Address*

[redacted]

Contact Person's Email*

[redacted]

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

No

Dates & Times

Event Start Date*

02/19/2027

Event End Date*

02/19/2027

Is your event multiple days?*

No

Event Time (Start & End Time)*

7 a.m. start & 4:30 p.m. finish time

Load in date

02/19/2027

Load in Time

5 a.m. for setup & bib pickup

Load out Date

02/19/2027

Load out time*

5:30 p.m. for cleanup

Expected Attendance*

100

Event Details

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

Will there be food food trucks?*

No

Will you be bringing in portable toilets?

–

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

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

Wingman Running Company Staff & Volunteers (approximately 6).

Will your event include tents?

Yes

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

There will be 2 tables that have canopies on them for check in and aid station.

Will you be serving alcohol at your event?*

No

Does your event require a road closure?*

No

Will you be hiring private security?*

No

Acknowledgements

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

provided in section 768.28, Florida Statutes. This agreement shall be governed by the laws of the State of Florida, and venue shall lie exclusively in Orange County, Florida.*

☑

Insurance Requirements for Events

Steven Cournoyer

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

☑

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

☑

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

☑

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

☑

Applicant Signature*

Steven Cournoyer
Jul 1, 2026

Date*

07/01/2026

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

HUMAN TRAFFICKING AFFIDAVIT Instruction: "Vendor", defined as any person or nongovernmental entity seeking to engage in business with the City of Apopka, must complete the following form. The undersigned, on behalf of the Vendor, hereby attests as follows: A. Vendor understands and affirms that Section 787.06(13), Florida Statutes, prohibits the City from executing, renewing, or extending a contract to entities that use coercion for labor or services, with such terms defined as follows: · "Coercion" means: (1) using or threatening to use physical force against any person; (2) restraining, isolating, or confining or threatening to restrain, isolate, or confine any person without lawful authority and against her or his will; (3) using lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or services are not respectively limited and defined; (4) destroying, concealing, removing, confiscating, withholding, or possessing any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person; (5) causing or threatening to cause financial harm to any person; (6) enticing or luring any person by fraud or deceit; or (7) providing a controlled substance as outlined in Schedule I or Schedule II of Section 893.03, Florida Statutes, to any person for the purpose of exploitation of that person. · "Labor" means work of economic or financial value. · "Services" means any act committed at the behest of, under the supervision of, or for the benefit of another. The term includes, but is not limited to, forced marriage, servitude, or the removal of organs. B. Vendor hereby attests, under penalty of perjury, that Vendor does not use coercion for labor or services as defined in Section 787.06(2), Florida Statutes. I, the undersigned, am an officer or representative of the nongovernmental entity named below, and hereby represent that I: make

provided in §768.28, Florida Statutes. The original insurance certificates, and all requested extensions to the insurance certificate, shall be sent to: City of Apopka 120 East Main Street Apopka, Florida 32703 Renter/Applicant/Event Organizer/Organization is solely responsible for all applicable policy premiums, deductibles, and/or self-insured retention attached to any required coverages. Said insurance coverages procured by Renter/Applicant/Event Organizer/Organization as required herein, including but not limited to any excess and/or umbrella coverages, shall be considered, and Renter/Applicant/Event Organizer/Organization agrees that said insurance coverages it procures as required herein shall be considered, as primary insurance over and above any other insurance, or self–insurance, available to the City, and that any other insurance, or self-insurance available to the City shall be considered secondary to, or in excess of, the insurance coverage(s) procured by Renter/Applicant/ Event Organizer/Organization, as required herein. Renter/Applicant/Event Organizer/Organization shall require and verify that all subcontractors, including but not limited to concessionaires, vendors, exhibitors, event security firm(s), concert technical and/or production firm(s), and entertainers, maintain insurance meeting all of the requirements stated herein, and include the City of Apopka as an additional insured. Furthermore, the insurance policy held by the Renter/Applicant/Event Organizer/Organization shall have no endorsement(s) restricting, limiting or excluding the subcontractors or work on behalf of the Renter/Applicant/Event Organizer/Organization by a subcontractor. Upon written request, the Renter/Applicant/ Event Organizer/Organization shall provide copies of documentation that verifies the additional insured status of the City of Apopka from these subcontractors. The Renter/Applicant/Event Organizer/Organization shall remain fully liable and responsible for the performance and compliance of all contracted work, regardless of whether the work was performed in full or in part

the above attestation based upon personal knowledge; am over the age of 18 years and otherwise competent to make the above attestation; and am authorized to legally bind and make the above attestation on behalf of the Vendor. Under penalties of perjury, I declare that I have read the forgoing document and that the facts stated in it are true. Further Affiant sayeth naught.

by a subcontractor. The subcontracting of any part of this Agreement shall not relieve the Renter/Applicant/Event Organizer/Organization from any liability or obligation under the Agreement, and the acts, errors, or omissions of the Renter/Applicant/Event Organizer/Organization's subcontractors shall be deemed to be the acts, errors, or omissions of the Renter/Applicant/Event Organizer/Organization. The insurance requirements set forth herein shall not be construed to limit or reduce the indemnification obligations of the Renter/Applicant/Event Organizer/Organization.HUMAN TRAFFICKING AFFIDAVIT Instruction: "Vendor", defined as any person or nongovernmental entity seeking to engage in business with the City of Apopka, must complete the following form. The undersigned, on behalf of the Vendor, hereby attests as follows: A. Vendor understands and affirms that Section 787.06(13), Florida Statutes, prohibits the City from executing, renewing, or extending a contract to entities that use coercion for labor or services, with such terms defined as follows: · "Coercion" means: (1) using or threatening to use physical force against any person; (2) restraining, isolating, or confining or threatening to restrain, isolate, or confine any person without lawful authority and against her or his will; (3) using lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or services are not respectively limited and defined; (4) destroying, concealing, removing, confiscating, withholding, or possessing any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person; (5) causing or threatening to cause financial harm to any person; (6) enticing or luring any person by fraud or deceit; or (7) providing a controlled substance as outlined in Schedule I or Schedule II of Section 893.03, Florida Statutes, to

any person for the purpose of exploitation of that person. · "Labor" means work of economic or financial value. · "Services" means any act committed at the behest of, under the supervision of, or for the benefit of another. The term includes, but is not limited to, forced marriage, servitude, or the removal of organs. B. Vendor hereby attests, under penalty of perjury, that Vendor does not use coercion for labor or services as defined in Section 787.06(2), Florida Statutes. I, the undersigned, am an officer or representative of the nongovernmental entity named below, and hereby represent that I: make the above attestation based upon personal knowledge; am over the age of 18 years and otherwise competent to make the above attestation; and am authorized to legally bind and make the above attestation on behalf of the Vendor. Under penalties of perjury, I declare that I have read the forgoing document and that the facts stated in it are true. Further Affiant sayeth naught.

Record No: E-26-21

Apopka Special Event Permit

Status: Active

Submitted On: 7/28/2026

Primary Location

No location

Owner

No owner information

Applicant

Mark Creaser
407-703-1833
mcreaser@apopka.net
112 E 6th St.
Apopka, FL 32703

Special Event Permit Application

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

Name of the Event*

Apopka Police Halloween Highway

Event Date*

10/28/2026

Type of Event*

Other

If Other, please indicate event category*

Trick or Treat Drive-Thru

Facility or Location*

Other

Additional event details*

Apopka Police Halloween Highway is a community trick or treat drive-thru event. Officers and staff will provide candy to community members who drive thru the prescribed route. Community members will stay inside their vehicle while participating.

Event Applicant

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

Once we have the complete special event application we will schedule for review and approval. No applications will be accepted for events withing 60 days.

Organization Name*

Apopka Police Department

Organization Address*

112 E. 6th St
Apopka, FL 32703

Contact Person's Email*

mcreaser@apopka.net

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

Yes

Dates & Times

Event Start Date*

10/28/2026

Event End Date*

10/28/2026

Is your event multiple days?*

No

Event Time (Start & End Time)*

4PM-6PM

Load in date

10/28/2026

Load in Time

12PM

Load out Date

10/28/2026

Load out time*

8PM

Expected Attendance*

150

Event Details

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

–

Will there be food food trucks?*

No

Will you be bringing in portable toilets?

No

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

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

Will your event include tents?

No

Will you be serving alcohol at your event?*

No

Does your event require a road closure?*

Yes

Time of road Closure

12PM-8PM | Proposed plan: Close E Station St. from the 6th St. Y-intersection to Park Ave. The route will be limited to event-only traffic, entering solely from Central Ave onto Station St. Traffic from 6th St. will be restricted to right turns only onto Station St., and all vehicles exiting the route will be required to turn right. Officers will be positioned at the entrance and exit to manage traffic flow.

Will you be hiring private security?*

No

Location Details - If on private property

Property Type*

Public

Address of other locations*

66 E. Station St

Acknowledgements

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

provided in section 768.28, Florida Statutes. This agreement shall be governed by the laws of the State of Florida, and venue shall lie exclusively in Orange County, Florida.*

☑

Insurance Requirements for Events

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

☑

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

☑

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

☑

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

☑

Applicant Signature*

Mark Creaser
Jul 28, 2026

Date*

07/28/2026

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

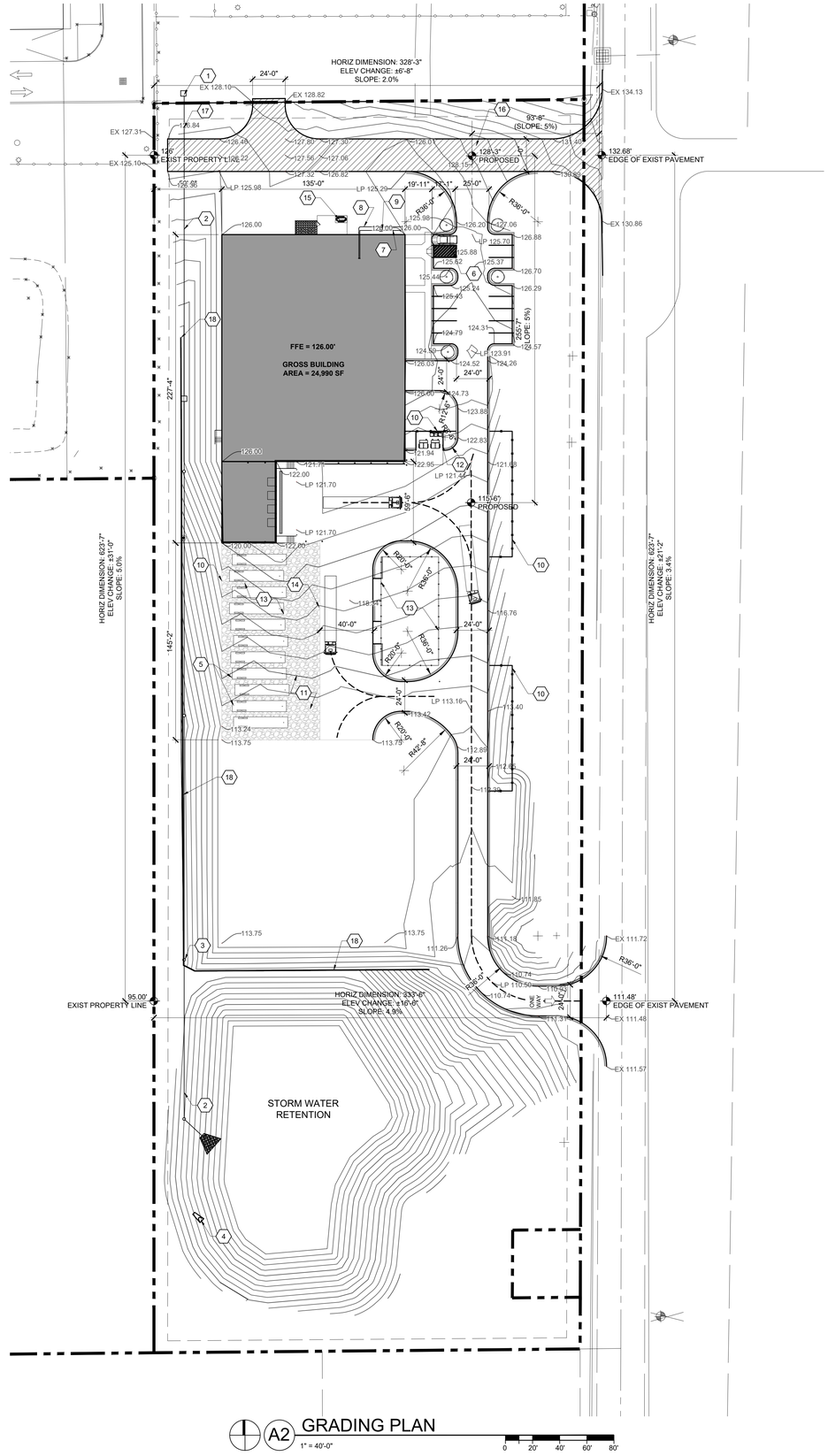
HUMAN TRAFFICKING AFFIDAVIT Instruction: "Vendor", defined as any person or nongovernmental entity seeking to engage in business with the City of Apopka, must complete the following form. The undersigned, on behalf of the Vendor, hereby attests as follows: A. Vendor understands and affirms that Section 787.06(13), Florida Statutes, prohibits the City from executing, renewing, or extending a contract to entities that use coercion for labor or services, with such terms defined as follows: · "Coercion" means: (1) using or threatening to use physical force against any person; (2) restraining, isolating, or confining or threatening to restrain, isolate, or confine any person without lawful authority and against her or his will; (3) using lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or services are not respectively limited and defined; (4) destroying, concealing, removing, confiscating, withholding, or possessing any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person; (5) causing or threatening to cause financial harm to any person; (6) enticing or luring any person by fraud or deceit; or (7) providing a controlled substance as outlined in Schedule I or Schedule II of Section 893.03, Florida Statutes, to any person for the purpose of exploitation of that person. · "Labor" means work of economic or financial value. · "Services" means any act committed at the behest of, under the supervision of, or for the benefit of another. The term includes, but is not limited to, forced marriage, servitude, or the removal of organs. B. Vendor hereby attests, under penalty of perjury, that Vendor does not use coercion for labor or services as defined in Section 787.06(2), Florida Statutes. I, the undersigned, am an officer or representative of the nongovernmental entity named below, and hereby represent that I: make

provided in §768.28, Florida Statutes. The original insurance certificates, and all requested extensions to the insurance certificate, shall be sent to: City of Apopka 120 East Main Street Apopka, Florida 32703 Renter/Applicant/Event Organizer/Organization is solely responsible for all applicable policy premiums, deductibles, and/or self-insured retention attached to any required coverages. Said insurance coverages procured by Renter/Applicant/Event Organizer/Organization as required herein, including but not limited to any excess and/or umbrella coverages, shall be considered, and Renter/Applicant/Event Organizer/Organization agrees that said insurance coverages it procures as required herein shall be considered, as primary insurance over and above any other insurance, or self–insurance, available to the City, and that any other insurance, or self-insurance available to the City shall be considered secondary to, or in excess of, the insurance coverage(s) procured by Renter/Applicant/ Event Organizer/Organization, as required herein. Renter/Applicant/Event Organizer/Organization shall require and verify that all subcontractors, including but not limited to concessionaires, vendors, exhibitors, event security firm(s), concert technical and/or production firm(s), and entertainers, maintain insurance meeting all of the requirements stated herein, and include the City of Apopka as an additional insured. Furthermore, the insurance policy held by the Renter/Applicant/Event Organizer/Organization shall have no endorsement(s) restricting, limiting or excluding the subcontractors or work on behalf of the Renter/Applicant/Event Organizer/Organization by a subcontractor. Upon written request, the Renter/Applicant/ Event Organizer/Organization shall provide copies of documentation that verifies the additional insured status of the City of Apopka from these subcontractors. The Renter/Applicant/Event Organizer/Organization shall remain fully liable and responsible for the performance and compliance of all contracted work, regardless of whether the work was performed in full or in part

the above attestation based upon personal knowledge; am over the age of 18 years and otherwise competent to make the above attestation; and am authorized to legally bind and make the above attestation on behalf of the Vendor. Under penalties of perjury, I declare that I have read the forgoing document and that the facts stated in it are true. Further Affiant sayeth naught.

by a subcontractor. The subcontracting of any part of this Agreement shall not relieve the Renter/Applicant/Event Organizer/Organization from any liability or obligation under the Agreement, and the acts, errors, or omissions of the Renter/Applicant/Event Organizer/Organization's subcontractors shall be deemed to be the acts, errors, or omissions of the Renter/Applicant/Event Organizer/Organization. The insurance requirements set forth herein shall not be construed to limit or reduce the indemnification obligations of the Renter/Applicant/Event Organizer/Organization.HUMAN TRAFFICKING AFFIDAVIT Instruction: "Vendor", defined as any person or nongovernmental entity seeking to engage in business with the City of Apopka, must complete the following form. The undersigned, on behalf of the Vendor, hereby attests as follows: A. Vendor understands and affirms that Section 787.06(13), Florida Statutes, prohibits the City from executing, renewing, or extending a contract to entities that use coercion for labor or services, with such terms defined as follows: · "Coercion" means: (1) using or threatening to use physical force against any person; (2) restraining, isolating, or confining or threatening to restrain, isolate, or confine any person without lawful authority and against her or his will; (3) using lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or services are not respectively limited and defined; (4) destroying, concealing, removing, confiscating, withholding, or possessing any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person; (5) causing or threatening to cause financial harm to any person; (6) enticing or luring any person by fraud or deceit; or (7) providing a controlled substance as outlined in Schedule I or Schedule II of Section 893.03, Florida Statutes, to

any person for the purpose of exploitation of that person. · “Labor” means work of economic or financial value. · “Services” means any act committed at the behest of, under the supervision of, or for the benefit of another. The term includes, but is not limited to, forced marriage, servitude, or the removal of organs. B. Vendor hereby attests, under penalty of perjury, that Vendor does not use coercion for labor or services as defined in Section 787.06(2), Florida Statutes. I, the undersigned, am an officer or representative of the nongovernmental entity named below, and hereby represent that I: make the above attestation based upon personal knowledge; am over the age of 18 years and otherwise competent to make the above attestation; and am authorized to legally bind and make the above attestation on behalf of the Vendor. Under penalties of perjury, I declare that I have read the forgoing document and that the facts stated in it are true. Further Affiant sayeth naught.



GENERAL NOTES:

A. TOTAL GROSS BUILDING AREA = 24,990 SF

SHEET KEY NOTES: (X)

1. REINFORCED CONCRETE STRUCTURE FOR CONNECTION OF FUTURE STORM WATER PIPE
2. REINFORCED CONCRETE STORM SEWER PIPE. SIZE TO BE AS DETERMINED AND AS DOCUMENTED IN THE BUYER / SELLER STORM WATER SUPPORT PLAN, SEE G-10# FOR ADDITIONAL INFORMATION
3. STORM SEWER MANHOLE. SPACING TO BE DETERMINED BY VOLUME AND FLOW RATE
4. RIP-RAP OUTLET STRUCTURE
5. 40' TRACTOR TRAILER
6. ACCESSIBLE PARKING SPACE
7. #" DOMESTIC WATER LINE FROM EXISTING UTILITY LINE AT SOUTH BRADSHAW ROAD. UTILITY COMPANY TO LOCATE TAP AND METER
8. #" SANITARY SEWER LINE TO EXISTING UTILITY LINE AT SOUTH BRADSHAW ROAD. UTILITY COMPANY TO LOCATE TAP
9. RPZ BACKFLOW PREVENTER IN VAULT
10. DECORATIVE METAL SCREEN WALL, SEE DETIAL A5 ON SHEET AC-102
11. TRAILER STORAGE
12. DUMPSTER LOCATION
13. FENCED OUTDOOR STORAGE AREA, SEE DETAIL C5 ON SHEET AC-102
14. 16'-0" SLIDING GATE
15. ELECTRICAL TRANSFORMER SET BY UTILITY COMPANY ON REINFORCED CONCRETE PAD CONSTRUCTED BY CONTRACTOR. COORDINATE WITH UTILITY COMPANY ON PAD LOCATION, DIMENSIONS AND REINFORCING
16. 24'-0" WIDE ASPHALT PAVED ACCESS EASEMENT TO ADJACENT PROPERTY. PAVED DRIVEWAY DOES NOT INCLUDE CONCRETE CURB AND GUTTER UNLESS INSTALLED BY THE SELLER (ADJACENT PROPERTY OWNER)
17. STORM WATER PIPE TO BE STUBBED-UP AND CAPPED 5'-0" INSIDE OF ADJACENT PROPERTY LINE
18. RETAINING WALL

ZONING DATA:

A. ADDRESS: SOUTH BRADSHAW ROAD, APOPKA, FLORIDA 32703
B. ZONING DISTRICT: LIGHT INDUSTRIAL
C. INTENSITY AND DIMENSIONAL STANDARDS
- C.1. MINIMUM LOT AREA: 12,000 SF
- C.2. MINIMUM LOT WIDTH: 100 FT
- C.3. MINIMUM FRONT YARD SETBACK: 10 FT
- C.4. MINIMUM SIDE YARD SETBACK: 10 FT
- C.5. MINIMUM REAR YARD SETBACK: 10 FT
- C.6. MAXIMUM BUILDING HEIGHT: 45 FT
- C.7. MAXIMUM FLOOR AREA RATIO: 0.40

D. OFF-STREET VEHICULAR PARKING
- D.1. PRINCIPAL USE CATEGORY: WAREHOUSE DISTRIBUTION
- D.3. MINIMUM NUMBER OF SPACES: 2 / 1,000 SF OF OFFICES
  - D.3.1. OFFICE SPACE: 2,102 GROSS SF
  - D.3.2. PARKING REQUIRED: 2,102 / 1,000 = 2.1 x 2 = 5 SPACES
  - D.3.3. PARKING PROVIDED = 15 (BASED ON THE # OF EMPLOYEES)
- D.4. ACCESSIBLE PARKING SPACES: 1
- D.5. DIMENSIONAL STANDARDS (90 DEGREE): 9'-0" WIDE x 18'-0"
- D.6. AISLE WIDTH: 24'-0"
- D.7. LOADING AREA: TO THE MAXIMUM EXTENT PRACTICABLE, LOADING AREAS SHOULD BE LOCATED TO THE REAR OF THE SPACE THEY SERVE
- D.8. LOADING BERTH SIZE: 15' WIDE x 55' LONG (FULL SIZE TRACTOR TRAILER)
- D.9. MINIMUM NUMBER OF LOADING BERTHS: 2
- D.10. NUMBER OF LOADIMG BERTHS PROVIDED: 4

E. LANDSCAPING
- E.1. BUFFERYARD: TYPE A - BASIC
- E.2. PARKING LOT: NO MORE THAN TEN (1) PARKING SPACES WITHOUT A TREE ISLAND
- E.3. FOUNDATION PLANTING: THE FACADE FACING A RIGHT-OF-WAY SHALL CONTAIN A FOUR (4) FOOT WIDE FOUNDATION LANDSCAPING AREA ADJACENT TO THE BUILDING AND EXTENDING THE LENGTH OF THE FACADE. LANDSCAPING SHALL CONTAIN:
  - E.3.1. 24" TALL PLANTED 30" ON CENTER
  - E.3.2. ONE (1) SMALL DECORATIVE OR ORNAMENTAL TREE THAT IS AT LEAST 15 GALLONS PLANTED 20'-0" ON CENTER
- E.4. LOW VOLUME IRRIGATION IS REQUIRED IN BUFFERS AND FOUNDATION BEDS

F. DESIGN GUIDELINES FOR LIGHT INDUSTRIAL USES
- F.1. PROVIDE A CONTINUOUS LANDSCAPE AREA BETWEEN THE STREET AND BUILDING UNINTERRUPTED BY PARKING AREAS OR DRIVEWAYS FOR AT LEAST 50% OF THE FRONTAGE
- F.2. SURFACE PARKING MUST BE SCREENED FROM ADJACENT PARCELS WITH LANDSCAPING
- F.3. ALL ROOFTOP EQUIPMENT MUST BE SCREENED FROM ALL DIRECTIONS
- F.4. BLANK WALLS SHALL BE ENHANCED BY THE USE OF VERTICAL ELEMENTS AND WINDOWS TO BREAK THE MONOTONY. AT LEAST FIFTY (50%) OF THE MAIN FACADE FACING A MAJOR THOROUGHFARE MUST INCORPORATE ARCHITECTURAL DETAIL
- F.5. PROVIDE PEDESTRIAN AND BICYCLE CONNECTIONS FROM PRINCIPAL STRUCTURES TO ADJACENT USES
- F.6. IF PARKING IS PROVIDED IN FRONT OF THE BUILDING, WALKWAYS SHALL BE PROVIDED TO CONNECT THE PUBLIC SIDEWALK AND BUILDING
- F.7. ANY TYPE OF SERVICE OR STORAGE AREA MUST BE SCREENED FROM PUBLIC VIEW
  - F.7.1. LOADING, SERVICE AND GARBAGE AREAS MUST BE LOCATED WHERE THEY ARE NOT VISIBLE FROM ROADWAYS. OTHERWISE, MAKE SCREENING AND INTEGRAL PART OF THE BUILDING BY EXTENDING A WING WALL AND USING MATERIALS CONSISTENT WITH THE BUILDING FACADE
- F.8. STORM WATER RETENTION PONDS ARE TO BE NATURALISTIC AND MAY ONLY BE FENCED WITH SPECIAL PERMISSION

LEGEND:

- PROPOSED SINGLE STORY WAREHOUSE BUILDING
- 100'-0" EXISTING / PROPOSED SPOT ELEVATION
- EXISTING CONTOUR LINES
- PROPOSED GRADING

BUILDING WILL BE FULLY SPRINKLERED IN ACCORDANCE WITH NFPA 13

BEAUFORT
2 Fire Station Lane
Seabrook, SC 29940

CHARLOTTE
7315 Swansea Lane
Cornelius, NC 28031

(843) 466-3664
info@beaufortdesignbuild.com
www.beaufortdesignbuild.com

Copyright © 2026 Beaufort Design Build, LLC

BEAUFORT DESIGN BUILD

ARCHITECT / ENGINEER'S SEAL

CAROLINA TEXTILES

CAROLINA TEXTILES APOPKA FL

300 SOUTH BRADSHAW ROAD APOPKA, FL 32703

DESIGN DEVELOPMENT

REVISIONS / SUBMISSIONS

NO.	DESCRIPTION	DATE

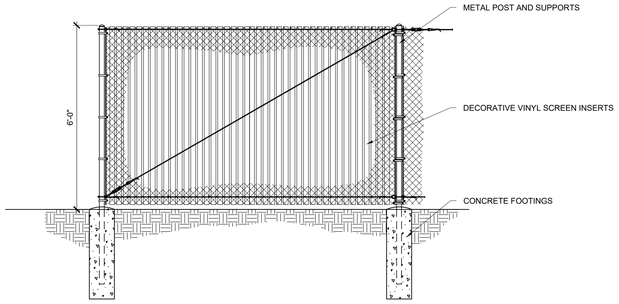
SHEET INFORMATION

DATE	APRIL 23, 2026
JOB NUMBER	25039.00
DRAWN	GRM
CHECKED	ADB
APPROVED	DCS

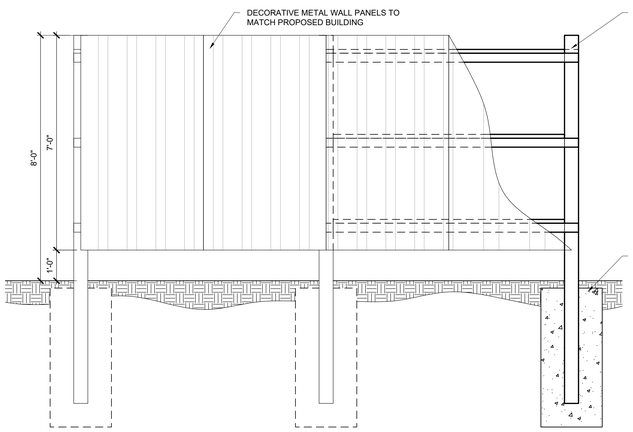
CONCEPTUAL GRADING PLAN

AC-103

ADJACENT LOT, DECORATIVE CHAIN-LINK SCREEN WALL PHOTO



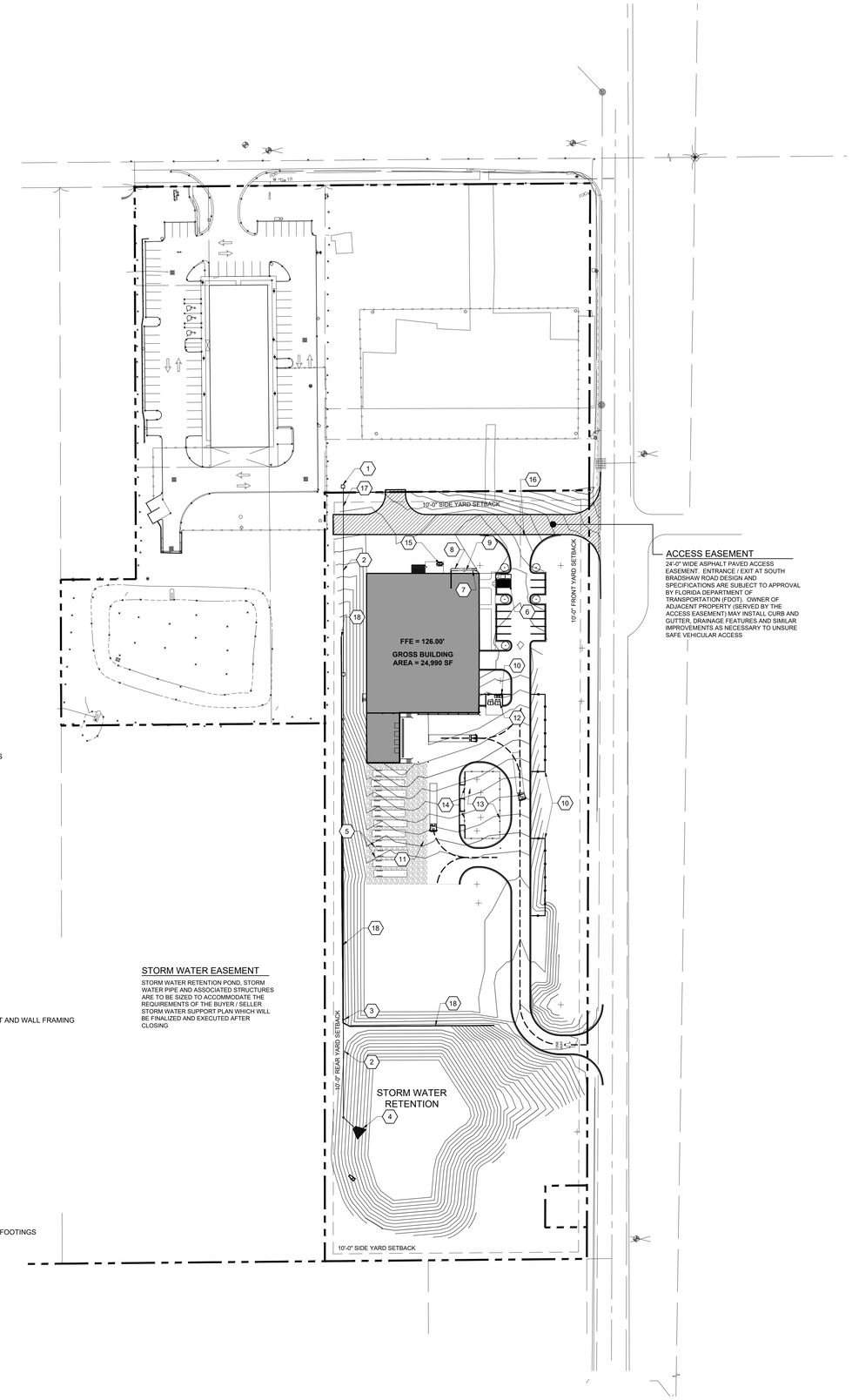
C5 DECORATIVE CHAIN-LINK SCREEN WALL
1/2" = 1'-0"
0 1' 2' 3' 4'



A5 DECORATIVE METAL SCREEN WALL
1/2" = 1'-0"
0 1' 2' 3' 4'

STORM WATER EASEMENT

STORM WATER RETENTION POND, STORM WATER PIPE AND ASSOCIATED STRUCTURES ARE TO BE SIZED TO ACCOMMODATE THE REQUIREMENTS OF THE BUYER / SELLER STORM WATER SUPPORT PLAN WHICH WILL BE FINALIZED AND EXECUTED AFTER CLOSING



A2 SITE PLAN
1/64" = 1'-0"
0 24' 48' 96'

GENERAL NOTES:

A. TOTAL GROSS BUILDING AREA = 24,990 SF

SHEET KEY NOTES: (X)

1. REINFORCED CONCRETE STRUCTURE FOR CONNECTION OF FUTURE STORM WATER PIPE
2. REINFORCED CONCRETE STORM SEWER PIPE. SIZE TO BE AS DETERMINED AND AS DOCUMENTED IN THE BUYER / SELLER STORM WATER SUPPORT PLAN, SEE G-10# FOR ADDITIONAL INFORMATION
3. STORM SEWER MANHOLE. SPACING TO BE DETERMINED BY VOLUME AND FLOW RATE
4. RIP-RAP OUTLET STRUCTURE
5. 40' TRACTOR TRAILER
6. ACCESSIBLE PARKING SPACE
7. #" DOMESTIC WATER LINE FROM EXISTING UTILITY LINE AT SOUTH BRADSHAW ROAD. UTILITY COMPANY TO LOCATE TAP AND METER
8. #" SANITARY SEWER LINE TO EXISTING UTILITY LINE AT SOUTH BRADSHAW ROAD. UTILITY COMPANY TO LOCATE TAP
9. RPZ BACKFLOW PREVENTER IN VAULT
10. DECORATIVE METAL SCREEN WALL, SEE DETIAL A5 ON SHEET AC-102
11. TRAILER STORAGE
12. DUMPSTER LOCATION
13. FENCED OUTDOOR STORAGE AREA, SEE DETAIL C5 ON SHEET AC-102
14. 16'-0" SLIDING GATE
15. ELECTRICAL TRANSFORMER SET BY UTILITY COMPANY ON REINFORCED CONCRETE PAD CONSTRUCTED BY CONTRACTOR. COORDINATE WITH UTILITY COMPANY ON PAD LOCATION, DIMENSIONS AND REINFORCING
16. 24'-0" WIDE ASPHALT PAVED ACCESS EASEMENT TO ADJACENT PROPERTY. PAVED DRIVEWAY DOES NOT INCLUDE CONCRETE CURB AND GUTTER UNLESS INSTALLED BY THE SELLER (ADJACENT PROPERTY OWNER)
17. STORM WATER PIPE TO BE STUBBED-UP AND CAPPED 5'-0" INSIDE OF ADJACENT PROPERTY LINE
18. RETAINING WALL

ZONING DATA:

A. ADDRESS: SOUTH BRADSHAW ROAD, APOPKA, FLORIDA 32703
B. ZONING DISTRICT: LIGHT INDUSTRIAL
C. INTENSITY AND DIMENSIONAL STANDARDS
- C.1. MINIMUM LOT AREA: 12,000 SF
- C.2. MINIMUM LOT WIDTH: 100 FT
- C.3. MINIMUM FRONT YARD SETBACK: 10 FT
- C.4. MINIMUM SIDE YARD SETBACK: 10 FT
- C.5. MINIMUM REAR YARD SETBACK: 10 FT
- C.6. MAXIMUM BUILDING HEIGHT: 45 FT
- C.7. MAXIMUM FLOOR AREA RATIO: 0.40

D. OFF-STREET VEHICULAR PARKING
- D.1. PRINCIPAL USE CATEGORY: WAREHOUSE DISTRIBUTION
- D.3. MINIMUM NUMBER OF SPACES: 2 / 1,000 SF OF OFFICES
  - D.3.1. OFFICE SPACE: 2,102 GROSS SF
  - D.3.2. PARKING REQUIRED: 2,102 / 1,000 = 2.1 x 2 = 5 SPACES
  - D.3.3. PARKING PROVIDED = 15 (BASED ON THE # OF EMPLOYEES)
- D.4. ACCESSIBLE PARKING SPACES: 1
- D.5. DIMENSIONAL STANDARDS (90 DEGREE): 9'-0" WIDE x 18'-0"
- D.6. AISLE WIDTH: 24'-0"
- D.7. LOADING AREA: TO THE MAXIMUM EXTENT PRACTICABLE, LOADING AREAS SHOULD BE LOCATED TO THE REAR OF THE SPACE THEY SERVE
- D.8. LOADING BERTH SIZE: 15' WIDE x 55' LONG (FULL SIZE TRACTOR TRAILER)
- D.9. MINIMUM NUMBER OF LOADING BERTHS: 2
- D.10. NUMBER OF LOADING BERTHS PROVIDED: 4

E. LANDSCAPING
- E.1. BUFFERYARD: TYPE A - BASIC
- E.2. PARKING LOT: NO MORE THAN TEN (1) PARKING SPACES WITHOUT A TREE ISLAND
- E.3. FOUNDATION PLANTING: THE FACADE FACING A RIGHT-OF-WAY SHALL CONTAIN A FOUR (4) FOOT WIDE FOUNDATION LANDSCAPING AREA, ADJACENT TO THE BUILDING AND EXTENDING THE LENGTH OF THE FACADE. LANDSCAPING SHALL CONTAIN:
  - E.3.1. 24" TALL PLANTED 30" ON CENTER
  - E.3.2. ONE (1) SMALL DECORATIVE OR ORNAMENTAL TREE THAT IS AT LEAST 15 GALLONS PLANTED 20'-0" ON CENTER
- E.4. LOW VOLUME IRRIGATION IS REQUIRED IN BUFFERS AND FOUNDATION BEDS

F. DESIGN GUIDELINES FOR LIGHT INDUSTRIAL USES
- F.1. PROVIDE A CONTINUOUS LANDSCAPE AREA BETWEEN THE STREET AND BUILDING UNINTERRUPTED BY PARKING AREAS OR DRIVEWAYS FOR AT LEAST 50% OF THE FRONTAGE
- F.2. SURFACE PARKING MUST BE SCREENED FROM ADJACENT PARCELS WITH LANDSCAPING
- F.3. ALL ROOFTOP EQUIPMENT MUST BE SCREENED FROM ALL DIRECTIONS
- F.4. BLANK WALLS SHALL BE ENHANCED BY THE USE OF VERTICAL ELEMENTS AND WINDOWS TO BREAK THE MONOTONY. AT LEAST FIFTY (50%) OF THE MAIN FACADE FACING A MAJOR THOROUGHFARE MUST INCORPORATE ARCHITECTURAL DETAIL
- F.5. PROVIDE PEDESTRIAN AND BICYCLE CONNECTIONS FROM PRINCIPAL STRUCTURES TO ADJACENT USES
- F.6. IF PARKING IS PROVIDED IN FRONT OF THE BUILDING, WALKWAYS SHALL BE PROVIDED TO CONNECT THE PUBLIC SIDEWALK AND BUILDING
- F.7. ANY TYPE OF SERVICE OR STORAGE AREA MUST BE SCREENED FROM PUBLIC VIEW
  - F.7.1. LOADING, SERVICE AND GARBAGE AREAS MUST BE LOCATED WHERE THEY ARE NOT VISIBLE FROM ROADWAYS. OTHERWISE, MAKE SCREENING AND INTEGRAL PART OF THE BUILDING BY EXTENDING A WING WALL AND USING MATERIALS CONSISTENT WITH THE BUILDING FACADE
- F.8. STORM WATER RETENTION PONDS ARE TO BE NATURALISTIC AND MAY ONLY BE FENCED WITH SPECIAL PERMISSION

LEGEND:

- PROPOSED SINGLE STORY WAREHOUSE BUILDING
- 100'-0" EXISTING / PROPOSED SPOT ELEVATION
- EXISTING CONTOUR LINES
- PROPOSED GRADING

BUILDING WILL BE FULLY SPRINKLERED IN ACCORDANCE WITH NFPA 13

BEAUFORT
2 Fire Station Lane
Seabrook, SC 29940

CHARLOTTE
7315 Swansea Lane
Cornelius, NC 28031

(843) 466-3664
info@beaufortdesignbuild.com
www.beaufortdesignbuild.com

Copyright © 2026 Beaufort Design Build, LLC

BEAUFORT DESIGN BUILD

ARCHITECT / ENGINEER'S SEAL

CAROLINA TEXTILES

CAROLINA TEXTILES APOPKA FL

300 SOUTH BRADSHAW ROAD APOPKA, FL 32703

DESIGN DEVELOPMENT

REVISIONS / SUBMISSIONS

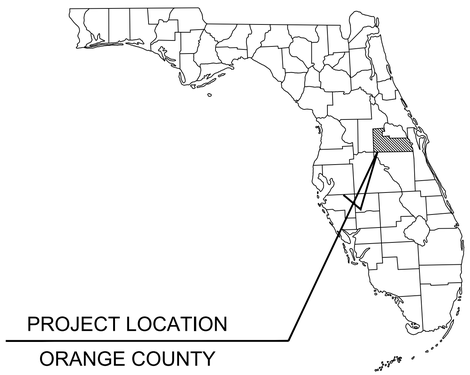
NO.	DESCRIPTION	DATE
1	RESUBMISSION PER SPECIAL EXCEPTION COMMENTS DATED MAY 19, 2026	05/27/2026

SHEET INFORMATION

DATE	APRIL 23, 2026
JOB NUMBER	25039.00
DRAWN	GRM
CHECKED	ADB
APPROVED	DCS

ARCHITECTURAL SITE PLAN

AC-102



CONSTRUCTION SITE PLANS

FOR

ROAD C EXTENSION

LOCATED AT

W KELLY PARK ROAD BETWEEN EFFIE DRIVE AND HW 429
APOPKA, FL 32712

PROJECT TEAM

OWNER
KELLY PARK VB DEVELOPMENT LLC
660 BEACHLAND BLVD, SUITE 301
VERO BEACH, FL 32963

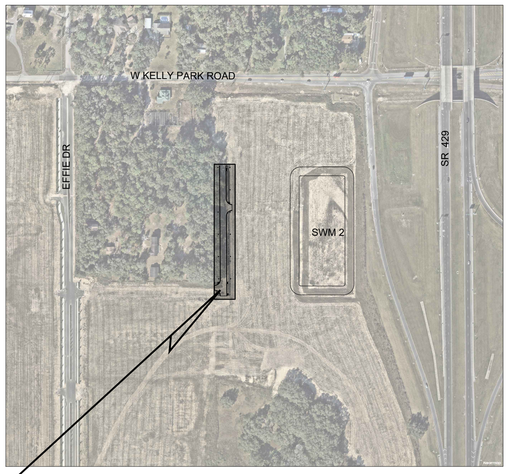
CIVIL ENGINEER
KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200
VERO BEACH, FL 32960
(772) 794-4100
MACKENZIE.CERJAN@KIMLEY-HORN.COM
CONTACT: MACKENZIE CERJAN, P.E.

SURVEYOR
GET TO THE POINT SURVEYING
34414 ALICANTE CT
SORRENTO, FL 32776
SBRAYGTTPSURVEY@GMAIL.COM
CONTACT: STEVE BRAY

LANDSCAPE ARCHITECT
KIMLEY-HORN AND ASSOCIATES, INC.
200 SOUTH ORANGE AVE, SUITE 600
ORLANDO, FL 32801
(407)247-8404
ED.LINQUIST@KIMLEY-HORN.COM
CONTACT: ED LINQUIST, RLA

AS-BUILT SURVEYOR
FLORIDA DESIGN CONSULTANTS, INC.
17907 APRILE DRIVE, SUITE 150
LAND O LAKES, FL 34638
GSTEELE@FLDESIGN.COM
CONTACT: JARED T. PATENAUDE

GEOTECHNICAL CONSULTANT
UNIVERSAL ENGINEERING SERVICES
3532 MAGGIE BLVD
ORLANDO, FL 32804
(407) 423-0504
CONTACT: JUSTIN D. BERNABAS, P.E.



PROJECT LOCATION

VICINITY MAP
N.T.S.

LIST OF CONTACTS

PLANNING AND ZONING
CITY OF APOPKA
120 E. MAIN ST, 2ND FLOOR
APOPKA, FL 32703
(407) 703-1684
CONTACT: JEAN SANCHEZ

STORMWATER
ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
4049 REID STREET
PALATKA, FL 32177
(386) 329-4500

WATER AND SANITARY SEWER
CITY OF APOPKA PUBLIC SERVICES
748 E CLEVELAND ST
APOPKA, FL 32703
(407) 703-1627
CONTACT: VLADIMIR SIMONOVSKI

FIRE PREVENTION
CITY OF APOPKA FIRE DEPARTMENT
175 E 5TH ST
APOPKA, FL 32703
(407) 703-1754
CONTACT: JEREMY HOLDERFIELD

TRANSPORTATION
CITY OF APOPKA
120 E. MAIN ST, 2ND FLOOR
APOPKA, FL 32703
(407) 703-1627
CONTACT: VLADIMIR SIMONOVSKI

TELEPHONE PROVIDER
LUMEN (CENTURYLINK)
555 LAKE BORDER DR.
APOPKA, FL 32703
(407) 814-5310

CABLE PROVIDER
SPECTRUM
3301 E STATE RD 436
APOPKA, FL 32703
(407) 532-8509

NATURAL GAS PROVIDER
LAKE APOPKA NATURAL GAS
1320 WINTER GARDEN VINELAND RD
WINTER GARDEN, FL 34787
(407) 656-2734

ELECTRIC PROVIDER
DUKE ENERGY
RDT SUBDIVISIONS - APOPKA
P.O. BOX 14042
SAINT PETERSBURG, FL 33733
(321) 280-3534
CONTACT: KRISTIN CORDELL

RECLAIMED WATER
CITY OF APOPKA PUBLIC SERVICES
748 E CLEVELAND ST
APOPKA, FL 32703
(407) 703-1627
CONTACT: VLADIMIR SIMONOVSKI

COMMUNICATIONS
SBA COMMUNICATIONS CORPORATION
221 NESBITT LANE
MADISON, TN
SBAIER@SBASITE.COM
CONTACT: STEVEN BAIER

PROJECT SCOPE:

THIS PROJECT INCLUDES THE DEVELOPMENT OF APPROXIMATELY 600 LF OF ACCESS ROADS (PUBLIC) TO SUPPORT A PORTION OF LOT 7 OF THE WYLD OAKS PROJECT. THIS PROJECT IS PART OF THE LARGER DEVELOPMENT, WYLD OAKS (FKA KELLY PARK CROSSINGS). THIS APPLICATION, IS PART OF THE INTERCHANGE DISTRICT OF THE KPI AND IS INCORPORATED INTO THE TOWN CENTER OVERLAY, APPENDIX C, OF THE KPI.

SCREEN READER TECHNOLOGY TAG:

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

PREPARED BY:

Kimley»Horn

Sheet List Table

Sheet Number	Sheet Title
C-000	COVER SHEET
C-001	GENERAL NOTES
C-050	OVERALL PLAN
C-100	DEMOLITION AND EROSION CONTROL PLAN
C-150	EROSION CONTROL DETAILS
C-200	SITE SIGNING AND MARKING PLAN
C-300	PLAN AND PROFILE
C-301	PLAN AND PROFILE
C-302	PLAN AND PROFILE
C-370	SITE DETAILS
C-500	UTILITY PLAN
C-520	UTILITY PROFILES
C-521	UTILITY PROFILES
C-550	UTILITY DETAILS
C-551	UTILITY DETAILS

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MACKENZIE CERJAN ON THE DATE ADJACENT TO THE SEAL. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

MACKENZIE CERJAN LICENSE No. 90545 STATE OF FLORIDA PROFESSIONAL ENGINEER

6/26/2026

KHA PROJECT	147864004
DATE	03/24/2026
SCALE	AS SHOWN
DESIGNED BY	MRM/KR
DRAWN BY	MRM/KR
CHECKED BY	MRC

COVER SHEET

ROAD C EXTENSION
PREPARED FOR
KELLY PARK VB DEVELOPMENT LLC
CITY OF APOPKA FLORIDA

SHEET NUMBER
C-000

Plotted By:DeArmas, Moises Sheet Set:ROAD C EXTENSION Layout:C-000 COVER SHEET June 26, 2026 12:43:56pm K:\ORB_LOE\V\147864004_Kelly Park, Apopka FL\CADD_Road C\CADD\PlanSheets\C-000 COVER SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:DeArmas, Moises Sheet Set:ROAD C EXTENSION Layout:C-001 GENERAL NOTES June 26, 2026 12:44:09pm K:\VRB_LDEV\14786400D_Kelly Park, Apopka FL\CADD_Road C\CADD\PlanSheets\C-001 GENERAL NOTES.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

GENERAL CONSTRUCTION NOTES

1. THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST EDITION) AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK, AND, UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM AS APPLICABLE TO THESE STANDARDS AND SPECIFICATIONS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.

3. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE COMMENCING ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.

4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. AN APPROXIMATE LIST OF THE UTILITY COMPANIES WHICH THE CONTRACTOR MUST CALL BEFORE COMMENCING WORK IS PROVIDED ON THE COVER SHEET OF THESE CONSTRUCTION PLANS. THIS LIST SERVES AS A GUIDE ONLY AND IS NOT INTENDED TO LIMIT THE UTILITY COMPANIES WHICH THE CONTRACTOR MAY WISH TO NOTIFY.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.

6. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, GEOTECHNICAL REPORT AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.

7. 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.

8. ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND DESIGN ENGINEER OF RECORD DIRECTLY FROM THE TESTING AGENCY.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTORS RESPONSIBILITY.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.

11. 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.

12. ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.

DEMOLITION NOTES

1. ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.

2. REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. UNLESS OTHERWISE NOTED, ALL EXISTING BUILDINGS, STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES ARE TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.

3. THE CONTRACTOR SHALL REFER TO THE DEMOLITION PLAN AND TREE INVENTORY PLAN FOR DEMOLITION/PRESERVATION OF EXISTING TREES. ALL TREES NOT SPECIFICALLY SHOWN TO BE PRESERVED OR RELOCATED SHALL BE REMOVED AS A PART OF THIS CONTRACT. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.

4. CONTRACTOR SHALL ADJUST GRADE OF ANY EXISTING UTILITIES TO REMAIN.

PAVING, GRADING AND DRAINAGE NOTES

1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN JURISDICTION'S RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL OR COUNTY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR FDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.

2. ALL UNPAVED AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED.

3. TRAFFIC CONTROL ON ALL FDOT, LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

4. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.

5. ALL OPEN AREAS WITHIN THE PROJECT SITE SHALL BE SODDED UNLESS INDICATED OTHERWISE ON THE LANDSCAPE PLAN.

6. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS.

7. WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.

8. WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT A MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.

9. THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.

10. IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE DESIGN ENGINEER PRIOR TO ANY EXCAVATION.

11. STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED. IN SOME CASES TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS DIRECTED BY THE OWNER.

12. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

13. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS. THE AREAS SHALL THEN BE SODDED OR SEEDED AS SPECIFIED IN THE PLANS, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EARTHEN AREAS WILL BE SODDED OR SEEDED AND MULCHED AS SHOWN ON THE LANDSCAPING PLAN.

14. ALL CUT OR FILL SLOPES SHALL BE 4 (HORIZONTAL) :1 (VERTICAL) OR FLATTER UNLESS OTHERWISE SHOWN.

15. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.

16. SOD, WHERE CALLED FOR, MUST BE INSTALLED AND MAINTAINED ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES.

17. THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE ENVIRONMENTAL RESOURCE PERMIT COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY WATER MANAGEMENT DISTRICT REPRESENTATIVES.

18. THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE NOT COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.

19. THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORM WATER PIPING PER MANUFACTURER'S RECOMMENDATIONS.

RECORD DRAWINGS

1. CONTRACTOR SHALL PROVIDE TO THE ENGINEER AND OWNER A MINIMUM OF 2 HARD COPIES OF A PAVING, GRADING AND DRAINAGE RECORD DRAWING AND A SEPARATE UTILITY RECORD DRAWING, AS WELL AS BOTH IN AUTOCAD 2007 OR LATER, BOTH PREPARED BY A FLORIDA REGISTERED SURVEYOR. THE RECORD DRAWINGS SHALL VERIFY ALL DESIGN INFORMATION INCLUDED ON THE DESIGN PLANS OF THE SAME NAME.

WATER AND SEWER UTILITY NOTES

1. THE CONTRACTOR SHALL CONSTRUCT GRAVITY SEWER LATERALS, MANHOLES GRAVITY SEWER LINES AND DOMESTIC WATER AND FIRE PROTECTION SYSTEM AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS, EQUIPMENT, MACHINERY, TOOLS, MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN FULL AND COMPLETE ACCORDANCE WITH THE SHOWN, DESCRIBED AND REASONABLY INTENDED REQUIREMENTS OF THE CONTRACT DOCUMENTS AND JURISDICTIONAL AGENCY REQUIREMENTS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

2. ALL EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS FOR UTILITY LOCATION AND COORDINATION IN ACCORDANCE WITH THE NOTES CONTAINED IN THE GENERAL CONSTRUCTION SECTION OF THIS SHEET.

3. THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATION IN KIND, UNLESS SHOWN OTHERWISE.

4. DEFLECTION OF PIPE JOINTS AND CURVATURE OF PIPE SHALL NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS. SECURELY CLOSE ALL OPEN ENDS OF PIPE AND FITTINGS WITH A WATERTIGHT PLUG WHEN WORK IS NOT IN PROGRESS. THE INTERIOR OF ALL PIPES SHALL BE CLEAN AND JOINT SURFACES WIPED CLEAN AND DRY AFTER THE PIPE HAS BEEN LOWERED INTO THE TRENCH. VALVES SHALL BE PLUMB AND LOCATED ACCORDING TO THE PLANS.

5. ALL PHASES OF INSTALLATION, INCLUDING UNLOADING, TRENCHING, LAYING AND BACK FILLING, SHALL BE DONE IN A FIRST CLASS WORKMANLIKE MANNER. ALL PIPE AND FITTINGS SHALL BE CAREFULLY STORED FOLLOWING MANUFACTURER'S RECOMMENDATIONS. CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE COATING OR LINING IN ANY D.I. PIPE FITTINGS. ANY PIPE OR FITTING WHICH IS DAMAGED OR WHICH HAS FLAWS OR IMPERFECTIONS WHICH, IN THE OPINION OF THE ENGINEER OR OWNER, RENDERS IT UNFIT FOR USE, SHALL NOT BE USED. ANY PIPE NOT SATISFACTORY FOR USE SHALL BE CLEARLY MARKED AND IMMEDIATELY REMOVED FROM THE JOB SITE, AND SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

6. WATER FOR FIRE FIGHTING SHALL BE AVAILABLE FOR USE PRIOR TO COMBUSTIBLES BEING BROUGHT ON SITE.

7. ALL UTILITY AND STORM DRAIN TRENCHES LOCATED UNDER AREAS TO RECEIVE PAVING SHALL BE COMPLETELY BACK FILLED IN ACCORDANCE WITH THE GOVERNING JURISDICTIONAL AGENCY'S SPECIFICATIONS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.

8. UNDERGROUND LINES SHALL BE SURVEYED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR PRIOR TO BACK FILLING.

9. CONTRACTOR SHALL PERFORM, AT HIS OWN EXPENSE, ANY AND ALL TESTS REQUIRED BY THE SPECIFICATIONS AND/OR ANY AGENCY HAVING JURISDICTION. THESE TESTS MAY INCLUDE, BUT MAY NOT BE LIMITED TO, INFILTRATION AND EXFILTRATION, TELEVISION INSPECTION AND A MANDREL TEST ON GRAVITY SEWER. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE UTILITY PROVIDER, OWNER AND JURISDICTIONAL AGENCY AS REQUIRED.

EROSION CONTROL NOTES

1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THIS EROSION CONTROL PLAN, THE STANDARD DETAILS, THE PLAN NARRATIVE, ATTACHMENTS INCLUDED IN SPECIFICATIONS OF THE SWPPP, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.

2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERIC PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.

3. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.

4. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.

5. EROSION CONTROL PLAN MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.

6. THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERIC PERMIT.

7. CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.

8. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.

9. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.

11. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.

12. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.

EROSION CONTROL NOTES (CONT.)

13. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY CEASED.

14. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRED IN THESE AREAS. REFER TO SECTION 981 OF THE STANDARD SPECIFICATIONS FOR SEEDING AND MAINTENANCE REQUIREMENTS.

15. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.

16. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.

18. ON-SITE & OFF SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.

19. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.

20. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.

21. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION.

MAINTENANCE

ALL MEASURES STATED ON THE EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.

2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED AND RESEEDED AS NEEDED. FOR MAINTENANCE REQUIREMENTS REFER THE STANDARD SPECIFICATIONS.

3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.

4. THE CONSTRUCTION ENTRANCE(S) SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.

5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.

6. OUTLET STRUCTURES, IF APPLICABLE, IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 55 CUBIC YARDS / ACRE.

7. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

TYPICAL ENGINEER OBSERVATIONS

CONTRACTOR SHALL NOTIFY ENGINEER 48 HOURS IN ADVANCE OF THE FOLLOWING ACTIVITIES:

- PRE-CONSTRUCTION MEETING
- SUBGRADE PREPARATION
- BASE INSTALLATION
- ASPHALT INSTALLATION
- UNDERGROUND PIPING AND UTILTIES INSTALLATION
- INSTALLATION OF STRUCTURES, DDCV, HYDRANTS, METERS, ETC.
- SIDEWALK INSTALLATION
- CONNECTIONS TO WATER AND SEWER MAINS
- TESTS OF UTILITIES

3RD PARTY TEST REPORTS REQ'D

TEST REPORTS REQUIRED FOR CLOSE OUT INCLUDE, BUT ARE NOT LIMITED TO:

- DENSITY TEST REPORTS
- BACTERIOLOGICAL TESTS OF WATER SYSTEM
- PRESSURE TEST OF WATER/SEWER
- LEAK TESTS ON SEWER SYSTEM AND GREASE TRAPS
- ANY OTHER TESTING REQUIRED BY THE AGENCY

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MACKENZIE CERJAN ON THE DATE ADJACENT TO THE SEAL. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

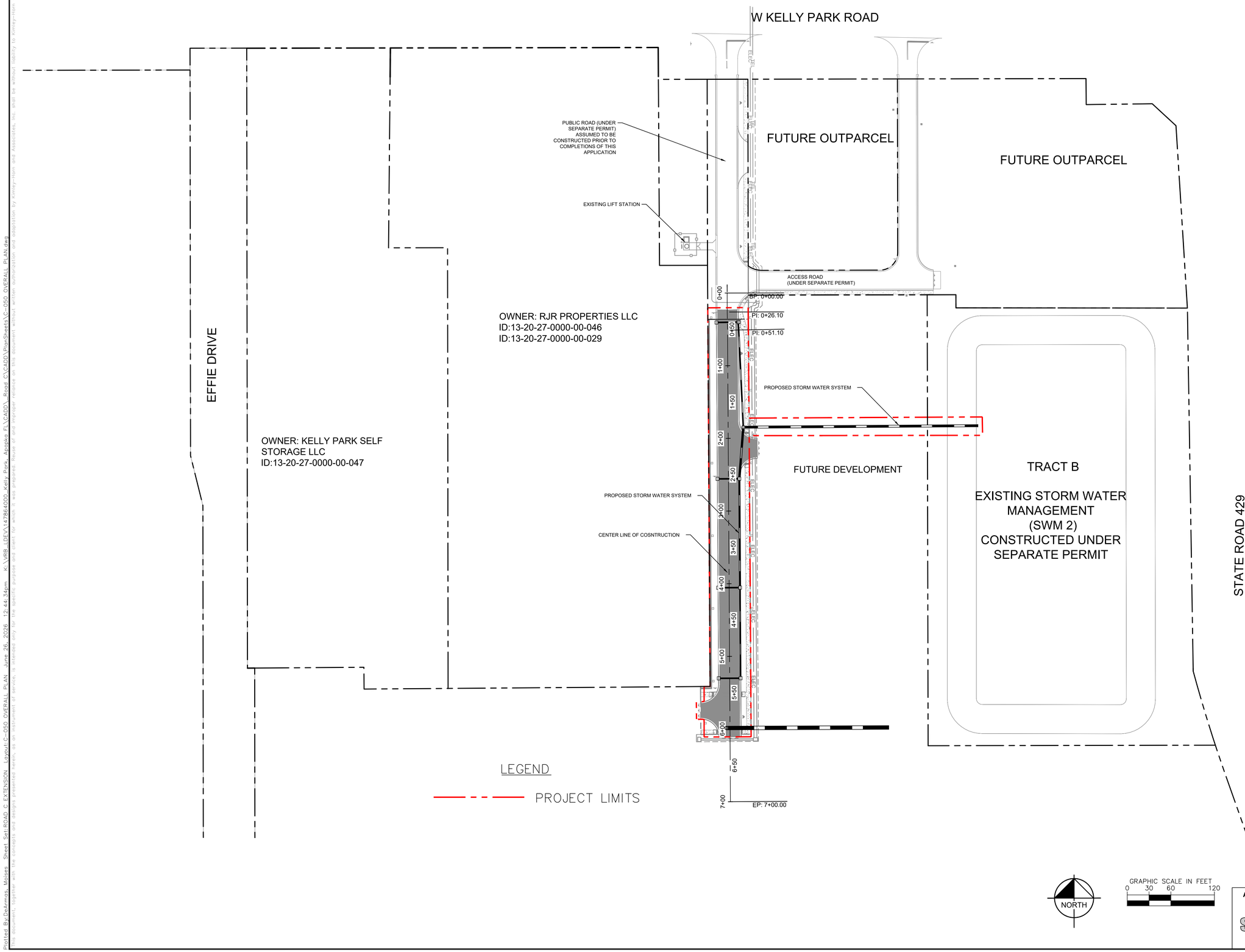
MACKENZIE CERJAN LICENSE No. 90545 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/26/2026

KHA PROJECT	14786400
DATE	03/24/2026
SCALE	AS SHOWN
DESIGNED BY	MRM
DRAWN BY	MRM
CHECKED BY	MRC

GENERAL NOTES

ROAD C EXTENSION
PREPARED FOR
KELLY PARK VB DEVELOPMENT LLC
CITY OF APOPKA FLORIDA

SHEET NUMBER
C-001



THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MACKENZIE CERJAN ON THE DATE ADJACENT TO THE SEAL. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

MACKENZIE CERJAN LICENSE No. 90545 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/26/2026

KHA PROJECT	147864004
DATE	03/24/2026
SCALE	AS SHOWN
DESIGNED BY	MRM
DRAWN BY	MRM
CHECKED BY	MRC

ROAD C EXTENSION

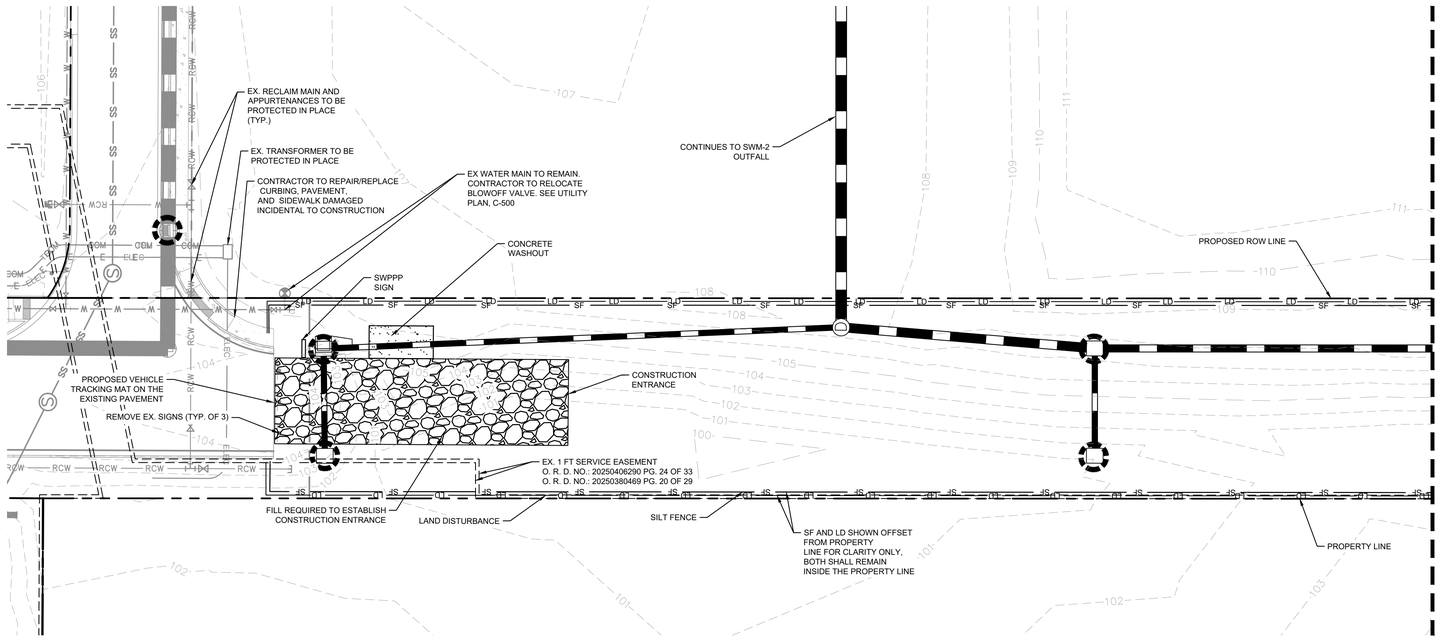
PREPARED FOR
KELLY PARK VB DEVELOPMENT LLC

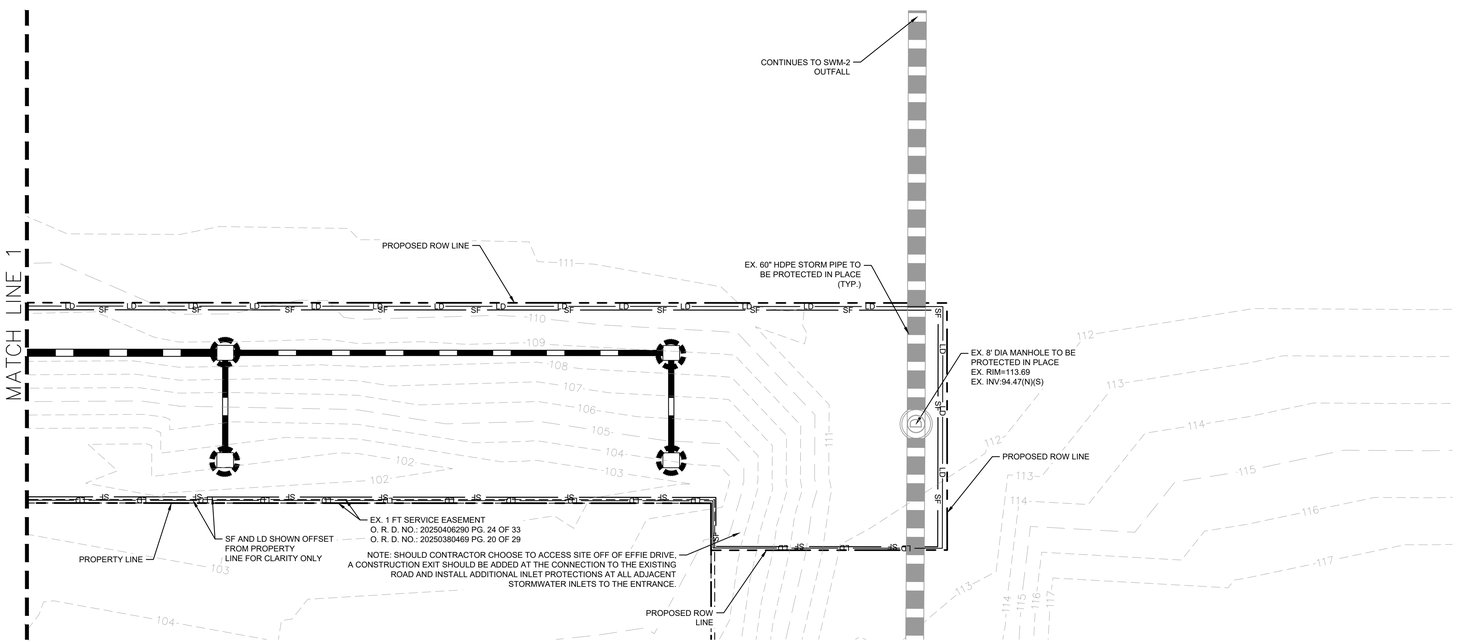
CITY OF APOPKA FLORIDA

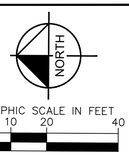
OVERALL PLAN

SHEET NUMBER
C-050

Plotted By:DeArmas, Moises Sheet Set:ROAD C EXTENSION Layout:C-050 OVERALL PLAN June 26, 2026 12:44:34pm K:\VRB_LDEV\147864004-Kelly Park\Road C\CADD\PlanSheets\C-050 OVERALL PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.







GRAPHIC SCALE IN FEET
0 10 20 40

LEGEND

- PROPERTY LINE
- WM — EXISTING WATERMAIN
- SS — EXISTING SANITARY SEWER
- EXISTING DRAINAGE
- LD — LD — LIMITS OF DISTURBANCE
- SF — SILT FENCE/TREE PROTECTION FENCE
- INLET PROTECTION
- CURB TO REMAIN
- CURB TO BE REMOVED

SITE PREPARATION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL INVESTIGATION

ACREAGE SUMMARY	
TOTAL PROJECT AREA	1.1 AC
ON-SITE DISTURBED AREA	1.1 AC
OFF-SITE DISTURBED AREA	0 AC
TOTAL DISTURBED AREA	1.1 AC
IMPERVIOUS AREA AT COMPLETION	0.55 AC
PERVIOUS / SEEDED AREA AT COMPLETION	0.55 AC

NOTES:

1. CONTRACTOR TO CONSIDER DEWATERING ACTIVITIES WHEN PREPARING BID DOCUMENTS FOR THIS PROJECT.
2. CONTRACTOR SHALL OBTAIN ANY NECESSARY DEWATERING PERMITS AS SITE CONDITIONS AND CONSTRUCTION ACTIVITIES REQUIRE.
3. CONTRACTOR TO USE BEST MANAGEMENT PRACTICES TO ENSURE COMPLIANCE WITH NPDES AND WATER MANAGEMENT DISTRICT REGULATIONS FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES AND DEWATERING OPERATIONS.
4. CONTRACTOR TO ALSO REFER TO EROSION CONTROL NOTES, SHEET C-150

SEQUENCE OF CONSTRUCTION

UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILER, PARKING, LAYDOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC., IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS.

PHASE 1:

1. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE(S) AND INSTALL SILT FENCE.
2. CONSTRUCT AND STABILIZE DRAINAGE SWALES (AS APPLICABLE) WITH APPROPRIATE OUTFALL STRUCTURES (CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL CONTROL DEVICES LISTED ABOVE).
3. INSTALL INLET PROTECTION AT EXISTING INLET(S).
4. INSTALL AND STABILIZE ANY NECESSARY HYDRAULIC CONTROL STRUCTURES (DIKES, CHECK DAMS, OUTLET TRAPS, RISER PIPE DISCHARGE POINT, ETC.)
5. PREPARE CLEARING AND GRUBBING OF THE SITE IF, APPLICABLE.

HALT ALL ACTIVITIES AND CONTACT THE CONSULTANT TO PERFORM INSPECTION AND CERTIFICATION OF BMPS. GENERAL CONTRACTOR SHALL SCHEDULE AND CONDUCT STORM WATER PRE-CONSTRUCTION MEETING WITH CONSULTANT AND ALL GROUND-DISTURBING CONTRACTORS BEFORE PROCEEDING WITH CONSTRUCTION.

PHASE 2:

6. ROUGH GRADE TO ESTABLISH PROPOSED DRAINAGE PATTERNS.
7. START CONSTRUCTION OF INFRASTRUCTURE.
8. TEMPORARILY SEED WITH PURE LIVE SEED, THROUGHOUT CONSTRUCTION, DISTURBED AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE OR AS REQUIRED BY GENERIC PERMIT.

CONTRACTOR TO BE RESPONSIBLE FOR OBTAINING ALL DEWATERING PERMITS NECESSARY FOR CONSTRUCTION.

MAINTENANCE

ALL MEASURES STATED ON THIS SITE MAP, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
4. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND.

DEMOLITION NOTES:

1. THE INTENT OF THE DEMOLITION PLAN IS TO DEPICT EXISTING FEATURES THAT ENCUMBER THE PROPOSED CONSTRUCTION AREA AND ARE SCHEDULED FOR REMOVAL. SOME INCIDENTAL ITEMS MAY HAVE BEEN INADVERTENTLY OMITTED FROM THE PLAN. THE CONTRACTOR IS ENCOURAGED TO THOROUGHLY INSPECT THE SITE AS WELL AS REVIEW THE PLANS AND SPECIFICATIONS PRIOR TO SUBMITTING PRICING. CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR INCIDENTAL ITEMS NOT SHOWN ON THIS DEMOLITION PLAN.
2. THIS DEMOLITION PLAN IS BASED ON AVAILABLE UTILITY INFORMATION AND MAY OR MAY NOT BE ALL INCLUSIVE FOR THIS SITE. ANY UTILITIES ENCOUNTERED DURING DEMOLITION THAT ARE NOT DEPICTED/ADDRESSED ON THIS DRAWING SHOULD BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER IMMEDIATELY.
3. CONTRACTOR IS REQUIRED TO OBTAIN ALL DEMOLITION PERMITS.
4. ALL FEATURES IDENTIFIED ON THIS PLAN WHICH ARE LISTED TO BE DEMOLISHED ARE TO BE REMOVED FROM THE SITE. AFTER DEMOLITION IS COMPLETE THE SITE SHALL BE DELIVERED IN A CONDITION SUITABLE FOR DEVELOPMENT.
5. CONTRACTOR SHALL LIMIT ALL DEMOLITION ACTIVITIES TO THOSE AREAS DELINEATED ON THE CONSTRUCTION DRAWINGS UNLESS OTHERWISE DIRECTED BY THE DEVELOPER OR AS REQUIRED FOR CONSTRUCTION OF IMPROVEMENTS.
6. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING AIRBORNE DUST AND POLLUTANTS BY USING WATER SPRINKLING OR OTHER SUITABLE MEANS OF CONTROL.
7. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, SIDEWALKS, ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
8. DEWATERING SHOULD BE ANTICIPATED AND INCLUDED.
9. ALL ASPHALT TO BE REMOVED SHALL BE SAW CUT ADJACENT TO REMAINING IMPROVEMENTS.
10. WHERE REMAINING, INLETS, MANHOLE COVERS, AND VALVE COVERS TO BE PROTECTED IN PAVEMENT REMOVAL AREAS. CONTRACTOR SHALL REPLACE DAMAGED STRUCTURES AT THEIR EXPENSE.
11. CONTRACTOR SHALL INSTALL A CONTINUOUS SCREENED CONSTRUCTION FENCING ALONG PROJECT BOUNDARY.
12. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC. AS APPROVED BY CITY OF APOPKA AND CONSTRUCTION MANAGER.
13. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF EXISTING FACILITIES AND CONSTRUCTION OF NEW FACILITIES. SIGNAGE SHALL BE POSTED TO DIRECT THE PUBLIC TO THE PATH OF TRAVEL.
14. EXISTING RETAIL BUILDING SHALL HAVE UNDISRUPTED ACCESS AT ALL TIMES. ALL PARKING SPACES AND DRIVE AISLES OUTSIDE OF THE LIMITS OF DISTURBANCE SHALL BE ACCESSIBLE AND SHIELDED FROM CONSTRUCTION ACTIVITIES AT ALL TIMES.

SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE

NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH THEIR SPECIFIC PROJECT SCHEDULE

CONSTRUCTION SEQUENCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TEMPORARY CONSTRUCTION EXITS																								
TEMPORARY CONTROL MEASURES																								
SEDIMENT CONTROL BASINS																								
STRIP & STOCKPILE TOPSOIL																								
ROUGH GRADE																								
STORM FACILITIES																								
SITE CONSTRUCTION																								
PERMANENT CONTROL STRUCTURES																								
FOUNDATION / BUILDING CONSTRUCTION																								
FINISH GRADING																								
LANDSCAPING/SEED/FINAL STABILIZATION																								

SURVEY NOTES:

INFORMATION ON THIS PLAN HAS BEEN TAKEN FROM AN AS-BUILT SURVEY OF THE WYLD OAKS MASS GRADING DEVELOPMENT BY FLORIDA DESIGN CONSULTANTS, INC. DATED JANUARY 28, 2026. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHIC AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR TO THE OWNER FOR REVIEW. ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 ADJUSTMENT (NAVD 1988). THE CONTRACTOR SHOULD FIELD VERIFY EXISTING TOPOGRAPHY PRIOR TO COMMENCING CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MACKENZIE CERJAN ON THE DATE ADJACENT TO THE SEAL. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

MACKENZIE CERJAN LICENSE No. 90545 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/26/2026

KHA PROJECT 147864004
DATE 03/24/2026
SCALE AS SHOWN
DESIGNED BY MRM
DRAWN BY MRM
CHECKED BY MRC

DEMOLITION AND EROSION CONTROL PLAN

ROAD C EXTENSION

PREPARED FOR
KELLY PARK VB DEVELOPMENT LLC

CITY OF APOPKA FLORIDA

SHEET NUMBER
C-100

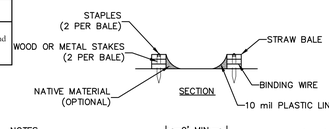
Plotted By:DeArmas Moises Sheet Set:ROAD C EXTENSION Layout:C-100 DEMOLITION AND EROSION CONTROL PLAN June 26, 2026 12:45:02pm K:\VRB_SDE\147864004_Kelly Park, Apopka FL\CADD_Road C\CADD\PlanSheets\C-100 DEMOLITION AND EROSION CONTROL PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Section 1	Project Name and location information:	ROAD C EXTENSION, BETWEEN EFFIE DRIVE, AND HW 429 APOPKA, FL 32712
Section 2	Describe the nature of the construction activity:	CONSTRUCTION OF INFRASTRUCTURE FOR ROAD C EXTENSION
Section 3	Describe the intended sequence of major soil disturbing activities:	CONSTRUCTION OF EROSION AND SEDIMENT CONTROLS, GRADING AND CONSTRUCTION OF STORM SEWER
Section 4	Total area of the site:	50.67 AC
Section 5	Total area of the site to be disturbed:	1.10 AC
Section 6	Existing data describing the soil or quality of any stormwater discharge from the site:	BASED ON THE SOIL SURVEY OF ORANGE COUNTY, FLORIDA, AS PREPARED BY THE U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE (FORMERLY THE SOIL CONSERVATION SERVICE), THE PROPERTY IS UNDERLAIN BY BROAD AREAS OF SANDY SOILS IDENTIFIED AS VARIANTS OF "CANDLER FINE SANDS". THESE SANDY SOILS ARE COMMONLY FOUND ON KNOLLS AND RIDGES ON MARINE TERRACES. THESE SOILS REPORTEDLY ARE MODERATELY TO STEEPLY SLOPING AND EXCESSIVELY WELL DRAINED. DEPTHS TO GROUNDWATER ARE TYPICALLY MORE THAN 80 INCHES BELOW THE NATURAL GROUND SURFACE FOR MOST OF THE YEAR
Section 7	Estimate the drainage area size for each discharge point:	1.1 AC.
Section 8	Latitude and longitude of each discharge point and identify the receiving water or MS4 for each discharge point:	PROJECT LOCATION: LAT: 28°45'17.38" N LONG: 81°34'7.97" W RECEIVING WATER: ONSITE RETENTION (SWM-2)
Section 9	Give a detailed description of all controls, Best Management Practices (BMPs) and measures that will be implemented at the construction site for each activity identified in the intended sequence of major soil disturbing activities section. Provide time frames in which the controls will be implemented. NOTE: All controls shall be consistent with performance standards for erosion and sediment control and stormwater treatment set forth in s. 62-40.432, F.A.C., the applicable Stormwater or Environmental Resource Permitting requirements of the Department or a Water Management District, and the guidelines contained in the State of Florida Erosion and Sediment Control Designer and Reviewer Manual, FDOT, FDEP, and any subsequent amendments.	
	SILT FENCE SHALL BE INSTALLED AROUND THE PERIMETER OF THE CONSTRUCTION SITE. CURB INLET SEDIMENT CONTROL AND INLET INSERT SHALL BE INSTALLED ON CURB AND STORM INLETS	
Section 10	Describe all temporary and permanent stabilization practices. Stabilization practices include temporary seeding, mulching, permanent seeding, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, vegetative preservations, etc.	
	THE PERIMETER SILT FENCE SHALL BE MAINTAINED AROUND THE ENTIRE PROJECT SITE UNTIL LANDSCAPE / STABILIZATION HAS BEEN INSTALLED.	
Section 11	Describe all structural controls to be implemented to divert stormwater flow from exposed soils and structural practices to store flows, retain sediment on-site or in any other way limit stormwater runoff. These controls include silt fences, earth dikes, diversions, swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, coagulating agents and temporary or permanent sediment basins.	
	SILT FENCE, CURB INLET, INLET INSERT, CONSTRUCTION EXIT	
Section 12	Describe all sediment basins to be implemented for areas that will disturb 10 or more acres at one time. The sediment basins (or an equivalent alternative) should be able to provide 3,600 cubic feet of storage for each acre drained. Temporary sediment basins (or an equivalent alternative) are recommended for drainage areas under 10 acres.	
	N/A	
Section 13	Describe all permanent stormwater management controls such as, but not limited to, detention or retention systems or vegetated swales that will be installed during the construction process.	
	N/A	

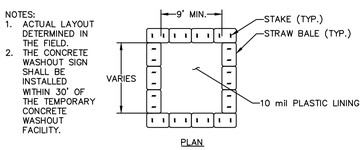
Section 14	Waste disposal, this may include construction debris, chemicals, litter, and sanitary wastes:	All construction materials and debris will be placed in a dumpster and hauled off site to a landfill or other proper disposal site. No materials will be buried on site.
Section 15	Offsite vehicle tracking from construction entrances/exits:	Off site vehicle tracking of sediments and dust generation will be minimized via a rock construction entrance, street sweeping and the use of water to keep dust down.
Section 16	The proper application rates of all fertilizers, herbicides and pesticides used at the construction site:	Florida-friendly fertilizers and pesticides will be used at a minimum and in accordance with the manufacturer's suggested application rates.
Section 17	The storage, application, generation and migration of all toxic substances:	All paints and other chemicals will be stored in a locked covered shed.
Section 18	Other:	Port-o-lets will be placed away from storm sewer systems, storm inlet(s), surface waters 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 that will allow for the discharge of polluted runoff.
Section 19	Provide a detailed description of the maintenance plan for all structural and non-structural controls to assure that they remain in good and effective operating condition.	
	Contractor shall provide routine maintenance of permanent and temporary sediment and erosion control features in accordance with the technical specifications or as follows, whichever is more stringent: • 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 sediment. • Inlet(s)/outfalls shall be inspected immediately after each rain event and any required repairs to the filter inlets, silt fence, or filter fabric shall be performed immediately. • Bare areas of the site that were previously seeded shall be reseeded per manufactures' 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.	
Section 20	Inspections: Describe the inspection and inspection documentation procedures, as required by the FDEP NPDES Generic Permit for Stormwater Discharge from Large and Small Construction Activities.	
	Qualified personnel will inspect all points of discharges, all disturbed areas of construction that have not been stabilized, constructed areas and locations where vehicles enter and exit the site, and all BMPs at least once every 7 calendar days and within 24 hours of the end of a rainfall event that is 0.5 inches or greater. Where sites have been finally stabilized, sad inspections shall be conducted at least once every month until the Notice of Termination is filed.	
Section 21	Identify and describe all sources of non-stormwater discharges as allowed by the FDEP NPDES Generic Permit for Stormwater Discharge from Large and Small Construction Activities.	
	N/A	
Section 22	All contractor(s) and subcontractor(s) identified in the SWPPP must sign the following certification:	
	"I certify under penalty of law that I understand, and shall comply with, the terms and conditions of the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities and this Stormwater Pollution Prevention Plan prepared thereunder."	

EROSION CONTROL NOTES

1. SEDIMENT BASINS AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND DISTURBING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UP-SLOPE LAND DISTURBANCE TAKES PLACE.
2. ALL SEDIMENT CONTROL MEASURES ARE TO BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON BALANCE OF SITE. PERIMETER SEDIMENT BARRIERS SHALL BE CONSTRUCTED TO PREVENT SEDIMENT OR TRASH FROM FLOWING OR FLOATING ON TO ADJACENT PROPERTIES.
3. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN (7) DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT UNDISTURBED FOR MORE THAN ONE YEAR.
4. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCK PILES SHALL BE STABILIZED, COVERED OR CONTAINED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.
5. A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED.
6. AFTER ANY SIGNIFICANT RAINFALL, SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED FOR INTEGRITY. ANY DAMAGED DEVICES SHALL BE CORRECTED IMMEDIATELY.
7. CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME, SLOPE DRAIN STRUCTURE OR APPROVED CONTROL.
8. SEDIMENT WILL BE PREVENTED FROM ENTERING ANY STORM WATER SYSTEM, DITCH OR CHANNEL. ALL STORM WATER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
9. WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION.
10. PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED. THE DEVELOPER, OWNER AND/OR CONTRACTOR SHALL BE CONTINUALLY RESPONSIBLE FOR ALL SEDIMENT CONTROLS. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
11. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PUBLIC ROAD SURFACE WITH CURBS AND GUTTERS, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL SUBDIVISION LOTS AS WELL AS TO LARGER LAND DISTURBING ACTIVITIES.
12. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
13. PROPERTIES AND WATERWAYS DOWNSTREAM FROM CONSTRUCTION SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND EROSION AT ALL TIMES DURING CONSTRUCTION.
14. EROSION CONTROL DESIGN AND CONSTRUCTION SHALL FOLLOW THE REQUIREMENTS IN THE "FLORIDA EROSION AND SEDIMENT CONTROL MANUAL" AND COUNTY PERMITS.
15. CONTRACTOR IS RESPONSIBLE FOR ALL SURFACE WATER DISCHARGES, RAINFALL RUN OFF OR DEWATERING ACTIVITIES.
16. CONTRACTOR MUST INCORPORATE ALL BMP'S NECESSARY TO MEET OR EXCEED STATE WATER QUALITY AND SWPPP REQUIREMENTS.
17. THE POLLUTION PREVENTION PLAN IS A MINIMUM GUIDELINE ONLY. ADDITIONAL BMP'S MAY BE NECESSARY AT CONTRACTOR'S EXPENSE.
18. NOI TO BE POSTED ON SITE.



SECTION

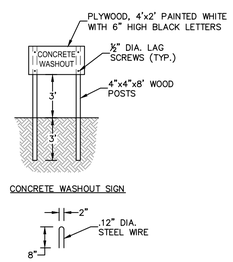


NOTES:
1. ACTUAL LAYOUT DETERMINED IN THE FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

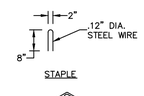
PLAN

CONCRETE & STUCCO WASTE MANAGEMENT

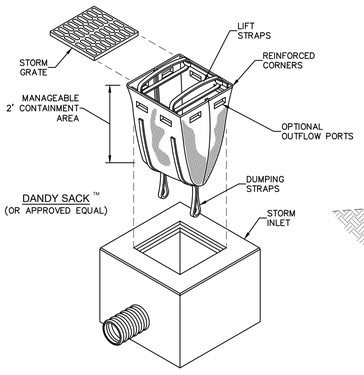
N.T.S



CONCRETE WASHOUT SIGN



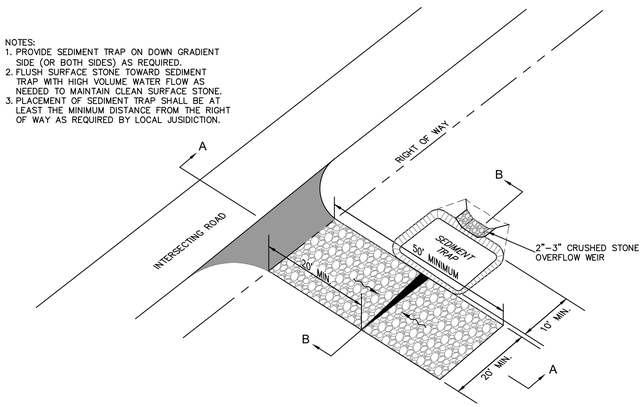
STAPLE



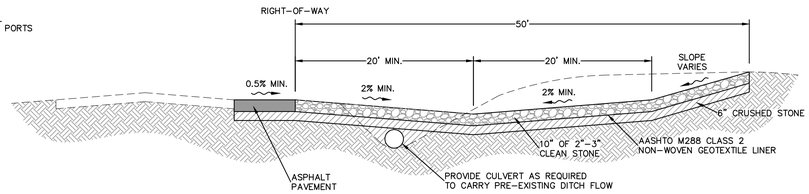
INLET INSERT

N.T.S

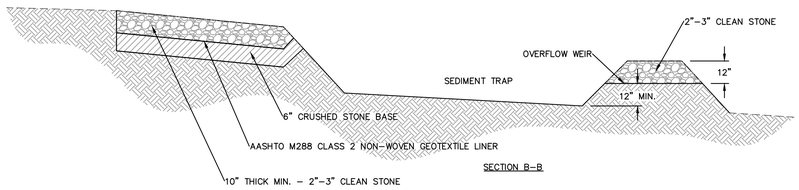
NOTES:
1. PROVIDE SEDIMENT TRAP ON DOWN GRADIENT SIDE (OR BOTH SIDES) AS REQUIRED.
2. FLUSH SURFACE STONE TOWARD SEDIMENT TRAP WITH HIGH VOLUME WATER FLOW AS NEEDED TO MAINTAIN CLEAN SURFACE STONE.
3. PLACEMENT OF SEDIMENT TRAP SHALL BE AT LEAST THE MINIMUM DISTANCE FROM THE RIGHT OF WAY AS REQUIRED BY LOCAL JUSIDICTION.



VIEW



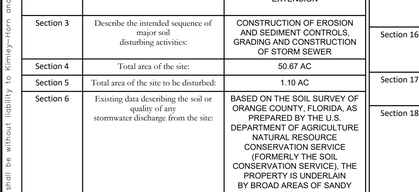
SECTION A-A

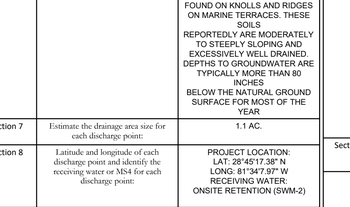


SECTION B-B

CONSTRUCTION EXIT

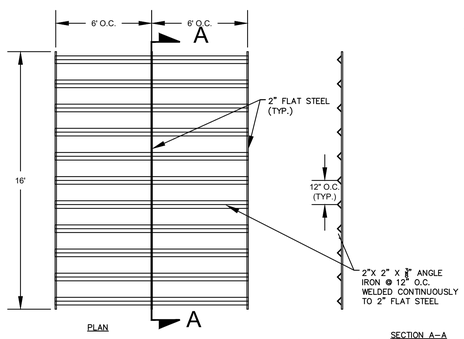
N.T.S





CURB INLET SEDIMENT CONTROL

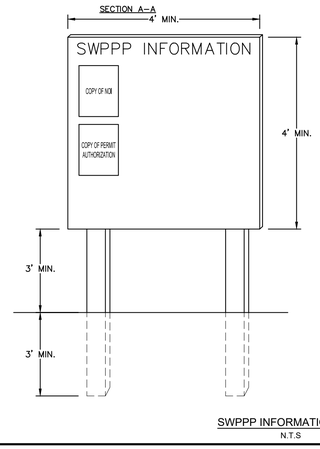
N.T.S



PLAN

RUMBLE PAD

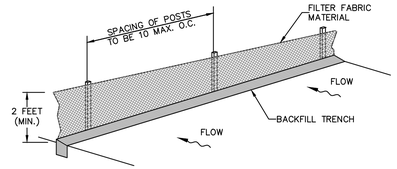
N.T.S

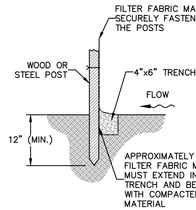


SWPPP INFORMATION SIGN

N.T.S

NOTES:
1. "SWPPP INFORMATION" MUST BE DISPLAYED PROMINENTLY ACROSS THE TOP OF THE SIGN, AS SHOWN IN THE DETAIL.
2. SIGN TO BE CONSTRUCTED OF A RIGID MATERIAL, SUCH AS PLYWOOD OR OUTDOOR SIGN BOARD. SIGN MUST BE CONSTRUCTED IN A MANNER TO PROTECT DOCUMENTS FROM DAMAGE DUE TO WEATHER (WIND, SUN, MOISTURE, ETC.).
3. THE SWPPP INFORMATION SIGN MUST BE LOCATED NEAR THE ENTRANCE/EXIT OF THE SITE, SUCH THAT IT IS ACCESSIBLE/VIEWABLE BY THE GENERAL PUBLIC, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A SAFETY HAZARD.
4. ALL POSTED DOCUMENTS MUST BE MAINTAINED IN A CLEARLY READABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE-OF-TERMINATION (NOT) IS FILED FOR THE PERMIT.
5. CONTRACTOR SHALL POST OTHER STORM WATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE LOCAL AGENCY.
6. SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY.
7. CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THIS SWPPP INFORMATION SIGN.

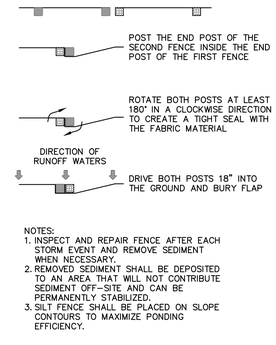




SILT FENCE INSTALLATION

N.T.S

ATTACHING TWO SILT FENCES



NOTES:
1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MACKENZIE CERJAN ON THE DATE ADJACENT TO THE SEAL. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

MACKENZIE CERJAN LICENSE No. 90545 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/26/2026

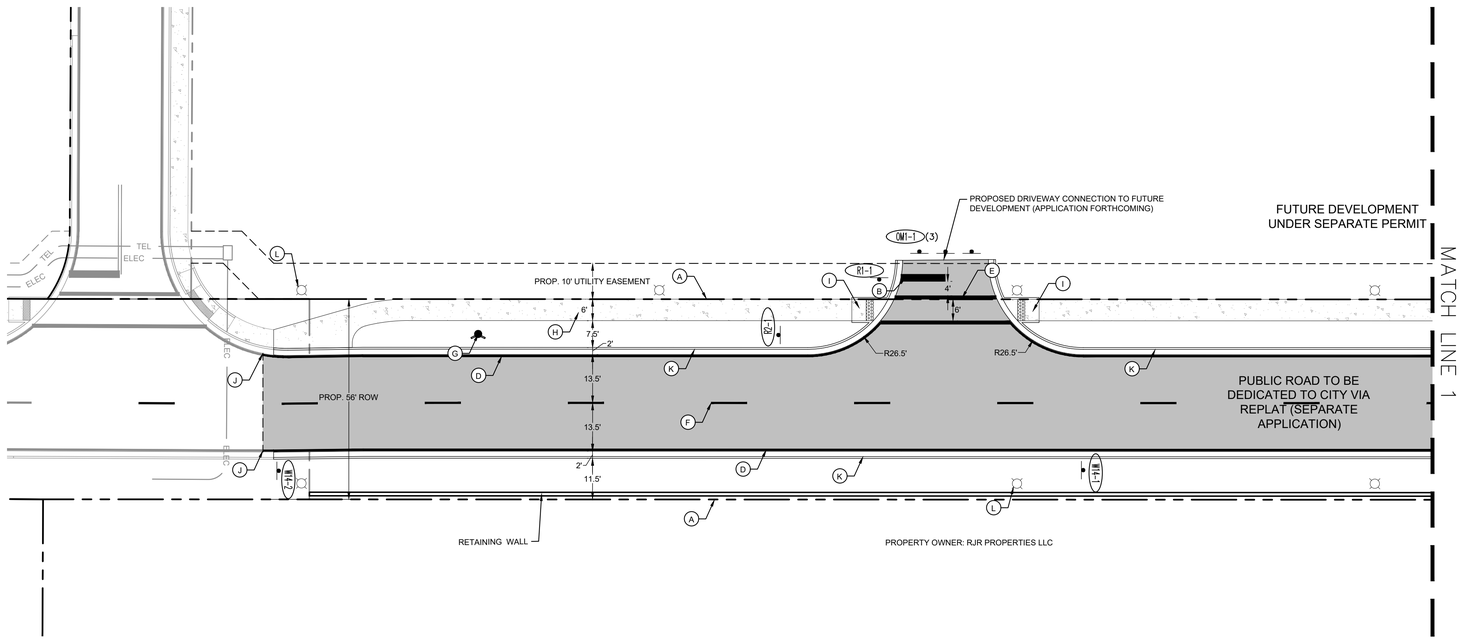
KHA PROJECT	147864004
DATE	03/24/2026
SCALE	AS SHOWN
DESIGNED BY	MRM
DRAWN BY	MRM
CHECKED BY	MRC

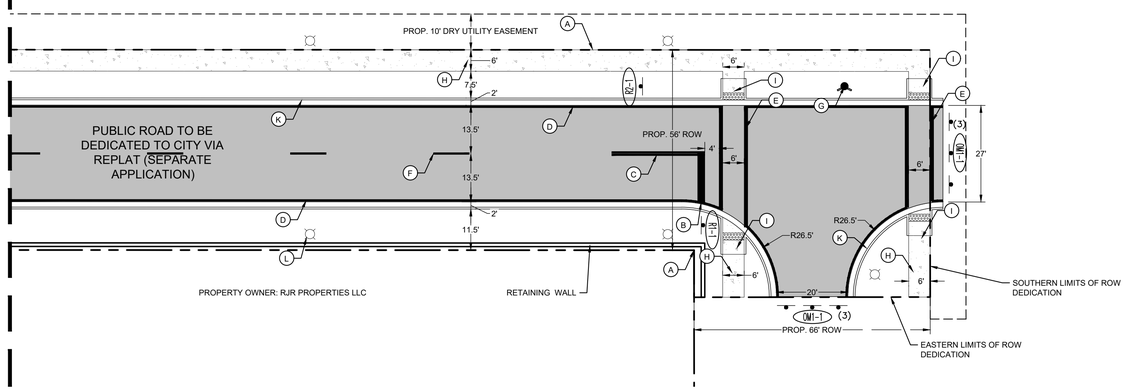
EROSION CONTROL DETAILS

ROAD C EXTENSION
PREPARED FOR
KELLY PARK VB DEVELOPMENT LLC
CITY OF APOPKA FLORIDA

SHEET NUMBER
C-150

Plotted By:DeArmas, Moises Sheet Set:ROAD C EXTENSION Layout:C-150 EROSION CONTROL DETAILS June 26, 2026 12:45:12pm K:\ORB_DFW\147864004D_Kelly Park, Apopka FL\CAD_Road C\CAD\PlanSheets\C-150 EROSION CONTROL DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

SITE DATA

PROJECT DESCRIPTION:	CONSTRUCTION OF ROAD EXTENSION
PARCEL ID:	13-20-27-9480-07-000
LOCATION:	SECTION 13, TOWNSHIP 20S, RANGE 27E
ADDRESS:	W KELLY PARK ROAD BETWEEN EFFIE DRIVE AND HWY 429 APOPKA, FL 32712
ZONING DISTRICT:	KPI-MU (MIXED USE/INTERCHANGE DISTRICT)
FLOOD ZONE:	ZONE X, AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 12095C0050H, EFFECTIVE DATE 9/24/2021
FUNCTIONAL CLASSIFICATION:	LOCAL ROAD
ROAD TYPICAL SECTION:	SECTION TYPE 1D

LEGEND

- (A) PROPERTY LINE
- (B) 24" STOP BAR PAVEMENT MARKING WITH STOP SIGN
- (C) 6" DOUBLE YELLOW PAVEMENT MARKINGS (TYP.)
- (D) 6" WHITE PAVEMENT MARKINGS (TYP.)
- (E) 12" WHITE CROSS WALK PAVEMENT MARKINGS (TYP.)
- (F) 6" YELLOW 10-30 SKIP PAVEMENT MARKING (TYP.)
- (G) FIRE HYDRANT (SEE NOTE 4)
- (H) CONCRETE SIDEWALK (REFER TO DETAIL, SHEET C-370)
- (I) ACCESSIBLE CURB RAMP AND DETECTABLE WARNING SEE DETAIL SHEET C-370
- (J) MATCH EX. PAVEMENT MARKINGS
- (K) TYPE F CURB AND GUTTER
- (L) PROPOSED LIGHT POLE BY DUKE

NOTES:

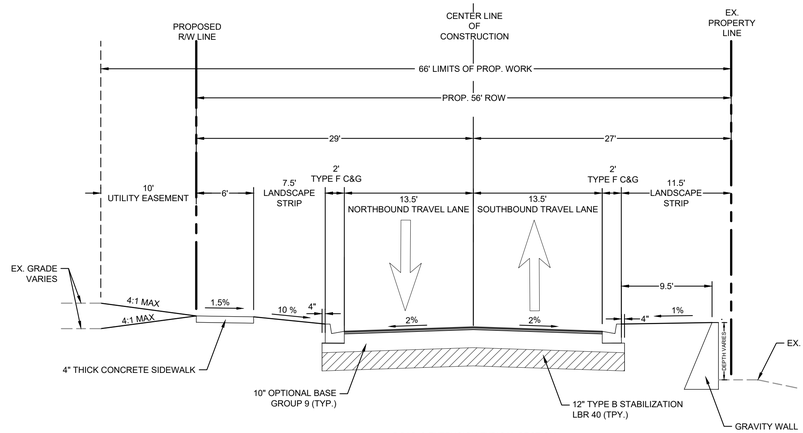
1. REFER TO ROAD TYPICAL SECTION AND PAVEMENT DETAILS THIS SHEET.
2. REFER TO LANDSCAPE PLANS FOR LANDSCAPE DETAILS.
3. ALL STRIPING ON ROADWAYS AND DRIVE AISLES (STOP BARS, CROSSWALKS, LANE STRIPING) SHALL BE THERMOPLASTIC AND COMPLIANT WITH FDOT STANDARD INDEX 711-001.
4. BLUE RPM TO BE INSTALLED IN PAVEMENT AT EACH HYDRANT LOCATION. OFFSET 6" FROM CENTERLINE OF PAVEMENT ON THE SIDE CLOSEST TO THE HYDRANT (TYP.).
6. ALL SIGNS TO BE MUTCD COMPLIANT
7. REFER TO C-300 FOR PUBLIC ROADWAY PROFILE

SYMBOL LEGEND

- PROPERTY LINE
- DETECTABLE WARNING MAT PER FDOT INDEX #722-002
- CONCRETE SIDEWALK REFER TO SITE DETAIL SHEET
- SIGN POST
- LIGHT POLE

SIGNAGE/MARKING LEGEND

- STOP — 30" STOP SIGN (R1-1)
- TYPE 1 AND 4 OBJECT MARKER SIGN (OM1-1)
- DEAD END — DEAD END SIGN (W14-1) SIGN TO BE REMOVED UPON CONNECTION TO EFFIE DRIVE (FUTURE PHASE)
- NO OUTLET — NO OUTLET (W14-2) SIGN TO BE REMOVED UPON CONNECTION TO EFFIE DRIVE (FUTURE PHASE)
- SPEED LIMIT 25 — SPEED LIMIT SIGN (R2-1)



ROAD C EXTENSION TYPICAL SECTION
N.T.S.

PAVEMENT DESIGN

1" TYPE SP-9.5 ASPHALTIC CONCRETE (TRAFFIC C)
2" TYPE SP 12.5 ASPHALTIC CONCRETE STRUCTURAL COURSE
10" OPTIONAL BASE GROUP 9
12" TYPE B STABILIZATION LBR 40

DESIGN SPEED = 30 MPH
POSTED SPEED = 25 MPH

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MACKENZIE CERJAN ON THE DATE ADJACENT TO THE SEAL. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

MACKENZIE CERJAN LICENSE No. 90545 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/26/2026

KHA PROJECT	147864004
DATE	03/24/2026
SCALE	AS SHOWN
DESIGNED BY	MRM
DRAWN BY	MRM
CHECKED BY	MRC

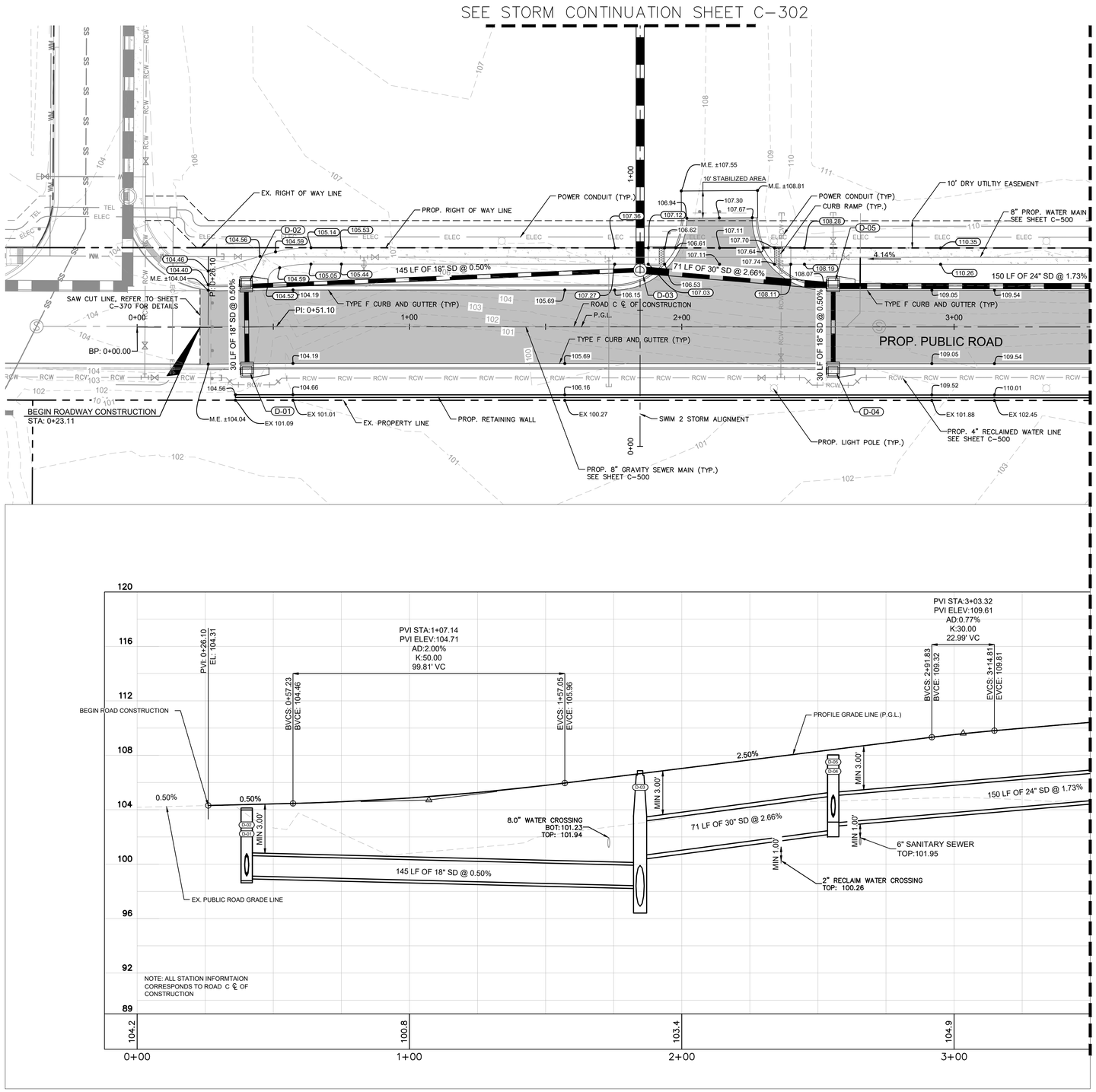
SITE SIGNING AND MARKING PLAN

ROAD C EXTENSION

PREPARED FOR
KELLY PARK VB DEVELOPMENT LLC
CITY OF APOPKA FLORIDA

SHEET NUMBER
C-200

Plotted By:DeArmas, Moises Sheet Set:ROAD C EXTENSION Layout:C-200 SITE SIGNING AND MARKING PLAN June 26, 2026 12:45:56pm K:\VRB_LDE\VA147864004_Kelly Park, Apopka FL\CAD\Road C\CADD\PlanSheets\VC-200 SITE SIGNING AND MARKING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



STRUCTURE TABLE				
STRUCTURE	DETAILS	INVERT	PIPE	TO
D-01	P5 RIM: 103.98	E. INV. EL. 99.28	18" SD @ 0.50%	D-02
D-02	P5 RIM: 104.13	S. INV. EL. 99.13 W. INV. EL. 99.13	18" SD @ 0.50% 18" SD @ 0.50%	D-03 D-01
D-03	MH RIM: 106.87	N. INV. EL. 98.41 S. INV. EL. 100.62 E. INV. EL. 96.91	18" SD @ 0.50% 30" SD @ 2.66% 36" SD @ 0.44%	D-02 D-05 D-25
D-04	P5 RIM: 108.03	E. INV. EL. 103.59	18" SD @ 0.50%	D-05
D-05	P5 RIM: 108.03	N. INV. EL. 102.51 S. INV. EL. 103.02 W. INV. EL. 103.44	30" SD @ 2.66% 24" SD @ 1.73% 18" SD @ 0.50%	D-03 D-07 D-04

NOTE: ALL STRUCTURES SHALL BE CONSTRUCTED WITH A MINIMUM 6-INCH SUMP BELOW THE LOWEST PIPE INVERT.

LEGEND

- XX.XX — PROPOSED GRADE (NAVD) EDGE OF PAVEMENT
- (XX.XX) — PROPOSED GRADE (NAVD) TOP OF CURB/SIDEWALK GRADE
- EXISTING GRADES (FROM SURVEY, NAVD)
- H.P. — HIGH POINT
- R.C. — ROAD CROWN
- CI — CURB INLET
- VG — VALLEY GUTTER INLET
- EX — DENOTES EXISTING FEATURE
- MH — STORM MANHOLE
- SD — STORM DRAIN (SEE DRAINAGE NOTE 17)
- M.E. — MATCH EXISTING
- ASPHALT PAVEMENT *
- STANDARD CONCRETE SIDEWALK

* REFER TO SHEET C-200 FOR ROADWAY PAVEMENT DESIGN

PAVING AND GRADING NOTES

1. EXISTING TOPOGRAPHIC ON THIS PLAN HAS BEEN TAKEN FROM AN AS-BUILT SURVEY OF THE WYLD OAKS MASS GRADING DEVELOPMENT BY FLORIDA DESIGN CONSULTANTS, INC. DATED JANUARY 28, 2026. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR TO THE OWNER FOR REVIEW. ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 ADJUSTMENT (NAVD 1988).
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
3. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
4. ALL MATERIALS AND CONSTRUCTION WITHIN THE FDOT RIGHT-OF-WAY SHALL CONFORM TO THE LATEST FDOT DESIGN STANDARDS AND LATEST STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
5. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE SPECIFICATIONS AND LOCAL JURISDICTIONAL AGENCY. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
6. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
7. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
8. ALL AREAS INDICATED AS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL PAVEMENT SECTIONS AS INDICATED ON THE DRAWINGS.
9. WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW-CUT THE FULL DEPTH OF PAVEMENT FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.
10. WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW-CUT THE FULL DEPTH OF EXISTING PAVEMENT FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED PAVEMENT UNLESS OTHERWISE INDICATED.
11. ELEVATIONS SHOWN AT CURB LINE ARE EDGE OF PAVEMENT UNLESS SPECIFIED OTHERWISE.
12. CONTRACTOR SHALL EXCAVATE EXISTING PAVEMENT/SIDEWALK AREAS THAT ARE TO BE LANDSCAPED A MINIMUM OF 30" OR AS DEEP AS NECESSARY TO ENSURE ALL STONE BASE / PAVEMENT MATERIAL IS REMOVED (WHICHEVER IS GREATER) AND BACKFILL WITH CLEAN / DRAINING SAND TO WITHIN 4" OF TOP OF CURB TO ENSURE PROPER SOIL FOR PLANT MATERIALS.
13. THE CONTRACTOR SHALL ENSURE THAT ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE NOT OVER-COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.
14. ALL CUT OR FILL SLOPES SHALL BE 4H:1V OR FLATTER UNLESS OTHERWISE NOTED.
15. ALL UN-SURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH GOVERNING SPECIFICATIONS UNTIL A HEALTHY STAND OF VEGETATION IS OBTAINED.
16. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL RE-GRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.

DRAINAGE NOTES

1. CONTRACTOR TO CONSTRUCT DRAINAGE STRUCTURES WITH USF GRATES, RIMS AND COVERS AS CALLED OUT OR APPROVED EQUAL. SHOP DRAWINGS ARE TO BE PROVIDED TO ENGINEER FOR APPROVAL PRIOR TO ANY CONSTRUCTION.
2. CONTRACTOR TO REFER TO FDOT DESIGN STANDARD (AND NOT LIMITED TO) INDEX'S 425-010, 425-001, 425-020, 425-021, 425-024, 425-052 & 425-053 FOR MANHOLE, INLET AND GRATE SPECIFICATIONS.
3. ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED WITH (4) SIDED BEARING HEAVY DUTY H-20 RATED TRAFFIC RIMS AND GRATES.
4. CONTRACTOR TO VERIFY ALL EXISTING UTILITY RINGS AND COVERS ON SITE ARE HEAVY DUTY TRAFFIC RATED. CONTRACTOR TO REPLACE DEFICIENT RINGS AND COVERS WITH HEAVY DUTY TRAFFIC RATED RINGS AND COVERS. CONTRACTOR TO ADJUST RIM ELEVATIONS OF ANY UTILITIES THAT CHANGE IN ELEVATION DURING CONSTRUCTION.
5. ALL CLEAN-OUT COVERS SHOULD BE RATED FOR HEAVY DUTY TRAFFIC.
6. SIDEWALKS AND CROSSWALKS SHALL NOT EXCEED 2% CROSS SLOPE NOR 5% LONGITUDINALLY. GRADES IN ACCESSIBLE PARKING SPACES SHALL NOT EXCEED 2% IN ANY DIRECTION. IN CASES OF SIDEWALK LANDINGS AT BUILDING ENTRANCES, GRADES SHALL NOT EXCEED 2% IN ANY DIRECTION. ACCESSIBLE CURB RAMPS SHALL NOT EXCEED 6' IN LENGTH AND 1:12 SLOPE. LANDINGS AT CHANGES IN DIRECTION SHALL BE MINIMUM 60"x60" AND SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.
7. ALL DRAINAGE PIPE JOINTS SHALL BE FILTER FABRIC WRAPPED PER FDOT INDEX #280. ALL DRAINAGE PIPE JOINTS NEED TO BE FILTER FABRIC WRAPPED REGARDLESS OF MATERIAL.
8. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
9. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE.
10. EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
11. PRECAST STRUCTURES MAY BE USED AT CONTRACTORS OPTION.
12. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
13. ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
14. ALL CATCH BASINS WITHIN PROPOSED TRAFFIC AREAS SHALL HAVE BICYCLE PROOF GRATES.
15. CONTRACTOR TO FLUSH AND VACUUM ENTIRE ON-SITE STORM WATER SYSTEM UPON COMPLETION OF PROPOSED WORK.
16. THE SELECTION OF STORM PIPE MATERIAL FOR THIS PROJECT IS AT THE DISCRETION OF THE DEVELOPER AND CONTRACTOR. EITHER REINFORCED CONCRETE PIPE (RCP) OR *HIGH PERFORMANCE HIGH-DENSITY POLYETHYLENE (UHMWPE) MAY BE UTILIZED, PROVIDED ALL INSTALLATIONS COMPLY WITH APPLICABLE CITY OF APOPKA STANDARDS AND SPECIFICATIONS.

* IF UHMWPE STORM PIPE IS UTILIZED, THE CONTRACTOR SHALL PERFORM A LASER ALIGNMENT (LINE AND GRADE) VERIFICATION OF THE INSTALLED PIPE PRIOR TO BACKFILLING

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40
HORIZONTAL
0 4 2 8
VERTICAL

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2026 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MACKENZIE CERJAN ON THE DATE ADJACENT TO THE SEAL. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

MACKENZIE CERJAN LICENSE No. 90545 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/26/2026

KHA PROJECT	147864004
DATE	03/24/2026
SCALE	AS SHOWN
DESIGNED BY	MRM
DRAWN BY	MRM
CHECKED BY	MRC

ROAD C EXTENSION

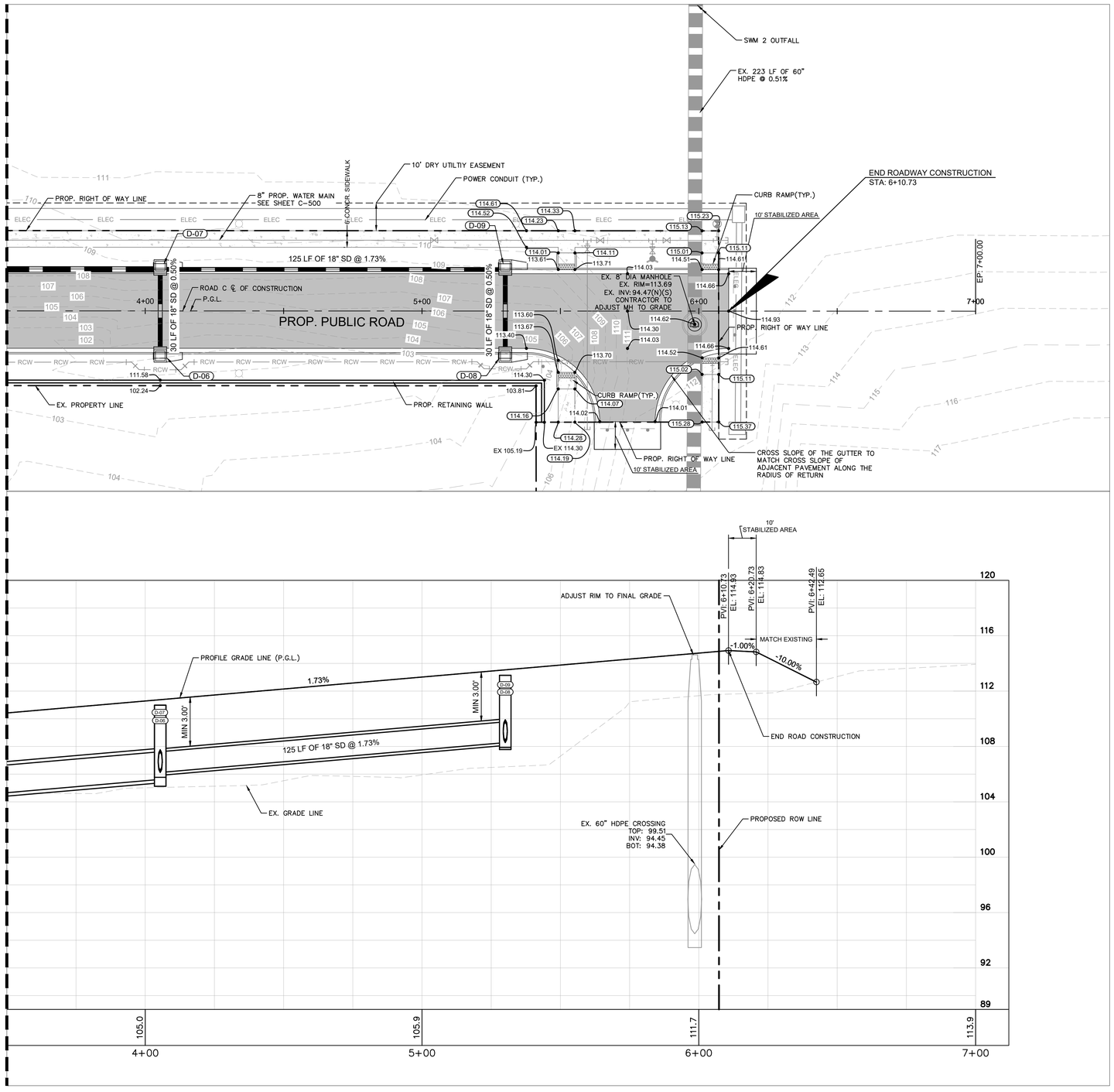
PREPARED FOR
KELLY PARK VB DEVELOPMENT LLC

CITY OF APOPKA FLORIDA

PLAN AND PROFILE

SHEET NUMBER
C-300

Plotted By:DeArmas, Moises Sheet Set:ROAD C EXTENSION Layout:C-300 PLAN AND PROFILE June 26, 2026 12:46:32pm K:\VRB_LDEV\147864000_Kelly Park, Apopka FL\CAD\Road C\CAD\PlanSheets\C-300 PLAN AND PROFILE.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



STRUCTURE TABLE				
STRUCTURE	DETAILS	INVERT	PIPE	TO
D-06	P5 RIM: 110.98	E. INV. EL. 106.27	18" SD @ 0.50%	D-07
D-07	P5 RIM: 110.98	N. INV. EL. 105.62 S. INV. EL. 106.12 W. INV. EL. 106.12	24" SD @ 1.73% 18" SD @ 1.73% 18" SD @ 0.50%	D-05 D-09 D-06
D-08	P5 RIM: 113.14	E. INV. EL. 108.43	18" SD @ 0.50%	D-09
D-09	P5 RIM: 113.14	N. INV. EL. 108.28 W. INV. EL. 108.28	18" SD @ 0.50% 18" SD @ 0.50%	D-07 D-08

NOTE: ALL STRUCTURES SHALL BE CONSTRUCTED WITH A MINIMUM 6-INCH SUMP BELOW THE LOWEST PIPE INVERT.

GRAPHIC SCALE IN FEET
0 10 20 40
HORIZONTAL
0 4 2 8
VERTICAL

NORTH

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MACKENZIE CERJAN ON THE DATE ADJACENT TO THE SEAL. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

MACKENZIE CERJAN LICENSE No. 90545 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/26/2026

KHA PROJECT 147864004
DATE 03/24/2026
SCALE AS SHOWN
DESIGNED BY MRM
DRAWN BY MRM
CHECKED BY MRC

ROAD C EXTENSION

PREPARED FOR
KELLY PARK VB DEVELOPMENT LLC

CITY OF APOPKA FLORIDA

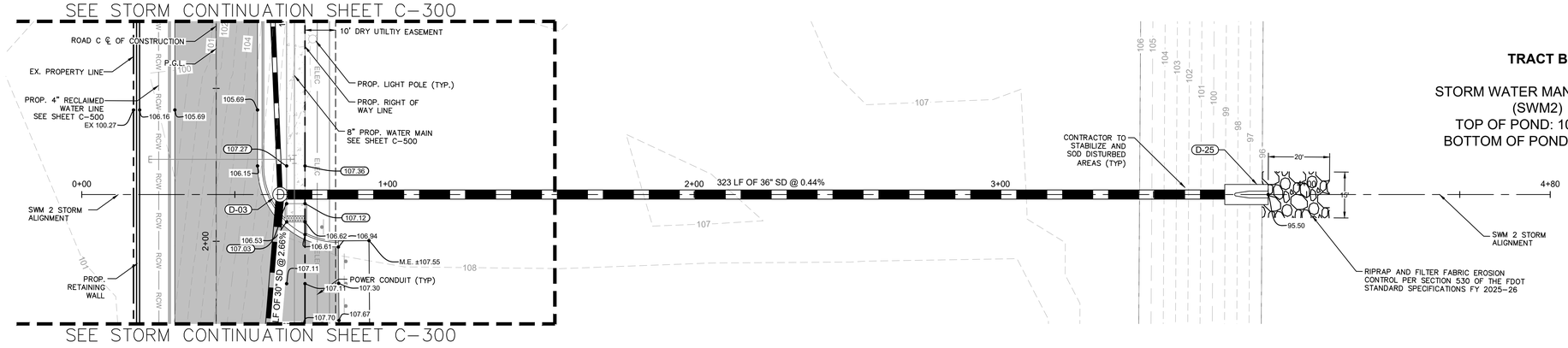
PLAN AND PROFILE

SHEET NUMBER
C-301

Plotted By:DeArmas, Moises Sheet Set:ROAD C EXTENSION Layout:C-301 PLAN AND PROFILE June 26, 2026 12:46:37pm K:\ORB_LDEV\147864004_Kelly Park, Apopka FL\CADD_Road C\CADD\PlanSheets\C-300 PLAN AND PROFILE.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

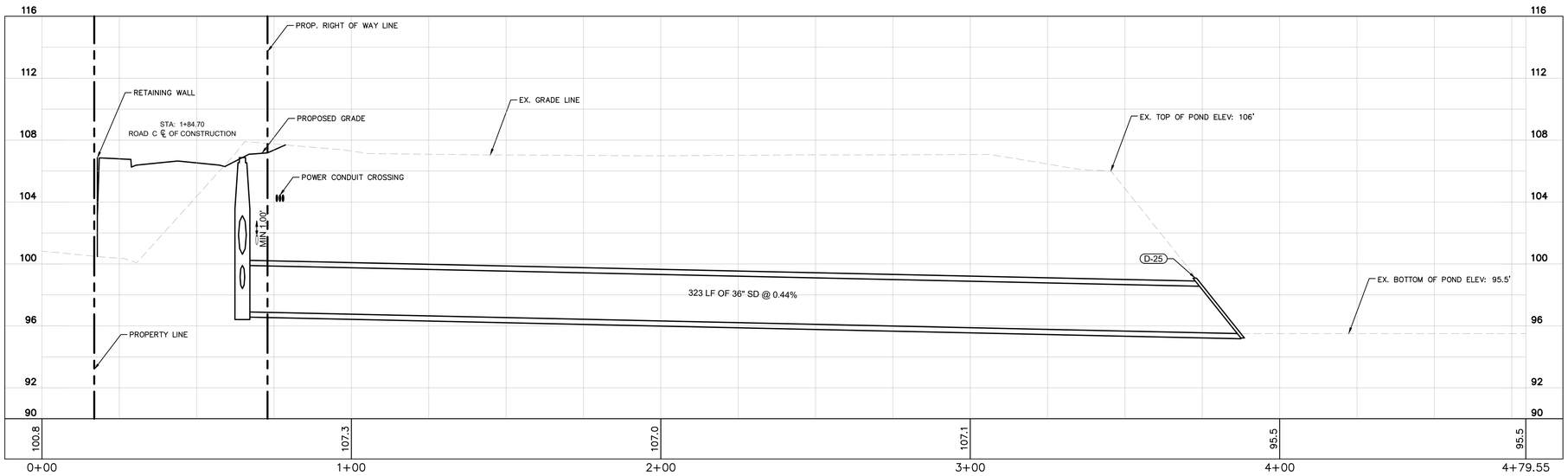
STRUCTURE TABLE				
STRUCTURE	DETAILS	INVERT	PIPE	TO
D-03	MH RIM: 106.87	N. INV. EL. 98.41 S. INV. EL. 100.62 E. INV. EL. 96.91	18" SD @ 0.50% 30" SD @ 2.66% 36" SD @ 0.44%	D-02 D-05 D-25
D-25	MES	W. INV. EL. 95.50	36" SD @ 0.44%	D-03

NOTE: ALL STRUCTURES SHALL BE CONSTRUCTED WITH A MINIMUM 6-INCH SUMP BELOW THE LOWEST PIPE INVERT.



TRACT B

STORM WATER MANAGEMENT (SWM2)
TOP OF POND: 106.00 FT
BOTTOM OF POND: 95.50 FT



GRAPHIC SCALE IN FEET
0 10 20 40
HORIZONTAL
0 4 2 8
VERTICAL

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MACKENZIE CERJAN ON THE DATE ADJACENT TO THE SEAL. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

MACKENZIE CERJAN LICENSE No. 90545 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/26/2026

Kimley»Horn

© 2026 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

No.	REVISIONS	DATE	BY

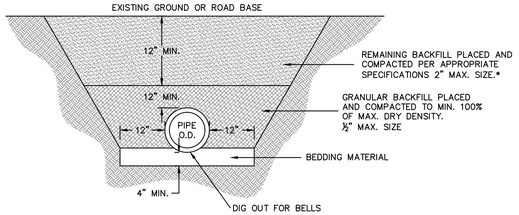
KHA PROJECT 147864004
DATE 03/24/2026
SCALE AS SHOWN
DESIGNED BY MRM
DRAWN BY MRM
CHECKED BY MRC

PLAN AND PROFILE

ROAD C EXTENSION
PREPARED FOR
KELLY PARK VB DEVELOPMENT LLC
CITY OF APOPKA FLORIDA

SHEET NUMBER
C-302

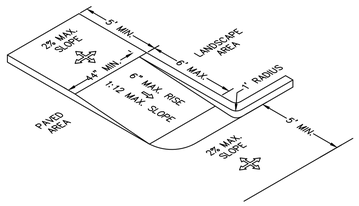
Plotted By:DeArmas Moises Sheet Set:ROAD C EXTENSION Layout:C-302 PLAN AND PROFILE June 26, 2026 12:46:40pm K:\VRB_LDEV\147864004_Kelly Park, Apopka FL\CAD_Road C\CAD\PlanSheets\C-300 PLAN AND PROFILE.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

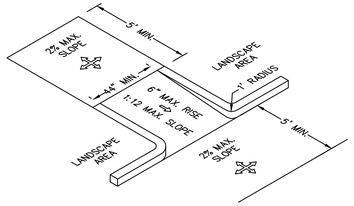


NOTES:
1. BEDDING SHALL CONSIST OF IN-SITU GRANULAR MATERIAL (2" MAX SIZE). UNSUITABLE IN-SITU MATERIALS SUCH AS MUCK, DEBRIS AND LARGER ROCK SHALL BE REMOVED.
2. THE PIPE SHALL BE FULLY SUPPORTED FOR ITS ENTIRE LENGTH WITH APPROPRIATE COMPACTION UNDER THE PIPE HAUNCHES.
3. THE PIPE SHALL BE PLACED IN A DRY TRENCH.
4. BACKFILL SHALL BE FREE OF UNSUITABLE MATERIAL SUCH AS LARGER ROCK, MUCK AND DEBRIS.
5. ALL WORK SHALL CONFORM TO STATE OF FLORIDA TRENCH SAFETY ACT.

* COMPACT TO 98%OF AASHTO T-180 MAXIMUM DRY DENSITY UNDER EXISTING AND PROPOSED PAVEMENT AREAS. COMPACT TO 95% ON ALL OTHER AREAS UNLESS OTHERWISE NOTED..

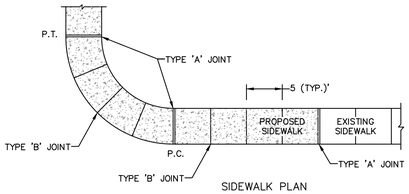
TRENCH WITHOUT EXFILTRATION
N.T.S



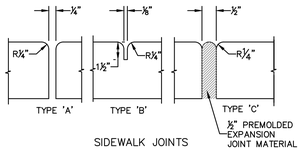


1. ALL ACCESSIBLE COMPONENTS CONSTRUCTED AS PART OF THESE PLANS SHALL COMPLY WITH CHAPTER 11 OF THE FLORIDA BUILDING CODE.
2. ACCESSIBLE ROUTE TO ACCESSIBLE SPACES, BUILDING ENTRANCES, AND PUBLIC STREETS SHALL NOT EXCEED 5% RUNNING SLOPE AND 2% CROSS SLOPE.
3. UNLESS OTHERWISE SHOWN ON THE PLANS, THE MINIMUM CLEAR ROUTE SHALL BE 36" WIDE WITH A 60" X 60" PASSING SPACE EVERY 200 FEET.
4. ACCESSIBLE ROUTES THROUGH PLANTERS SHALL BE LEVEL WITH THE SURROUNDING PAVEMENT OR PROVIDE CURB RAMPS AT EACH END WITH A MINIMUM 48" LEVEL LANDING IN BETWEEN.
5. THE ACCESSIBLE ROUTE IN FRONT OF PULL - IN PARKING SHALL BE A MINIMUM OF 44" WIDE AND NOT REDUCED BY VEHICLE OVERHANGS, CURBING, SIGN POSTS, OR OTHER OBSTRUCTIONS.
6. SPECIAL RAMP RULES APPLY FOR ANY RISE GREATER THAN 6" INCLUDING BUT NOT LIMITED TO RESTRICTION ON SLOPE, TOTAL RISE BETWEEN LANDINGS, AND USE OF HANDRAILS, PER F.B.C 11-4.8.
7. PUBLIC SIDEWALK CURB RAMPS CONSTRUCTED WITHIN A PUBLIC RIGHT-OF -WAY, IN ABSENCE OF LOCAL ROADWAY GUIDELINES, SHALL MEET THE REQUIREMENTS OF F.D.O.T INDEX 304.
8. WHEN ACCESSIBLE PARKING ABUTS CURB OR EDGE OF PAVEMENT, PLEASE REFER TO DETAIL FOR STRIPING COLOR, STALL DIMENSIONS AND SLOPE.
9. CHANGE IN LEVEL ALONG ACCESSIBLE ROUTE IS NOT TO EXCEED 1/4" WITHOUT A RAMP PER SECTION 11-4.3.8.
10. ALL HANDICAPPED PARKING SPACES SHALL BE SIGNED AND MARKED IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS INDEX 17346.

ACCESSIBLE RAMPS
N.T.S

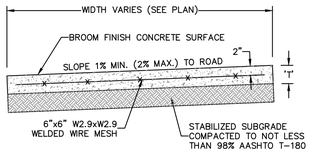


SIDEWALK PLAN



SIDEWALK JOINTS

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

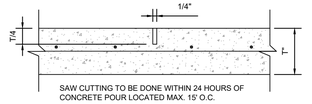


STANDARD CROSS SECTION

TABLE OF SIDEWALK THICKNESS	
LOCATION	'T'
PEDESTRIAN ONLY AREAS	4"
DRIVEWAYS AND OTHER TRAFFIC AREAS	6"

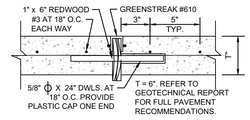
NOTE:
ALL SIDEWALK STREET CROSSINGS MUST MEET THE REQUIREMENTS OF THE AMERICAN DISABILITIES ACT (ADA) COMPLIANCE GUIDE. TRANSITIONS FROM RAMPS TO WALKS, GUTTERS, OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES.

CONCRETE SIDEWALK
N.T.S



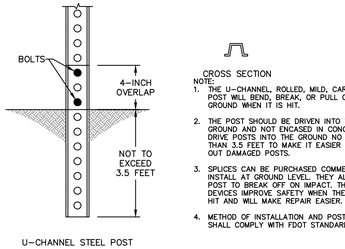
SEE NOTE 3, SHEET C-200

CONTROL JOINT DETAIL
N.T.S



SEE NOTES 4 & 5, SHEET C-200

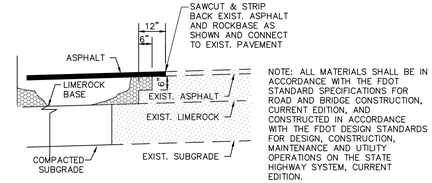
EXPANSION JOINT DETAIL
N.T.S



U-CHANNEL STEEL POST

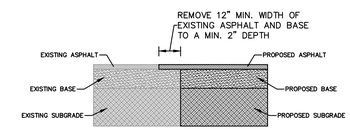
CROSS SECTION
NOTE:
1. THE U-CHANNEL, ROLLED, MILD, CARBON STEEL POST WILL BEND, BREAK, OR PULL OUT OF THE GROUND WHEN IT IS HIT.
2. THE POST SHOULD BE DRIVEN INTO THE GROUND AND NOT ENCASED IN CONCRETE. DRIVE POSTS INTO THE GROUND NO MORE THAN 3.5 FEET TO MAKE IT EASIER TO PULL OUT DAMAGED POSTS.
3. SPLICES CAN BE PURCHASED COMMERCIALLY TO INSTALL AT GROUND LEVEL. THEY ALLOW THE POST TO BREAK OFF ON IMPACT. THESE DEVICES IMPROVE SAFETY WHEN THE POST IS HIT AND WILL MAKE REPAIR EASIER.
4. METHOD OF INSTALLATION AND POST MATERIAL SHALL COMPLY WITH FDOT STANDARDS.

SIGN POST
N.T.S



NOTE: ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND CONSTRUCTED IN ACCORDANCE WITH THE FDOT DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM, CURRENT EDITION.

CONNECTION TO EXISTING PAVEMENT
scale: N.T.S. ref. C7.1



SAW-CUT
N.T.S

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

MACKENZIE CERJAN LICENSE No. 90545 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/26/2026

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MACKENZIE CERJAN ON THE DATE ADJACENT TO THE SEAL. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

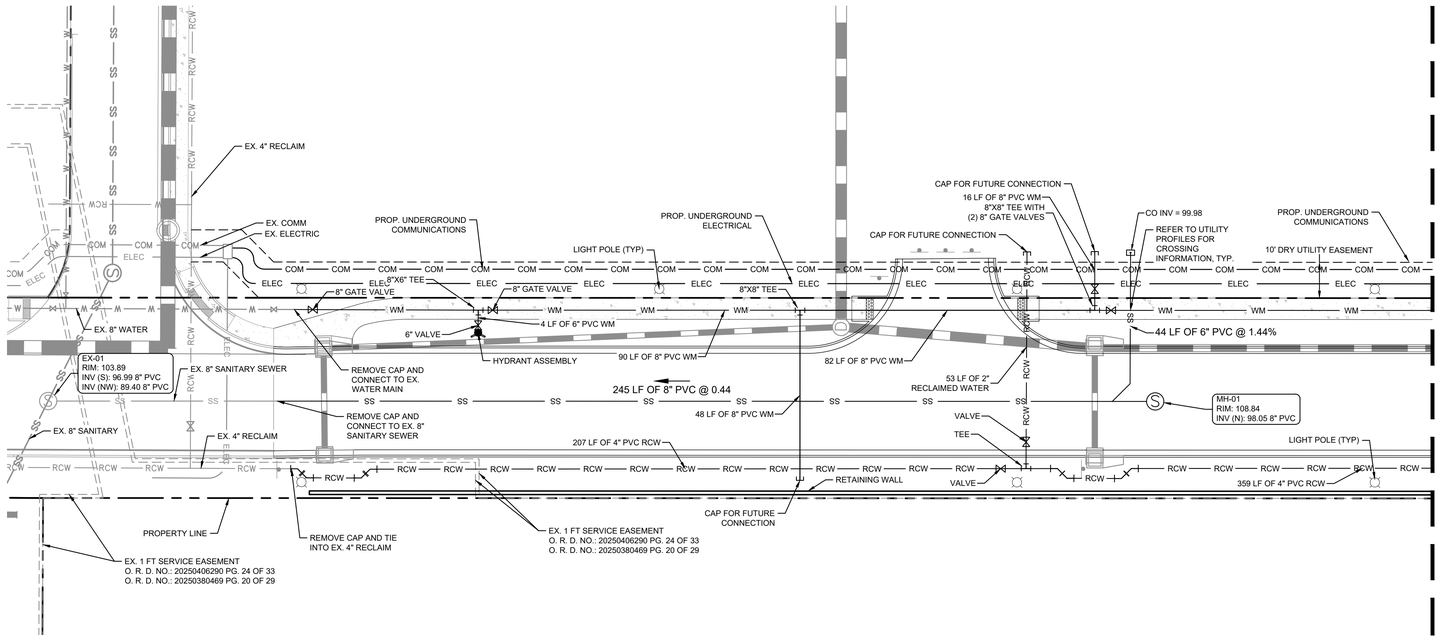
KHA PROJECT	147864004
DATE	03/24/2026
SCALE	AS SHOWN
DESIGNED BY	MRM
DRAWN BY	MRM
CHECKED BY	MRC

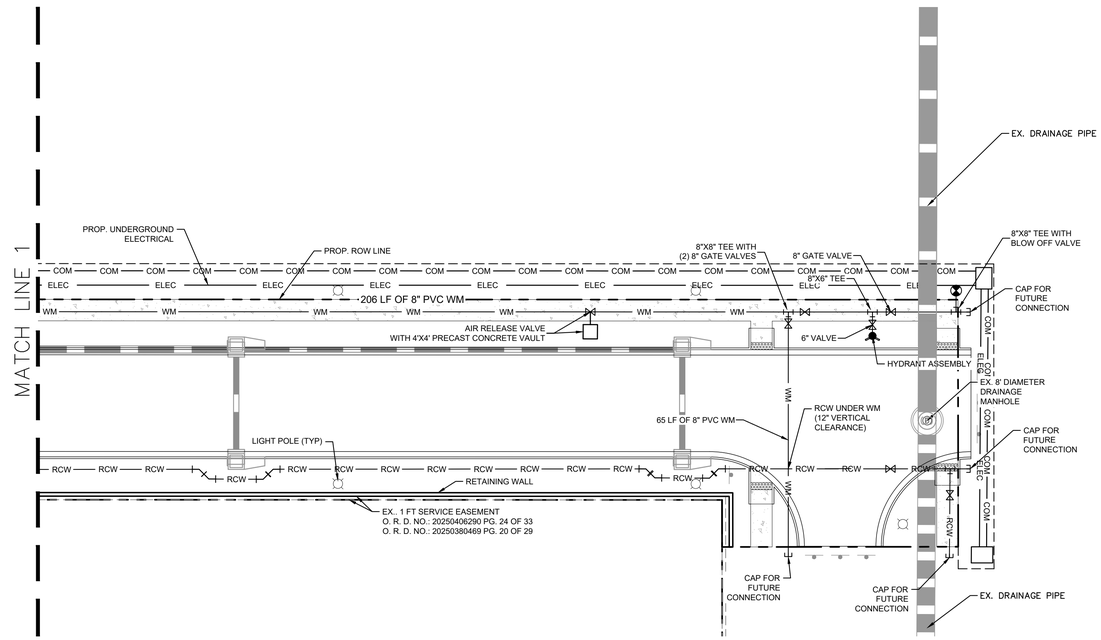
SITE DETAILS

ROAD C EXTENSION
PREPARED FOR
KELLY PARK VB DEVELOPMENT LLC
CITY OF APOPKA FLORIDA

SHEET NUMBER
C-370

Plotted By:DeArmas, Moises Sheet Set:ROAD C EXTENSION Layout:C-370 SITE DETAILS June 26, 2026 12:46:50pm K:\VRB_LDEV\147864000_Kelly Park, Apopka FL\CADD_Road C\CADD\PlanSheets\C-370 SITE DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc





GRAPHIC SCALE IN FEET
0 10 20 40

LEGEND

- PROPOSED SANITARY SEWER FORCE MAIN
- PROPOSED COMMUNICATION LINE
- WATER MAIN
- PROPOSED RECLAIMED WATER LINE
- SANITARY SEWER LINE
- PROPOSED ELECTRIC CONDUIT
- PROPOSED ELECTRIC LINE
- EX.ISTING WATER MAIN
- EX.ISTING SANITARY SEWER MAIN
- EX.ISTING ELECTRIC LINE
- EX.ISTING RECLAIMED WATER LINE
- EX.ISTING SANITARY SEWER FORCE MAIN
- PROPOSED DRAINAGE (UNLESS CALLED OTHERWISE)
- PROPOSED TEE
- PROPOSED PIPE BEND
- PROPOSED GATE VALVE
- PROPOSED REDUCER
- PROPOSED SANITARY MANHOLE
- PROPOSED LIGHT POLE

UTILITY NOTES

1. ALL FILL MATERIAL IS TO BE IN PLACE AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
2. CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EX.ISTING LINE.
3. SANITARY SEWER PIPE SHALL BE AS FOLLOWS:
   8" PVC SDR35 PER ASTM D 3034, FOR PIPES LESS THAT 12' DEEP
   8" PVC SDR26 PER ASTM D 3034, FOR PIPES MORE THAN 12' DEEP
   6" PVC SCHEDULE 40
   DUCTILE IRON PIPE PER AWWA C150
4. WATER LINES SHALL BE AS FOLLOWS:
   6" AND LARGER, PVC C-900 PER ASTM D 2241 CLASS 200 UNDER CITY ROADS, OTHERWISE CLASS 150
   6" AND LARGER DUCTILE IRON PIPE PER AWWA C150
   SMALLER THAN 6" EITHER COPPER TUBE TYPE "L" (SOFT) PER ANSI B16.22 OR PVC, 200 P.S.I., PER ASTM D1784 AND D2241 (ADS POLYFLEX. OR APPROVED EQUAL).
5. MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
6. ALL WATER JOINTS ARE TO BE MECHANICAL JOINTS WITH THRUST BLOCKING AS CALLED OUT IN SPECIFICATIONS.
7. ALL UTILITIES SHOULD BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE).
8. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3'-0" COVER ON ALL WATERLINES.
9. IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATER LINES, SANITARY LINES, STORM LINES AND GAS LINES (EX.ISTING AND PROPOSED), THE SANITARY LINE SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 10 FEET ON BOTH SIDES OF CROSSING, THE WATER LINE SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE THRUST BLOCKING AS REQUIRED TO PROVIDE A MINIMUM OF 18" CLEARANCE, MEETING REQUIREMENTS OF ANSI A21.10 OR ANSI 21.11 (AWWA C-151) (CLASS 50).
10. UNDERGROUND LINES SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
11. TOPS OF EX.ISTING MANHOLES SHALL BE RAISED AS NECESSARY TO BE FLUSH WITH PROPOSED PAVEMENT ELEVATIONS WITHIN PAVED AREAS, AND TO BE ONE FOOT ABOVE FINISHED GROUND ELEVATIONS WITH WATER TIGHT LIDS WITHIN LANDSCAPED AREAS.
12. ALL CONCRETE FOR ENCASEMENTS SHALL HAVE A MINIMUM 28 DAY COMPRESSION STRENGTH AT 3000 P.S.I.
13. EX.ISTING UTILITIES SHALL BE VERIFIED IN FIELD PRIOR TO INSTALLATION OF ANY NEW LINES.
14. REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
15. CONTRACTOR IS RESPONSIBLE FOR COMPLYING TO THE SPECIFICATIONS OF THE LOCAL AUTHORITIES (CITY OF APOPKA) WITH REGARDS TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
16. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EX.ISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EX.ACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EX.CAVATION TO REQUEST EX.ACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EX.ISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
17. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES. THIS AND THE FINAL CONNECTIONS OF THE SERVICE SHALL BE COMPLETED 30 DAYS PRIOR TO STORE POSSESSION.
18. CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
19. REFER TO DUKE ENERGY PLANS FOR SITE LIGHTING ELECTRICAL PLAN.
20. UNDERGROUND UTILITY LINES SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EX.ISTING WATER MAINS, FORCE MAINS, SANITARY SEWER AND STORM MAINS AND MAINTAIN MINIMUM CLEARANCES BETWEEN WATER MAINS AND OTHER UTILITIES AT ALL POINTS ALONG THEIR LENGTH AS REQUIRED IN THE PLANS, DETAILS AND SPECIFICATIONS.
22. CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES. THIS AND THE FINAL CONNECTIONS OF THE SERVICE SHALL BE COMPLETED 30 DAYS PRIOR TO STORE POSSESSION.
23. ALL UTILITY MAIN LENGTHS SHOWN ARE APPROXIMATE.
24. UTILITY CROSSING PIPE DEFLECTIONS PER C.O.A FIG. 117.
25. ALL WATER VALVE BOXES, COVERS, LIDS, AND FRAMES LOCATED WITHIN SIDEWALKS OR PEDESTRIAN ACCESS ROUTES SHALL BE INSTALLED FLUSH WITH THE FINISHED SIDEWALK SURFACE AND SHALL BE MAINTAINED TO REMAIN FLUSH AT ALL TIMES. NO PORTION OF THE COVER OR FRAME SHALL CREATE A VERTICAL CHANGE IN LEVEL EX.CEEDING ¼ INCH IN ACCORDANCE WITH ADA STANDARDS FOR ACCESSIBLE DESIGN. INSTALLATION SHALL NOT OBSTRUCT THE PEDESTRIAN CLEAR WIDTH OR CREATE A TRIPPING HAZARD.
26. FINAL LIGHT POLE LOCATION SUBJECT TO PHOTOMETRIC DESIGN BY DUKE ENERGY

FOLLOW CURRENT NFPA AND FLORIDA FIRE PREVENTION CODE 7TH EDITION CONCERNING FIRE AND LIFE SAFETY.

CITY OF APOPKA (C.O.A.) UTILITY NOTES

1. THE DEVELOPER'S CONTRACTOR SHALL ACCOMPLISH ALL WATER MAIN & SERVICE WORK THROUGH THE POINT OF CONNECTION/FIRE SERVICE CONTROL VALVE & WATER METERS. C.O.A. WILL OWN & OPERATE UP TO & INCLUDING THE POINT OF CONNECTION/FIRE SERVICE CONTROL VALVE & METERS ONLY. THE REQUIRED WORK SHALL BE PERFORMED PER CURRENT C.O.A. MATERIAL SPECIFICATION & WATER DETAIL SHEET UNDER C.O.A. INSPECTION. TO SCHEDULE A C.O.A. INSPECTION, CALL 407-703-1718.
2. THE DEVELOPER/CONTRACTOR SHALL FILED VERIFY THE VERTICAL & HORIZONTAL LOCATION OF EX.ISTING C.O.A. WATER FACILITIES BEFORE COMMENCEMENT OF CONSTRUCTION.
3. THE DEVELOPER/CUSTOMER IS RESPONSIBLE FOR ALL REQUIRED PERMITS.

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2026 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MACKENZIE CERJAN ON THE DATE ADJACENT TO THE SEAL. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

MACKENZIE CERJAN LICENSE No. 90545 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/26/2026

KHA PROJECT 147864004
DATE 03/24/2026
SCALE AS SHOWN
DESIGNED BY MRM
DRAWN BY MRM
CHECKED BY MRC

UTILITY PLAN

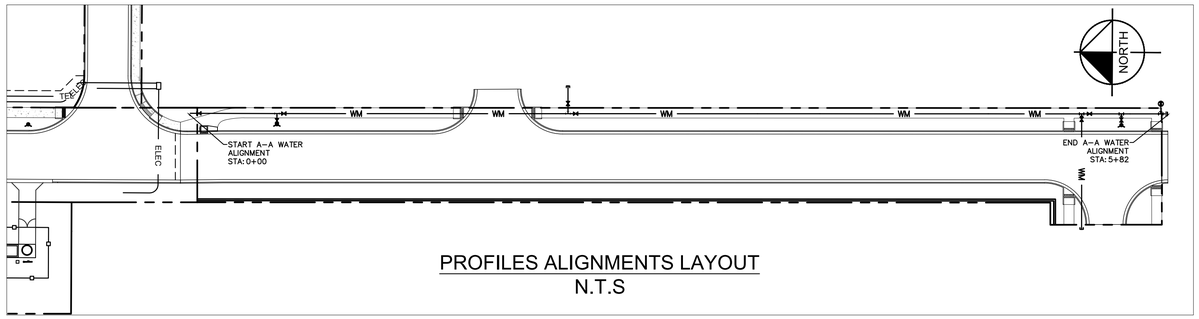
ROAD C EXTENSION

PREPARED FOR
KELLY PARK VB DEVELOPMENT LLC

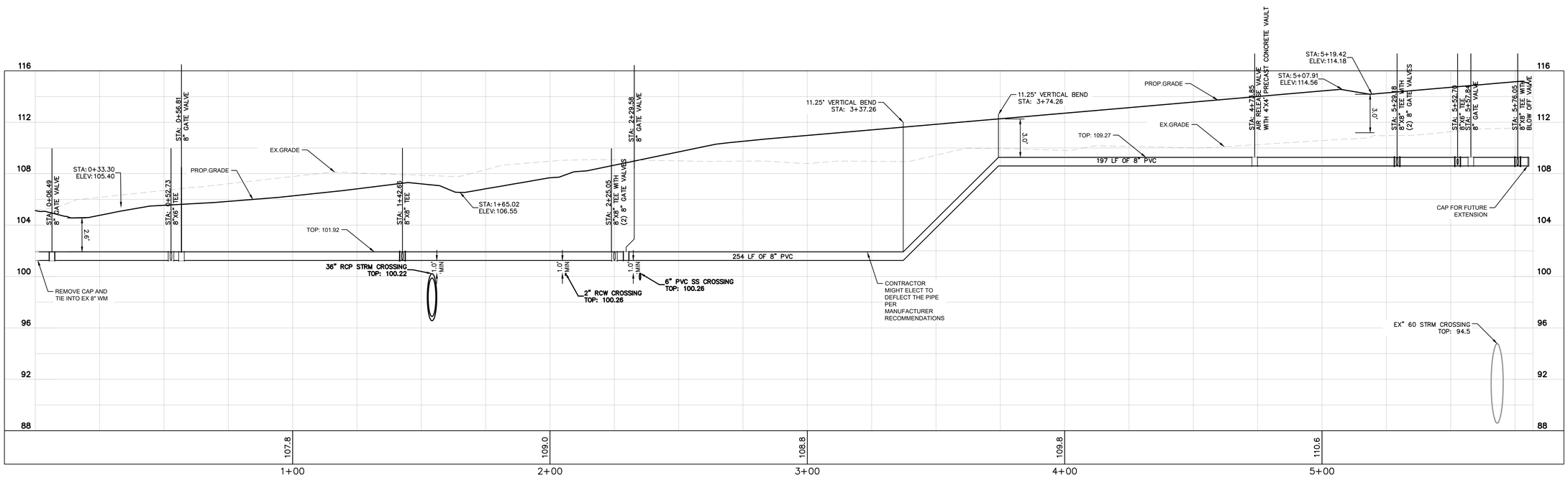
CITY OF APOPKA FLORIDA

SHEET NUMBER
C-500

Plotted By:DeArmas, Moises Sheet Set:ROAD C EXTENSION Layout:C-500 UTILITY PLAN June 26, 2026 12:48:23pm K:\VRB_LDE\V\147864000_Kelly Park-Apopka FL\CADD\Road C\CADD\PlanSheets\C-500 UTILITY PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



PROFILES ALIGNMENTS LAYOUT
N.T.S



A-A WATER MAIN PROFILE

GRAPHIC SCALE IN FEET
0 10 20 40
HORIZONTAL

0 2 4 8
VERTICAL

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MACKENZIE CERJAN ON THE DATE ADJACENT TO THE SEAL. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

MACKENZIE CERJAN LICENSE No. 90545 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/26/2026

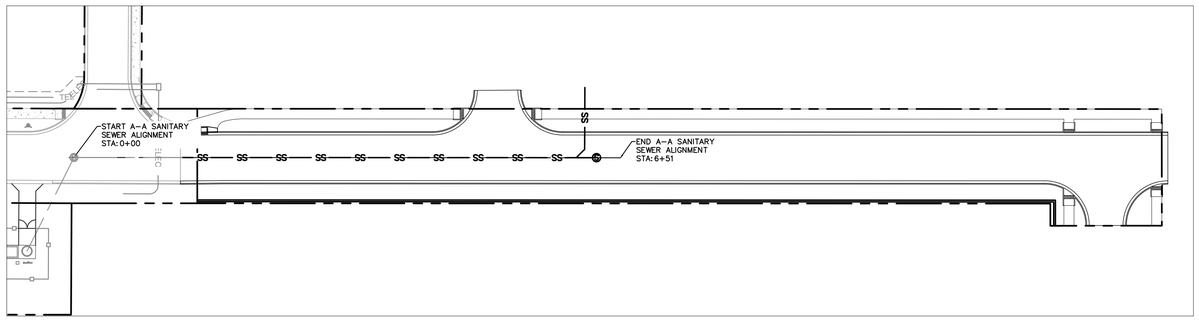
KHA PROJECT	147864004
DATE	03/24/2026
SCALE	AS SHOWN
DESIGNED BY	MRM
DRAWN BY	MRM
CHECKED BY	MRC

UTILITY PROFILES

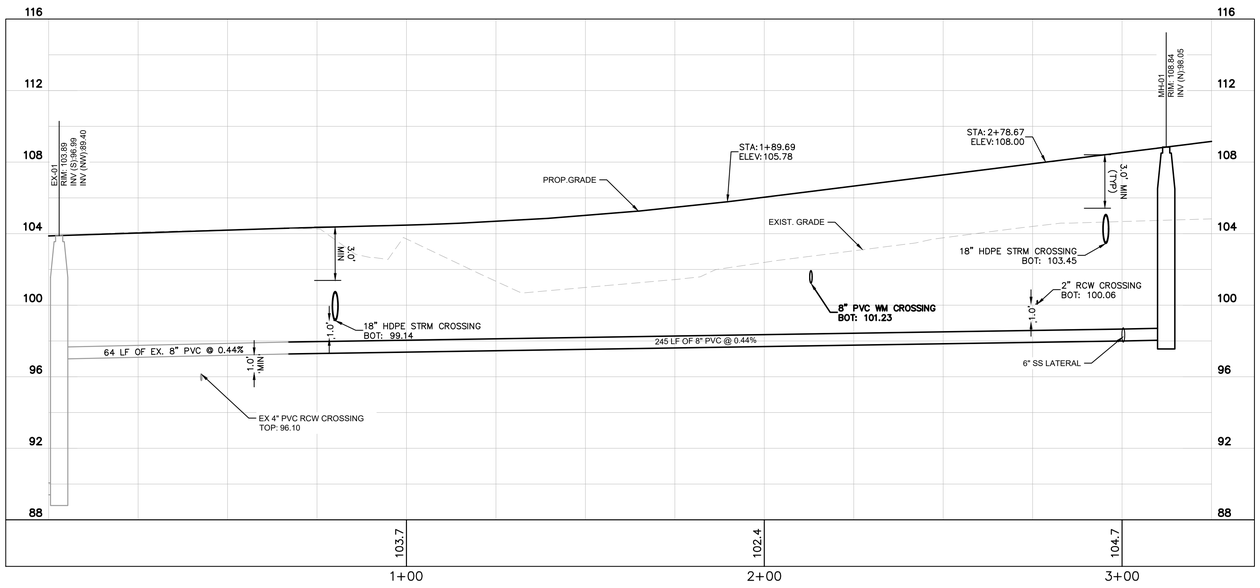
ROAD C EXTENSION
PREPARED FOR
KELLY PARK VB DEVELOPMENT LLC
CITY OF APOPKA FLORIDA

SHEET NUMBER
C-520

Plotted By:DeArmas Moises Sheet Set:ROAD C EXTENSION Layout:C-520 UTILITY PROFILES June 26, 2026 12:48:42pm K:\ORB_LDEV\147864004_Kelly Park Apopka FL\CADD\Road C\CAD\PlanSheets\C-520 UTILITY PROFILES.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc



PROFILES ALIGNMENTS LAYOUT
N.T.S



A-A SANITARY MAIN PROFILE

GRAPHIC SCALE IN FEET
0 10 20 40
HORIZONTAL

0 2 4 8
VERTICAL

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MACKENZIE CERJAN ON THE DATE ADJACENT TO THE SEAL. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2026 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

MACKENZIE CERJAN LICENSE No. 90545 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/26/2026

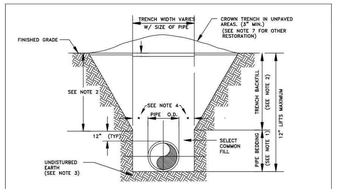
KHA PROJECT	147864004
DATE	03/24/2026
SCALE	AS SHOWN
DESIGNED BY	MRM
DRAWN BY	MRM
CHECKED BY	MRC

UTILITY PROFILES

ROAD C EXTENSION
PREPARED FOR
KELLY PARK VB DEVELOPMENT LLC
CITY OF APOPKA FLORIDA

SHEET NUMBER
C-521

Plotted By:DeArmas, Moises Sheet Set:ROAD C EXTENSION Layout:C-521 UTILITY PROFILES June 26, 2026 12:49:00pm K:\ORB_LDEV\147864000_Kelly Park, Apopka FL\CADD_Road C\CAD\PlanSheets\C-521 UTILITY PROFILES.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTES:

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

TYPE "B" BEDDING AND OPEN-CUT DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 100

PROPOSED UTILITY	HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS									
	POTABLE WATER		RECLAIMED WATER**		SANITARY SEWER FORCE MAIN		SANITARY SEWER GRAVITY		STORM SEWER	
	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.	HORIZ.	VERT.
POTABLE WATER	–	–	3'	12"	6'	12"	6'	12"(NOTE 4)(*)(NOTE 5)	3'	6"
RECLAIMED WATER	3'	12"	–	–	3'	12"	3'	12"	–	–
SANITARY SEWER FORCE MAIN	6'	12"	3'	12"	–	–	–	–	–	–
SANITARY SEWER GRAVITY MAIN	6'	6"(NOTE 4) 12" MIN.	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 PROPOSED PROPOSED UTILITY LINES AND EXISTING OR PROPOSED UTILITY LINES.
2. (*): FOR THE PURPOSE OF THIS TABLE, RECLAIMED WATER SHALL MEAN UNRESTRICTED PUBLIC ACCESS REUSE WATER AS DEFINED BY F.A.C. 17-610. OTHER TYPES OF RECLAIMED WATER ARE CONSIDERED RAW SEWAGE AND SEPARATIONS LISTED FOR SANITARY SEWER SHALL APPLY.
3. ALL SEPARATION DISTANCES ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE UNLESS OTHERWISE SPECIFIED. CRITERION PRODUCING GREATER CLEARANCE SHALL BE USED.

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

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

HORIZONTAL & VERTICAL SEPARATION REQUIREMENTS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 104

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

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

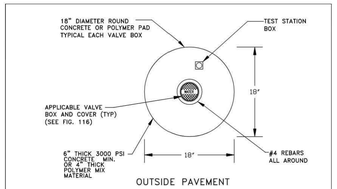
NOTES:

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

   TYPE OF PIPE:_____ PVC
   WORKING PRESSURE:_150__P.S.I.** ** FM = 100 P.S.I. /
   SOIL DESIGNATION:SM/SW/SP SILT WM OR RWM = 150 P.S.I.
   LAYING CONDITIONS:_____
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)

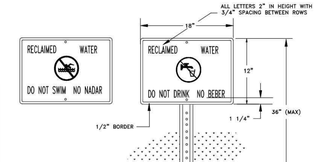
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 105



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

VALVE BOX

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 109

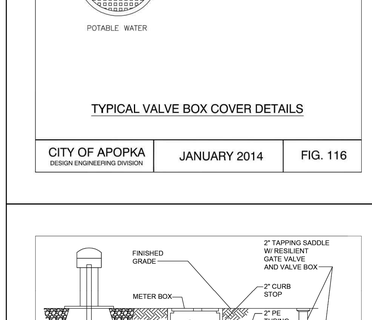


NOTES:

1. HEIGHT OF SIGN WILL DEPEND ON LOCATION AND SURROUNDING LANDSCAPE PLANT TYPES. IN ALL CASES, THE SIGN SHALL BE VISIBLE TO THE PUBLIC.
2. BACKGROUND SHALL BE WHITE. LETTERS AND FIGURES SHALL BE BLACK. PROHIBITIVE SYMBOL SHALL BE RED.
3. ENGINEERING GRADE REFLECTIVE MATERIALS SHALL BE USED.
4. POST SHALL BE U CHANNEL 12 FT. 2 LB. NOT ROLLED HIGH TENSILE RAIL OR BILLET STEEL, NOT DIP GALVANIZED PER ASTM A-123.
5. MOUNTING HARDWARE SHALL BE STAINLESS STEEL.
6. SIGNS SHALL BE PLACED BY THE CONTRACTOR IN ACCORDANCE WITH THE CITY APPROVED ENGINEERING PLANS AND/OR AS APPROVED BY PUBLIC SERVICES DEPARTMENT.

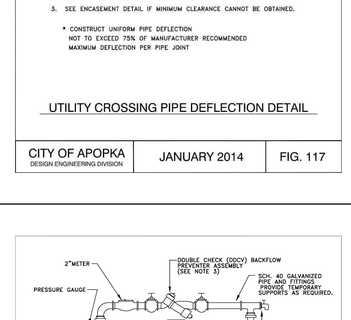
RECLAIMED WATER ADVISORY SIGN

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 115



TYPICAL VALVE BOX COVER DETAILS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 116



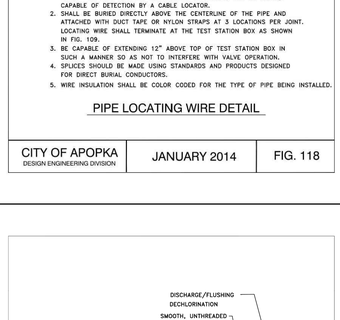
NOTES:

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

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

UTILITY CROSSING PIPE DEFLECTION DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 117

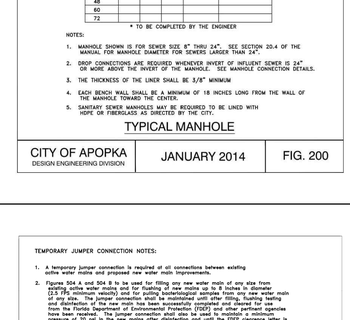


NOTES:

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

PIPE LOCATING WIRE DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 118



FORCE MAIN MANHOLE LINER

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

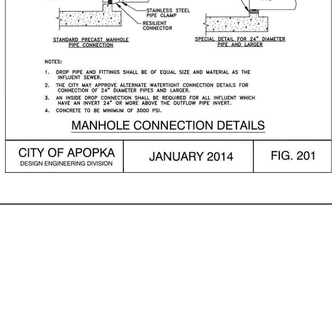
* TO BE COMPLETED BY THE ENGINEER

NOTES:

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

TYPICAL MANHOLE

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 200



NOTES:

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

MANHOLE CONNECTION DETAILS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 201

BLOW OFF VALVE DETAIL (AUTOMATIC)

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 403 A

NOTE:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS, ASSEMBLY, AND THE INSTALLATION OF THE DEVICE.
2. SEE FIGURE 504C FOR PROCEDURES.
3. DDCV IS MINIMUM PROTECTION REQUIRED. A RPZ DEVICE MAY BE REQUIRED DEPENDING ON PROJECT. PROVIDE COPY OF LATEST CERTIFICATION TEST RESULTS.

TEMPORARY JUMPER CONNECTION

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 504 A

NOTE:

1. SEE FIGURE 504C FOR PROCEDURES.

TEMPORARY JUMPER CONNECTION FROM FIRE HYDRANT

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 504 B

TEMPORARY JUMPER CONNECTION NOTES:

1. A temporary jumper connection is required at all connections between existing active water mains and proposed new water main improvements.
2. Figures 504 A and 504 B to be used for tieing any new water main of any size from existing active water mains and for flushing of new mains up to 8 inches in diameter (2.5 FPS minimum velocity) and for pulling bacteriological samples from any new water main of any size. The jumper connection shall be maintained until after tieing, flushing testing and sampling of the new main is completed and approved by the City and any and all from the Florida Department of Environmental Protection (FDEP) and other pertinent agencies have been received. The jumper connection shall also be used to maintain a minimum pressure of 35 psi in the new water main during testing and in the event clearance letter is delayed. Thrust blocking and/or restraints shall be provided temporarily as required. Pipe and fittings used for connecting the new pipe to the existing pipe shall be disinfected prior to installation in accordance with AWWA C651, 2005 edition. The tapping sleeve and the exterior of the main to be tapped shall be disinfected by spraying or swabbing per section 5 of AWWA C651-05.
3. Flushing of 10 inches in diameter and larger water mains may be done through the tie-in valve provided the following procedures are followed during flushing operations:
   A. The tie-in valves shall be operated and pressure tested in the presence of the City engineer to verify water tightness prior to tie-in. Valves which are not water tight shall be replaced with a new valve installed immediately adjacent to the leaking valve.
   B. The temporary jumper connection shall be constructed as detailed. The jumper connection shall be used to fill the new water main and for providing water for bacteriological sampling of the new main as required by the FDEP permit.
   * Flushing shall not be attempted during peak demand hours of the existing water mains.
   * All downstream valves in the system must be open prior to opening the tie-in valve.
   * Provide for and monitor the pressure in the tie-in point. The pressure in the existing main must not drop below 35 psi.
   * The tie-in valve shall be opened a few turns only, ensuring a pressure drop across the valve is greater than 10 psi.
   C. The tie-in valve shall be locked closed by the City personel until flushing begins.
   D. The tie-in valve shall be opened only for flushing of the new main. The procedure shall be directed by the City and observed by the engineer.
   E. After flushing, the tie-in valve shall be closed and locked in the closed position by the City personel.
4. The contractor shall provide documentation demonstrating that the double check backflow prevention device has been tested and is in good working order at the time of installation.
5. Except as required to flush lines of greater than 8 inches in diameter, the tie-in valve shall remain closed and shall be locked in the closed position by the City. The tie-in valve shall remain locked closed until the new system has been cleared for use by FDEP and all other pertinent agencies.
6. Upon receipt of clearance for use from FDEP and all other pertinent agencies, the contractor shall remove the temporary jumper connection. The corporation stops are to be closed and plugged with 2 inch brass plugs.
7. All installation and maintenance of the temporary jumper connection and associated backflow prevention device, fittings, valve, etc. shall be the responsibility of the contractor.

PROCEDURES FOR TEMPORARY JUMPER CONNECTION

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 504 C

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

No.	REVISIONS	DATE	BY

Kimley»Horn

© 2026 KIMLEY-HORN AND ASSOCIATES, INC.

445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MACKENZIE CERJAN ON THE DATE ADJACENT TO THE SEAL. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

MACKENZIE CERJAN LICENSE No. 90545 STATE OF FLORIDA PROFESSIONAL ENGINEER
6/26/2026

KHA PROJECT	147864004
DATE	03/24/2026
SCALE	AS SHOWN
DESIGNED BY	MRM
DRAWN BY	MRM
CHECKED BY	MRC

ROAD C EXTENSION

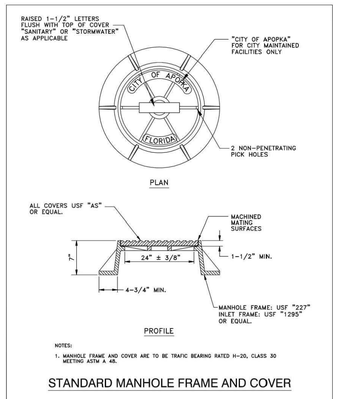
PREPARED FOR
KELLY PARK VB DEVELOPMENT LLC

CITY OF APOPKA FLORIDA

UTILITY DETAILS

SHEET NUMBER
C-550

Plotted By:DeArmas, Moises Sheet Set:ROAD C EXTENSION Layout:C-550 UTILITY DETAILS June 26, 2026 12:49:41pm K:\ORL_LDEV\147864004_Kelly Park, Apopka FL\CADD_Road C\CADD\PlanSheets\C-550 UTILITY DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

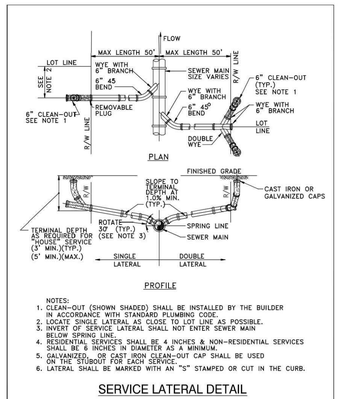


NOTES:

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

STANDARD MANHOLE FRAME AND COVER

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 202

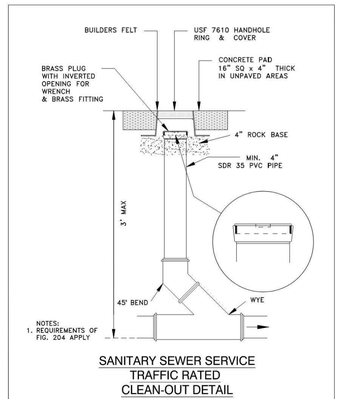


NOTES:

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

SERVICE LATERAL DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 204

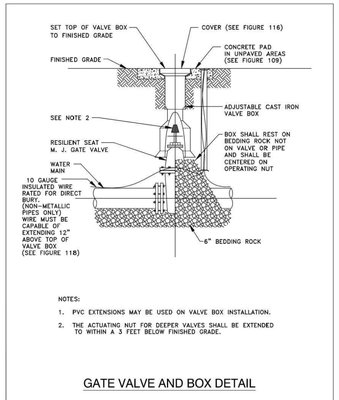


NOTES:
1. REQUIREMENTS OF FIG. 204 APPLY

SANITARY SEWER SERVICE TRAFFIC RATED CLEAN-OUT DETAIL

NTS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 205

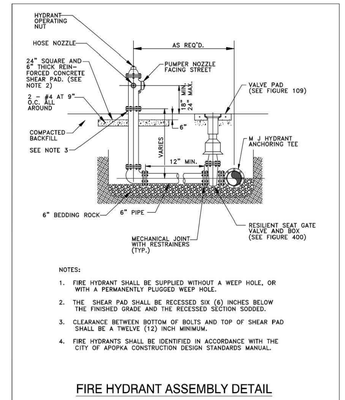


NOTES:

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

GATE VALVE AND BOX DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 400

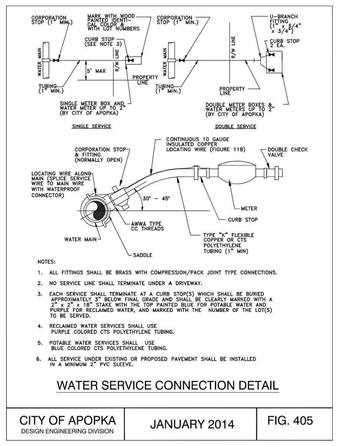


NOTES:

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

FIRE HYDRANT ASSEMBLY DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 402



NOTES:

1. ALL FITTINGS SHALL BE BRASS WITH COMPRESSION/PACK JOINT TYPE CONNECTIONS.
2. NO SERVICE LINE SHALL TERMINATE UNDER A DRIVEWAY.
3. EACH SERVICE SHALL TERMINATE AT A CURB STOP(S) WHICH SHALL BE BURIED APPROXIMATELY 5" BELOW FINAL GRADE AND SHALL BE CLEARLY MARKED WITH A 2" x 2" POST PAINTED BLUE WITH THE TOP PAINTED BLUE FOR POTABLE WATER AND PURPLE FOR RECLAIMED WATER, AND MARKED WITH THE NUMBER OF THE LOT(S) TO BE SERVED.
4. RECLAIMED WATER SERVICES SHALL USE PURPLE COLORED CTS POLYETHYLENE TUBING.
5. POTABLE WATER SERVICES SHALL USE BLUE COLORED CTS POLYETHYLENE TUBING.
6. ALL SERVICE UNDER EXISTING OR PROPOSED PAVEMENT SHALL BE INSTALLED IN A MINIMUM 2" PVC SLEEVE.

WATER SERVICE CONNECTION DETAIL

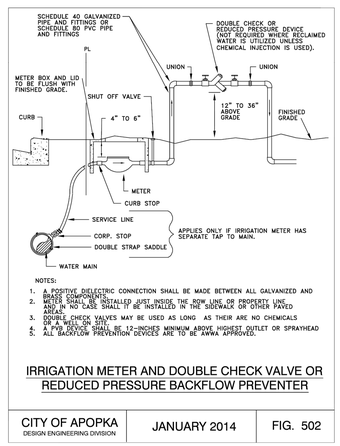
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 405

GENERAL NOTES

1. Governing standards and specifications on this project are constituted the Florida Department of Transportation (FDOT) Design Standards (2015 Edition), FDOT Standard Specifications for Road and Bridge Construction (2015 Edition), and City of Apopka Utilities Design and Construction Standards and Specifications.
2. All personal property, except trash boxes located within the public right-of-way was released by the property owners, shall be removed by the Contractor as necessary to construct the facilities shown on the Plans and Technical Specifications. Mail boxes shall be removed by the Contractor in accordance with FDOT Index No. 532.
3. The disposal of excess earthwork materials shall be the responsibility of the Contractor. Disposal shall be in accordance with Section 120 of the Florida Standard Specifications.
4. All existing trees and shrubs within the right-of-way and limit of the project are to be preserved as existing and grubbing unless otherwise directed.
5. Trees and shrubs shall be protected from damage unless otherwise directed.
6. All payement offsets shown are to the proposed centerline of construction, or where radius, dimensions are to the edge of pavement, unless otherwise noted.
7. Dimensions shown on the Plans for the location of utilities are approximate and may be adjusted as necessary or as directed by the Engineer. All systems shall be constructed in accordance with FDEP Rules 62-555.
8. The Contractor shall comply with the full specifications payment not included in the bid price for Section 104. The Contractor shall perform his work in accordance with the requirements of Section 104. The Contractor shall perform his work in accordance with the requirements of the specified shorelines. Environmental controls shall be used at locations designated in the Plans and Technical Specifications.
9. The information shown on these drawings concerning type and location of underground and other utilities are based on available records and surveys, but is not guaranteed to be accurate or complete. It is the responsibility of the Contractor to make his own determination as to the type of utilities as may be necessary to avoid damage thereto, and is responsible for coordinating utility relocations.
10. Prior to starting drainage structures, the Contractor shall determine if drainage utility conflicts exist. Information about possible conflicts shall be submitted to the Engineer as soon as possible after discovery of such for resolution.
11. All trench excavation shall be unclassified and shall include a minimum of two working days prior to excavation as required by Chapter 71-335 of the Florida Statutes.
12. All trenchwidth - plan prism shall be filled with non-shrink grout, covered with an asphaltic concrete surface course, FDOT Type SP-12.5 as specified in Section 334-1 of the Portage County Road Construction Specifications.
13. Contractor shall notify all utility companies within affected area (utility locating bureau and cable or power) twenty ASSINTS-20 working implementation.
14. The Contractor shall be responsible for the protection of all survey monuments. Any disturbance to monuments shall be reported to the Engineer immediately. Any monument disturbed by the Contractor shall be replaced and restaked by a Professional Land Surveyor registered in the State of Florida.
15. Within 21 calendar days after notice to proceed, the Contractor shall notify the public utilities to have their utilities located and marked in the field. Contractor shall protect all marks shown on the streets. No invoice for payment for mobilization (Pay Item No. 101-1) will be processed until the Contractor has complied with this requirement.
16. Any United States Code (USC) and National Geodetic Survey (NGS) monuments within the limits of construction shall be protected. If in danger of damage, the Contractor shall notify the Engineer and both shall notify:
   State Geodetic Advisor, NOAA
   National Geodetic Survey, Retrieval
   Tallahassee, FL Phone (850) 293-2466
17. It shall be the responsibility of the Contractor to acquire all necessary right-of-way and construction easements. The Contractor shall perform his work in accordance with the restrictive within the limits of public right-of-way owned and maintained by the City of Apopka. For construction activity within the limits of public right-of-way maintained by the State of Florida, the Contractor shall be responsible for obtaining all permits and paying the required permit fees for agencies. It shall be the responsibility of the Contractor to insure that all required permits are obtained and in-hand before beginning any construction.
18. Contractor shall verify all dimensions, quantities and conditions and report any errors shown on the plans have been determined from the best available information and are provided for the convenience of the Contractor. The Engineer assumes no responsibility for these conditions and dimensions. The Contractor shall compare all of the drawings and verify work should appreciably affect the execution of these plans, the Contractor shall halt construction and notify the Engineer immediately.
19. The Contractor shall be responsible for notifying the City within 48 hours before any inspection is done. The Contractor shall be responsible for insuring all inspectors criteria, suitability and inspection time.
20. The Contractor shall not excavate, remove or otherwise disturb any material, structure or part of a structure which is located outside the fence, peaks or grading section, established for this project, except where such excavation or removal is provided or in the Contract Documents or directed by the Engineer.
21. All work and all materials furnished shall be in conformity with the lines, grades, grading sections, cross sections, dimensions, material requirements, and testing requirements that are specified in the Contract Documents or established by the Engineer.
22. All work shall be accomplished in strict accordance with all applicable federal, state and local codes, ordinances and regulations.
23. Any deviation from the requirements of the Construction Plans shall be brought to the Engineer's attention before bidding.
24. After completion of construction, the Contractor shall provide to the City a completed Certificate of Completion, Certificate of Compliance, and Certificate of Acceptance. The Contractor's responsibility to perform is also dictated by the removal of trash, debris, excess materials, and equipment to present the project site clean and in good order.
25. The Contractor shall notify the Engineer in writing of the substantial done advantage of all major items proposed for this project to the Engineer prior to ordering any of the equipment or material. Two (2) copies of the shop drawings will be returned to the Contractor. Upon the Engineer's review of the material shop drawings from the Engineer, the Contractor may proceed with the work.
26. The Contractor shall comply with the legal load restrictions in hauling of materials in public streets. The City of Apopka will not be responsible for any damage to private property or to the Contractor of liability for damages which may result from the moving of material and equipment.
27. During construction, no direct discharge of water or downstream receiving waters will be allowed. The Contractor is responsible for maintaining water quality and water discharge water in such a manner so to adequately remove silt prior to runoff from the site.
28. Upon completion of the project, and prior to the request for final acceptance, the following work shall be performed:
   A. Removal of temporary facilities and force or abstraction and construction, grass material and dismount.
   B. Furnishing and installing pipings and making proper connection.

GN

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. GN

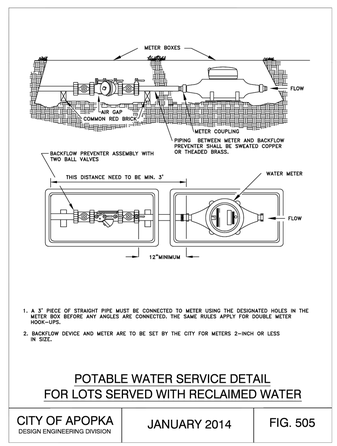


NOTES:

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

IRRIGATION METER AND DOUBLE CHECK VALVE OR REDUCED PRESSURE BACKFLOW PREVENTER

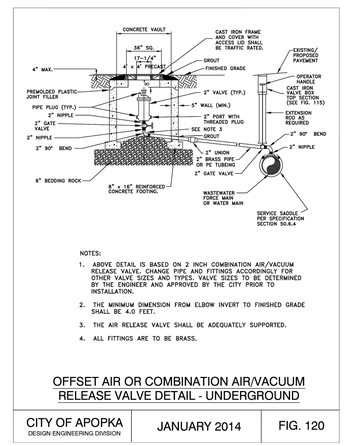
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 502



1. A 3' PIECE OF STRAIGHT PIPE MUST BE CONNECTED TO METER USING THE DESIGNATED HOLES IN THE METER BOX BEFORE ANY ANGLES ARE CONNECTED. THE SAME RULES APPLY FOR DOUBLE METER HOOK-UPS.
2. BACKFLOW DEVICE AND METER ARE TO BE SET BY THE CITY FOR METERS 2-INCH OR LESS IN SIZE.

POTABLE WATER SERVICE DETAIL FOR LOTS SERVED WITH RECLAIMED WATER

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 505



NOTES:

1. ABOVE DETAIL IS BASED ON 2 INCH COMBINATION AIR/VACUUM RELEASE VALVE. CHANGE PIPE AND FITTINGS ACCORDINGLY FOR OTHER VALVE SIZES AND TYPES. VALVE SIZES TO BE DETERMINED BY THE ENGINEER AND APPROVED BY THE CITY PRIOR TO INSTALLATION.
2. THE MINIMUM DIMENSION FROM ELBOW INVERT TO FINISHED GRADE SHALL BE 4.0 FEET.
3. THE AIR RELEASE VALVE SHALL BE ADEQUATELY SUPPORTED.
4. ALL FITTINGS ARE TO BE BRASS.

OFFSET AIR OR COMBINATION AIR/VACUUM RELEASE VALVE DETAIL - UNDERGROUND

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 120

THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR ADDRESSING THIS ISSUE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

Kimley»Horn
© 2026 KIMLEY-HORN AND ASSOCIATES, INC.
445 24TH STREET, SUITE 200, VERO BEACH, FL 32960
PHONE: 772-794-4100
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

No.	REVISIONS	DATE	BY

MACKENZIE CERJAN
LICENSE
No. 90545
STATE OF FLORIDA
PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY MACKENZIE CERJAN ON THE DATE ADJACENT TO THE SEAL.
SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

6/26/2026

KHA PROJECT	147864004
DATE	03/24/2026
SCALE	AS SHOWN
DESIGNED BY	MRM
DRAWN BY	MRM
CHECKED BY	MRC

UTILITY DETAILS

ROAD C EXTENSION
PREPARED FOR
KELLY PARK VB
DEVELOPMENT LLC
CITY OF APOPKA FLORIDA

SHEET NUMBER
C-551

Plotted By:DeArmas, Moises Sheet Set:ROAD C EXTENSION Layout:C-551 UTILITY DETAILS June 26, 2026 12:49:42pm K:\ORB_LDEV\147864000 Kelly Park Apopka FL\CADD_Road C\CADD\PlanSheets\C-550 UTILITY DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Ridgebrooke (aka Plymouth Harbor)
Construction Site Plan (CSP)

City of Apopka Florida Parcel I.D. # 25-20-27-0000-00-008; 021; 022
30-20-28-0484-00-040; 060; 085

Sunshine State 811 One Call of Florida, Inc.

for

STATEMENT OF USE:
THE PROPOSED CSP WILL SUBDIVIDE THE PROPERTY TO ALLOW FOR 86 SINGLE-FAMILY HOMES WITH ASSOCIATED OPEN SPACE AND COMMON AREA ON APPROXIMATELY 40.55 ACRES.

Lennar Homes LLC

NOTE:

1. THE CONTRACTOR SHALL INSTALL, AS PART OF THE INFRASTRUCTURE AND PRIOR TO CERTIFICATE OF COMPLETION, DROP CURBS AND HANDICAP RAMPS AT ALL INTERSECTIONS OF THE SIDEWALK WITH THE PROPOSED PAVEMENT TO MEET CITY OF APOPKA AND A.D.A. SPECIFICATIONS.
2. THESE CONSTRUCTION PLANS WERE PREPARED IN ACCORDANCE WITH THE MANUAL OF UNIFORM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS, FDOT GREEN BOOK AND CITY OF APOPKA AND ALL LOCAL & FEDERAL REGULATIONS & SPECIFICATIONS.
3. THIS PROJECT PROPOSES THE CONSTRUCTION OF A SINGLE-FAMILY SUBDIVISION WHICH WILL CONNECT TO GOLDEN GEM ROAD.

LEGAL DESCRIPTION (PER TITLE COMMITMENT):

PARCEL 1:

LOTS 4 AND 5 OF BAILEY'S ADDITION TO PLYMOUTH, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK B, PAGE 145, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA; AND THAT EAST 1/2 PORTION OF SORRENTO AVENUE ADJACENT TO LOT 5 BY RESOLUTION GRANTING PETITION TO VACATE #20-01-002 RECORDED IN OFFICIAL RECORDS INSTRUMENT #20220583272, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.
SUBJECT TO A RIGHT-OF-WAY GRANTED TO ORANGE COUNTY ACROSS WEST 30 FEET OF LOT 5 IN DEED BOOK 997, PAGE 167, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

PARCEL 2:

THE NORTH QUARTER (1/4) OF THE NORTHEAST QUARTER (1/4) OF THE SOUTHEAST QUARTER (1/4) OF SECTION 25, TOWNSHIP 20 SOUTH, RANGE 27 EAST, ORANGE COUNTY, FLORIDA, LESS THE WEST 393 FEET THEREOF; AND THAT WEST 1/2 PORTION OF SORRENTO AVENUE ADJACENT TO LOTS 4, 5 AND 6 BY RESOLUTION GRANTING PETITION TO VACATE #20-01-002 RECORDED IN OFFICIAL RECORDS INSTRUMENT #20220583272, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

PARCEL 3:

THE EAST HALF (1/2) OF THE SOUTH HALF (1/2) OF THE NORTHWEST QUARTER (1/4) OF THE NORTHEAST QUARTER (1/4) OF THE SOUTHEAST QUARTER (1/4) OF SECTION 25, TOWNSHIP 20 SOUTH, RANGE 27 EAST, ORANGE COUNTY, FLORIDA.

PARCEL 4:

THE SOUTH HALF (1/2) OF THE NORTHEAST QUARTER (1/4) OF THE NORTHEAST QUARTER (1/4) OF THE SOUTHEAST QUARTER (1/4) OF SECTION 25, TOWNSHIP 20 SOUTH, RANGE 27 EAST, ORANGE COUNTY, FLORIDA; AND THAT WEST 1/2 PORTION OF SORRENTO AVENUE ADJACENT TO LOTS 4, 5 AND 6 BY RESOLUTION GRANTING PETITION TO VACATE #20-01-002 RECORDED IN OFFICIAL RECORDS INSTRUMENT #20220583272, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.
SUBJECT TO AN EASEMENT FOR RIGHT-OF-WAY GRANTED TO ORANGE COUNTY ACROSS THE EAST 30 FEET IN DEED BOOK 997, PAGE 166, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

AS TO PARCELS 2, 3 AND 4, LESS AND EXCEPT:
THAT PORTION TAKEN BY THE FLORIDA EXPRESSWAY AUTHORITY, A BODY POLITIC AND CORPORATE AND AN AGENCY OF THE STATE UNDER THE LAWS OF THE STATE OF FLORIDA, BY THE STIPULATED ORDER OF TAKING RECORDED IN OFFICIAL RECORDS BOOK 10771, PAGE 1724 (NO LEGAL DESCRIPTION ATTACHED) AND DUPLICATE FILING WITH LEGAL DESCRIPTION IN OFFICIAL RECORDS BOOK 10779, PAGE 2159; OFFICIAL RECORDS BOOK 10780, PAGE 5828 (LEGAL DESCRIPTION UNREADABLE) AND OFFICIAL RECORDS BOOK 10780, PAGE 6572; AND STIPULATED FINAL JUDGMENT RECORDED IN OFFICIAL RECORDS INSTRUMENT # 201602597 21, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

PARCEL 5:

PART OF LOT 6, OF BAILEY'S ADDITION TO PLYMOUTH, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK B, PAGE 145, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE SOUTHEAST CORNER OF SECTION 25, TOWNSHIP 20 SOUTH, RANGE 27 EAST, ORANGE COUNTY, FLORIDA, THENCE NORTH 00 DEGREES 06'17" EAST 1667.05 FEET ALONG THE EAST LINE OF THE SOUTHEAST 1/4 OF SAID SECTION 25; THENCE DEPARTING SAID SECTION LINE NORTH 87 DEGREES 56'33" EAST 20.01 FEET TO THE POINT OF BEGINNING, BEING NORTH 00 DEGREES 06'17" EAST 2.01 FEET TO THE SOUTHWEST CORNER OF SAID LOT 6; THENCE NORTH 00 DEGREES 06'17" EAST 326.52 FEET ALONG THE WEST LINE OF SAID LOT 6; THENCE DEPARTING SAID WEST LINE NORTH 87 DEGREES 59'04" EAST 601.92 FEET ALONG THE NORTH LINE OF SAID LOT 6 TO A POINT OF THE WEST RIGHT OF WAY LINE OF PLYMOUTH SORRENTO ROAD, A 60' RIGHT OF WAY; AND THE NORTHEAST CORNER OF SAID LOT 6; THENCE ALONG SAID RIGHT OF WAY LINE SOUTH 00 DEGREES 14'30" EAST 326.01 FEET TO A POINT BEING NORTH 00 DEGREES 14'30" WEST 2.01 FEET TO THE SOUTHEAST CORNER OF SAID LOT 6; THENCE SOUTH 87 DEGREES 56'33" WEST 603.91 FEET ALONG A LINE BEING 2.00 FEET NORTHERLY OF AND PARALLEL WITH THE SOUTH LINE OF SAID LOT 6 TO THE POINT OF BEGINNING; AND THAT EAST 1/2 PORTION OF SORRENTO AVENUE LYING ADJACENT TO LOT 6 BY RESOLUTION GRANTING PETITION TO VACATE #20-01-002 RECORDED IN OFFICIAL RECORDS INSTRUMENT #20220583272, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA. LESS EXISTING RIGHT-OF-WAY TO PLYMOUTH SORRENTO ROAD.
SUBJECT TO AN EASEMENT FOR RIGHT-OF-WAY GRANTED TO ORANGE COUNTY ACROSS WEST 30 FEET OF LOT 6 IN DEED BOOK 997, PAGE 167; AND SUBJECT TO AN INGRESS EGRESS EASEMENT OVER THE SOUTH 20 FEET THEREOF BY THE EASEMENT IN OFFICIAL RECORDS BOOK 5820, PAGE 3121, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

PARCEL 6:

1. THE NORTH 1/2 OF THE SOUTHEAST QUARTER (1/4) OF THE NORTHEAST QUARTER (1/4) OF THE SOUTHEAST QUARTER (1/4) OF SECTION 25, TOWNSHIP 20 SOUTH, RANGE 27 EAST, ORANGE COUNTY, FLORIDA; AND THAT WEST 1/2 PORTION OF SORRENTO AVENUE LYING ADJACENT TO LOT 6 BY RESOLUTION GRANTING PETITION TO VACATE #20-01-002 RECORDED IN OFFICIAL RECORDS INSTRUMENT #20220583272, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA. LESS EXISTING RIGHT-OF-WAY TO PLYMOUTH SORRENTO ROAD. AND, LESS THE EAST 30 FEET THEREOF FOR ROAD RIGHT-OF-WAY PER RIGHT-OF-WAY AGREEMENT RECORDED IN DEED BOOK 997, PAGE 165, PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.

PARCEL 7:

THE SOUTH HALF OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 25, TOWNSHIP 20 SOUTH, RANGE 27 EAST, ALL LYING AND BEING IN ORANGE COUNTY, FLORIDA.

LESS AND EXCEPT THAT PORTION THEREOF CONVEYED TO ORLANDO-ORANGE COUNTY EXPRESSWAY AUTHORITY BY STIPULATED ORDER OF TAKING RECORDED IN OFFICIAL RECORDS BOOK 10729, PAGE 4077 AND OFFICIAL RECORDS BOOK 10765, PAGE 6293, OF THE PUBLIC RECORDS OF ORANGE COUNTY FLORIDA.

PARCEL 8:

PART OF LOTS 6, 9, AND 10, BAILEY'S ADDITION TO PLYMOUTH, ACCORDING TO PLAT THEREOF AS RECORDED IN PLAT BOOK B, PAGE 145, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SECTION 25, TOWNSHIP 20 SOUTH, RANGE 27 EAST, ORANGE COUNTY, FLORIDA; RUN NORTH 00 DEGREES 06 MINUTES 17 SECONDS EAST 1168.57 FEET ALONG THE EAST LINE OF THE SOUTHEAST 1/4 OF SAID SECTION 25 TO A POINT ON A LINE BEING 20.00 FEET WEST OF AND PARALLEL WITH THE WEST LINE OF SAID LOTS 6, 9 AND 10; THENCE DEPARTING SAID SECTION LINE NORTH 88 DEGREES 02 MINUTES 32 SECONDS EAST 20.01 FEET TO A POINT ON THE WEST LINE OF SAID LOT 10 AND THE EAST RIGHT OF WAY LINE OF SORRENTO AVENUE FOR A POINT OF BEGINNING; THENCE ALONG SAID EAST RIGHT OF WAY LINE NORTH 00 DEGREES 06 MINUTES 17 SECONDS EAST 498.51 FEET TO A POINT BEING 2.01 FEET NORTH 00 DEGREES 06 MINUTES 17 SECONDS EAST OF THE SOUTHWEST CORNER OF SAID LOT 6; THENCE DEPARTING SAID EAST RIGHT OF WAY LINE NORTH 87 DEGREES 56 MINUTES 33 SECONDS EAST 603.91 FEET TO A POINT ON THE WEST RIGHT OF WAY LINE OF PLYMOUTH SORRENTO ROAD, A 60 FOOT RIGHT OF WAY, AND THE EAST LINE OF SAID LOTS 6, 9 AND 10, SAID POINT ALSO BEING 2.00 FEET NORTH 00 DEGREES 14 MINUTES 30 SECONDS WEST OF THE SOUTHEAST CORNER OF SAID LOT 6; THENCE ALONG SAID RIGHT OF WAY LINE AND THE EAST LINE OF SAID LOTS 6 AND 9 SOUTH 00 DEGREES 14 MINUTES 30 SECONDS EAST 32.02 FEET; THENCE DEPARTING SAID RIGHT OF WAY LINE SOUTH 87 DEGREES 56 MINUTES 33 SECONDS WEST 180.09 FEET; TO A POINT ON A LINE BEING 180.00 FEET WEST OF AND PARALLEL WITH SAID WEST RIGHT OF WAY LINE OF PLYMOUTH SORRENTO ROAD, THENCE ALONG SAID PARALLEL LINE SOUTH 00 DEGREES 14 MINUTES 30 SECONDS EAST 467.13 FEET; THENCE DEPARTING SAID PARALLEL LINE SOUTH 88 DEGREES 02 MINUTES 32 SECONDS WEST 426.81 FEET TO THE POINT OF BEGINNING.

by

G L SUMMITT
ENGINEERING INC

Drawing Index

No.	Title	Revised
1	Coversheet	06-30-26
2	Symbols & Abbreviations	06-30-26
3	General Notes	06-30-26
4	Utility Notes	06-30-26
5-8	Boundary & Topo Survey	06-30-26
9	Erosion Control Plan	06-30-26
10	Overall Site Plan	06-30-26
11	Open Space Rec. Plan	06-30-26
12	Design Standards Plan	06-30-26
13	Planview Kep Map	06-30-26
14-15	Detailed Site Plan(s)	06-30-26
16-17	Utility Plan(s)	06-30-26
18-18A	Offsite Utility Connection Plan	06-30-26
19-20	Paving & Drainage Plan(s)	06-30-26
21-22	Grading Plan(s)	06-30-26
23-24	Ceretto St. P&P(s)	06-30-26
25	Domane Ct. P&P(s)	06-30-26
26	Graff Ct. P&P(s)	06-30-26
27-28	Rippon St. P&P(s)	06-30-26
29-30	Ruinart Dr. P&P(s)	06-30-26
31-31b	Sorrento Ave. P&P(s)	06-30-26
32-33	Plymouth Sorrento Rd. Erosion Control Plan(s)	06-30-26
34-35	Plymouth Sorrento Rd. Horizontal Geometry Plan(s)	06-30-26
36-37	Plymouth Sorrento Rd. Paving & Drainage Plan(s)	06-30-26
38-39A	Plymouth Sorrento Rd. Plan & Profile(s)	06-30-26
40-42B	Plymouth Sorrento Rd. Cross Section(s)	06-30-26
43	Plymouth Sorrento Rd. Detail(s)	06-30-26
44-45	Truck Turning Plan(s)	06-30-26
~~46-47~~	~~Landscape Plan(s)~~	
~~48~~	~~Landscape Detail(s)~~	
~~49-50~~	~~Irrigation Plan(s)~~	
~~51~~	~~Irrigation Detail(s)~~	
52-56	Utility Detail(s)	06-30-26
57-61	General Detail(s)	06-30-26

Project Team

Owner
Plymouth Harbor, LLC
P.O. Box 485
Mount Dora, FL 32756
Ph:
Fx:

Developer
Lennar Orlando
6675 Westwood Blvd.
5th Floor
Orlando, FL 32821
Ph:
Fx:

Surveyor
Mizo and Associates, LLC
1407 Cumbie Street
Orlando, FL 32804
Ph: (321) 200-4904
Fx:

Civil Engineer
G L Summitt Engineering, Inc.
3667 Simonton Place
Lake Mary, FL 32746
Ph: (407) 323-0705
Fx: (407) 992-8650

Landscape Architect
Ravensdale Planning & Design, Inc.
5106 South Pointe Drive
Inverness, Florida 34450
Ph: (407) 647-1213
Fx:

Utilities

Drinking Water
City of Apopka
748 E. Cleveland St.
Apopka, FL 32703
Ph: (407) 703-1731
Fx: (407) 703-1748

Sanitary Sewer
City of Apopka
748 E. Cleveland St.
Apopka, FL 32703
Ph: (407) 703-1731
Fx: (407) 703-1748

Garbage Disposal
City of Apopka
748 E. Cleveland St.
Apopka, FL 32703
Ph: (407) 703-1731
Fx: (407) 703-1748

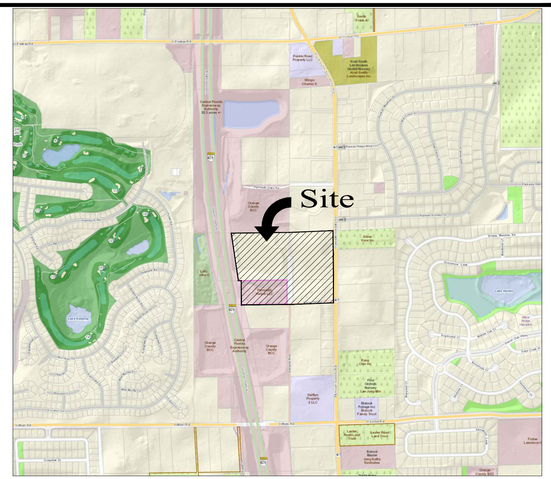
Reclaim Water
City of Apopka
748 E. Cleveland St.
Apopka, FL 32703
Ph: (407) 703-1731
Fx: (407) 703-1748

Electric Service
Duke Energy
2626 W S.R. 46
Sanford, FL 32771
Ph: (407) 328-1909

Phone Provider
AT&T
1227 S. Division Ave.
Orlando, FL 34805
Ph: (407) 351-7100

Cable Provider
Spectrum Networks
100 Gordon St.
Sanford, FL 32771
Ph: (321) 805-3081

Vicinity Map



STR: 20,28, 20S, 28E 1" = 1,000'

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

This item has been digitally signed and sealed by Geoffrey L. Summitt, P.E. on *Jul 08 2026*

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

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Coversheet

Plans not valid unless Signed, Dated and Seal is Below.

GEOFFREY L. SUMMITT, P.E.
FL Registration #58775
Date: June 30, 2026
Certificate of Authorization #29665

Digitally signed by Geoffrey L Summitt
Date: 2026.07.08 13:30:06 -04'00'

NO.	DATE	DESCRIPTION
7	06/30/26	Revised per City Comments
6	05/19/26	Revised per St Johns ERP & Apopka Comments
5	03/25/26	Revised per St Johns ERP & Apopka Comments
4	02/12/26	Revised per St Johns Ecs. & GeoTD & Contractor Modifications
3	[illegible]	[illegible]
2	[illegible]	[illegible]
1	[illegible]	[illegible]

SHEET NUMBER
1 OF 61

ABBREVIATIONS

A

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

B

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

C

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

D

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

E

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

F

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

G

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

H

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

I

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

J

JB	JUNCTION BOX
JCT	JUNCTION
JST	JOIST
JT	JOINT

L

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

M

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

N

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

O

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

P

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

Q R

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

S

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

T

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

U

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

V

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

W

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

Y

YD	YARD
YR	YEAR

MISC

&	AND
@	AT
△	DELTA

EXISTING SYMBOLS

LINES

- CENTER LINE
- WIRE FENCE
- CHAIN LINK FENCE
- WOOD FENCE
- GUARDRAIL
- EXISTING PLATS
- RETAINING WALL
- R/W — RIGHT-OF-WAY LINE
- SHORELINE
- SWALE
- BUILDING LINE
- CONTOURS (81 / 80)
- RAILROAD TRACKS
- GAS — GAS MAIN
- UE — UNDERGROUND ELECTRIC
- UGT — UNDERGROUND TELEPHONE
- OVERHEAD ELECTRIC
- OVERHEAD TELEPHONE
- CTV — UNDERGROUND CABLE TELEVISION
- EASEMENT

SANITARY

- SANITARY SEWER LINE
- CLEANOUT
- FM — FORCE MAIN
- MANHOLE

WATER & REUSE WATER

- 6"WM — WATER MAIN 6" PVC PIPE
- RM — REUSE WATER MAIN
- BACKFLOW PREVENTOR
- WATER VALVE
- FIRE HYDRANT
- WATER METER

STORM DRAIN

- STORM SEWER
- MANHOLE
- MITERED END
- STORM INLET
- FDOT TYPE 6 INLET
- FDOT TYPE 1 INLET
- FDOT TYPE 2 INLET
- FDOT TYPE 3 INLET
- FDOT TYPE 4 INLET
- FDOT TYPE 5 INLET

HIGHWAY & UTILITIES

- BENCHMARK
- RECOVERED 4x4 CM
- SET 4x4 CM
- SET IRON ROD
- RECOVERED IRON ROD
- CONCRETE
- 520 — COUNTY ROADS
- 95 — INTERSTATE ROADS
- 50 — STATE ROADS
- WOOD AND/OR METAL LIGHT POLE
- CONCRETE LIGHT POLE
- YARD LIGHT
- MISCELLANEOUS SIGN
- 16 15 / 21 22 — SECTION CORNER
- EDGE OF PAVEMENT W/O CURB
- EDGE OF PAVEMENT W/CURB
- GUY POLE
- WOOD UTILITY POLE
- CONCRETE UTILITY POLE
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- TELEPHONE RISER
- ELECTRIC BOX / TRANSFORMER
- WELL
- MONITORING WELL
- DUMPSTER
- RR CROSSING SIGN
- RR CROSSING GATE
- TRAFFIC SIGNAL POLE
- SATALITE DISH
- GUY WIRE
- HANDICAP PARKING
- 99.50 — SPOT ELEVATION
- BRICK PAVERS
- DIRT ROAD
- 8" MAPLE TREE
- 8" OAK TREE
- 8" PINE TREE
- 8" PALM TREE
- 8" MISC. TREE

PROPOSED SYMBOLS

LINES

- BOUNDARY
- CONSERVATION SETBACK
- CENTER LINE
- CHAIN LINK FENCE
- CONTOUR (81 / 80)
- EASEMENT
- FENCE
- GUARDRAIL
- LOT LINE
- P/L — PROPERTY LINE
- RETAINING WALL
- R/W — RIGHT-OF-WAY LINE
- SETBACK LINE
- SHORELINE
- SWALE
- TREE LINE

SANITARY

- 100 LF SAN 8 PVC 0.40% — 100 LINEAR FEET SANITARY 8" PVC PIPE @ 0.40% SLOPE
- CLEANOUT
- DOUBLE SANITARY SERVICE
- FM — FORCE MAIN
- MANHOLE

WATER & REUSE WATER

- WM — WATER MAIN
- 11 1/2° BEND
- 22 1/2° BEND
- 45° BEND
- 90° BEND
- TEE
- CROSS
- CHECK VALVE
- DOUBLE DETECTOR CHECK VALVE
- DOUBLE WATER SERVICE
- GATE VALVE
- FIRE HYDRANT
- M — METER
- REDUCER
- BLOWOFF
- BACKFLOW PREVENTER
- SP 2 — SAMPLE POINT
- UNDERDRAIN CEANOUT
- RM — RECLAIMED WATER MAIN
- REUSE WATER SYSTEM CONNECTION
- DOUBLE REUSE WATER SERVICE

STORM DRAIN

- 100 LF STS 24 RCP @ 0.20% — 100 LINEAR FEET STORM PIPE 24" REINFORCED CONCRETE PIPE @ 0.20%
- UNDERDRAIN 6" PVC 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
- SLOPE DIRECTION ARROW FOR POND SIDE SLOPE
- 100.00 — SPOT ELEVATION
- STORM INLET

HIGHWAY & UTILITIES

- BOUND CORNER
- CONCRETE
- 520 — COUNTY ROADS
- 901 / 24 — DETAIL REFERENCE
- DUMPSTER PAD
- FF=98.76 / TYPE A — FINISHED FLOOR ELEVATION W/ FHA LOT TYPE
- GUY POLE
- HANDICAP PARKING
- 95 — INTERSTATE ROADS
- LIGHT POLE
- SIGNS
- 16 15 / 21 22 — SECTION CORNER
- 50 — STATE ROADS
- SILT FENCE
- TRAFFIC FLOW PAVEMENT MARKING
- UTILITY POLE
- BLDG OR STRUCTURE
- TYPE F CURB & GUTTER
- MIAMI CURB
- 901 / 24 — CROSS SECTION DETAIL

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Symbols & Abbreviations

Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/23	Initial Submittal
2	05/30/23	Revised For Orange County 'E' Permit Comments
3	06/30/23	Revised For St. Johns ERP & Apopka Comments
4	07/27/23	Revised For Apopka Comments
5	08/29/23	Revised For Apopka Comments
6	02/12/26	Revised For Sermon Ave. & Golf Ct & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	####	
10	####	

SHEET NUMBER
2 OF 61

GENERAL NOTES:

1. THE CONTRACTOR SHALL TAKE SPECIAL NOTICE THAT ALL SPECIFICATIONS AND DETAILS SHOWN HEREON ARE BELIEVED TO BE THE LATEST AND MOST ACCURATE AT THE TIME OF DESIGN AND SUBMITTAL; HOWEVER THE ENGINEER DOES NOT WARRANTY ANY OF THE PROVIDED SPECIFICATIONS AND DETAILS. THESE SPECIFICATIONS AND DETAILS ARE SUBJECT TO REVISION BY THE ISSUING MUNICIPALITIES AND AGENCIES. IT IS SOLELY THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COMPLETE COPIES OF AND BECOME FAMILIAR WITH ALL REFERENCES CONTAINED HEREIN; INCLUDING, BUT NOT LIMITED TO THE LATEST EDITIONS OF: THE LOCAL AGENCY'S SPECIFICATIONS, THE UTILITY PROVIDER'S SPECIFICATIONS, THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) "MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS" (GREEN BOOK), THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) "UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD), FDOT "ROADWAY AND TRAFFIC DESIGN STANDARDS" (RTDS), AND FDOT "STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION" (SSRBC).

2. ALL FDOT DESIGN INDICES ARE HEREBY INCORPORATED AS PLAN REFERENCES HEREIN.

3. CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTING ALL WORKS IN CONFORMANCE WITH LOCAL AGENCIES' LATEST CODES, REGULATIONS & REQUIREMENTS, RTDS, AND SSRBC.

4. IT IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL CONSTRUCTION INSPECTION, TESTING, AND MATERIALS CONFORM TO THE LATEST EDITIONS OF THE DESIGN REFERENCES INCLUDING, BUT NOT LIMITED TO: LOCAL AGENCY'S SPECIFICATIONS, WATER MANAGEMENT DISCTRICT (WMD), FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP), FDOT, AND MUTCD.

5. THE CONTRACTOR IS DIRECTED TO NOTIFY G L SUMMITT ENGINEERING, INC. OF ANY PROBLEMS REQUIRING DEVIATION FROM THESE PLANS AND SPECIFICATIONS.

6. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL MEET WITH AND SUBMIT A CONSTRUCTION SCHEDULE TO THE ENGINEER AND SECURE ALL REQUIRED LICENSES AND PERMITS.

7. WHEN DETAILS ARE PROVIDED, CONTRACTOR SHALL CONSTRUCT JOB PER SPECIFIC DETAILS, AND NOT BY SCALING FROM THESE PLANS.

8. CONTRACTOR SHALL SUBMIT A "MAINTENANCE OF TRAFFIC" PLAN TO THE APPROPRIATE LOCAL AGENCY PRIOR TO CONSTRUCTION COMMENCEMENT.

9. AS-BUILT DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE PROJECT ENGINEER UPON COMPLETION OF CONSTRUCTION.

10. THE CONTRACTOR SHALL RESTORE OFF-SITE CONSTRUCTION AREAS TO EQUAL OR BETTER CONDITION THAN EXISTED PRIOR TO COMMENCEMENT OF CONSTRUCTION.

11. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE POLICIES AND GUIDELINES ESTABLISHED BY THE LOCAL AGENCY REGARDING THE PRESERVATION OF ALL PUBLIC AND PRIVATE PROPERTY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE OR INJURY TO PROPERTY OF ANY CHARACTER, DURING THE PROSECUTION OF THE WORK, RESULTING FROM ANY OMISSION, NEGLECT, OR MISCONDUCT IN HIS MANNER OR METHOD OF EXECUTING THE WORK, OR AT ANYTIME DUE TO DEFECTIVE WORK OR MATERIALS.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPE BUFFERS, RETENTION AND DETENTION FACILITIES, EASEMENTS, ETC. UNTIL THE WORK HAS BEEN ACCEPTED BY THE OWNER. ALL DISRUPTED AREAS SHALL BE RETURNED TO EQUAL OR BETTER CONDITION THAN EXISTED PRIOR TO COMMENCEMENT OF CONSTRUCTION.

13. THE BUILDING SITE AND POND AREAS SHALL BE CLEARED OF ALL TREES EXCEPT THOSE WHICH ARE DESIGNATED TO BE SAVED OR RELOCATED. BEFORE CONSTRUCTION, THE CONTRACTOR SHALL MEET AT THE SITE WITH THE OWNER. AT THIS TIME, ANY TREES TO BE SAVED SHALL BE POINTED OUT AND TAGGED. THESE TREES SHALL BE PROTECTED FROM DAMAGE. TREES SHALL NEITHER BE REMOVED FROM THE WETLAND NOR THE WETLAND PROTECTIVE BUFFER WITHOUT APPROVAL FROM SEMINOLE COUNTY PLANNING AND DEVELOPMENT AND THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT.

14. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL SETBACKS AND EASEMENTS BEFORE BEGINNING CONSTRUCTION. THESE SHALL INCLUDE, BUT ARE NOT LIMITED TO, GAS EASEMENT, POWER EASEMENT, EXISTING UTILITIES AND RIGHTS-OF-WAY.

15. EXISTING FEATURES INFORMATION IS BASED ON THE FOLLOWING:
SURVEYOR: Mizzo and Associates Professional Land Surveyors
DRAWING: Boundary, Topographic and Tree Survey Lying in Section 30, Township 20S, Range 30E.
Dated: 10/09/2023 Job: N/A
LATEST REVISION DATE: N/A

16. ROADWAYS AND PARKING AREAS ARE DESIGNED IN SUBSTANTIAL CONFORMANCE WITH THE APPLICABLE STANDARDS AS SET FORTH IN THE GREEN BOOK AND THE LOCAL AGENCIES' SPECIFICATIONS.

17. ALL PAVEMENT MARKING, STRIPING, SIGNS AND OTHER TRAFFIC CONTROL EQUIPMENT AND INSTALLATION THEREOF SHALL CONFORM TO MUTCD AS WELL AS LOCAL, STATE, AND OTHER FEDERAL STANDARDS, REGULATIONS AND REQUIREMENTS.

18. THE CONTRACTOR SHALL FORM SIDEWALKS, CURBS, ETC. IN ACCORDANCE WITH THE GRADING AND DRAINAGE PLAN AND SPECIFICATIONS. WHERE APPLICABLE, CONTRACTOR IS RESPONSIBLE FOR CONFORMANCE TO REGULATIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA), FLORIDA ACCESSIBILITY CODE (FAC), AND LOCAL GOVERNMENT. THE MAXIMUM LONGITUDINAL ACCESSIBLE SIDEWALK AND DRIVEWAY SLOPES SHALL BE 5.0% AND MAXIMUM CROSS SLOPE OF 2.0% (1.0% MINIMUM).

19. THE CONTRACTOR SHALL INSTALL DROP CURBS AND HANDICAP RAMPS AT ALL INTERSECTIONS OF THE SIDEWALK WITH THE PROPOSED PAVEMENT TO MEET FDOT, ADA, AND FAC SPECIFICATIONS.

20. THE CONTRACTOR SHALL COMPLY WITH THE AGENCY HAVING JURISDICTION FOR STRIPPING, CLEARING, GRUBBING, GRADING, BACKFILLING, AND EMBANKMENT PREPARATION WITHIN ALL DESIGNED ROADWAY RIGHT-OF-WAY SECTIONS.

21. UNLESS OTHERWISE NOTED, GRADE TO MEET EXISTING ELEVATIONS AT PROPERTY LINES. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE OF THE SITE TO THE RETENTION PONDS AS SHOWN BY PROPOSED GRADES AND FLOW ARROWS.

22. THE CONTRACTOR SHALL CONSTRUCT ALL STORM SEWER AND APPURTENANCES IN ACCORDANCE WITH LOCAL AGENCY'S SPECIFICATIONS, WMD REQUIREMENTS AND SSRBC.

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

24. GEOTECHNICAL ENGINEERING INFORMATION IS BASED ON THE FOLLOWING:
ENGINEER: Geo-Technology Associate, Inc.
REPORT NUMBER: 31232207
DATED: December 26, 2024
LATEST REVISION Supplement: N/A
DATED: N/A

ADDITIONAL SERVICES WILL BE PROVIDED TO THE CONTRACTOR UPON REQUEST OF THE OWNER. G L SUMMITT ENGINEERING, INC. ASSUMES NO RESPONSIBILITY FOR THE CORRECTNESS, ACCURACY AND COMPLETENESS OF GEOTECHNICAL WORK.

25. EXCAVATION, PAVING, STORM SEWER AND ANY RELATED WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL AGENCY 'S SPECIFICATIONS, SSRBC, AS WELL AS REQUIREMENTS FOR SITE WORK AS SHOWN IN THE GEOTECHNICAL REPORT REFERENCED IN THESE NOTES.

26. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY AND ALL GEOTECHNICAL REPORTS PREPARED FOR THE SITE. ALL SITE GRADING IS TO CONFORM TO THE GEOTECHNICAL REPORT REFERENCED IN THESE NOTES, SPECIFICATIONS AND DETAILS.

27. CONTRACTOR SHALL INSTALL ROAD UNDERDRAINS (IF CALLED FOR ON THE PLANS) IN ACCORDANCE WITH THE GEOTECHNICAL REPORT REFERENCED IN THESE DETAILS.

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

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

30. ALL REINFORCED CONCRETE PIPE (RCP) SHALL BE MINIMUM CLASS III OR FDOT APPROVED EQUAL (FRCP). ALL HIGH DENSITY POLYETHYLENE (HDPE) PIPE SHALL BE ADS N- 12 OR APPROVED EQUAL.

31. ALL MANHOLE AND INLET STRUCTURES SHALL BE PRECAST CONCRETE. THE CONTRACTOR SHALL USE CONCRETE WITH A MINIMUM 28 DAY STRENGTH OF 3,000 P.S.I.

32. THE CONTRACTOR SHALL LOCATE ALL UTILITIES OR UNDERGROUND STRUCTURES PRIOR TO CONSTRUCTION AND NOTIFY EACH RESPECTIVE UTILITY OWNER FORTY -EIGHT (48) HOURS (2 WORKING DAYS) PRIOR TO COMMENCEMENT OF CONSTRUCTION.

33. COMPACT ALL UTILITY TRENCHES WITHIN THE TOP 2' OF THE ROADWAY TO 98% OF THE MODIFIED PROCTOR DENSITY; WITHIN OTHER AREAS TO 95%.

34. ALL PAVEMENT, PAVEMENT BASE, CURBING, STORMWATER SYSTEMS, WATER SYSTEMS AND SANITARY SEWER SYSTEMS THAT ARE TO BE DEMOLISHED AND REMOVED SHALL BE DISPOSED OF OFF-SITE BY THE SITE CONTRACTOR, UNLESS OTHERWISE DIRECTED BY THE OWNER

35. DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE AND PROPER SOIL EROSION CONTROL MEASURES FOR PROTECTION OF ALL DRAINAGE AND SEWER STRUCTURES AND AT ALL ADJACENT LANDS AND ROADS.

36. CONTRACTOR SHALL PROVIDE EROSION AND SEDIMENT CONTROL DURING THE CONSTRUCTION PHASE PER LOCAL AGENCY, WMD, FDEP, AND ENVIRONMENTAL PROTECTION AGENCY (EPA) REQUIREMENTS.

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

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

39. ALL EXISTING UTILITIES HAVE BEEN FIELD VERIFIED AT ALL POINTS OF CONNECTION TO, AND AT ALL AREAS OF CONFLICT WITH NEW UTILITIES.

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

General Notes

Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/26/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Jurisdictional & Graffiti & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	##/##/##	
10	##/##/##	

SHEET NUMBER
3 OF 61

FDEP UTILITY NOTES

2. WATER MAIN MATERIALS:

A. PVC PIPE OF NORMAL DIAMETER OF FOUR (4) THROUGH TWELVE (12) INCHES SHALL BE (BLUE) AWWA STANDARD C900, CLASS 150, DR 18 UNLESS UNDER PAVED AREAS IN WHICH CASE THE PIPE SHALL BE AWWA STANDARD C900, CLASS 200, DR 14. AND SHALL BEAR THE NSF LOGO FOR POTABLE WATER USE AND MUST MEET THE REQUIREMENTS OF ASTM D-1784.

B. DUCTILE IRON PIPE FOR WATER MAIN FOR PIPE SIZES OF FOUR (4) THROUGH FIFTY (50) INCHES SHALL CONFORM TO ANSI/AWWA A21.51/C151 OR C160. A MINIMUM OF CLASS 50 UNLESS OTHERWISE NOTED.

C. POTABLE WATER PIPES MUST BE MANUFACTURED IN ACCORDANCE WITH THE FOLLOWING AWWA SPECIFICATIONS:

1. PVC (WITH NATIONAL SANITATION FOUNDATION SEAL):

A. AWWA C900/ ASTM D-1784 (4 INCHES TO 12 INCHES) WITH DR 18 IN UNPAVED AREAS & DR 14 IN PAVED MINIMUM;

B. AWWA C905 (14 INCHES TO 36 INCHES);

C. ASTM D-1785 OR AWWA C905 (LESS THAN 4 INCHES) SCHEDULES 40, 80, AND 120 OR ASTM 2241 (SDR 21 MINIMUM);

1. POLYETHYLENE PIPE - AWWA C901 WITH VALVES AND FITTINGS (AWWA C800)

D. PVC WATER MAIN JOINTS:

1. PVC PIPE SHALL HAVE INTEGRAL BELL PUSH ON TYPE JOINTS CONFORMING TO ASTM D3139.

2. JOINTS FOR DUCTILE IRON PIPE AND FITTING JOINTS SHALL BE PUSH-ON OR MECHANICAL JOINTS CONFORMING TO ANSI/AWWA A21.11/C111. WHERE CALLED FOR IN THE PLANS, RESTRAINED OR FLANGED JOINTS SHALL BE PROVIDED.

E. PVC AND DUCTILE IRON PIPE WATER MAIN FITTINGS:

1. ANY FITTINGS REQUIRED SHALL BE MECHANICAL JOINT DUCTILE IRON OR GREY IRON CONFORMING TO ANSI/AWWA A21.10/C110, 25 PSI MINIMUM PRESSURE RATING, OR DUCTILE IRON COMPACT FITTINGS FOUR (4) THROUGH TWELVE (12) INCHES IN ACCORDANCE WITH ANSI/AWWA A21.53/C153.

F. SERVICE PIPE, STOPS AND FITTINGS:

1. **SERVICE PIPE**:
ALL SERVICE LINES SHALL BE 1", 1-1/2' OR 2" POLYETHYLENE TUBING. WITH NSF LOGO FOR POTABLE WATER USE, AND MUST CONFORM TO SPECIFICATION IN AWWA C800 AND AWWA C901.

2. **STOPS:**
CORPORATION STOPS SHALL BE 1", 1-1/2" OR 2" BRASS, EQUIPPED WITH CONNECTIONS COMPATIBLE WITH THE POLYETHYLENE TUBING AND THREADED IN ACCORDANCE WITH SPECIFICATIONS IN AWWA C800 AND AWWA C901. CURB STOPS SHALL BE SIZED TO MATCH THE METER SIZE AND CONFORM TO THE SPECIFICATIONS IN AWWA C800 AND AWWA C901.

3. **FITTINGS:**
FITTINGS SHALL BE BRASS, CAST AND MACHINED IN ACCORDANCE WITH SPECIFICATIONS IN AWWA C800 AND AWWA C901 WITH COMPATIBLE POLYETHYLENE TUBING CONNECTIONS.

4. **SERVICE SADDLES**:
A SERVICE SADDLE SHALL BE USED FOR ALL SERVICE LINE TRAPS. SERVICE SADDLES SHALL BE DOUBLE STRAP, ANCHORED BY A MINIMUM FOUR (4) BOLT PATTERN ON A DUCTILE IRON SADDLE BODY. SERVICE SADDLES FOR PVC PIPES SHALL HAVE THE DOUBLE STRAP SIZED EXACTLY TO THE PIPE OUTSIDE DIAMETER. SEALING GASKETS SHALL BE BUNA-N RUBBER AND STRAPS SHALL BE CORROSION-RESISTANT ALLOY STEEL.

THE CITY OR COUNTY MAY REQUIRE A STAINLESS STEEL STRAP AND FUSION EPOXY OR NYLON COATED DUCTILE IRON BODY WITH STAINLESS STEEL HARDWARE IN AREAS DESIGNATED AS CORROSIVE.

G. MARKING FOR WATERMAIN:

ALL WATERMAINS SHALL BE INSTALLED WITH A CONTINUOUS, INSULATED 12 GAUGE HIGH STRENGTH COPPER CLAD STEEL CONDUCTOR, INSULATED WITH A 30MIL MIN. HIGH DENSITY POLYETHYLENE INSULATION WITH A BREAK LOAD OF 380 LBS. MIN. RATED FOR DIRECT BURIAL AND 30 VOLTS DIRECTLY ON TOP OF THE PIPE FOR LOCATION PURPOSES. IN ADDITION ALL PVC WATERMAINS SHALL BE A SOLID BLUE 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.

3. SANITARY PIPE MATERIALS:

A. PVC GRAVITY SEWER PIPE:

PVC GRAVITY SEWER PIPE (6"-15"), SHALL BE ASTM D3034, SDR 26. UNIFORM MINIMUM "PIPE STIFFNESS" AT FIVE (5) PERCENT DEFLECTION SHALL BE 46 PSI. 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. THE MINIMUM STANDARD LENGTH OF THE PIPE SHALL BE THIRTEEN (13) FEET.

B. N/A

C. PIPE MARKINGS:

ALL GRAVITY SEWER MAINS SHALL BE INSTALLED WITH A CONTINUOUS, INSULATED 12 GAUGE HIGH STRENGTH COPPER CLAD STEEL CONDUCTOR, INSULATED WITH A 30MIL MIN. HIGH DENSITY POLYETHYLENE INSULATION (GREEN) WITH A BREAK LOAD OF 380 LBS. MIN. RATED FOR DIRECT BURIAL AND 30 VOLTS DIRECTLY ON TOP OF THE PIPE FOR LOCATION PURPOSES. IN ADDITION ALL PVC GRAVITY SEWER MAINS SHALL BE A SOLID BROWN OR GREEN COLOR. ALL DUCTILE IRON GRAVITY SEWER 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 GREEN IN COLOR BACKFILL SHALL NOT BE PLACED FOR 30 MINUTES FOLLOWING PAINT APPLICATION.

D. JOINT MATERIALS:

PVC PIPE PVC SEWER PIPE JOINTS SHALL BE FLEXIBLE ELASTOMERIC SEALS PER ASTM D3212.

E. FITTINGS:

ALL FITTINGS SHALL BE THE SAME MATERIAL AS THE PIPE

4. FORCEMAINS:

A. PVC PIPE:

PVC PIPE OF NORMAL DIAMETER OF FOUR (4) THROUGH TWELVE (12) INCHES SHALL BE GREEN AWWA C900, CLASS 185 DR 18 MEETING THE REQUIREMENTS OF ASTM D-1784 OR SDR 11 HIGH DENSITY POLYETHYLENE (HDPE) PIPE.

B. N/A

C. FORCEMAIN JOINTS:

1. PVC PIPE SHALL HAVE INTEGRAL BELL PUSH-ON TYPE JOINTS CONFORMING TO ASTM D3139

2. N/A.

D. FORCEMAIN FITTINGS:

1. FORCEMAIN FITTING FOR PVC SHALL BE THE SAME AS IN NOTE 22-E.1 OF THIS SHEET.

E. MARKING FOR FORCEMAIN:

1. ALL FORCEMAINS SHALL BE INSTALLED WITH A CONTINUOUS, INSULATED 12 GAUGE HIGH STRENGTH COPPER CLAD STEEL CONDUCTOR, INSULATED WITH A 30MIL MIN. HIGH DENSITY POLYETHYLENE INSULATION (GREEN) WITH A BREAK LOAD OF 380 LBS. MIN. RATED FOR DIRECT BURIAL AND 30 VOLTS DIRECTLY ON TOP OF THE PIPE FOR LOCATION PURPOSES. IN ADDITION ALL PVC FORCEMAINS SHALL BE A SOLID GREEN COLOR. ALL DUCTILE IRON FORCEMAINS 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 GREEN IN COLOR BACKFILL SHALL NOT BE PLACED FOR 30 MINUTES FOLLOWING PAINT APPLICATION.

5. RECLAIMED WATERMAINS:

A. PVC PIPE:

PVC PIPE OF NORMAL DIAMETER OF FOUR (4) THROUGH TWELVE (12) SHALL BE LAVENDER AWWA C900, CLASS 150, SDR 18 AND MUST MEET THE REQUIREMENTS OF ASTM D-1784.

B. DUCTILE IRON PIPE:

DUCTILE IRON PIPE FOR RECLAIMED WATER FOR PIPE SIZES OF FOUR (4) THROUGH FIFTY FOUR (54) INCHES SHALL CONFORM TO ANSI/AWWA A21-51/C151. A MINIMUM OF CLASS 50 UNLESS OTHERWISE NOTED. TO ASTM D3139

C. RECLAIMED MAIN JOINT:

1. PVC PIPE SHALL HAVE INTEGRAL BELL PUSH-ON TYPE JOINTS CONFORMING TO ASTM D3139

2. JOINTS FOR DUCTILE IRON PIPE AND FITTING SHALL BE THE SAME AS IN NOTE 22-D.2 OF THIS SHEET.

D. RECLAIMED MAIN FITTINGS:

1. RECLAIMED MAIN FITTING FOR PVC AND DIP SHALL BE THE SAME AS IN NOTE 22-E.1 OF THIS SHEET.

E. MARKING FOR RECLAIMED WATER MAIN:

1. ALL RECLAIM WATERMAINS SHALL BE INSTALLED WITH A CONTINUOUS, INSULATED 12 GAUGE HIGH STRENGTH COPPER CLAD STEEL CONDUCTOR, INSULATED WITH A 30MIL MIN. HIGH DENSITY POLYETHYLENE INSULATION (PURPLE) WITH A BREAK LOAD OF 380 LBS. MIN. RATED FOR DIRECT BURIAL AND 30 VOLTS DIRECTLY ON TOP OF THE PIPE FOR LOCATION PURPOSES. IN ADDITION ALL PVC RECLAIM WATERMAINS SHALL BE A SOLID PURPLE COLOR. ALL DUCTILE IRON RECLAIM WATERMAINS 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.

F. IN ALL CASES WHERE REUSE LINES CROSS WATERMAINS, THE REUSE LINES SHALL BE DEFLECTED UNDER THE WATERMAINS MAINTAINING A MINIMUM VERTICAL SEPARATION OF 18".

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

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

8. VALVES:

A. BUTTERFLY VALVES ARE REQUIRED ON LINES GREATER THAN 42" IN DIAMETER.

B. VALVES LESS THAN 2":

VALVES SHALL BE REDUCED PORT BALL VALVES, MADE OF BRASS, CAST AND MACHINED IN ACCORDANCE WITH SPECIFICATIONS IN AWWA C800, AWWA C901, COMPLIANT WITH NSF-61 AND COMPATIBLE WITH POLYETHYLENE TUBING CONNECTIONS.

C. VALVE BOXES:

UNITS SHALL BE SCREW TYPE, CAST IRON, AND A MINIMUM DIAMETER OF 5" WITH COVER CAST WITH THE APPLICABLE INSCRIPTION IN LEGIBLE LETTERING ON THE TOP "WATER". BOXES SHALL BE SUITABLE FOR THE APPLICABLE SURFACE LOADING AND VALVE SIZE DOMESTIC ONLY AND SHALL BE MANUFACTURED BY TYLER COMPANY OR APPROVED EQUAL.

D. WASTEWATER AIR/VACUUM-RELEASE VALVE:

THE VALVE BODY SHALL BE OF CAST IRON ASTM A126-B; THE FLOAT, FLOOD GUIDE AND STEM SHALL BE OF STAINLESS STEEL TYPE 304. THE RESILIENT SEAT SHALL BE OF BUNA-N THE VALVE SHALL BE SUITABLE FOR 150 PSIg WORKING PRESSURE. VALVE SHALL BE STANDARD TWO (2) INCH NPT INLET AND OUTLET PORTS.

E. RESILIENT SEAT GATE VALVES:

VALVES SHALL BE RESILIENT SEAT WEDGE TYPE MEETING AWWA C509. VALVES SHALL BE FURNISHED WITH O-RING STEM SEALS USING 2 O-RINGS LOCATED ABOVE AND 1 O-RING LOCATED BELOW THE THRUST COLLAR. O-RINGS SHALL BE SET IN THE GROOVES IN THE STEM AND SHALL MEET THE REQUIREMENTS OF ASTM D429. INTERNAL AND EXTERNAL SURFACES OF THE VALVE BODY AND BONNET SHALL BE COATED WITH EPOXY TO AWWA C550 STANDARDS. GATES FOR ALL VALVE SIZES SHALL BE COMPLETELY ENCAPSULATED IN RUBBER INCLUDING STEM BORE. VALVES SHALL BE CAPABLE OF INSTALLATION IN ANY POSITION WITH RATED SEALING IN BOTH DIRECTIONS. VALVES SHALL BE STYLE 3067 AS MANUFACTURED BY M&H VALVE COMPANY OR APPROVED EQUAL.

F. RESILIENT TAPPING VALVES:

VALVES SHALL BE FURNISHED WITH THE DESIGN TAPPING FLANGE HAVING A RAISED FACE OR LIP DESIGNED TO ENGAGE THE CORRESPONDING RECESS IN THE TAPPING SLEEVE FLANGE IN ACCORDANCE WITH MSS SP60. TAPPING VALVES WITHOUT THE RAISED FACE ON THE TAPPING FLANGE ARE NOT PERMITTED SINCE THEY DO NOT ASSURE THE PROPER ALIGNMENT REQUIRED TO PREVENT DAMAGE BY A MISALIGNED SHELL CUTTER. THE INTERIOR OF THE WATERWAY IN THE BODY SHALL BE FULL OPENING AND CAPABLE OF PASSING A FULL SIZED SHELL CUTTER EQUAL TO THE NOMINAL DIAMETER OF THE VALVE SHALL BE METROSEAL AS MANUFACTURED BY U.S. PIPE OR APPROVED EQUAL.

G. BUTTERFLY VALVES (BFV):

VALVES SHALL BE CAST OR DUCTILE IRON BODY ALLOY, CAST IRON OR DUCTILE IRON DISC. VALVE SEAT SHALL BE 18.8 STAINLESS STEEL MADE INTEGRAL WITH THE VALVE BODY, SHAFT SIZE AND OTHER SPECIAL REQUIREMENTS SELECTED IN ACCORDANCE WITH THE SPECIFIC DESIGN AND SHALL COMPLY WITH PROVISIONS OF AWWA C504 RUBBER-SEATED BUTTERFLY VALVES". VALVE OPERATIONS SHALL BE APPROVED GEAR ACTUATORS, WITH SEALED ENCLOSURES FOR BURIED OR SUBMERGED SERVICE. UNITS SHALL BE EQUIPPED WITH ACTUATING NUTS, CAST IRON HANDWHEELS OR CHIN OPERATORS WITH GALVANIZED STEEL CHAINS, AS APPROPRIATE FOR THE INSTALLATION. VALVES SHALL BE STYLE 450 AS MANUFACTURED BY M&H VALVE COMPANY OR APPROVED EQUAL.

H. ALL AIR/VACUUM RELIEF VALVES MUST END IN A DOWN- ELBOW WITH AT LEAST 12 INCHES ABOVE THE SURROUNDING GRADE UNLESS THE WET SEASON WATER TABLE CAN BE SHOWN TO BE BELOW THE VAULT BOTTOM.

9. CONNECTION TO EXISTING LINES. TO WHICH PIPING OF THIS CONTRACT MUST CONNECT, THE FOLLOWING WORK SHALL BE PERFORMED.

A. EXPOSE BURIED LINES TO CONFIRM OR DETERMINE END CONNECTION, PIPE MATERIAL AND DIAMETER.

B. FURNISHING AND INSTALLING PIPING AND MAKING PROPER CONNECTIONS.

C. IF CONNECTION OF THE PROPOSED ACTIVITY TO THE WATER MAIN WILL RESULT IN A DEPRESSURIZATION OF THE EXISTING SYSTEM BELOW 20 POUNDS PER SQUARE INCH, ONE OF THE FOLLOWING MUST OCCUR:

1. PRECAUTIONARY BOIL WATER NOTICES MUST BE ISSUED IN CASES OF PLANNED DISTRIBUTION INTERRUPTIONS, WHICH ARE DEEMED AN IMMINENT PUBLIC HEALTH THREAT BY THE DEP CENTRAL DISTRICT OR WILL AFFECT THE BACTERIOLOGICAL QUALITY OF THE DRINKING WATER UNLESS THE PUBLIC WATER SYSTEM CAN DEMONSTRATE, BY SOUND ENGINEERING JUDGEMENT, THAT THE INTEGRITY OF THE WATER SYSTEM HAS BEEN MAINTAINED, OR

2. IN CASES OF BRIEF INTERRUPTION IN SERVICE, ADVISORIES (NOT BOIL WATER NOTICES) SHOULD BE ISSUED IF TEMPORARY CHANGES IN WATER QUALITY ARE EXPECTED TO OCCUR AND NOT DEEMED AN IMMINENT PUBLIC HEALTH RISK.

10. RESTRAINED JOINTS:

A. SECTIONS OF PIPING DESIGNATED ON THE DRAWINGS AS HAVING RESTRAINED JOINTS OR THOSE REQUIRING RESTRAINED JOINTS SHALL BE CONSTRUCTED USING PIPE AND FITTINGS WITH RESTRAINED "LOCKED - TYPE" JOINTS AND THE JOINTS SHALL BE CAPABLE OF HOLDING AGAINST WITHDRAWAL FOR LINE PRESSURES 50 PERCENT ABOVE THE NORMAL WORKING PRESSURE, BUT NOT LESS THAN 150 PSI. THE PIPE AND FITTINGS SHALL BE SHOWN FOR RESTRAINED PUSH-ON JOINTS OR RESTRAINED MECHANICAL JOINTS ON PAGE 416 IN SECTION VI, IN THE HANDBOOK OF CAST IRON PIPE, 4TH EDITION. MECHANICAL JOINT DUCTILE IRON PIPE RETAINER GLANDS WILL BE PERMITTED ONLY WHEN RESTRAINED JOINTS ARE NOT READILY AVAILABLE.

B. RESTRAINED PIPE JOINTS THAT ACHIEVE RESTRAINT BY INCORPORATING CUT OUT SECTIONS IN THE WALL OF THE PIPE SHALL HAVE A MINIMUM WALL THICKNESS AT THE POINT OF CUT OUT THAT CORRESPONDS WITH THE MINIMUM SPECIFIED THICKNESS FOR THE REST OF THE PIPE.

C. THE MINIMUM NUMBER OF RESTRAINED JOINTS REQUIRED FOR RESISTING FORCES AT FITTINGS AND CHANGES IN DIRECTION OF PIPE SHALL BE DETERMINED FROM THE LENGTH OF THE RESTRAINED PIPE ON EACH SIDE OF FITTINGS AND CHANGES IN DIRECTION NECESSARY TO DEVELOP RESISTING FRICTION WITH THE SOIL. THE FORMULA AND PARAMETERS GIVEN BELOW SHALL BE USED TO DETERMINE THE MINIMUM REQUIREMENTS.

D. BOLTS AND NUTS FOR RESTRAINED JOINTS SHALL BE CORTEN, LOW ALLOW, HIGH STRENGTH STEEL

E. THE CONTRACTOR SHALL ALSO PROVIDE RESTRAINED JOINTS IN ACCORDANCE WITH THE ABOVE CRITERIA WHENEVER THRUST BLOCKS ARE NOT USED IN CONNECTION WITH BELOW GROUND FITTINGS ON LINES 6 INCHES IN DIAMETER OR LESS AND AS APPROVED BY THE ENGINEER.

11. PRESSURE AND LEAKAGE TEST OF UNDERGROUND PRESSURE PIPING:

A. HYDROSTATIC PRESSURE AND LEAKAGE TEST SHALL CONFORM TO SECTION 4 OF AWWA C605-94 SPECIFICATION WITH THE EXCEPTION THAT THE CONTRACTOR SHALL FURNISH ALL GAUGES, METERS, PRESSURE PUMPS AND OTHER EQUIPMENT NEEDED TO TEST THE LINE. POTABLE WATER PIPES WILL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH SPECIFICATION NUMBERS C600 AND C605/M23 FOR DUCTILE IRON AND PVC PIPES, RESPECTIVELY.

B. THE PRESSURE REQUIRED FOR THE FIELD HYDROSTATIC PRESSURE TEST SHALL BE 50 PERCENT ABOVE THE NORMAL WORKING PRESSURE BUT NOT LESS THAN 150 PSI. THE CONTRACTOR SHALL PROVIDE TEMPORARY PLUGS AND BLOCKING NECESSARY TO MAINTAIN THE REQUIRED TEST PRESSURE. CORPORATION COCKS AT LEAST 3/4" IN DIAMETER, PIPE RISER AND ANGLE GLOBE VALVES SHALL BE PROVIDED AT EACH PIPE DEAD-END IN ORDER TO BLEED AIR FROM THE LINE. DURATION OF PRESSURE TEST SHALL BE AT LEAST TWO HOURS WITH NO DROP IN TEST PRESSURE. THE COST OF THESE ITEMS SHALL BE PAID BY THE CONTRACTOR.

C. THE LEAKAGE TEST SHALL BE CONDUCTED FOLLOWING THE PRESSURE TEST AND SHALL BE OF NOT LESS THAN 2 HOURS DURATION. ALL LEAKS EVIDENT AT THE SURFACE SHALL BE REPAIRED AND LEAKAGE ELIMINATED REGARDLESS OF TOTAL LEAKAGE AS SHOWN BY TEST. LINES WHICH FAIL TO MEET TESTS SHALL BE REPAIRED AND RETESTED AS NECESSARY UNTIL TEST REQUIREMENTS ARE COMPILED WITH. DEFECTIVE MATERIALS, PIPES, VALVES AND ACCESSORIES SHALL BE REMOVED AND REPLACED. THE PIPE LINES SHALL BE TESTED IN SUCH SECTIONS AS MAY BE DIRECTED BY THE ENGINEER BY SHUTTING VALVES OR INSTALLING TEMPORARY PLUGS AS REQUIRED. THE LINES SHALL BE FILLED WITH WATER ALL AIR REMOVED AND THE TEST PRESSURE SHALL BE MAINTAINED IN THE PIPE FOR THE ENTIRE TEST PERIOD BY MEANS OF A FORCE PUMP TO BE FURNISHED BY THE CONTRACTOR. ACCURATE MEANS SHALL BE PROVIDED FOR MEASURING THE WATER REQUIRED TO MAINTAIN THIS PRESSURE. THE AMOUNT OF WATER REQUIRED IS A MEASURE OF THE LEAKAGE.

D. THE AMOUNT OF LEAKAGE WHICH WILL BE PERMITTED SHALL BE IN ACCORDANCE WITH AWWA C600 STANDARDS FOR ALL PRESSURE. NO PIPE INSTALLATION SHALL BE ACCEPTED IF THE LEAKAGE IS GREATER THAN THE FOLLOWING FORMULAS:

$$L = \frac{S*D*(P)^{1/2}}{148,000}$$

THIS FORMULA SHALL BE USED FOR DUCTILE IRON PIPE (DIP).

WHERE: L = ALLOWABLE LEAKAGE (GAL/HOUR)
S = LENGTH OF PIPE TESTED (LINEAR FEET)
D = NOMINAL DIAMETER OF PIPE (INCHES)
P = AVERAGE TEST PRESSURE (PSI)

P = 150 PSI FOR WATERMAINS
P = 100 PSI FOR FORCEMAINS

E. THE CONTRACTOR MUST SUBMIT HIS PLAN FOR TESTING TO THE ENGINEER FOR REVIEWAT LEAST TEN (10) DAYS BEFORE STARTING THE TEST. THE CONTRACTOR SHALL REMOVE AND ADEQUATELY DISPOSE OF ALL BLOCKING MATERIAL AND EQUIPMENT AFTER COMPLETION AND ACCEPTANCE OF THE FIELD HYDROSTATIC TEST, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ANY DAMAGE TO THE PIPE COATING SHALL BE REPAIRED BY THE CONTRACTOR. LINES SHALL BE TOTALLY FREE AND CLEAN PRIOR TO FINAL ACCEPTANCE.

12. DISINFECTING:

PRIOR TO ACCEPTANCE OF THE LINES, AND PRIOR TO USE OF SAID MAINS FOR DOMESTIC PURPOSES, THE CONTRACTOR SHALL FLUSH THE LINE CLEAR OF FOREIGN MATERIAL AND THEN STERILIZE THE PIPELINE, INCLUDING ALL VALVES AND FITTINGS, IN ACCORDANCE WITH AWWA C651.

13. CHLORINATION:

THE CHLORINATING AGENT SHALL BE APPLIED AT THE BEGINNING OF THE SECTION ADJACENT OT THE FEEDER CONNECTION AND SHALL BE INJECTED THROUGH A CORPORATION COCK, HYDRANT OR OTHER CONNECTION INSURING TREATMENT OF THE ENTIRE LINE. THE CHLORINATING AGENT SHALL BE ANY COMPOUND SPECIFIED BY SAID AWWA C651 REQUIREMENTS, SUCH AS "HTH" OR OTHER APPROVED CHLORINE-BEARING COMPOUNDS. WATER SHALL BE FED SLOWLY INTO THE NEW LINE WITH CHLORINE APPLIED IN AMOUNTS TO PRODUCE A DOSAGE OF 40 TO 50 PPM AND A RESIDUAL OF NOT LESS THAN 50 PPM IN ALL PARTS OF THE LINE AFTER A 24 HOUR PERIOD HAS ELAPSED. DURING CHLORINATION PROCESS, OPERATE ALL VALVES AND ACCESSORIES.

14. FLUSHING THE WATER LINE:

CARE SHALL BE TAKEN TO PROVIDE DISINFECTIONS TO THE TOTAL SYSTEM AND EXTREMITIES SHALL BE CAREFULLY FLUSHED TO ACCOMPLISH THIS END.

15. FIRE HYDRANTS:

SHALL BE 5-1/4' VALVE OPENING, 42" BURY, 6" MJ SHOE, BRONZE TO BRONZE SEATING, DUCTILE IRON DIRT WEATHER SHIELD, SHOE, UPPER AND LOWER BARREL SHALL BE FUSION COATED PER AWWA C-550.81. DRY BARREL WITH ONE 4-1/2" PUMPER NOZZLE AND TWO 2-1/2' HOSE NOZZLE 1-1/2" PENTAGON N.S.T. RED PAINT FOR WEEP HOLES PLUGGED HYDRANT MEET AWWA C-502.85 AND UL/FM REQUIREMENTS. HYDRANTS SHALL BE MODEL K81A BY KENNEDY, B84B BY AMERICAN DARLING OR A-423 BY MUELLER.

16. BLOWOFF HYDRANT:

SHALL BE BOX HYDRANTS HAVING A 2" MAIN VALVE CLOSING WITH THE WATER PRESSURE. 2" FIP INLET WITH THE OUTLET BEING A 2" BRONZE MAIL NOZZLE, ALL WORKING PARTS BRONZE, OPEN TO THE LEFT, REMOVABLE BRONZE SEAT WHICH SEALS AGAINST A SEAT RUBBER OF NO LESS DUROMETER THAN 85 WITH LOCKABLE IRON LIDS. BLOWOFF HYDRANTS SHALL BE ECLIPSE MODEL NO. 85B AS MANUFACTURED BY KUPFERLE FOUNDRY COMPANY OR APPROVED EQUAL.

17. LEAKAGE TEST FOR GRAVITY SANITARY SEWERS:

A. LEAKAGE TEST SHALL BE THE LOW PRESSURE AIR TEST OR LEAKAGE AND/OR INFILTRATION; IN GENERAL, LEAKAGE AND/OR INFILTRATION TEST MAY BE REQUIRED IN AREA WITH GROUNDWATER. MAXIMUM INFILTRATION IS 0.2 GALLONS PER HOUR, PER INCH DIAMETER, PER 100 FEET. MANHOLE MAY BE TESTED SIMULTANEOUSLY WITH HYDROSTATIC TEST. BY FILLING MANHOLE WITH WATER TO AN ELEVATION 1 FOOT BELOW THE START OF THE CONE SECTION WITH A MINIMUM DEPTH OF 20 FEET WHERE THE MANHOLES ARE TESTED WITH THE SEWER LINE NO ADDITIONAL LEAKAGE WILL BE ALLOWED ABOVE THAT FOR THE MAINLINE SEWER. THE MAXIMUM ALLOWABLE DROP IN THE WATER SURFACE SHALL BE 1/2 INCH FOR EACH 15 MINUTES PERIOD OF TESTING.

B. THE AIR LEAKAGE TEST 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 ASSN. PASSING THIS TEST, SHALL BE PRESUMED TO ESTABLISH LEAKAGE TEST LIMITS OF 50 GALLONS PER DAY PER INCH DIAMETER PER MILE SEWER.

C. INTERNAL VIDEO INSPECTION FOR THE GRAVITY SEWER SHALL BE PERFORMED BY THE CONTRACTOR TO CHECK FOR ALIGNMENT AND DEFLECTION. THE TELEVISION INSPECTION SHALL ALSO BE USED TO CHECK FOR CRACKED, BROKEN OR OTHERWISE DEFECTIVE PIPE, AND OVERALL PIPE INTEGRITY. VIDEO INSPECTION SHALL BE CONDUCTED IN ACCORDANCE WITH CHAPTER 7.5.3.2 OF THE LAND DEVELOPMENT CODE AND SHALL BE PROVIDED TO THE CITY OF ALTAMONTE SPRING FOR REVIEW BY THE PUBLIC WORKS DEPARTMENT PRIOR TO ACCEPTANCE.

18. FILLING OF PROPOSED WATER MAINS FROM EXISTING WATER PURSUANT MAINS WILL BE DONE IN ACCORDANCE WITH AWWA SPECIFICATION C651.

NOTE TO THE UTILITY:

19. PURSUANT TO RULE 403.859(6), FLORIDA STATUTES, DO NOT PROVIDE WATER SERVICE TO THIS PROJECT (OTHER THAN FLUCHING/TESTING) UNTIL THE DEPARTMENT OF ENVIRONMENTAL PROTECTION HAS ISSUED A LETTER OF CLEARANCE OR THE UTILITY, SHALL BE SUBJECT TO ENFORCEMENT ACTION.

PERMIT TRANSFER:

20. THE PERMITTEE WILL PROMPTLY NOTIFY THE DEPARTMENT UPON SALE OR LEGAL TRANSFER OF THE PERMITTED FACILITY. IN ACCORDANCE WITH GENERAL CONDITION #11 OF THIS PERMIT, THIS PERMIT IS TRANSFERABLE ONLY UPON DEPARTMENT APPROVAL. THE NEW OWNER MUST APPLY, BY LETTER, FOR A TRANSFER OF PERMIT WITHIN 30 DAYS.

21. THE PERMITTEE SHALL BE SEPARATELY RESPONSIBLE FOR APPROPRIATE CONSTRUCTION, DISINFECTION AND TESTING BEYOND THE METER TO ASSURE POTABILITY AT THE POINT OF USE.

HORIZONTAL SEPARATION REQUIREMENTS (NOTES 1 & 2)

PROPOSED UTILITY		POTABLE WATER (NOTE 3)		RECLAIMED WATER MAIN (SEE NOTE 7)		WASTEWATER FORCEMAIN		SANITARY SEWER	STORM SEWER	STRUCTURAL FOUNDATION, WALLS, ETC. (SEE NOTE 8)
		4"-12"	16"-UP	4"-12"	16"-UP	4"-12"	16"-UP	ALL SIZES	ALL SIZES	ALL SIZES
POTABLE WATER (NOTE 3)	4"-12"	3'	5'	3'	5'	6'	6'	6'	3'	10'
	16"-UP	5'	5'	5'	5'	6'	6'	6'	5'	15' (NOTE 5)
RECLAIMED WATER MAIN (SEE NOTE 7)	4"-12"	3'	5'	3'	5'	3'	5'	3'	3'	10'
	16"-UP	5'	5'	5'	5'	5'	5'	5'	5'	15' (NOTE 5)
WASTEWATER FORCEMAIN	4"-12"	6'	6'	3'	5'	3'	5'	3'	3'	10'
	16"-UP	6'	6'	5'	5'	5'	5'	5'	5'	15' (NOTE 5)
SANITARY SEWER	ALL SIZES	6'	6'	3'	5'	3'	5'	3'	5'	VARIES PER DEPTH

NOTES:
1. DISTANCES GIVEN ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
2. THIS SEPARATION REQUIREMENT IS TO PROVIDE ACCESSIBILITY FOR CONSTRUCTION AND MAINTENANCE. FOR PIPES INSTALLED AT GREATER DEPTHS THAN THE MINIMUM OCU DESIGN STANDARDS, PROVIDE AN ADDITIONAL FOOT OF SEPARATION FOR EACH ADDITIONAL FOOT OF DEPTH.
3. THIS SEPARATION REQUIREMENT COMPLIES WITH THE MINIMUM FDEP SEPARATION REQUIREMENTS OUTLINED IN 62-555.314, FAC. VARIANCES FROM THE FDEP REQUIREMENTS MUST COMPLY WITH 62-555.314(5), FAC AND MUST BE APPROVED INDIVIDUALLY BY BOTH FDEP AND UTILITIES PRIOR TO INSTALLATION.
4. NO WATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF SANITARY OR STORM WATER MANHOLE OR STRUCTURE.
5. PRESSURE MAINS 16-IN TO 24-IN MAY HAVE 10-FT SEPARATION FROM STRUCTURAL FOUNDATION, WALLS, ETC IF NEW MAINS ARE RESTRAINED FOR THE ENTIRE LENGTH.
6. REFERENCE FIGURE **BELOW** FOR VERTICAL PIPELINE SEPARATION REQUIREMENTS.
7. RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
8. ADDITIONAL SEPARATION SHALL BE REQUIRED BY UTILITIES FOR CONSTRUCTION OF, INCLUDING, BUT NOT LIMITED TO: LIVE LOADS, MULTI-STORY COMMERCIAL BUILDINGS, SUPERSTRUCTURES, EMBANKMENTS, RETAINING WALLS, BRIDGES, RAILROADS, HIGH VOLTAGE TRANSMISSION MAINS, GAS MAINS, ETC.

VERTICAL SEPARATION REQUIREMENTS (NOTES 1 & 2)

PROPOSED UTILITY	POTABLE WATER (NOTE 4)	RECLAIMED WATER MAIN	WASTEWATER FORCEMAIN	SANITARY SEWER	STORM SEWER (NOTE 3)
POTABLE WATER (NOTE 4)	12"	12"	12" / 18"	12" / 18"	12" / 18"
RECLAIMED WATER MAIN	12"	12"	12"	12"	12" / 18"
WASTEWATER FORCEMAIN	12"	12"	12"	12"	12" / 18"
SANITARY SEWER	12" / 18"	12"	12"	12"	12" / 18"

NOTES:
1. DISTANCES GIVEN ARE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
2. THIS SEPARATION REQUIREMENT IS TO PROVIDE ACCESSIBILITY FOR CONSTRUCTION AND MAINTENANCE.
3. THE 18-IN SEPARATION REQUIREMENT APPLIES WHEN THE STORM PIPE OR SANITARY SEWER CROSSES ABOVE THE UTILITY MAIN, AND WHEN THE STORM PIPE HAS A DIAMETER EQUAL TO OR GREATER THAN 24-IN. OTHERWISE, THE REQUIRED SEPARATION IS 12-IN.
4. THIS SEPARATION REQUIREMENT COMPLIES WITH THE MINIMUM FDEP SEPARATION REQUIREMENTS OUTLINED IN 62-555.314, FAC. VARIANCES FROM THE FDEP REQUIREMENTS MUST COMPLY WITH 62-555.314(5), FAC AND MUST BE APPROVED INDIVIDUALLY BY BOTH FDEP AND UTILITIES.
5. NO WATER PIPE SHALL PASS THROUGH OR COME IN CONTACT WITH ANY PART OF SANITARY OR STORM WATER MANHOLE OR STRUCTURE.
6. REFERENCE FIGURE ABOVE FOR HORIZONTAL PIPELINE SEPARATION REQUIREMENTS.
7. AT THE UTILITY CROSSINGS DESCRIBED ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. 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, 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.

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Utility Notes

Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Sorrento Ave. & Graff Ct & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	####	
10	####	

SHEET NUMBER
4 OF 61

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Boundary & Topographic Survey

Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Serenis Ave. & Graffiti & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 115' Deep
9	Reserved	
10	Reserved	

SHEET NUMBER
5 OF 61

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Boundary & Topographic Survey 2

Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Serrano Ave. & Graffiti & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 122' Deep
9	Add'l	
10	Add'l	

SHEET NUMBER
6 OF 61

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Boundary & Topographic Survey 3

Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Serenis Ave. & Graffiti & Construction Modification
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 132' Deep
9	#N/A	
10	#N/A	

SHEET NUMBER
7 OF 61

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Boundary & Topographic Survey 4

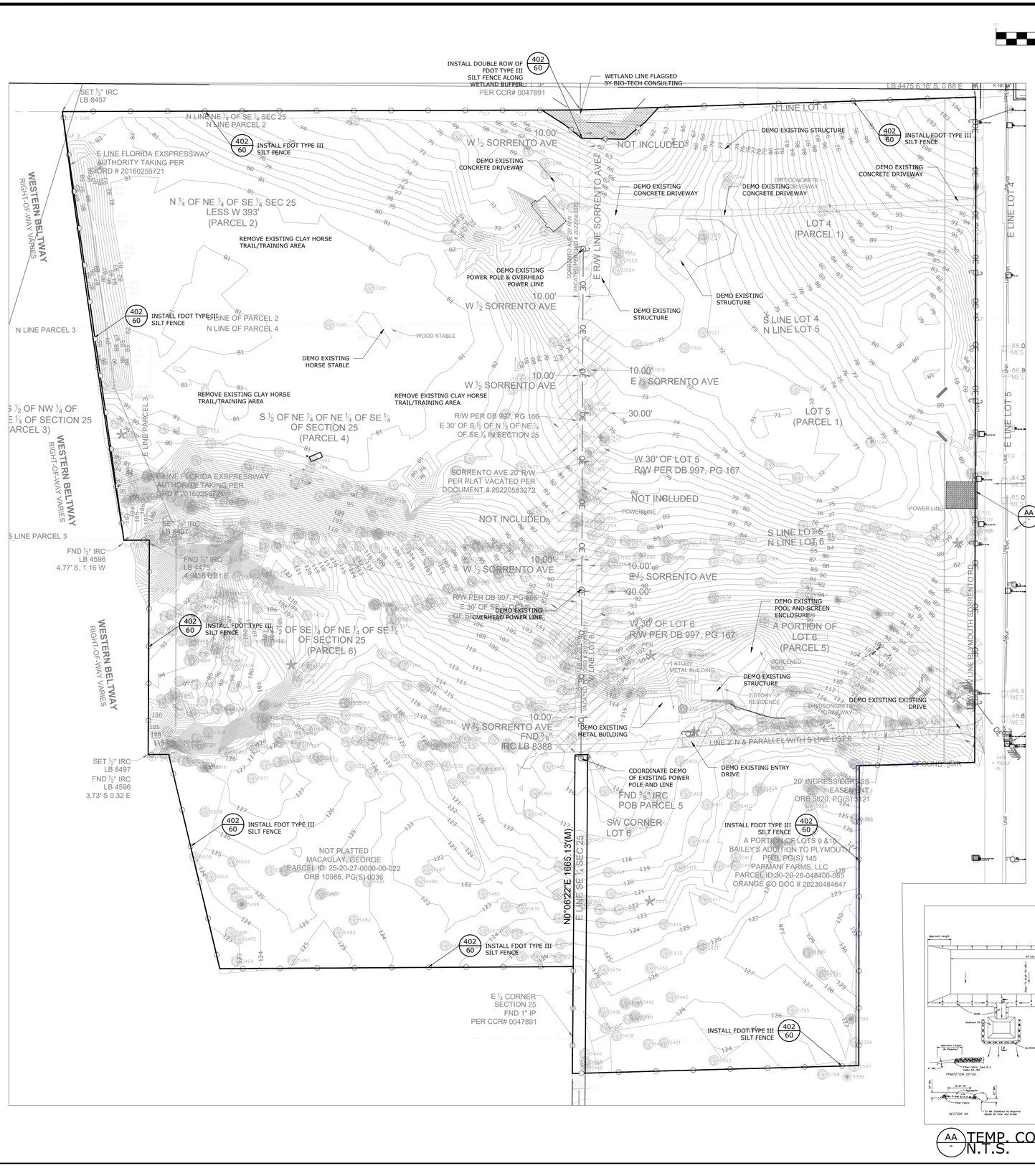
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Serenity Ave. & Graffiti & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 122' Deep
9	mm/dd/yy	
10	mm/dd/yy	

SHEET NUMBER
8 OF 61



AA TEMP. CONSTRUCTION ENTRY DETAIL N.T.S.

EROSION & SEDIMENT CONTROL NOTES:

01. BECAUSE OF THE PROJECT'S PROXIMITY TO ADJACENT LAKES, CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE EROSION, TO RETAIN SEDIMENT WHICH UNAVOIDABLY WILL RESULT FROM ONSITE CONSTRUCTION ACTIVITIES, TO PREVENT SEDIMENTATION AND OTHERWISE PROTECT ONSITE WETLANDS WHICH ARE TO BE RETAINED. THE BASIC PRINCIPLES DESCRIBED HEREIN ARE INTENDED TO DEFINE THE DEVELOPER'S INTENT AND REQUIRE THE CONTRACTOR TO SATISFY THE SPECIFIC REQUIREMENTS OF GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK.

02. THE SCHEDULING, SEQUENCING AND CONTROL MEASURES, WHICH ARE OUTLINED HEREIN, ARE SUBJECT TO FINAL DEFINITION BY THE CONTRACTOR WHO WILL BE RESPONSIBLE FOR IMPLEMENTATION AND COMPLIANCE.

03. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT A CONSTRUCTION SCHEDULE DEPICTING EACH PHASE OF THE WORK. THE CONTRACTOR SHALL ALSO BE REQUIRED TO SUBMIT AN EROSION AND SEDIMENT CONTROL PLAN TO THE OWNER, THE ENGINEER AND ORANGE COUNTY ENCOMPASSING THE CONTRACTOR'S EXACT PLAN OF IMPLEMENTING THE PRINCIPLES AND THE REQUIREMENTS DESCRIBED HEREIN. NO CONSTRUCTION CAN BEGIN UNTIL SAID PLAN HAS BEEN APPROVED BY THE APPROPRIATE LOCAL AGENCY.

04. DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO ENSURE AGAINST POLLUTING, SILTATION OR DISTURBANCE TO SUCH AN EXTENT AS TO CAUSE AN INCREASE IN TURBIDITY TO THE ADJACENT WATER BODIES IN COMPLIANCE WITH ALL PERMIT REQUIREMENTS RELATED TO SUCH MEASURES.

05. EROSION CONTROL METHODS SHALL INCLUDE TEMPORARY CONTROL STRUCTURES SUCH AS SEDIMENT BASINS, SEDIMENT CHECKS, SILT BARRIERS, SILT SCREENS, TURBIDITY BARRIERS OR THEIR BEST MANAGEMENT PRACTICE AVAILABLE TO THE INDUSTRY.

06. EROSION AND SEDIMENT CONTROL INSTALLATIONS SHALL BE MAINTAINED BY CONTRACTOR THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL NEW VEGETATIVE GROWTH HAS BEEN ESTABLISHED.

07. THROUGHOUT THE CONSTRUCTION PERIOD, THE CONTRACTOR SHALL DAILY INSPECT PROTECTIVE INSTALLATIONS FOR FAILURES OR SIGNS OF FAILURE OR MALFUNCTION AND EFFECT REPAIRS OR REPLACEMENT IMMEDIATELY UPON DISCOVERY.

08. THE RECOMMENDED GENERAL SEQUENCE OF CONSTRUCTION FOR ALL BASINS IS AS FOLLOWS:

A. PLACEMENT OF PERIMETER PROTECTIVE MEASURES (SILT FENCE, ECT.) AROUND ONSITE LAKES, AT POINTS OF OFFSITE DISCHARGE, AND AROUND WORK AREAS.

B. REROUTE RUNOFF FROM AREAS OUTSIDE OF THE DEVELOPMENT AREA TO MINIMIZE FLOW THROUGH AREAS TO BE DISTURBED BY CONSTRUCTION. BERMS, SWALES AND OTHER MEANS USED FOR SUCH CONVEYANCE SHALL BE VEGETATED AND MEASURES TAKEN TO PROVIDE PROTECTION UNTIL STABILIZATION HAS BEEN ESTABLISHED.

C. SELECT LOCATIONS FOR PLACEMENT OF MATERIAL, WHETHER SUITABLE FOR FILL OR UNSUITABLE, AND CONSTRUCT CONTAINMENT BERMS AROUND THE AREA. THE USE OF STRIPPINGS FOR THIS PURPOSE MAY ACCELERATE BERM REVEGETATION. CONSTRUCT TEMPORARY OUTLETS FROM CONTAINMENT AREAS WITH SCREENS, HAY BALES, SETTLING BASINS OR OTHER MEASURES TO PREVENT SILT TRANSPORTATION.

D. SELECT/DESIGNATE ACCESS ROUTING FOR CONSTRUCTION EQUIPMENT AND VEHICLES AND PROVIDE PERIMETER PROTECTIVE MEASURES WHERE EXISTING TERRAIN WILL BE SUBJECT TO DISRUPTION BY SUCH TRAFFIC.

E. IF REQUIRED, CONSTRUCT ABOVE GROUND OR OTHER CONTAINMENT AREAS FOR CONSTRUCTION AREA RUNOFF. PROVIDE SCREENS, ECT. TO FILTER DISCHARGE FROM THESE AREAS. F. GRASSING, SODDING, ETC. SHALL BE IN PLACE IMMEDIATELY UPON COMPLETION OF DISTURBED AREAS WITHIN PROJECT AREA. 6. IN ANY EVENT, CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING ANY AND ALL MEASURES ARE TAKEN TO COMPLY WITH LOCAL, STATE, FEDERAL AND OWNER REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION.

EROSION & SEDIMENT CONTROL NOTES (con't):

09. BAHIA SOD REQUIRED AROUND ALL STORM INLETS IN UNPAVED AREAS.

10. THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY HAS AUTHORIZED THE STATE OF FLORIDA TO ADMINISTER THE NATIONAL POLLUTANTS DISCHARGE ELIMINATION SYSTEM (NPDES). CONTRACTOR IS ADVISED THAT OPERATORS ARE REQUIRED TO FILE WITH FDEP A NOTICE OF INTENT TO USE THE GENERIC PERMIT FOR STRORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES THAT DISTURB ONE OR MORE ACRES OF LAND. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO SUBMIT THE NOTICE OF INTENT (NOI) TO FDEP WITH A COPY TO THE OWNER, THE ENGINEER AND THE (CITY/COUNTY) AT LEAST 48 HOURS BEFORE INITIATING CONSTRUCTION.

11. AS REQUIRED BY THE GENERIC PERMIT, CONTRACTOR SHALL PREPARE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PURSUANT TO ALL REQUIRMENTS OF THE GENERIC PERMIT.

12. PURSUANT TO THE NPDES, CONTRACTOR SHALL MAINTAIN RECORDS OF DATES WHEN MAJOR GRADING ACTIVITIES TEMPORARILY OF PERMANENTLY CEASE AND SHALL INITIATE STABILIZATION MEASURES WITHIN 7 DAYS AFTER SUCH TEMPORARY OR PERMANANT CESSATION OF CONSTRUCTION ACTIVITY. STABILIZATION REQUIREMENTS (SODDING WHERE SHOWN ON THE PLANS, SEEDING AND MULCHING ELSWHERE) APPLY TO ALL AREAS DISTURBED BY CONSTRUCTION, ONSITE AND OFF-SITE. SEEDING SHALL BE DONE PER THE MANUFACTURER'S RECOMMENDATIONS, AFTER SEEDING EACH AREA SHALL BE MULCHED WITH 4,000 LBS OF STRAW PER ACRE. IF AREAS SEEDED DO NOT OBTAIN A 70% COVERAGE WITH THE FIRST SEEDING, THEN ANOTHER SEED APPLICATION WILL BE REQUIRED TO FILL IN AREAS NOT COVERED IN THE FIRST APPLICATION.

13. CONTRACTOR SHALL PROVIDE INSPECTIONS BY QUALIFIED PERSONNEL OF ALL POINTS OF DISCHARGE, DISTURBED AREAS NOT YET FINALLY STABILIZED, STORAGE AREAS EXPOSED TO RAINFALL, STRUCTUREAL CONTROLS AND VEHICULAR ACCESS LOCATIONS. INSPECTIONS SHALL BE MADE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER.

14. CONTRACTOR SHALL MAINTAIN A COPY OF THE SWPPP AT THE SITE FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.

15. CONTRACTOR SHALL AMEND THE SWPPP WHENEVER THERE IS A CHANGE IN DESIGN, CONTRUCTON, OPERATION OF MAINTENANCE THAT MAY HAVE A SIGNIFICANT EFFECT ON THE POTENTIAL FOR OFF-SITE DISCHARGE OF POLLUTANTS, INCLUDING THE ADDITION OF OR CHANGE IN LOCATION OF DISCHARGE POINTS AND REVISION TO CONTROLS WHICH MAY HAVE PROVED TO BE INEFFECTIVE.

16. CONTRACTOR SHALL REMAIN RESPONSIBLE FOR OPERATION AND MAINTENANCE OF POLLUTION PROTECTION MEASURES UNTIL CONSTRUCTION HAS BEEN COMPLETED IN SUBSTANTIAL CONFORMANCE WITH THE CONTRACT PLANS, CERTIFIED AS SUCH BY THE ENGINEER AND ACCEPTED BY THE (CITY/COUNTY), WHETHER OR NOT CONTRACTOR HAS SUBMITTED A NOTICE OF TERMINATION (NOT) TO FDEP.

17. IF CONTRACTOR PROPOSES TO DISCHARGE DEWATERING EFFLUENT OFF-SITE, HE SHALL COMPLY WITH FDEP'S "GENERIC PERMIT FOR DISCHARGE OF PRODUCED GROUND WATER FROM ANY NON-CONTAMINATED SITE ACTIVITY". PERMIT REQUIRMENTS CAN BE OBTAINED FROM FDEP AT (407)894-7555 EXT. 3985. THIS PERMIT IS INDEPENDENT OF AND IN ADDITION TO WATER MANAGEMENT DISTRICTS' PERMITS FOR CONSTRUCTION DEWATERING.

TURBIDITY MONITORING REQUIRED:

DESCRIPTION: TURBIDITY EXPRESSED IN NEPHELOMETRIC TURBIDITY UNITS (NTU).

LOCATION: BACKGROUND-SAMPLES SHALL BE TAKEN 200 FEET UPSTREAM OF ANY CONSTRUCTION ACTIVITY WITHIN SURFACE WATERS OF THE STATE.

COMPLIANCE: SAMPLES SHALL BE TAKEN 200 FEET DOWNSTREAM OF THE CONSTRUCTION ACTIVITIES ADJACENT TO OR WITHIN WATERS OF THE STATE.

FREQUENCY: TWICE DAILY, WITH AT LEAST A FOUR HOUR INTERVAL, DURING ALL WORK AUTHORIZED BY THIS PERMIT.

DURATION: MONITORING SHALL BEGIN ON THE FIRST DAY OF CONSTRUCTION FOR ALL ACTIVITIES AND MAY BE DISCONTINUED UPON PERMANENT STABILIZATION OF ALL DISTURBED SOILS.

STANDARDS & REPORTING: THE MONITORING DATA MUST DEMONSTRATE THAT TURBIDITY AT THE COMPLIANCE SITE IS LESS THAN OR EQUAL TO 29 NTU'S ABOVE NATURAL BACKGROUND FOR A PERIOD OF 7 CONSECUTIVE DAYS AFTER COMPLETION OF CONSTRUCTION. ALL MONITORING DATA SHALL BE READ AND RECORDED DAILY, AND SUBMITTED TO THE OWNERS AUTHORIZED REPRESENTATIVE (O.A.R.) BY 5:00 P.M. EACH FRIDAY. IF AT ANY TIME THE TURBIDITY EXCEEDS BACKGROUND BY MORE THAN 29 NTU'S, ALL CONSTRUCTION ACTIVITIES SHALL BE HALTED, A WRITTEN REPORT FAXED TO THE DISTRICT POST PERMIT COMPLIANCE DEPARTMENT IN ORLANDO. MONITORING REPORTS SHALL ALSO INCLUDE THE FOLLOWING INFORMATION FOR EACH SAMPLE THAT IS TAKEN:

1. TIME OF DAY SAMPLES WERE TAKEN
2. DEPTH OF WATER BODY
3. DEPTH OF SAMPLES
4. ANTECEDENT WEATHER CONDITIONS
5. WIND DIRECTION AND VELOCITY; AND;
6. SAMPLE LOCATION MAP

CORRECTIVE ACTIONS: REMEDIAL MEASURES SHALL BE TAKEN IMMEDIATELY TO CORRECT THE PROBLEM. ACTIVITIES SHALL RESUME ONLY WITH THE CONFIRMATION FROM DISTRICT STAFF THAT THE SITUATION HAS BEEN RESOLVED.

G L SUMMITT ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Erosion Control Plan

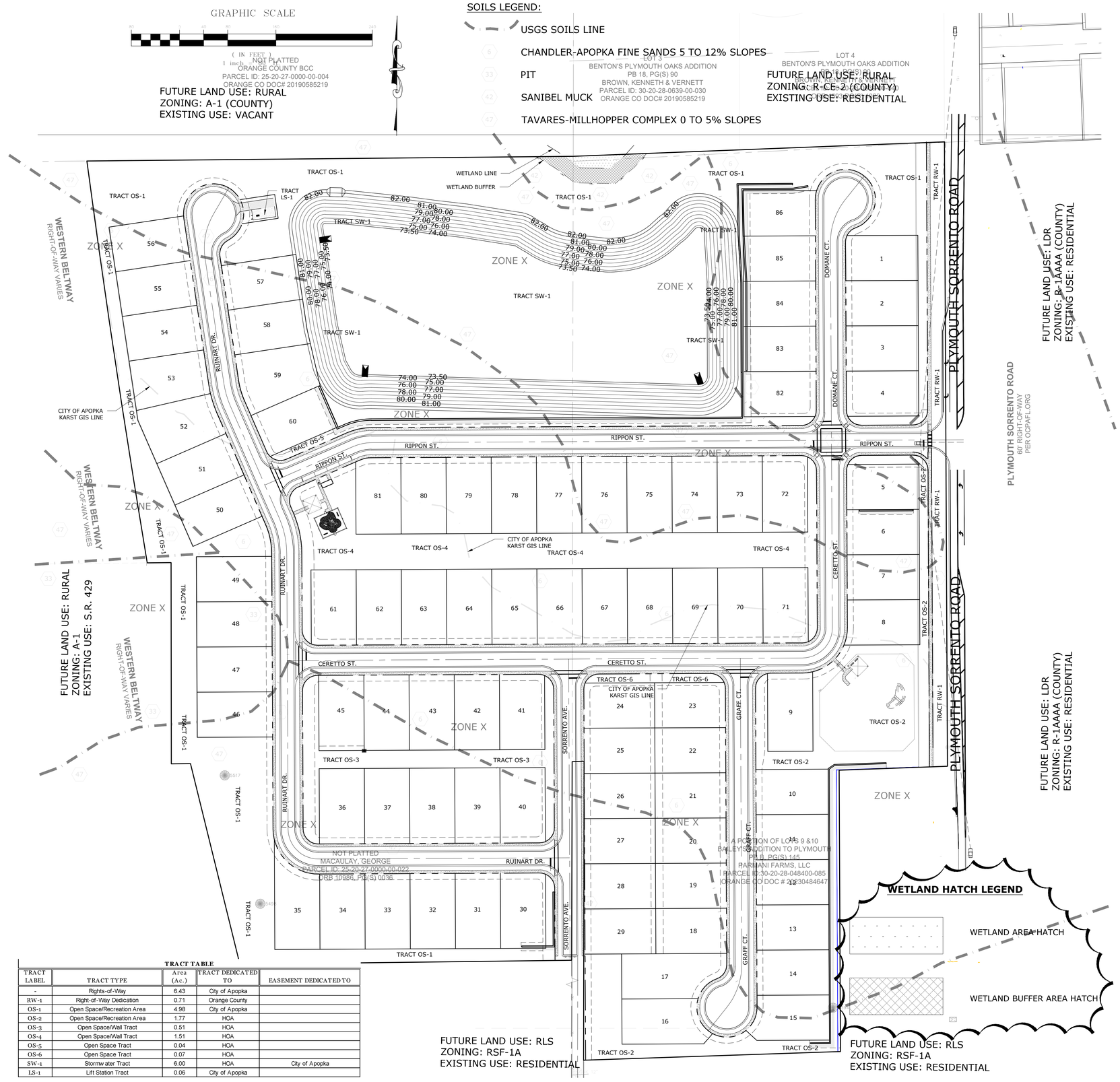
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/23	Initial Submittal
2	05/30/23	Revised For Orange County 'E' Permit Comments
3	06/30/23	Revised For St. Johns ERP & Apopka Comments
4	07/28/23	Revised For Apopka Comments
5	08/29/23	Revised For Apopka Comments
6	02/12/26	Revised Per Screens Ave. & Golf Ct & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grinder
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	#N/A	
10	#N/A	

SHEET NUMBER
9 OF 61



TRACT TABLE

TRACT LABEL	TRACT TYPE	Area (Ac.)	TRACT DEDICATED TO	EASEMENT DEDICATED TO
-	Rights-of-Way	6.43	City of Apopka	
RW-1	Right-of-Way Dedication	0.71	Orange County	
OS-1	Open Space/Recreation Area	4.98	City of Apopka	
OS-2	Open Space/Recreation Area	1.77	HOA	
OS-3	Open Space/Wall Tract	0.51	HOA	
OS-4	Open Space/Wall Tract	1.51	HOA	
OS-5	Open Space Tract	0.04	HOA	
OS-6	Open Space Tract	0.07	HOA	
SW-1	Stormw ater Tract	6.00	HOA	City of Apopka
LS-1	Lift Station Tract	0.06	City of Apopka	

SITE DATA:

Parcel I.D. #: 25-20-27-0000-00-008; 021; 022
30-20-28-0484-00-040; 060; 085

Property FLU: RLS
Property Zoning: RSF-1B

Gross Land Area:	40.55 acres
Lakes/Wetland Area:	0.03 acres
Gross Developable Area:	40.52 acres
Net Developable Area:	40.52 acres
Stormwater Management Area:	6.14 acres
Right-of-Way Area:	6.43 acres
Right-of-Way Dedication:	0.71 acres
Public Open Space Tracts:	7.08 acres
Proposed Residential Units:	86 Single-Family Detached Lots
Net Residential Density:	2.16 dwelling units/Net Developable Acre
Minimum Living Area:	1,600 sqft. (Heated/cooled space)RSF-1B
Maximum Building Height:	Two Stories, 35'
Minimum Lot Width:	75' (RSF-1B)
Minimum Lot Depth:	N/A
Minimum Lot Size:	8,000 (RSF-1B)
Maximum Lot Coverage:	60%
Minimum Open Space %:	25%

Setbacks:

Front:	25' (RSF-1B)
Side:	10' (RSF-1B)
Side Street:	25' (RSF-1B)
Rear:	25' (RSF-1B)

Open Space Requirements:

Land Development Code (Residential 20%)
40.52ac. * .20 = 8.10 acres (required)
Open Space Provided:

Tract OS-1:	4.98 acres
Tract OS-2:	1.77 acres
Tract OS-3:	0.51 acres
Tract OS-4:	1.51 acres
Tract OS-5:	0.04 acres
Tract OS-6:	0.07 acres
Tract SW-1:	6.00 acres
Total:	14.88 acres (8.10 required)

Major Street Setbacks:

Plymouth Sorrento Road. 30' (setback from right-of-way line)

Additional Notes:

1. Billboards and pole signs shall be prohibited.
2. There is no proposed 100 yr. Flood Plain encroachment.
3. All Conservation Easements associated buffers area will be owned & maintained by the HOA with a development rights Easement dedicated to the City of Apopka via plat.
4. A Homeowner's Association will be created for maintenance and ownership of common area tracts as reflected in the tract table.
5. Fire Protection will be provided by City of Apopka in accordance with the 2023 Florida Fire Prevention Code.
6. The project will be constructed in a single phase.

Off-Street Parking:

Required Parking:

2.0 spaces per Unit (for Single-Family Residences):	(86 units x 2.0 spaces/unit) = 172
Total Required Parking:	172
Provided Parking:	
2 Garage Spaces per Unit:	172 spaces
2 Driveway Spaces per Unit:	172 spaces
Total Parking Provided:	344 spaces

Phasing:

This project is to be developed in a single phase.

Traffic:

Single-Family Residential: 86 d.u. * 9.57 trip/d.u. = 823 A.D.T.

Stormwater Management:

The project will meet the requirements of City of Apopka Land Development Code and the St. Johns River Water Management District.

School Age Population:

86 d.u. * .478 children/unit = 41 children

Needed Fire Flow (NFF): (Based on FFPC 2012 Edition Chapter 18 & Annex I)

Single-Family (less than 5,000 sqft.): 1,000 gpm

Water, Sewer and Solid Waste Demand:

Water Demand:
86 Units * 300 gallons/day = 25,800 gallons/day

Sewer Demand:
86 Units * 280 gallons/day = 24,080 gallons/day

Solid Waste Demand:
86 Units * 2.6 persons/unit * 4.3 Lb./person/day = 961 Lb/day

Recreational/Open Space Demand:
86 Units * 2.6 persons/unit /1,000 * 3.0 ac/1,000 persons = 0.67 ac.

Green Building Standards Points Allocation:

- Install a "cool roof" on a minimum of 50 percent of the dwelling units in a subdivision. The cool roof shall cover the entire roof of the building. Install a "cool roof" on a minimum of 50 percent of the buildings in a multi-building development. The cool roof shall cover the entire roof of the building: 1.50 points
- Installation of Energy Star HVAC: 0.50 points
- Use Vegetation or Vegetated Structures to shade HVAC Units: 0.25 points
- Pre-Wire a Minimum of 75 percent of residential dwelling units in the development for solar panels: 1.50 points
- Install Operable Windows to Allow for Natural Ventilation in the event of power failures: 0.25 points

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Overall Site Plan

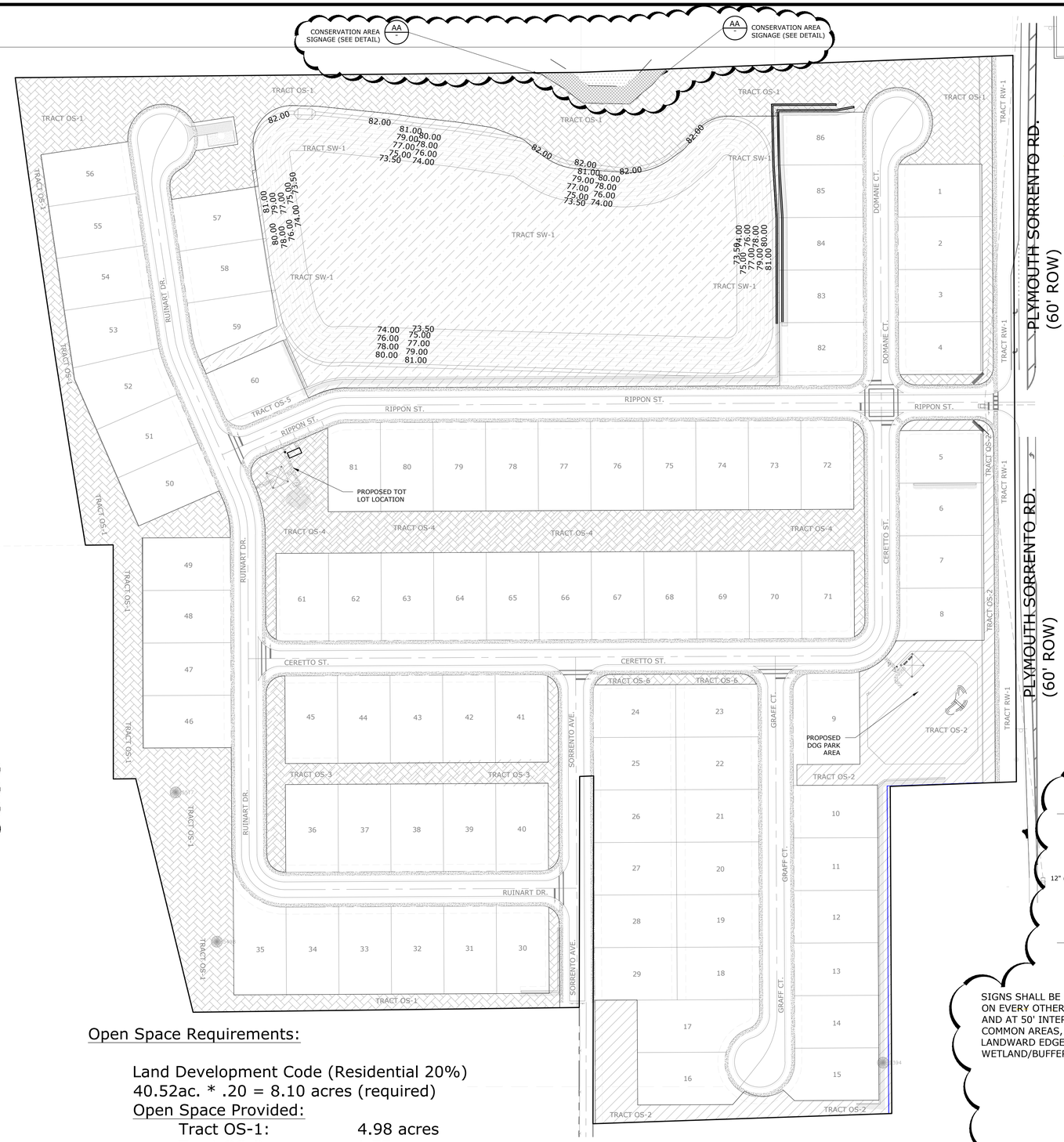
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/26/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Screen Acc. & Graff Ct & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	####	
10	####	

SHEET NUMBER
10 OF 61



WETLAND SITE DATA:

Gross Land Area:	40.55 acres
Wetland Area:	0.03 acres
Surface Waters:	0.00 acres
Proposed Wetland Impact Area:	0.00 acres
Proposed Surface Water Impact Area:	0.00 acres
Proposed Wetland Secondary Impact Area:	0.00 acres
Proposed Surface Water Secondary Impact Area:	0.00 acres

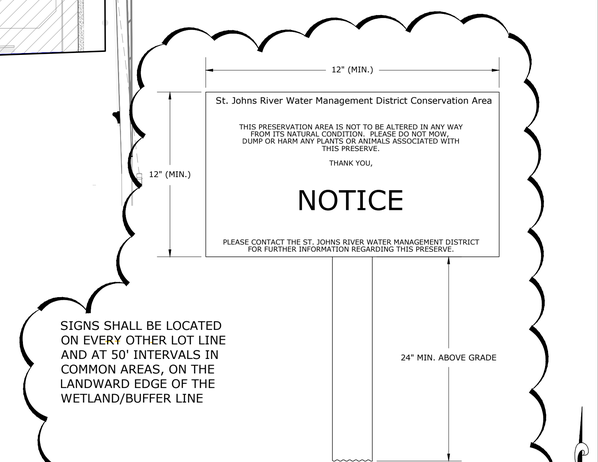
OPEN SPACE SET-ASIDE HATCH LEGEND

- ACTIVE RECREATIONAL AREA
- PASSIVE RECREATIONAL AREA
- GENERAL OPEN SPACE
- WETLAND AREA HATCH
- WETLAND BUFFER AREA HATCH

Open Space Requirements:

Land Development Code (Residential 20%)
40.52ac. * .20 = 8.10 acres (required)
Open Space Provided:

Tract OS-1:	4.98 acres
Tract OS-2:	1.77 acres
Tract OS-3:	0.51 acres
Tract OS-4:	1.51 acres
Tract OS-5:	0.04 acres
Tract OS-6:	0.07 acres
Tract SW-1:	6.00 acres
Total:	14.88 acres (8.10 required)



SIGNS SHALL BE LOCATED ON EVERY OTHER LOT LINE AND AT 50' INTERVALS IN COMMON AREAS, ON THE LANDWARD EDGE OF THE WETLAND/BUFFER LINE

AA CONSERVATION AREA SIGNAGE
N.T.S.

GRAPHIC SCALE
(IN FEET)
1 inch = 80 ft.

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Open Space Rec Plan

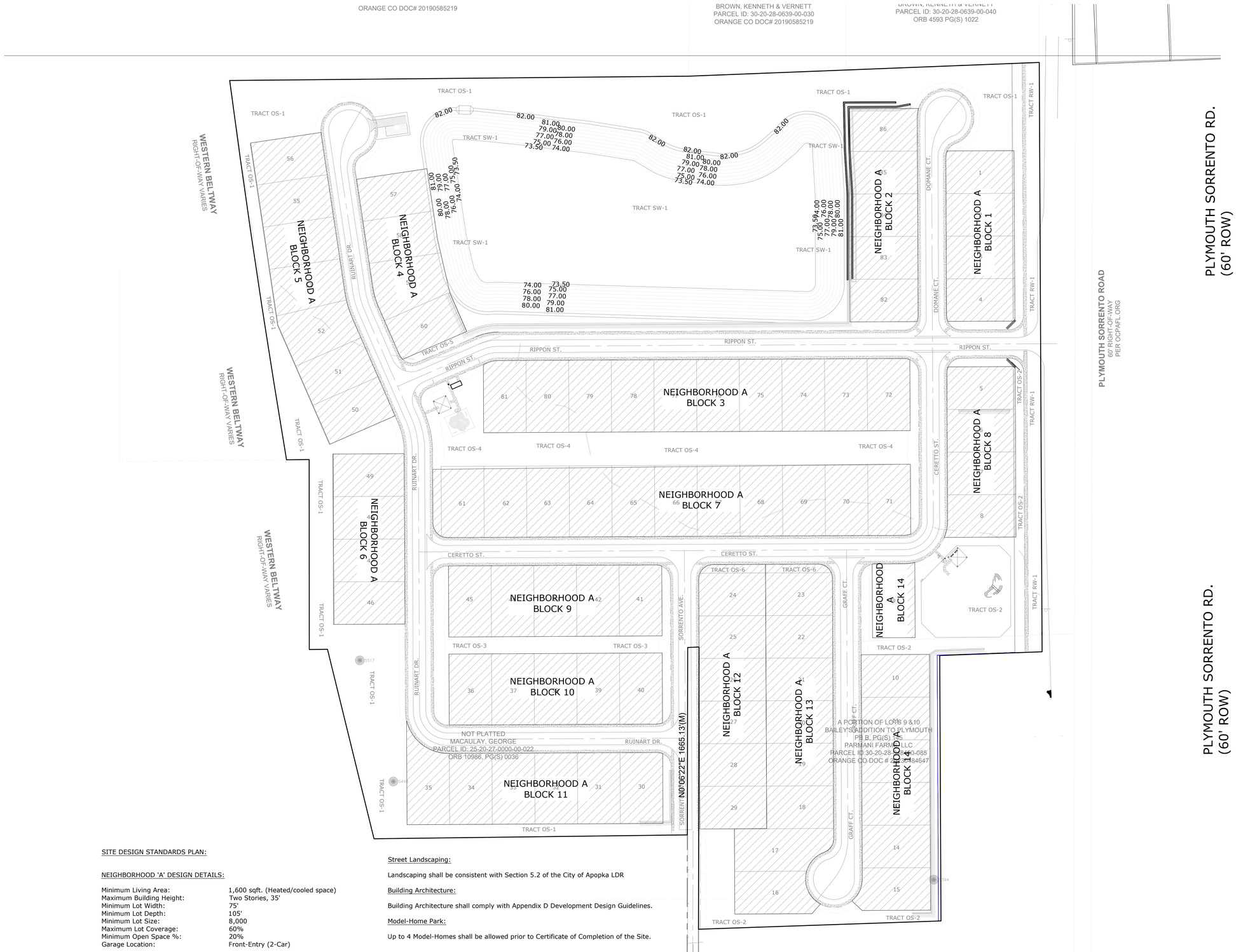
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Sarasota Ave. & Graff Ct & Construction Modification
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	####	
10	####	

SHEET NUMBER
11 OF 61



SITE DESIGN STANDARDS PLAN:

NEIGHBORHOOD 'A' DESIGN DETAILS:

Minimum Living Area:	1,600 sqft. (Heated/cooled space)
Maximum Building Height:	Two Stories, 35'
Minimum Lot Width:	75'
Minimum Lot Depth:	105'
Minimum Lot Size:	8,000
Maximum Lot Coverage:	60%
Minimum Open Space %:	20%
Garage Location:	Front-Entry (2-Car)
Setbacks:	
Front:	25' (RSF-1B)
Side:	10' (RSF-1B)
Side Street:	25' (RSF-1B)
Rear:	25' (RSF-1B)
Accessory Uses:	Those permitted by code
Architectural Design:	Consistent with Appendix D Development Design Guidelines

Street Landscaping:

Landscaping shall be consistent with Section 5.2 of the City of Apopka LDR

Building Architecture:

Building Architecture shall comply with Appendix D Development Design Guidelines.

Model-Home Park:

Up to 4 Model-Homes shall be allowed prior to Certificate of Completion of the Site.

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Design Standards Plan

Plans not valid unless Signed. Dated and Sealed below.

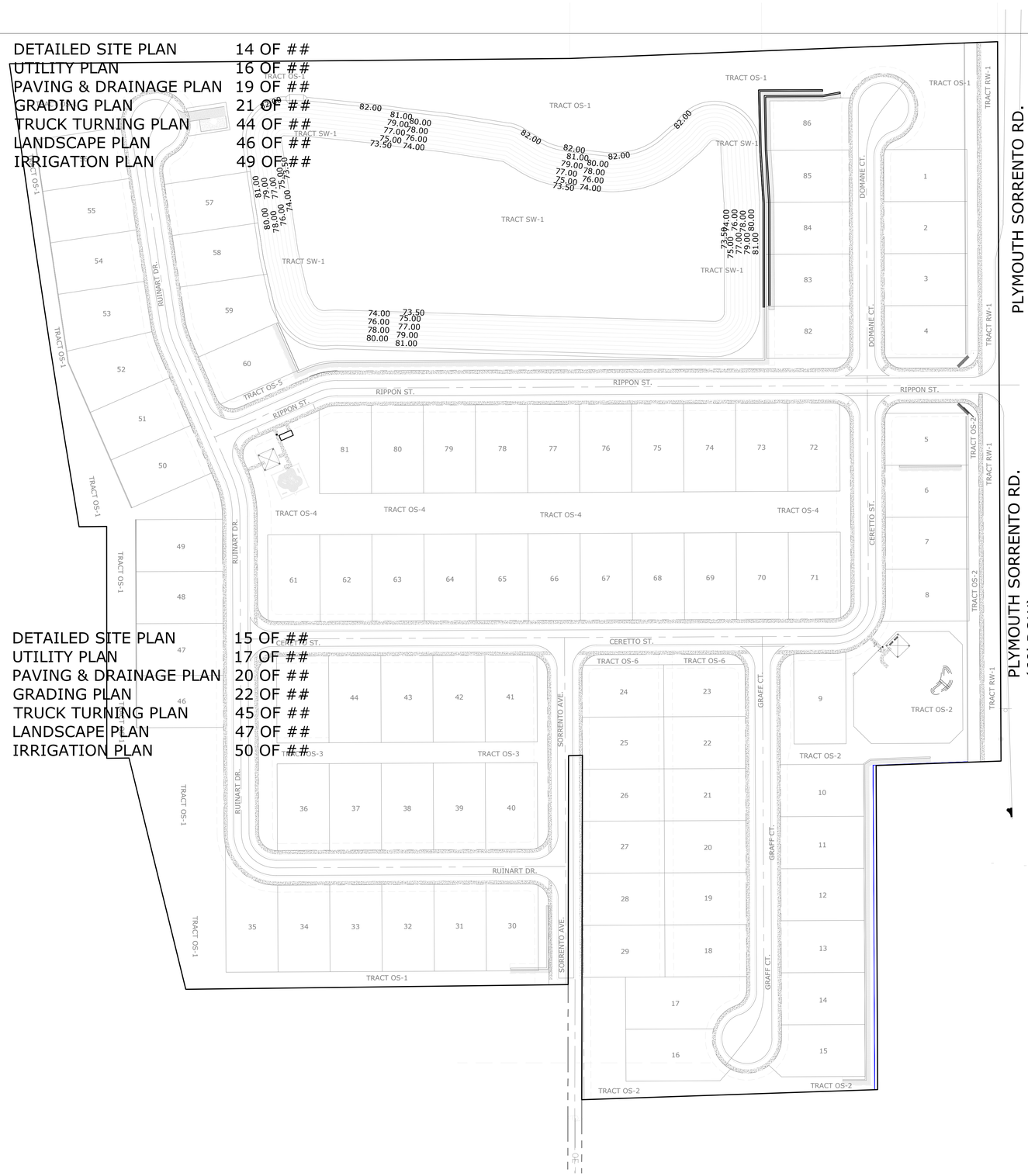
GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/23	Initial Submittal
2	05/30/23	Revised For Orange County 3T Permit Comments
3	06/29/23	Revised For St. Johns ERP & Apopka Comments
4	07/27/23	Revised For Apopka Comments
5	09/27/23	Revised For Apopka Comments
6	02/14/24	Revised For Screen Are. & Grd/O & Generator Modification
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust No Lot Width Of Selected Lots To 75' Dwg
9	####	
10	####	

SHEET NUMBER
12 OF 61

DETAILED SITE PLAN 14 OF ##
UTILITY PLAN 16 OF ##
PAVING & DRAINAGE PLAN 19 OF ##
GRADING PLAN 21 OF ##
TRUCK TURNING PLAN 44 OF ##
LANDSCAPE PLAN 46 OF ##
IRRIGATION PLAN 49 OF##



DETAILED SITE PLAN 15 OF ##
UTILITY PLAN 17 OF ##
PAVING & DRAINAGE PLAN 20 OF ##
GRADING PLAN 22 OF ##
TRUCK TURNING PLAN 45 OF ##
LANDSCAPE PLAN 47 OF ##
IRRIGATION PLAN 50 OF ##

GRAPHIC SCALE
(IN FEET)
1 inch = 80 ft.

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Planview Key Map

Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Sewers Ave. & Graff Ct & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	##/##/##	
10	##/##/##	

SHEET NUMBER
13 OF 61

GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.

NOT PLATTED
ORANGE COUNTY BCC
PARCEL ID: 25-20-27-0000-00-004
ORANGE CO DOC# 20190585219

LOT 3
BENTON'S PLYMOUTH OAKS ADDITION
PB 18, PG(S) 90
BROWN, KENNETH & VERNETT
PARCEL ID: 30-20-28-0639-00-030
ORANGE CO DOC# 20190585219

LOT 4
BENTON'S PLYMOUTH OAKS ADDITION
PB 18, PG(S) 90
BROWN, KENNETH & VERNETT
PARCEL ID: 30-20-28-0639-00-040
ORB 4593 PG(S) 1022

WETLAND LINE AS FLAGGED BY BIO-TECH CONSULTING

PROPERTY LINE

TRACT OS-1

TRACT LS-1

TRACT SW-1

TRACT RW-1

TRACT OS-5

TRACT OS-4

25.0'WETLAND BUFFER

25.0' WETLAND BUFFER

WESTERN BELTWAY
RIGHT-OF-WAY VARIES

RUINART DR.

DOMANE CT.

RETTO ST.

RIPPON ST.

22.0' PAVEMENT

50.0' ROW

10.0' UTILITY EASEMENT

PARALLEL PARKING FOR MAIL KIOSK 4 SPACES

MAIL KIOSK

COMMUNITY PAVILION

5.0' SIDEWALK

PROPOSED TOT LOT

30.0' ROW DEDICATION

6.0' SIDEWALK

R25.0 15.0' LANDSCAPE BUFFER

10.0' SIDE SETBACK

25.0' REAR SETBACK

25.0' FRONT SETBACK

25.0' SIDE STREET SETBACK

22.0' PAVEMENT

SEE SHEET 15 OF 61

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Detailed Site Plan 1

Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/09/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Screen Arc & Graffiti & Generator Modification
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 120' Deep
9	#REF!	
10	#REF!	

SHEET NUMBER
14 OF 61

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Detailed Site Plan 2

Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

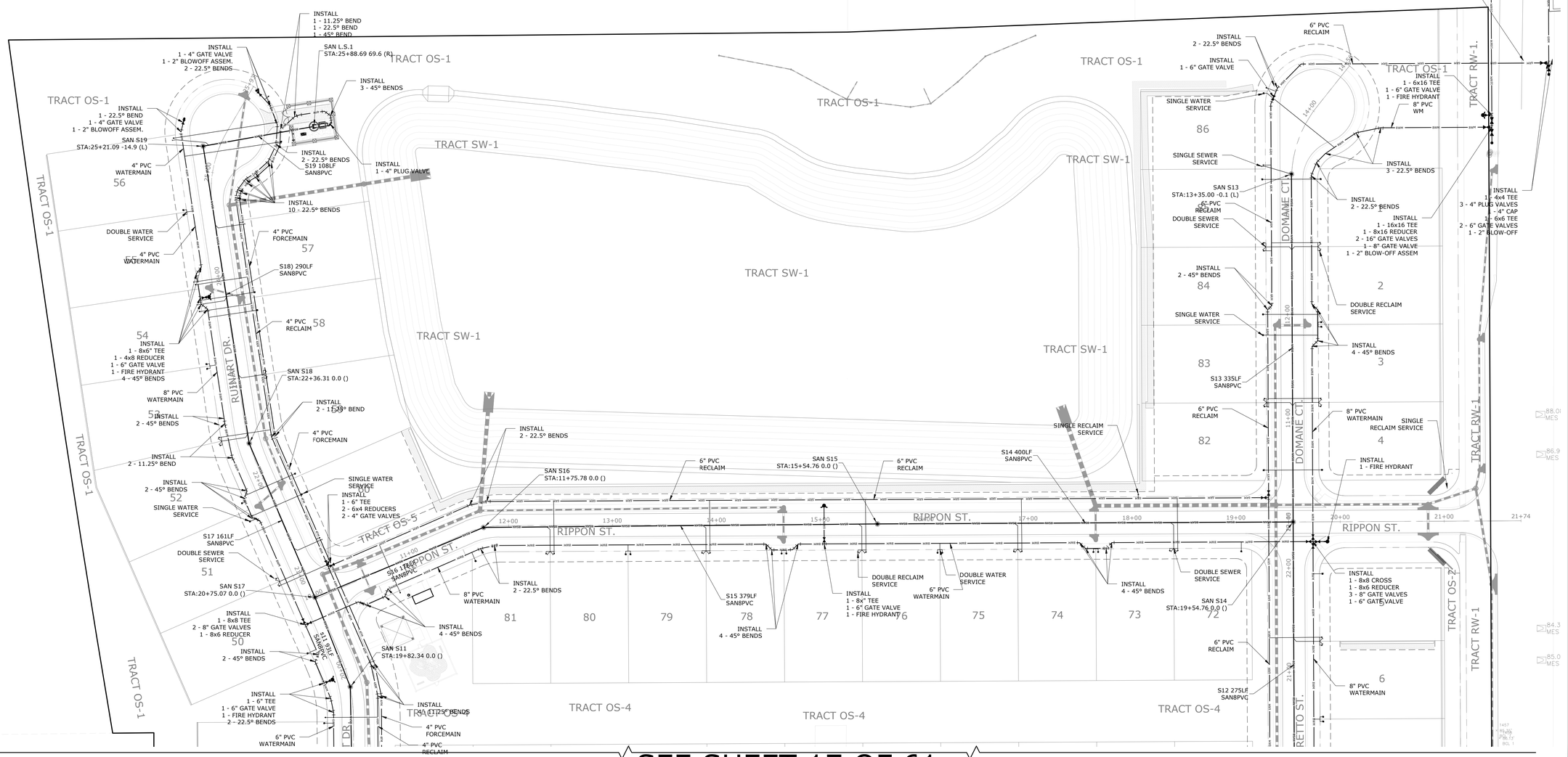
Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Sorrento Ave. & Graff Ct & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	mm/dd/yy	
10	mm/dd/yy	

SHEET NUMBER
15 OF 61

GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.



SEE SHEET 17 OF 61

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Utility Plan 1

Plans not vatid unless Signed. Dated and Sealed below.

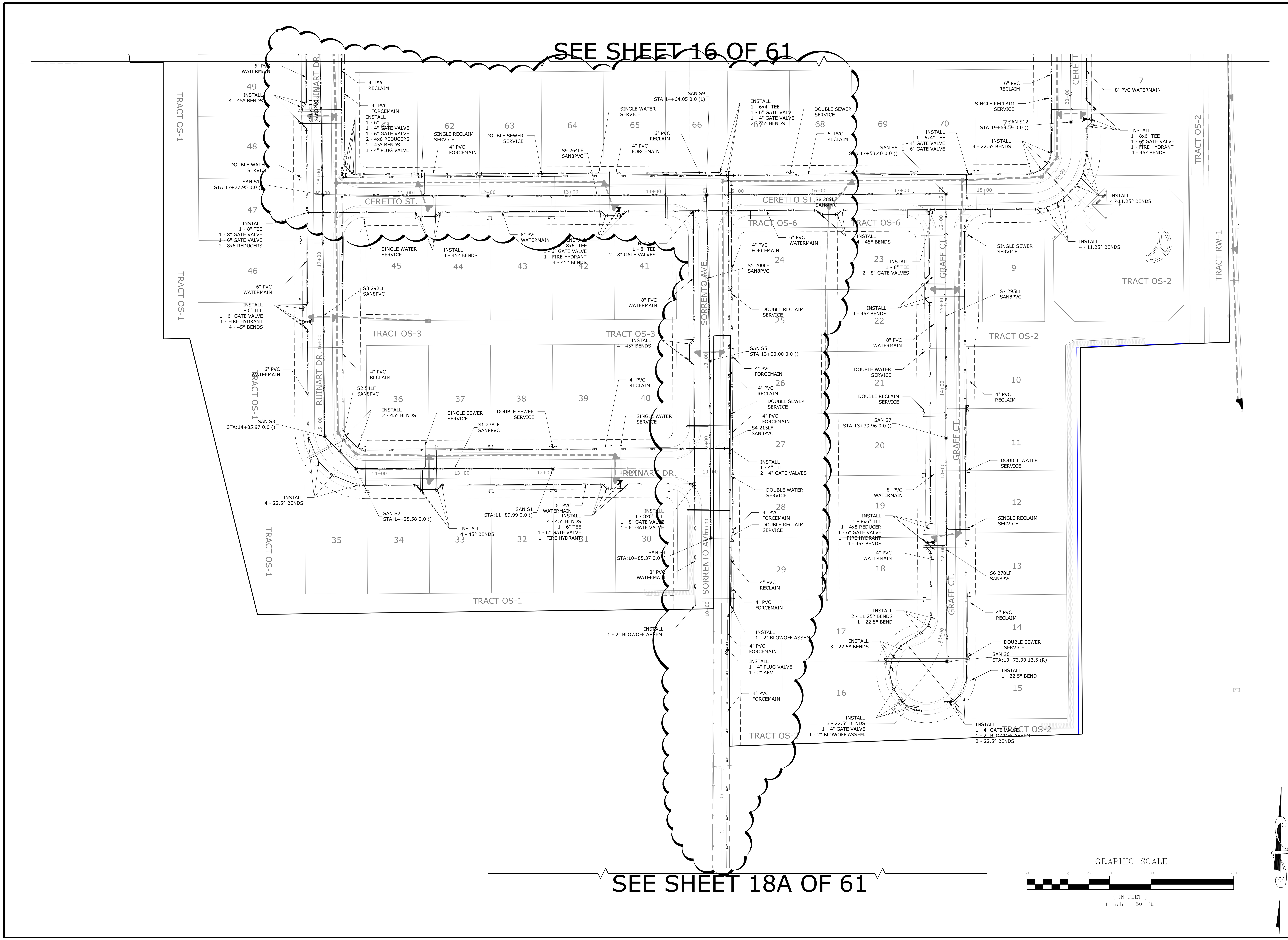
GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/26/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Screen Acc. & Graffiti & Geotechnics Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	#REF!	
10	#REF!	

SHEET NUMBER
16 OF 61

SEE SHEET 16 OF 61



SEE SHEET 18A OF 61

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Utility Plan 2

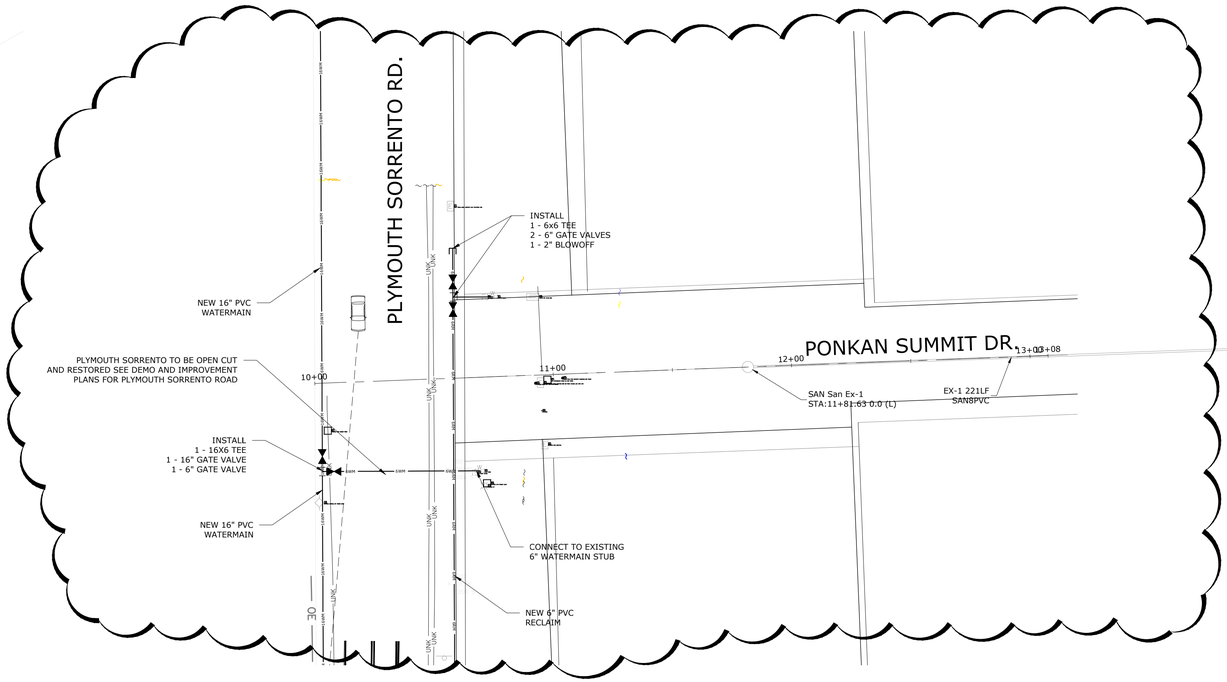
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Sorrento Ave. & Graff Ct & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	##/##	
10	##/##	

SHEET NUMBER
17 OF 61



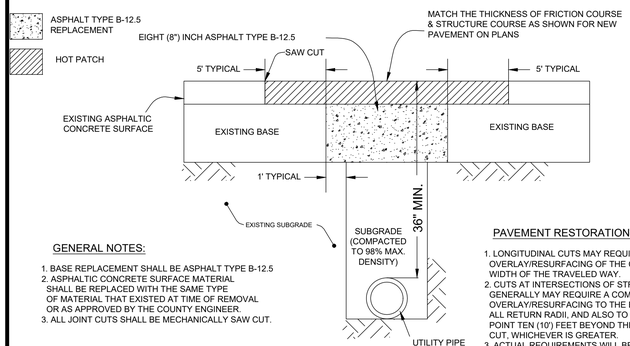
GRAPHIC SCALE

(IN FEET)
1 inch = 30 ft.

PONKAN SUMMIT DRIVE: STA: 10+00 - 10+75

NOTE:

SUB-GRADE CUT TO BE COMPACTED TO 98% MAX. DENSITY AS DETERMINED BY AASHTO T - 180.
CUT TO BE REPLACED WITH AN EIGHT (8") INCH 3000 PSI HIGH EARLY CONCRETE TO TOP OF EXISTING BASE.
CUT AREA TO BE PLATED OR PROTECTED ON DAY OF POUR. EXISTING SURFACE TO BE SAW CUT
TO AN AREA FIVE (5') FEET, BEYOND THE BASE CUT.



GENERAL NOTES:

1. BASE REPLACEMENT SHALL BE ASPHALT TYPE B-12.5
2. ASPHALTIC CONCRETE SURFACE MATERIAL SHALL BE REPLACED WITH THE SAME TYPE OF MATERIAL THAT EXISTED AT TIME OF REMOVAL OR AS APPROVED BY THE COUNTY ENGINEER.
3. ALL JOINT CUTS SHALL BE MECHANICALLY SAW CUT.

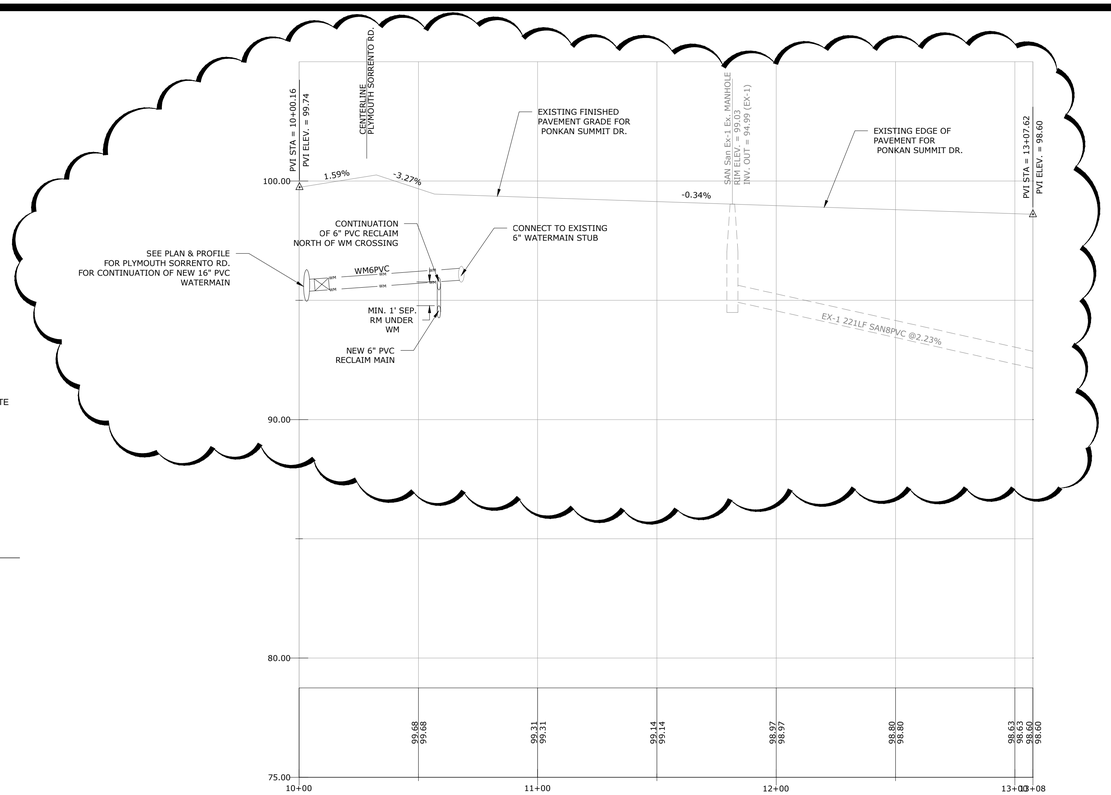
PAVEMENT RESTORATION:

1. LONGITUDINAL CUTS MAY REQUIRE OVERLAY/RESURFACING OF THE COMPLETE WIDTH OF THE TRAVELED WAY.
2. CUTS AT INTERSECTIONS OF STREETS GENERALLY MAY REQUIRE A COMPLETE OVERLAY/RESURFACING TO THE END OF ALL RETURN RADII, AND ALSO TO A POINT TEN (10') FEET BEYOND THE CUT, WHICHEVER IS GREATER.
3. ACTUAL REQUIREMENTS WILL BE AS STATED ON THE APPROVED PERMIT OR AS DIRECTED BY INSPECTION.

STANDARD ROADWAY OPENCUT CROSS SECTION DETAIL

FINAL RESTORATION - TYPICAL OF MAJOR OPEN CUTS

NOTE: CONTRACTOR TO CORE DRILL AND MATCH EXISTING SECTION OR SPECIFIED SECTION WHICHEVER IS GREATER.



PROFILE SCALE:
HORZ: 1" = 30'
VERT: 1" = 3'

NOTE:
IF SEASONAL HIGH WATER IS NOT SHOWN ON PROFILE THEN ELEVATION IS LOWER THAN PROFILE DATUM ELEVATION.

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke
Subdivision
City of Apopka, Florida

Construction
Site Plan

Offsite Utilities
Connection Plan

Plans not valid unless Signed, Dated and Sealed below.

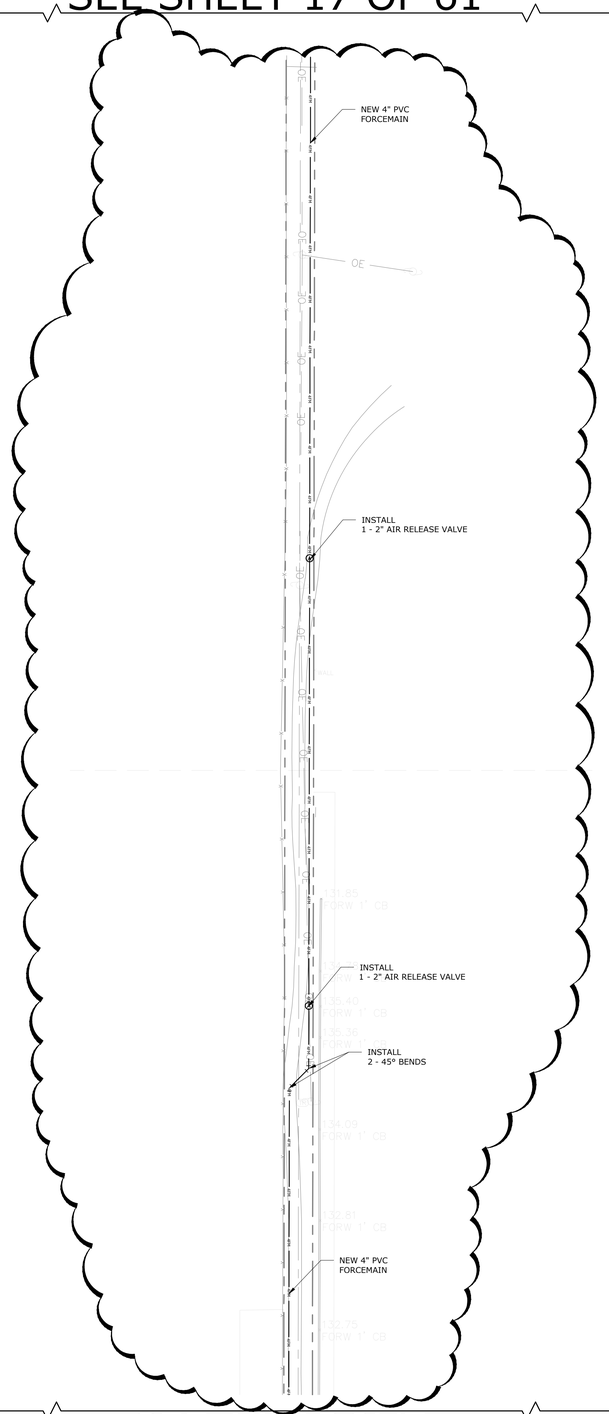
GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Jurisdiction Modification
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	##/##/##	
10	##/##/##	

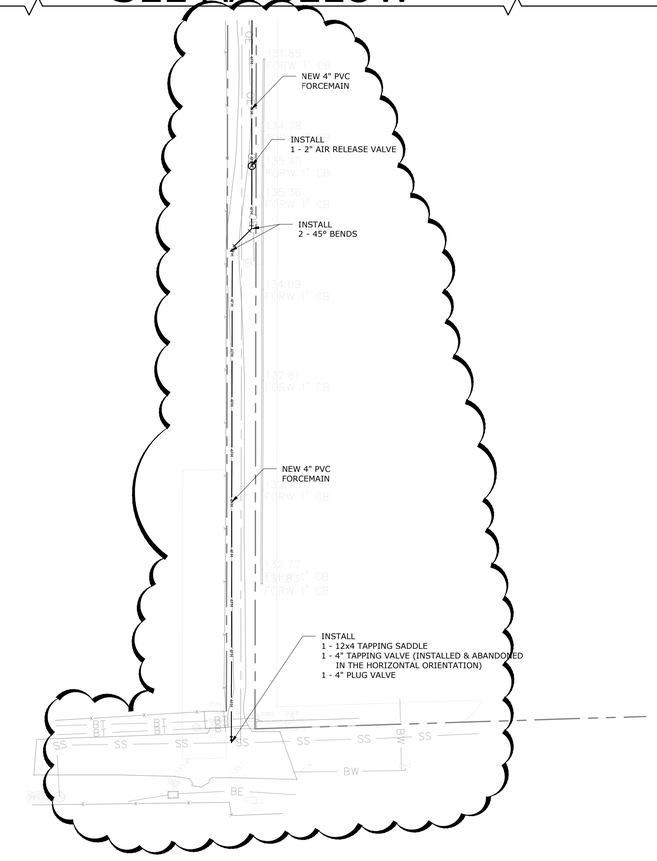
SHEET NUMBER
18 OF 61

SEE SHEET 17 OF 61



SEE AA ABOVE

SEE AA BELOW



GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Offsite Utilities Connection Plan 2

Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/23	Initial Submittal
2	05/30/23	Revised For Orange County 'E' Permit Comments
3	06/26/23	Revised For St. Johns ERP & Apopka Comments
4	07/27/23	Revised For Apopka Comments
5	08/29/23	Revised For Apopka Comments
6	02/12/26	Revised For Screen Area & Golf Ct & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	####	
10	####	

SHEET NUMBER

18AOF 61

GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.

NOT PLATTED
ORANGE COUNTY BCC
PARCEL ID: 25-20-27-0000-00-004
ORANGE CO DOC# 20190585219

LOT 3
BENTON'S PLYMOUTH OAKS ADDITION
PB 18, PG(S) 90
BROWN, KENNETH & VERNETT
PARCEL ID: 30-20-28-0639-00-030
ORANGE CO DOC# 20190585219

LOT 4
BENTON'S PLYMOUTH OAKS ADDITION
PB 18, PG(S) 90
BROWN, KENNETH & VERNETT
PARCEL ID: 30-20-28-0639-00-040
ORB 4593 PG(S) 1022

WESTERN BELTWAY
RIGHT-OF-WAY VARIES

SEE SHEET 20 OF 61

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Paving & Drainage Plan 1

Plans not valid unless Signed, Dated and Sealed below.

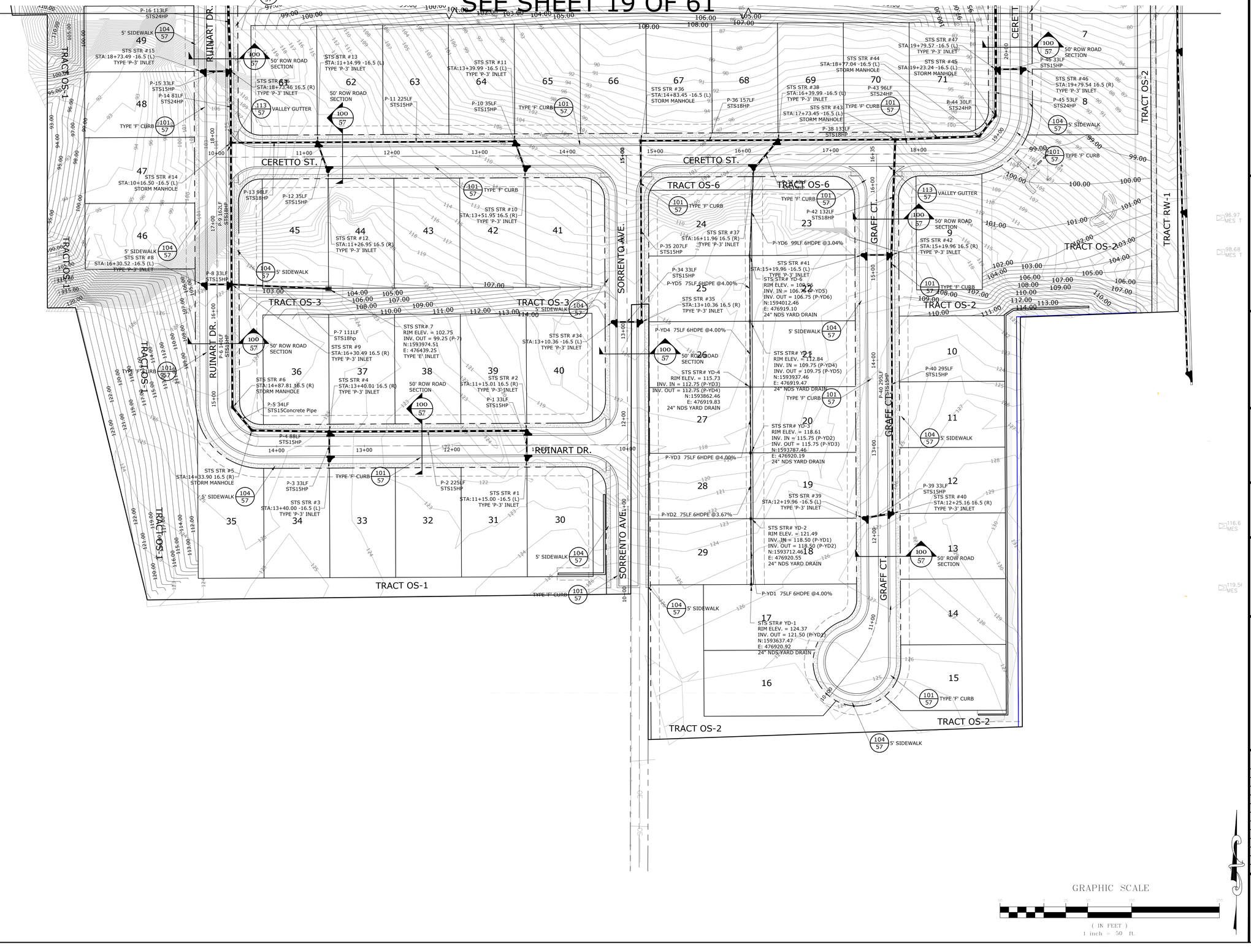
GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Second For Sanitary Ave. & Graff Ct & Construction Modification
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 122' Deep
9	#ref!	
10	#ref!	

SHEET NUMBER
19 OF 61

SEE SHEET 19 OF 61



G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Paving & Drainage Plan 2

Plans not valid unless Signed, Dated and Sealed below.

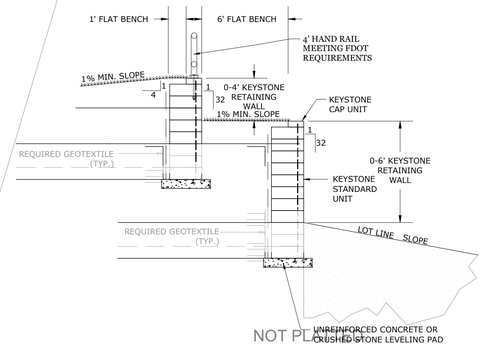
GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/26/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Screen Acc. & Graff Ct & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	##/##/##	
10	##/##/##	

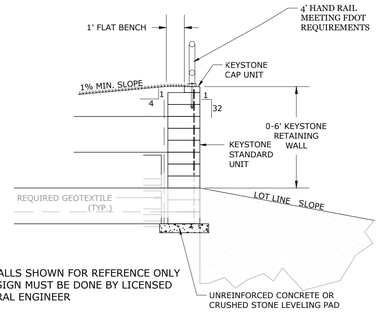
GRAPHIC SCALE
0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

SHEET NUMBER
20 OF 61



NOTE: WALLS SHOWN FOR REFERENCE ONLY FINAL DESIGN MUST BE DONE BY LICENSED STRUCTURAL ENGINEER

BB - STACKED-BLOCK WALL SECTION N.T.S.



NOTE: WALLS SHOWN FOR REFERENCE ONLY FINAL DESIGN MUST BE DONE BY LICENSED STRUCTURAL ENGINEER

AA - STACKED-BLOCK WALL SECTION N.T.S.

GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft.

NOTES:
1. ALL ELEVATIONS REFERENCE N.A.V.D. 1988.
2. ALL SIDE/REAR YARDS SHALL CONTAIN A 5' DRAINAGE/UTILITY EASEMENT RECORDED ON THE PLAT.
3. ALL SLOPES IN EXCESS OF 2% SHALL BE SODDED IN LIEU OF SEEDING AND MULCHING.
4. ALL RETAINING WALLS TALLER THAN 30" EXPOSED HEIGHT SHALL BE INSTALLED WITH FALL PROTECTION (FENCE OR RAILING) MEETING FLORIDA BUILDING CODE REQUIREMENTS.

LOT 3
BENTON'S PLYMOUTH OAKS ADDITION
PB 18, PG(S) 90
BROWN, KENNETH & VERNETT
PARCEL ID: 30-20-28-0639-00-030
ORANGE CO DOC# 20190585219

LOT 4
BENTON'S PLYMOUTH OAKS ADDITION
PB 18, PG(S) 90
BROWN, KENNETH & VERNETT
PARCEL ID: 30-20-28-0639-00-040
ORB 4593 PG(S) 1022

NOT PLATTED
ORANGE COUNTY BCC
PARCEL ID: 25-20-27-0000-00-004
ORANGE CO DOC# 20190585219

TRACT OS-1
TRACT OS-5
TRACT SW-1
TRACT OS-4
TRACT RW-1
TRACT QS-2
WESTERN BELTWAY
RIGHT-OF-WAY VARIES
RUTHART DR.
RIPPON ST.
DOMANE CT.
RETTO ST.
F.F. ELEV. 85.85 56 TYPE 'A' LOT
F.F. ELEV. 87.20 55 TYPE 'A' LOT
F.F. ELEV. 88.67 54 TYPE 'A' LOT
F.F. ELEV. 90.10 53 TYPE 'A' LOT
F.F. ELEV. 91.20 52 TYPE 'A' LOT
F.F. ELEV. 92.95 51 TYPE 'A' LOT
F.F. ELEV. 94.68 50 TYPE 'A' LOT
F.F. ELEV. 86.00 57 TYPE 'C/MOD' LOT
F.F. ELEV. 87.50 58 TYPE 'C/MOD' LOT
F.F. ELEV. 89.75 59 TYPE 'C/MOD' LOT
F.F. ELEV. 92.05 60 TYPE 'C/MOD' LOT
F.F. ELEV. 93.75 81 TYPE 'A' LOT
F.F. ELEV. 93.50 80 TYPE 'A' LOT
F.F. ELEV. 92.75 79 TYPE 'A' LOT
F.F. ELEV. 92.00 78 TYPE 'A' LOT
F.F. ELEV. 91.50 77 TYPE 'A' LOT
F.F. ELEV. 90.75 76 TYPE 'A' LOT
F.F. ELEV. 90.00 75 TYPE 'A' LOT
F.F. ELEV. 89.50 74 TYPE 'A' LOT
F.F. ELEV. 88.75 73 TYPE 'A' LOT
F.F. ELEV. 88.50 72 TYPE 'A' LOT
F.F. ELEV. 93.00 86 TYPE 'A' LOT
F.F. ELEV. 92.10 85 TYPE 'A' LOT
F.F. ELEV. 91.10 84 TYPE 'A' LOT
F.F. ELEV. 90.10 83 TYPE 'A' LOT
F.F. ELEV. 88.80 82 TYPE 'A' LOT
F.F. ELEV. 92.10 1 TYPE 'A' LOT
F.F. ELEV. 91.00 2 TYPE 'A' LOT
F.F. ELEV. 89.90 3 TYPE 'A' LOT
F.F. ELEV. 88.80 4 TYPE 'A' LOT
F.F. ELEV. 90.00 5 TYPE 'A' LOT
F.F. ELEV. 93.75 6 TYPE 'A' LOT
5.0' WALL/ DRAINAGE EASEMENT
9.5' WALL/ EASEMENT
16.3' WALL/ DRAINAGE EASEMENT
17.0' WALL/ DRAINAGE EASEMENT
20.5' WALL/ DRAINAGE EASEMENT
8.5' WALL/ DRAINAGE EASEMENT
STACKED-BLOCK WALL SECTION
RETAINING WALL (BY OTHERS) TOP OF WALL: 88.00 FACE OF WALL: 82.00
2ND TIER RETAINING WALL (BY OTHERS) TOP OF WALL: 92.00 FACE OF WALL: 88.05
END 2ND TIER RETAINING WALL (BY OTHERS) TOP OF WALL: 91.00 FACE OF WALL: 91.00
END RETAINING WALL (BY OTHERS) TOP OF WALL: 88.00 FACE OF WALL: 88.00
2ND TIER RETAINING WALL (BY OTHERS) TOP OF WALL: 91.25 FACE OF WALL: 88.05
RETAINING WALL (BY OTHERS) TOP OF WALL: 88.00 FACE OF WALL: 82.00
2ND TIER RETAINING WALL (BY OTHERS) TOP OF WALL: 90.25 FACE OF WALL: 88.05
2ND TIER RETAINING WALL (BY OTHERS) TOP OF WALL: 89.10 FACE OF WALL: 88.05
RETAINING WALL (BY OTHERS) TOP OF WALL: 88.00 FACE OF WALL: 82.00
BEGIN 2ND TIER RETAINING WALL (BY OTHERS) TOP OF WALL: 89.50 FACE OF WALL: 88.05
RETAINING WALL (BY OTHERS) TOP OF WALL: 88.00 FACE OF WALL: 82.00
RETAINING WALL (BY OTHERS) TOP OF WALL: 86.96 FACE OF WALL: 82.00
END RETAINING WALL (BY OTHERS) TOP OF WALL: 83.42 FACE OF WALL: 83.42
RETAINING WALL (BY OTHERS) TOP OF WALL: 91.00 FACE OF WALL: 87.50
RETAINING WALL (BY OTHERS) TOP OF WALL: 91.50 FACE OF WALL: 85.50
RETAINING WALL (BY OTHERS) TOP OF WALL: 89.50 FACE OF WALL: 83.50
RETAINING WALL (BY OTHERS) TOP OF WALL: 90.25 FACE OF WALL: 88.05
RETAINING WALL (BY OTHERS) TOP OF WALL: 91.20 FACE OF WALL: 88.70
RETAINING WALL (BY OTHERS) TOP OF WALL: 92.20 FACE OF WALL: 89.70
AA - STACKED-BLOCK WALL SECTION
BB - STACKED-BLOCK WALL SECTION
10+00
11+00
12+00
13+00
14+00
15+00
16+00
17+00
18+00
19+00
20+00
21+00
21+74

SEE SHEET 22 OF 61

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Grading Plan 1

Plans not valid unless Signed, Dated and Sealed below.

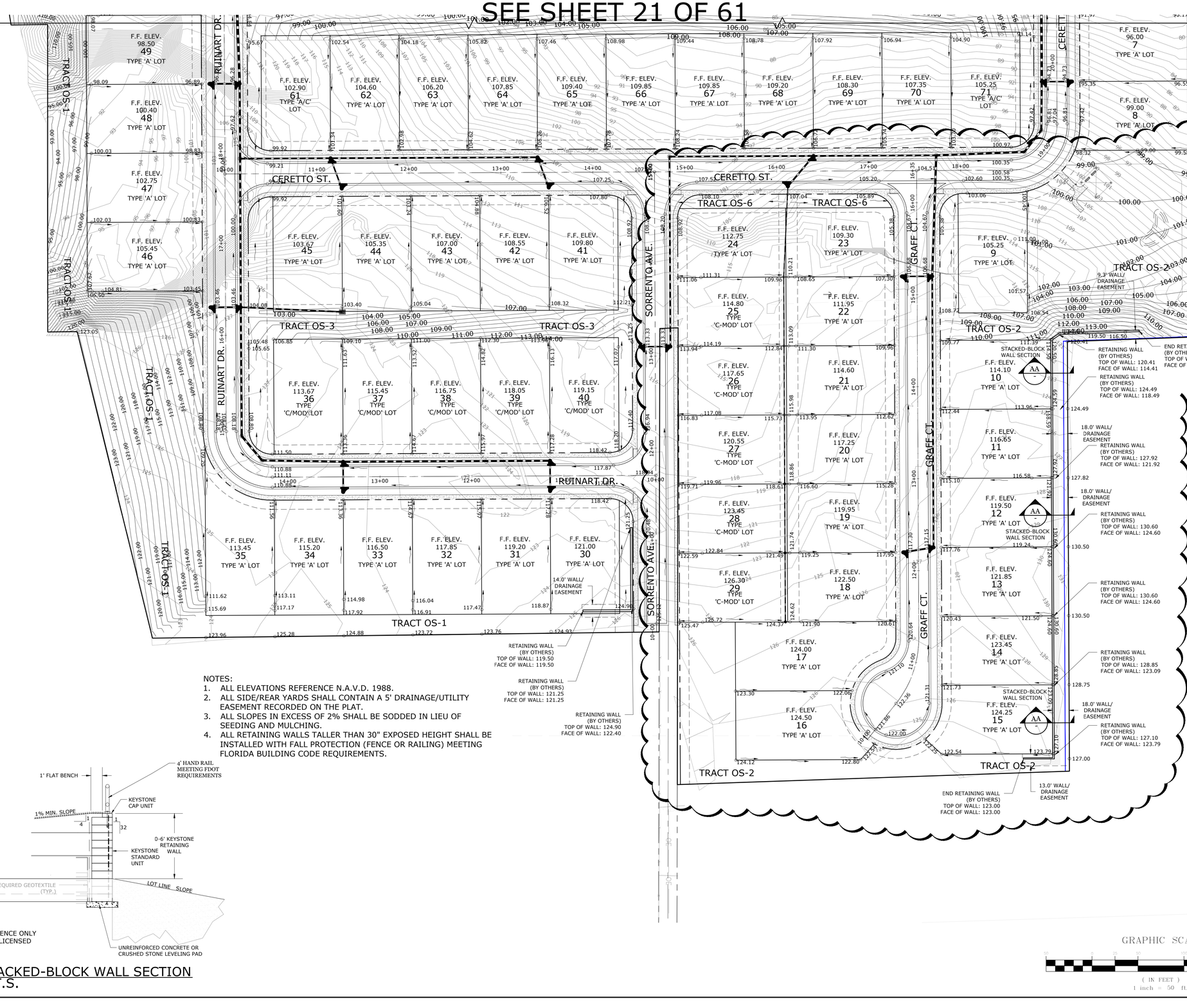
GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/23	Initial Submittal
2	05/30/23	Revised For Orange County '0' Permit Comments
3	06/26/23	Revised For St. Johns ERP & Apopka Comments
4	07/27/23	Revised For Apopka Comments
5	08/24/23	Revised For Apopka Comments
6	02/12/26	Revised Per Lennar Rev. 8, Utd/FD & Contractor Mobilization
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust Pre Lot Depths Of Selected Lots To 125' Deep
9	####	
10	####	

SHEET NUMBER
21 OF 61

SEE SHEET 21 OF 61



NOTES:

1. ALL ELEVATIONS REFERENCE N.A.V.D. 1988.
2. ALL SIDE/REAR YARDS SHALL CONTAIN A 5' DRAINAGE/UTILITY EASEMENT RECORDED ON THE PLAT.
3. ALL SLOPES IN EXCESS OF 2% SHALL BE SODDED IN LIEU OF SEEDING AND MULCHING.
4. ALL RETAINING WALLS TALLER THAN 30" EXPOSED HEIGHT SHALL BE INSTALLED WITH FALL PROTECTION (FENCE OR RAILING) MEETING FLORIDA BUILDING CODE REQUIREMENTS.

NOTE: WALLS SHOWN FOR REFERENCE ONLY FINAL DESIGN MUST BE DONE BY LICENSED STRUCTURAL ENGINEER

AA - STACKED-BLOCK WALL SECTION N.T.S.

GRAPHIC SCALE
50 0 25 50 100 200
(IN FEET)
1 inch = 50 ft.

G L SUMMITT ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Grading Plan 2

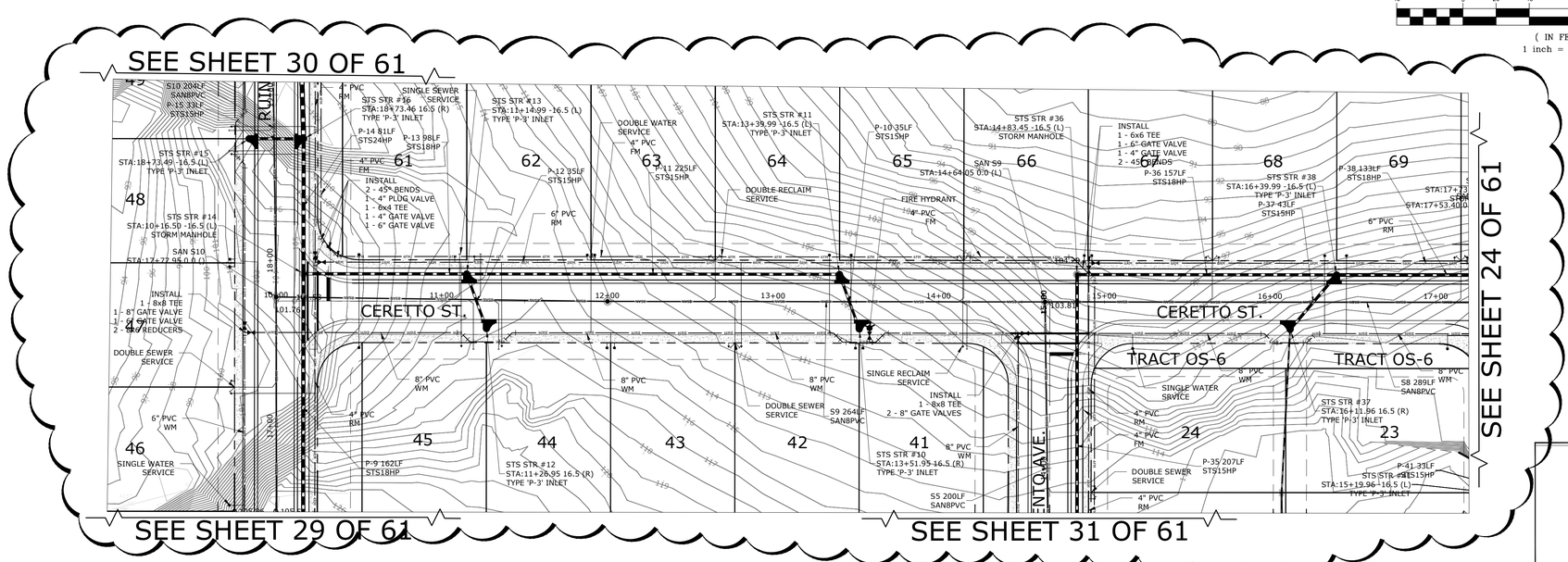
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/26/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Screens Ave. & Graff Ct & Contractor Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 120' Deep
9	####	
10	####	

SHEET NUMBER
22 OF 61



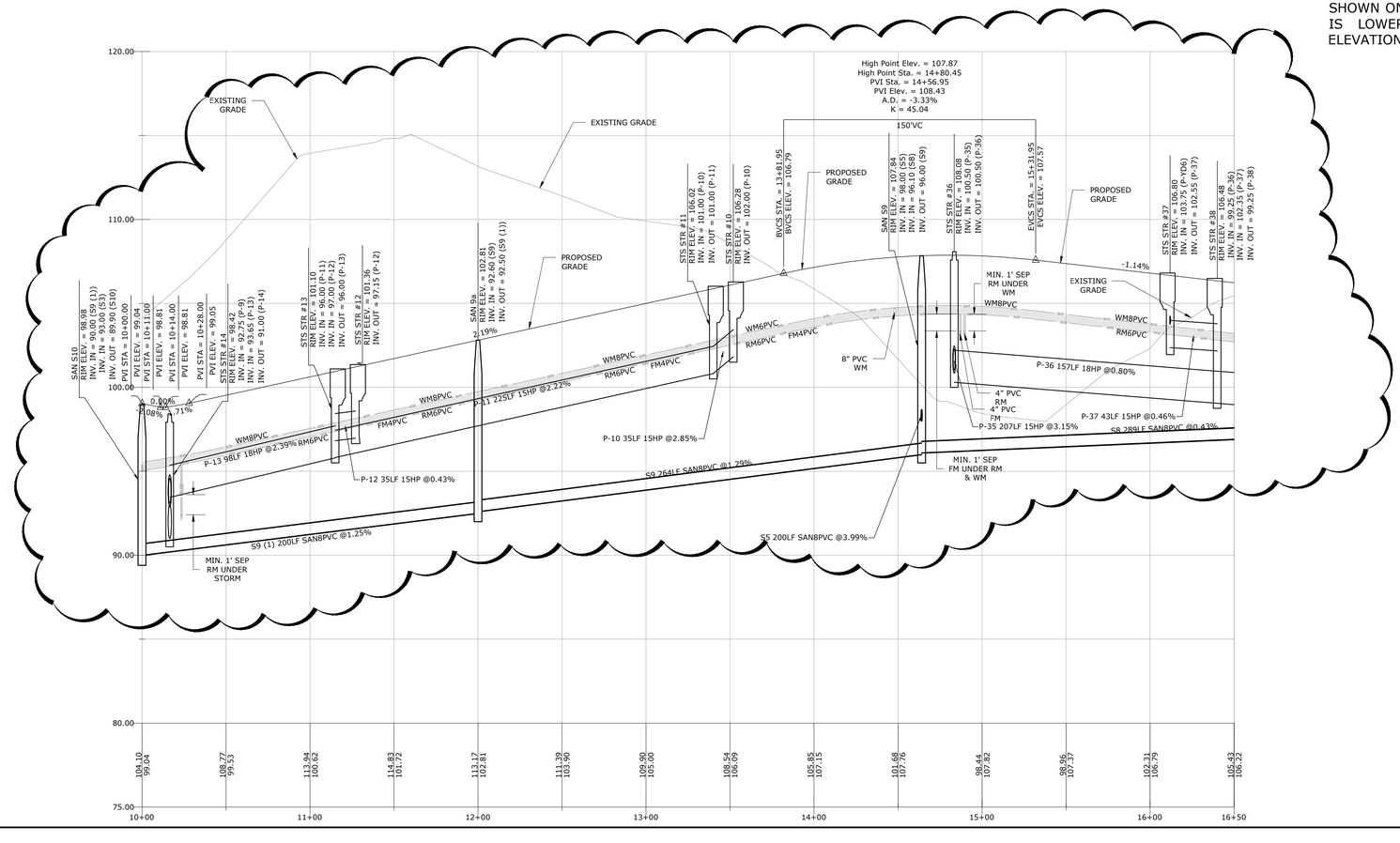
GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

PLAN & PROFILE LEGEND

CERETTO ST.: STA: 10+00 - STA: 16+00



NOTE:
IF SEASONAL HIGH WATER IS NOT SHOWN ON PROFILE THEN ELEVATION IS LOWER THAN PROFILE DATUM ELEVATION.

PROFILE SCALE:
HORZ: 1" = 40'
VERT: 1" = 4'

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Ceretto St P&P1

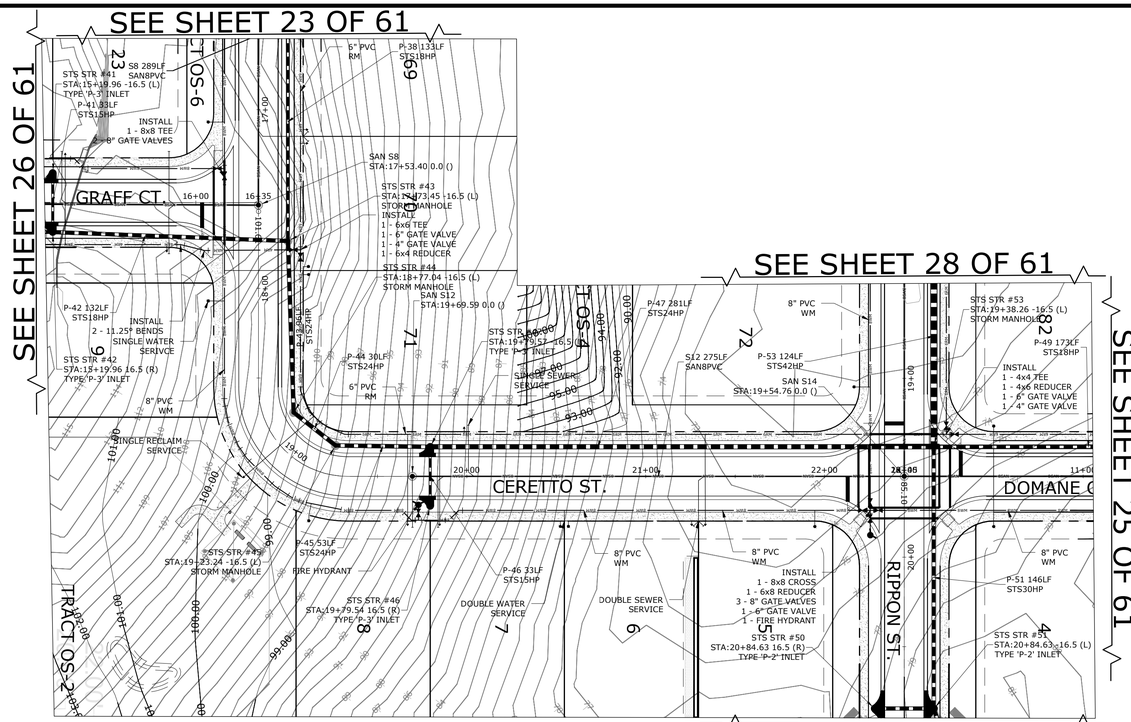
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: Feb. 12, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Sorrento Ave. & Graff Ct
7	####	
8	####	
9	####	
10	####	

SHEET NUMBER
23 OF 61



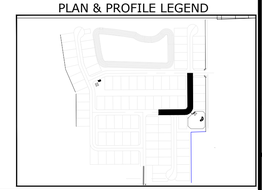
CERETTO ST.: STA: 17+00 - STA: 22+45

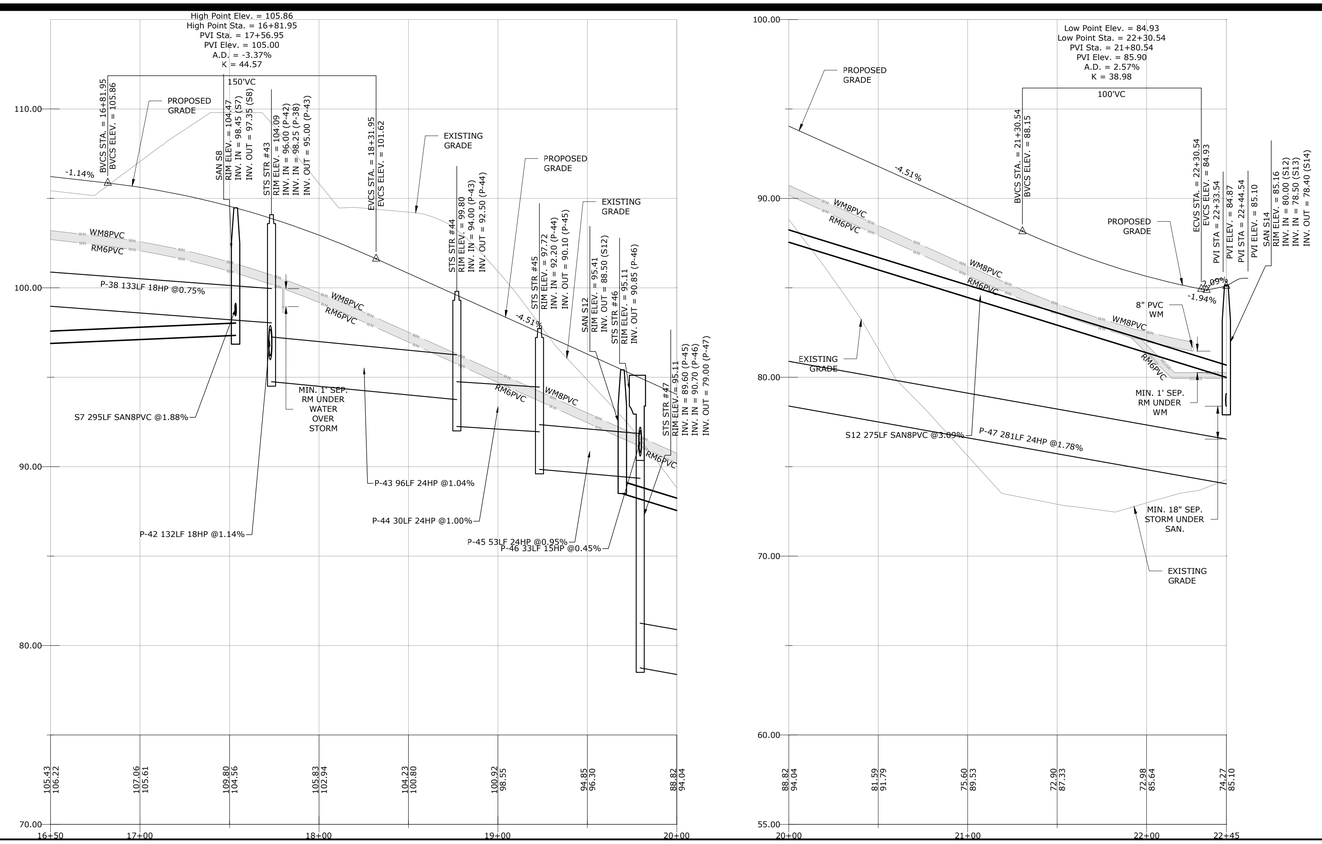
GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

PLAN & PROFILE LEGEND





NOTE:
IF SEASONAL HIGH WATER IS NOT SHOWN ON PROFILE THEN ELEVATION IS LOWER THAN PROFILE DATUM ELEVATION.

PROFILE SCALE:
HORZ: 1" = 40'
VERT: 1" = 4'

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Ceretto St P&P2

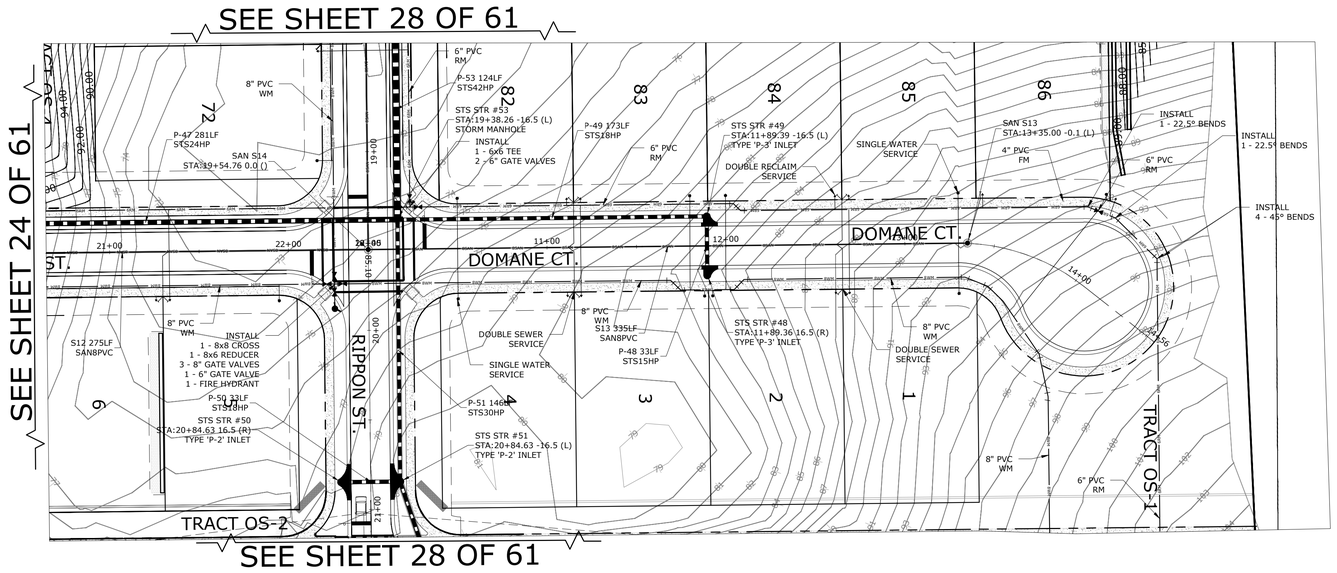
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: Feb. 12, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/23	Initial Submittal
2	05/30/23	Revised For Orange County 'E' Permit Comments
3	06/30/23	Revised For St. Johns ERP & Apopka Comments
4	07/28/23	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Sorrento Ave. & Graff Ct
7		
8		
9		
10		

SHEET NUMBER
24 OF 61



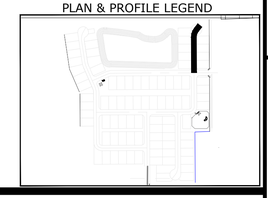
DOMANE CT.: STA: 10+00 - STA: 14+56

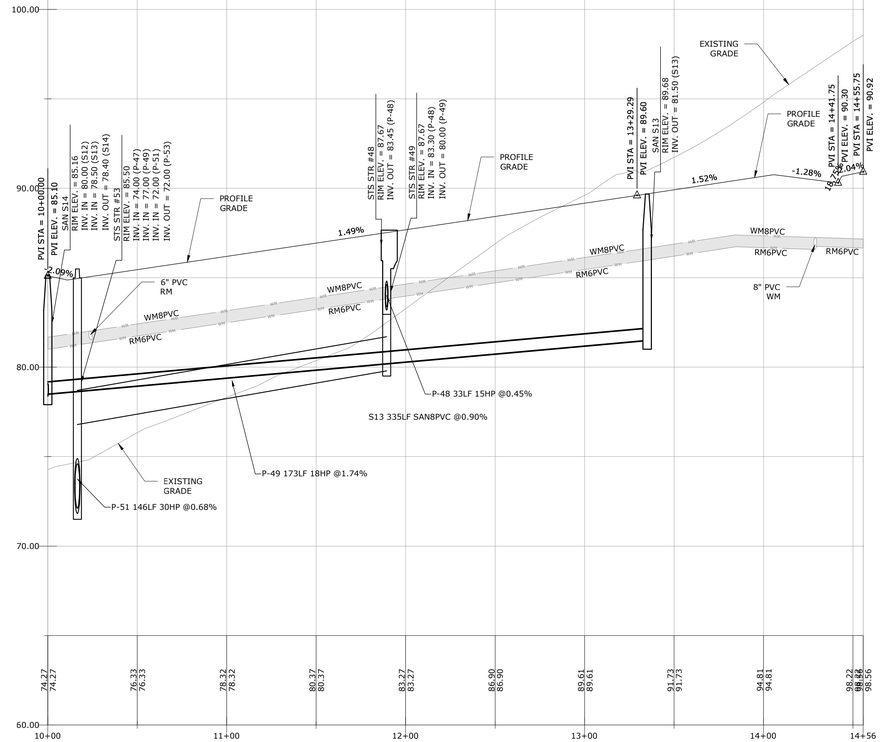
GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

PLAN & PROFILE LEGEND





NOTE:
IF SEASONAL HIGH WATER IS NOT SHOWN ON PROFILE THEN ELEVATION IS LOWER THAN PROFILE DATUM ELEVATION.

PROFILE SCALE:
HORZ: 1" = 40'
VERT: 1" = 4'

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Domane Ct
P&P1

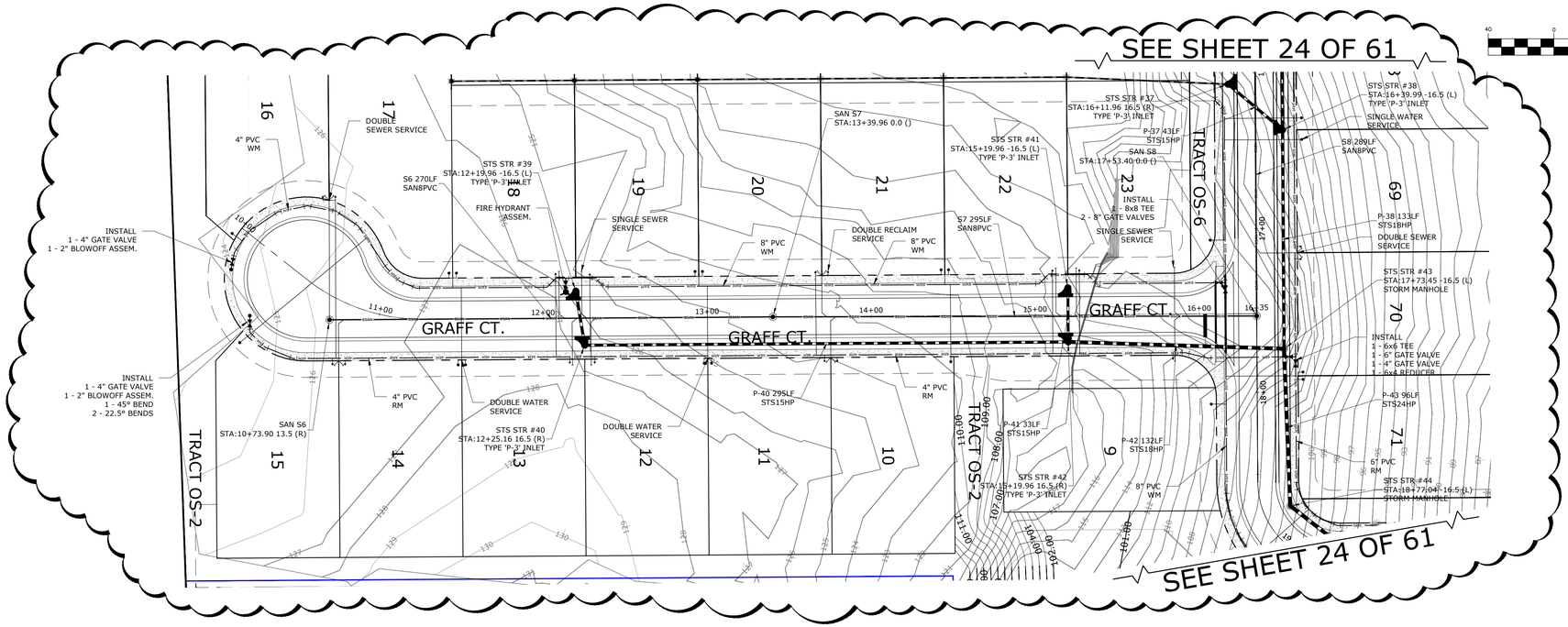
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: Feb. 12, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Sorrento Ave. & Graff Ct
7	[illegible]	
8	[illegible]	
9	[illegible]	
10	[illegible]	

SHEET NUMBER
25 OF 61



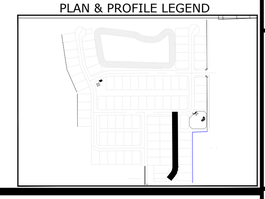
GRAFF CT.: STA: 10+00 - STA: 16+35

GRAPHIC SCALE

40 0 20 40 80 160

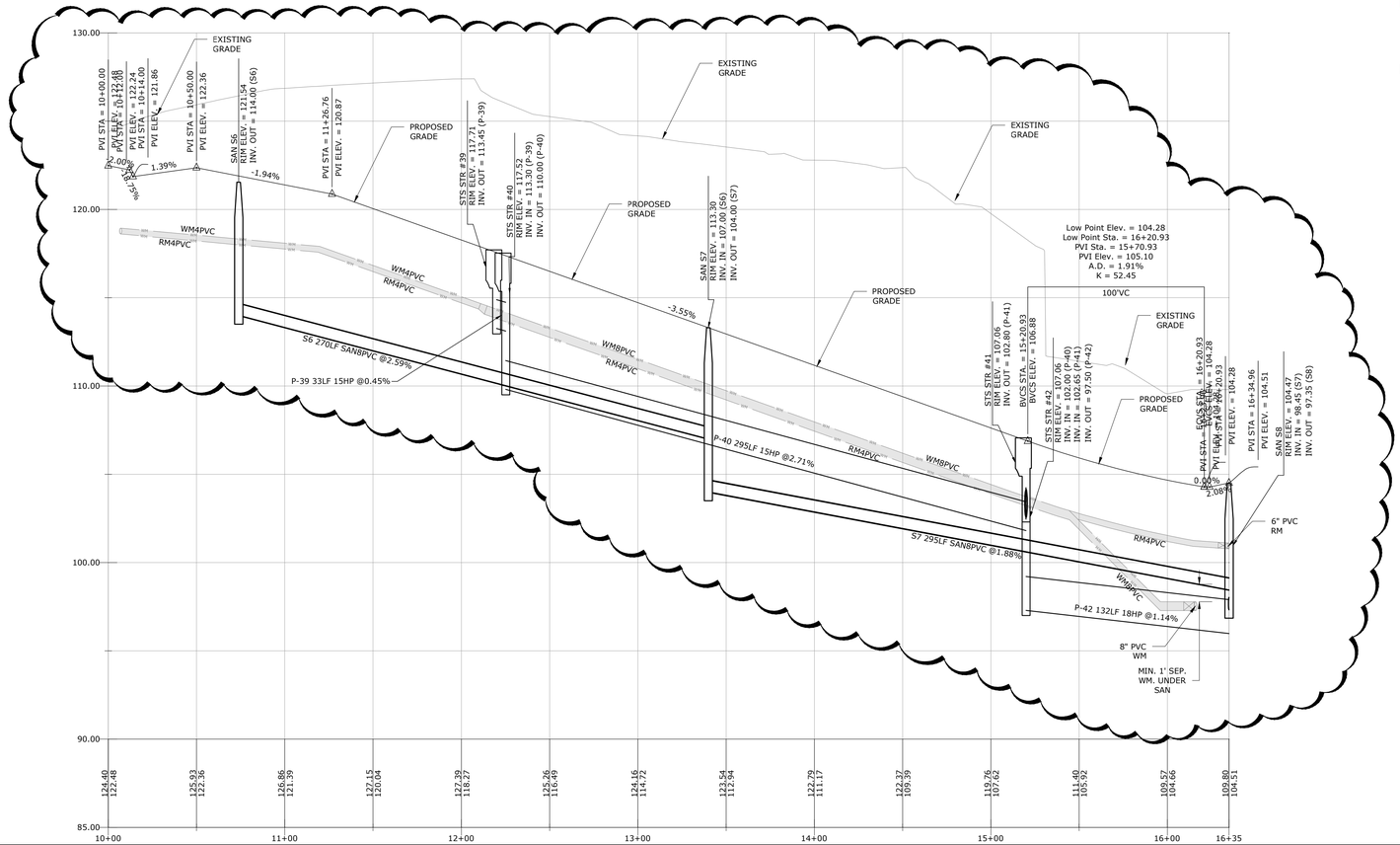
(IN FEET)
1 inch = 40 ft.

PLAN & PROFILE LEGEND



NOTE:
IF SEASONAL HIGH WATER IS NOT SHOWN ON PROFILE THEN ELEVATION IS LOWER THAN PROFILE DATUM ELEVATION.

PROFILE SCALE:
HORZ: 1" = 40'
VERT: 1" = 4'



G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Graff Ct P&P1

Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
FL Registration #58775
Date: Feb. 12, 2026
Certificate of Authorization #29665

Revisions

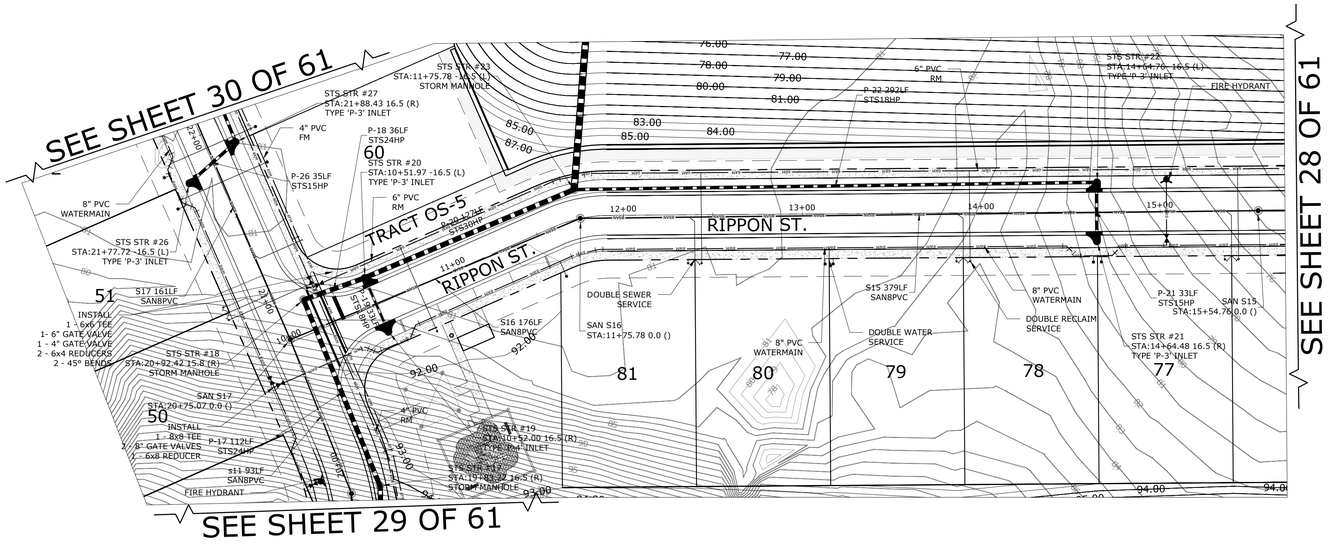
NO.	DATE	DESCRIPTION
1	04/05/23	Initial Submittal
2	05/30/23	Revised For Orange County 'E' Permit Comments
3	06/26/23	Revised For St. Johns ERP & Apopka Comments
4	07/27/23	Revised For Apopka Comments
5	08/29/23	Revised For Apopka Comments
6	02/12/26	Revised For Sorrento Ave. & Graff Ct
7	####	
8	####	
9	####	
10	####	

SHEET NUMBER
26 OF 61

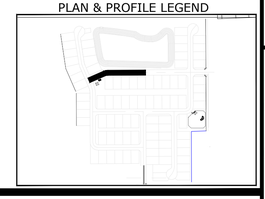
GRAPHIC SCALE

40 0 20 40 80 160

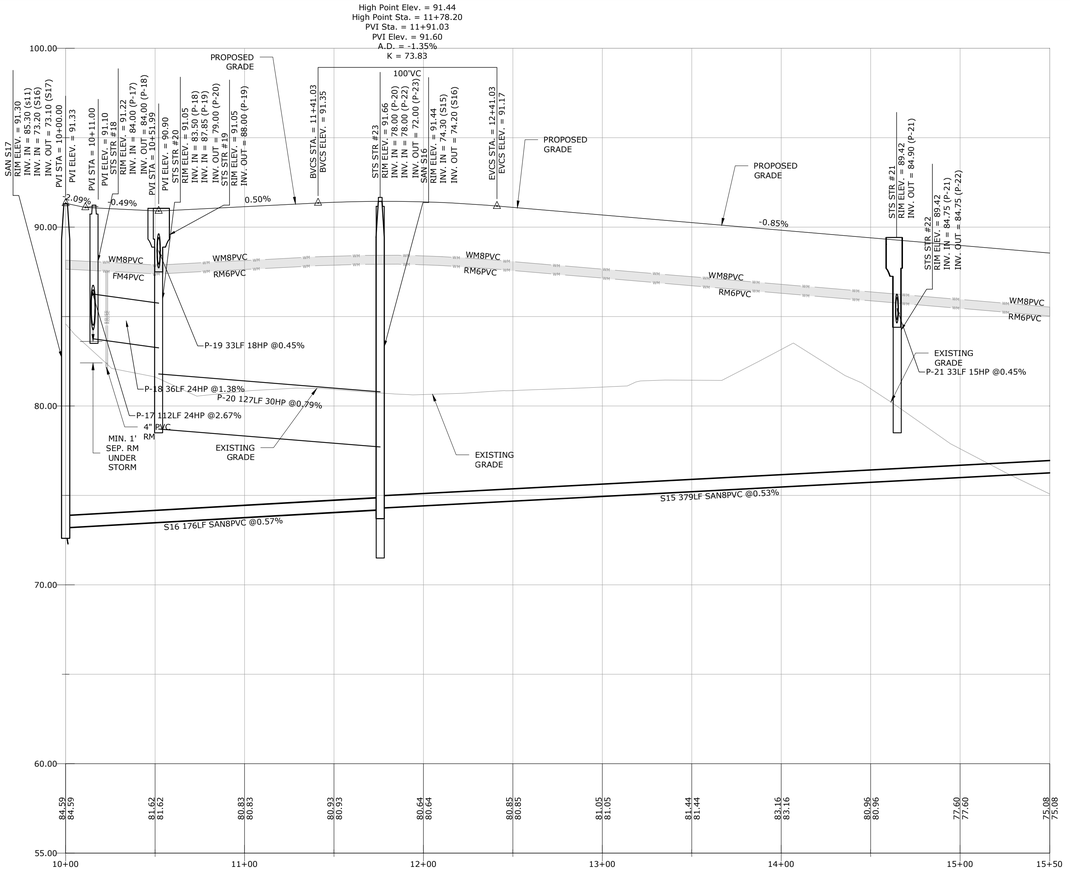
(IN FEET)
1 inch = 40 ft.



PLAN & PROFILE LEGEND



RIPPON ST.: STA: 10+00 - STA: 15+50



NOTE:
IF SEASONAL HIGH WATER IS NOT SHOWN ON PROFILE THEN ELEVATION IS LOWER THAN PROFILE DATUM ELEVATION.

PROFILE SCALE:
HORZ: 1" = 40'
VERT: 1" = 4'

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Rippon St.
P&P1

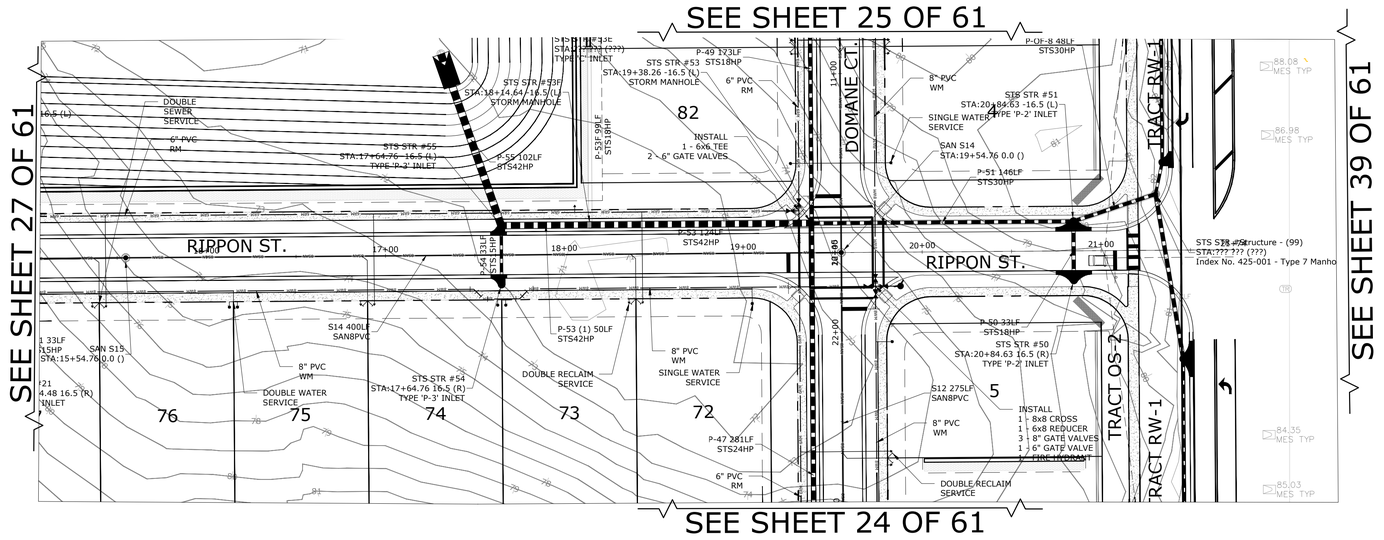
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: Feb. 12, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/04/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/28/25	Revised For Apopka Comments
5	08/28/25	Revised For Apopka Comments
6	02/12/26	Revised for Screen Acc. & Golf Ct & Construction Modification
7	#######	
8	#######	
9	#######	
10	#######	

SHEET NUMBER
27 OF 61



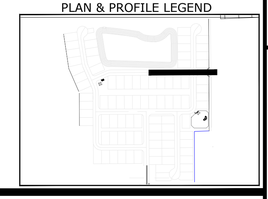
RIPPON ST.: STA: 10+00 - STA: 15+50

GRAPHIC SCALE

40 0 20 40 80 160

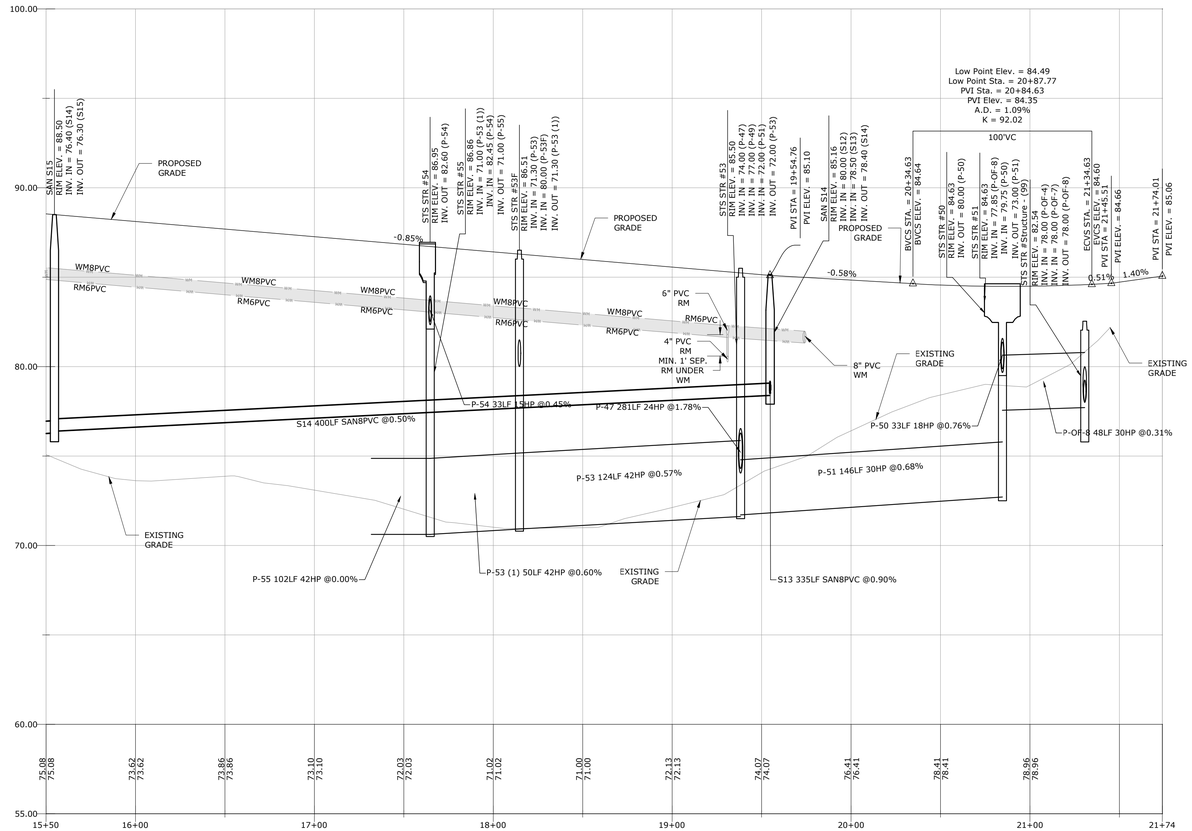
(IN FEET)
1 inch = 40 ft.

PLAN & PROFILE LEGEND



NOTE:
IF SEASONAL HIGH WATER IS NOT SHOWN ON PROFILE THEN ELEVATION IS LOWER THAN PROFILE DATUM ELEVATION.

PROFILE SCALE:
HORZ: 1" = 40'
VERT: 1" = 4'



G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Rippon St.
P&P2

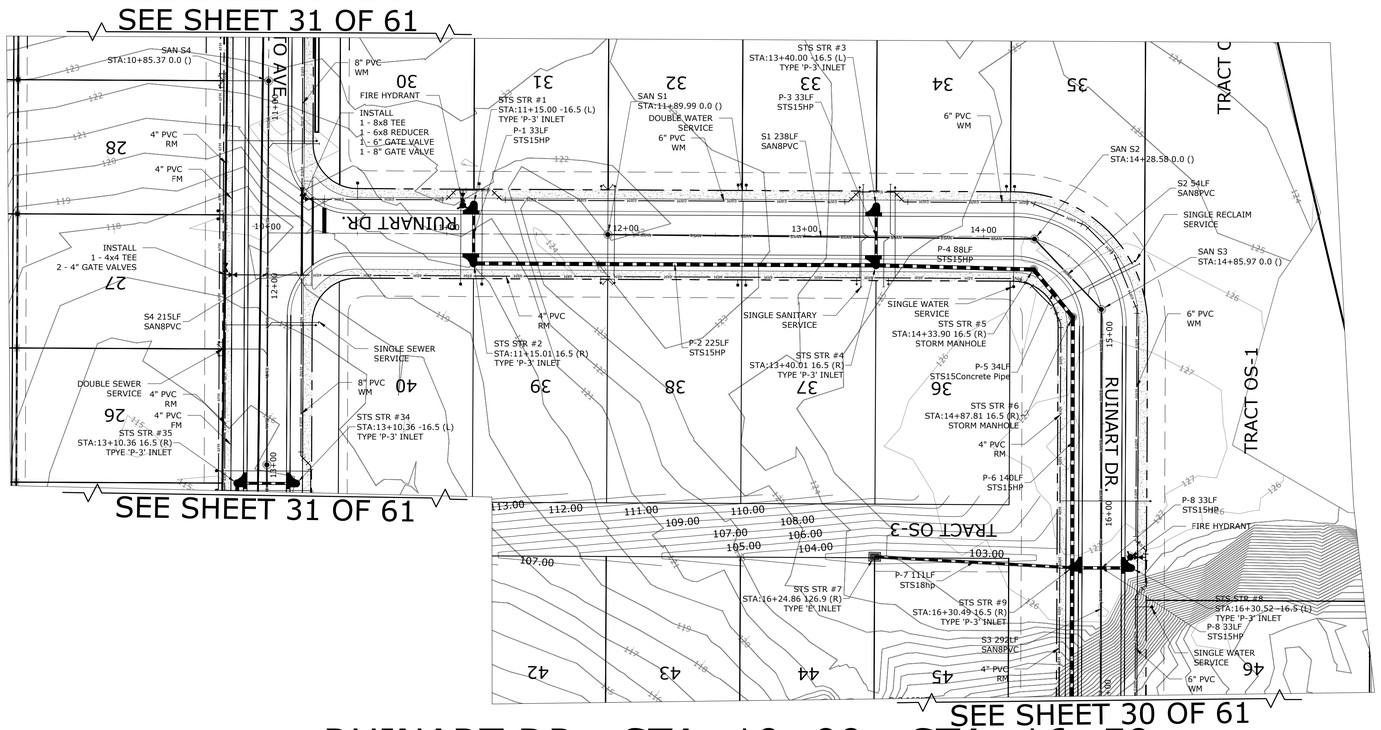
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: Feb. 12, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Resubmitted For Orange County 'E' Permit Comments
3	06/30/25	Resubmitted For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Second Re-Submittal For Amenity Area & Graded Pond Modification
7	####	
8	####	
9	####	
10	####	

SHEET NUMBER
28 OF 61



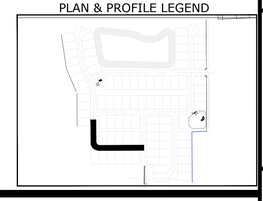
RUINART DR.: STA: 10+00 - STA: 16+50

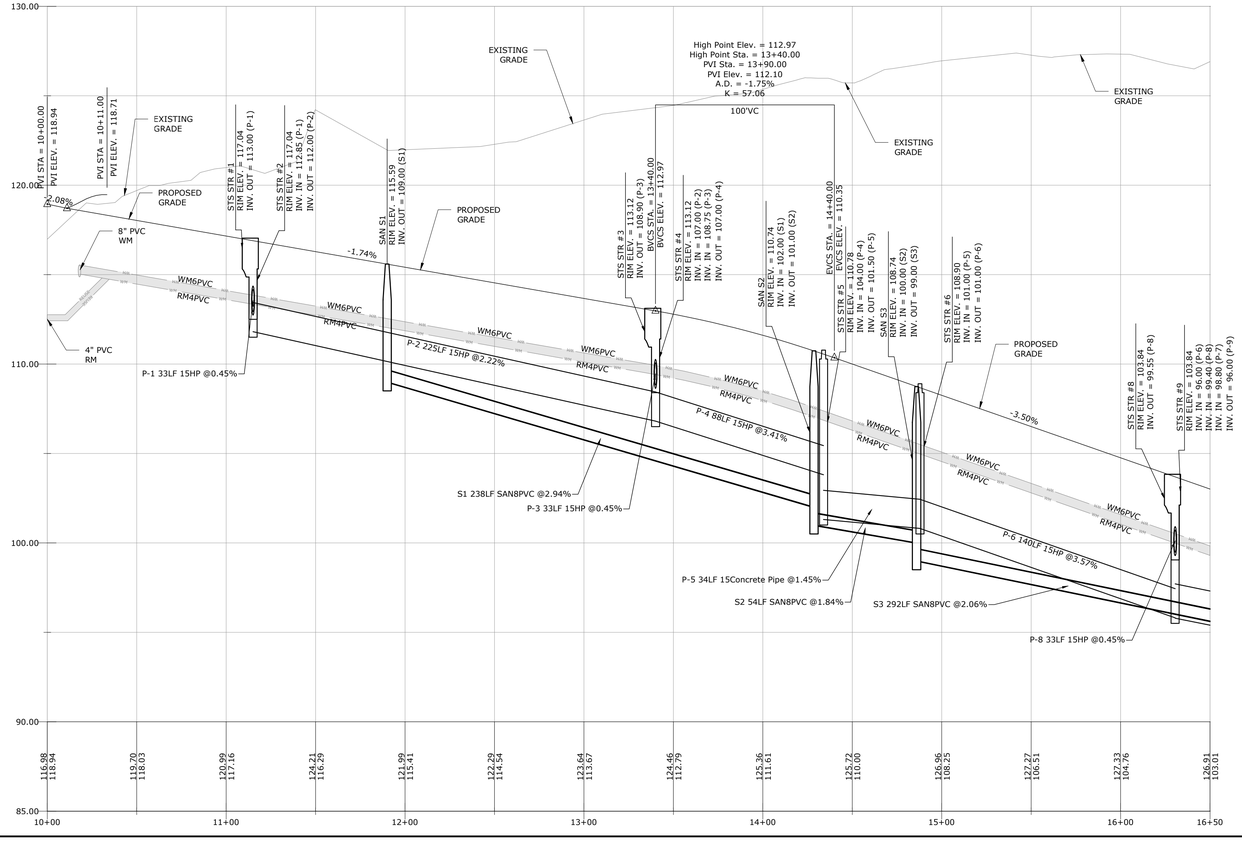
GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

PLAN & PROFILE LEGEND





NOTE:
IF SEASONAL HIGH WATER IS NOT SHOWN ON PROFILE THEN ELEVATION IS LOWER THAN PROFILE DATUM ELEVATION.

PROFILE SCALE:
HORZ: 1" = 40'
VERT: 1" = 4'

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Ruinart Dr
P&P1

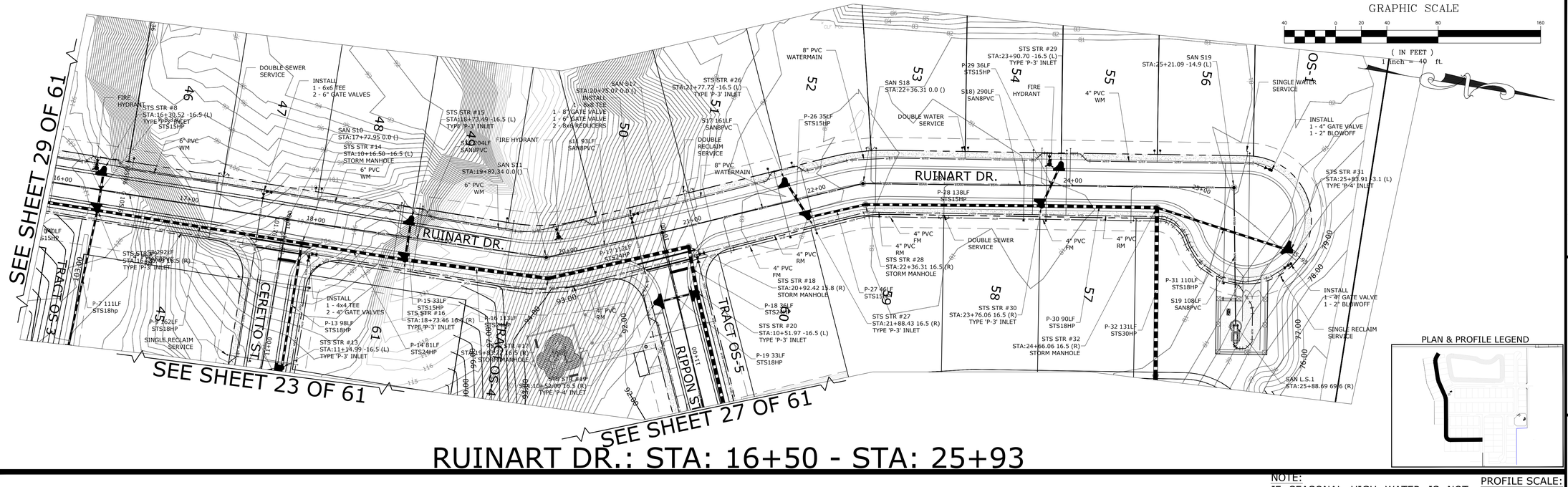
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: Feb. 12, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Sorrento Ave. & Graff Ct.
7	mm/dd/yy	
8	mm/dd/yy	
9	mm/dd/yy	
10	mm/dd/yy	

SHEET NUMBER
29 OF 61

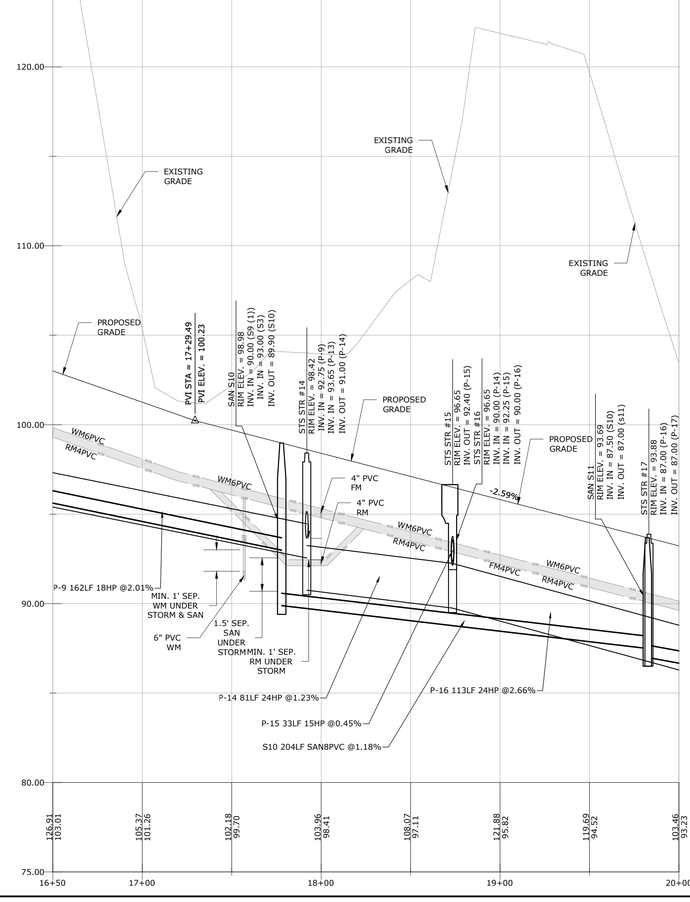


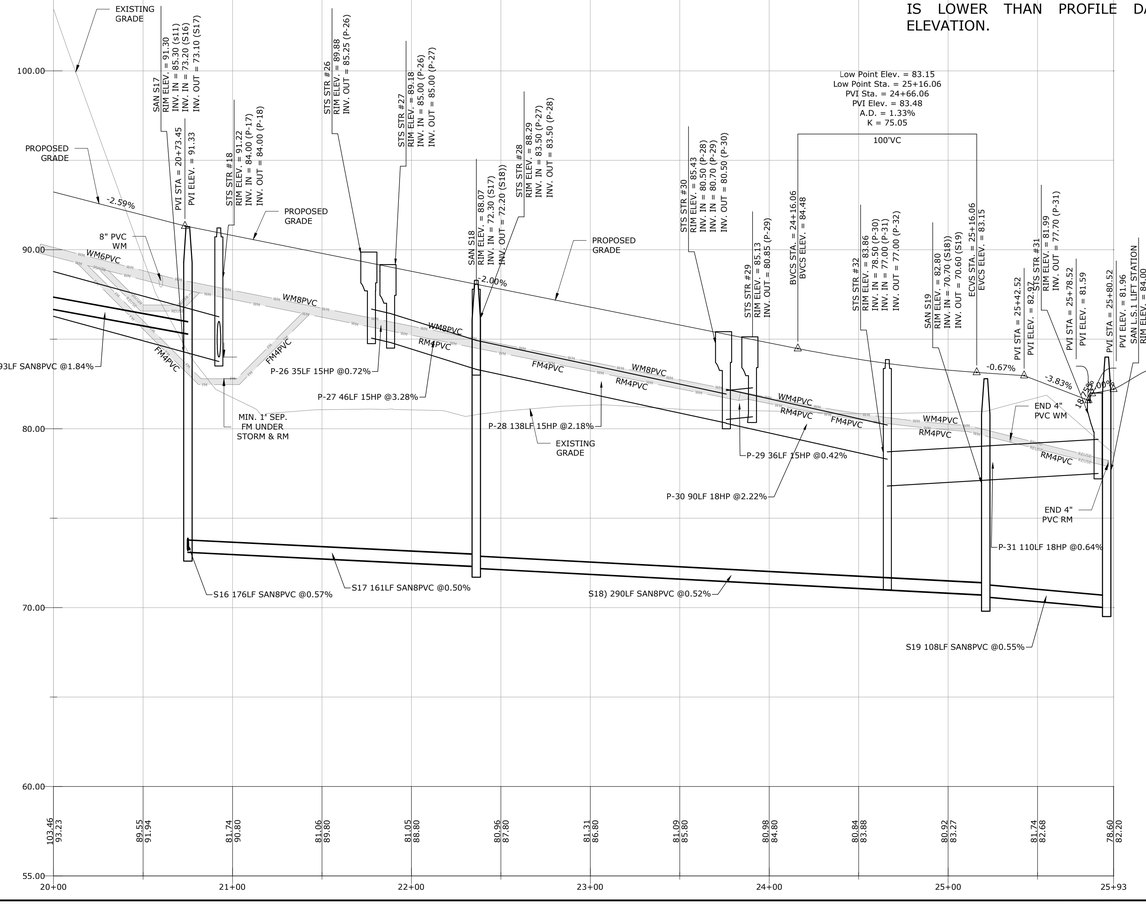
RUINART DR.: STA: 16+50 - STA: 25+93

PLAN & PROFILE LEGEND

NOTE:
IF SEASONAL HIGH WATER IS NOT SHOWN ON PROFILE THEN ELEVATION IS LOWER THAN PROFILE DATUM ELEVATION.

PROFILE SCALE:
HORZ: 1" = 40'
VERT: 1" = 4'





G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Ruinart Dr
P&P2

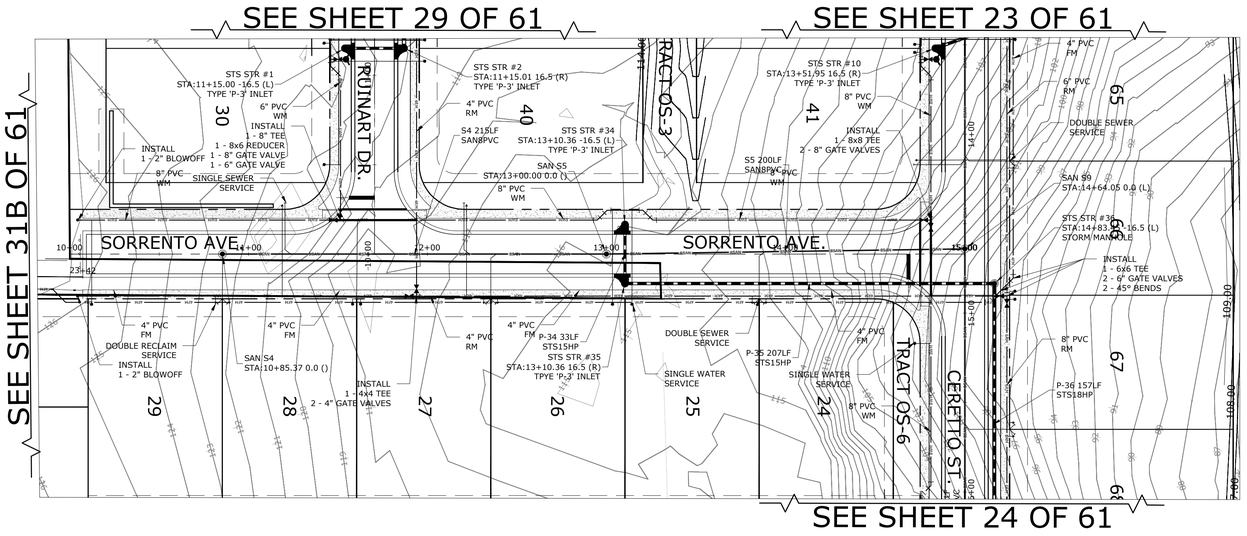
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: Feb. 12, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/04/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/28/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Sorrento Ave. & Graff Ct
7	##/##	
8	##/##	
9	##/##	
10	##/##	

SHEET NUMBER
30 OF 61

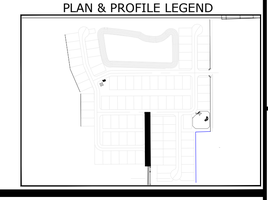


GRAPHIC SCALE

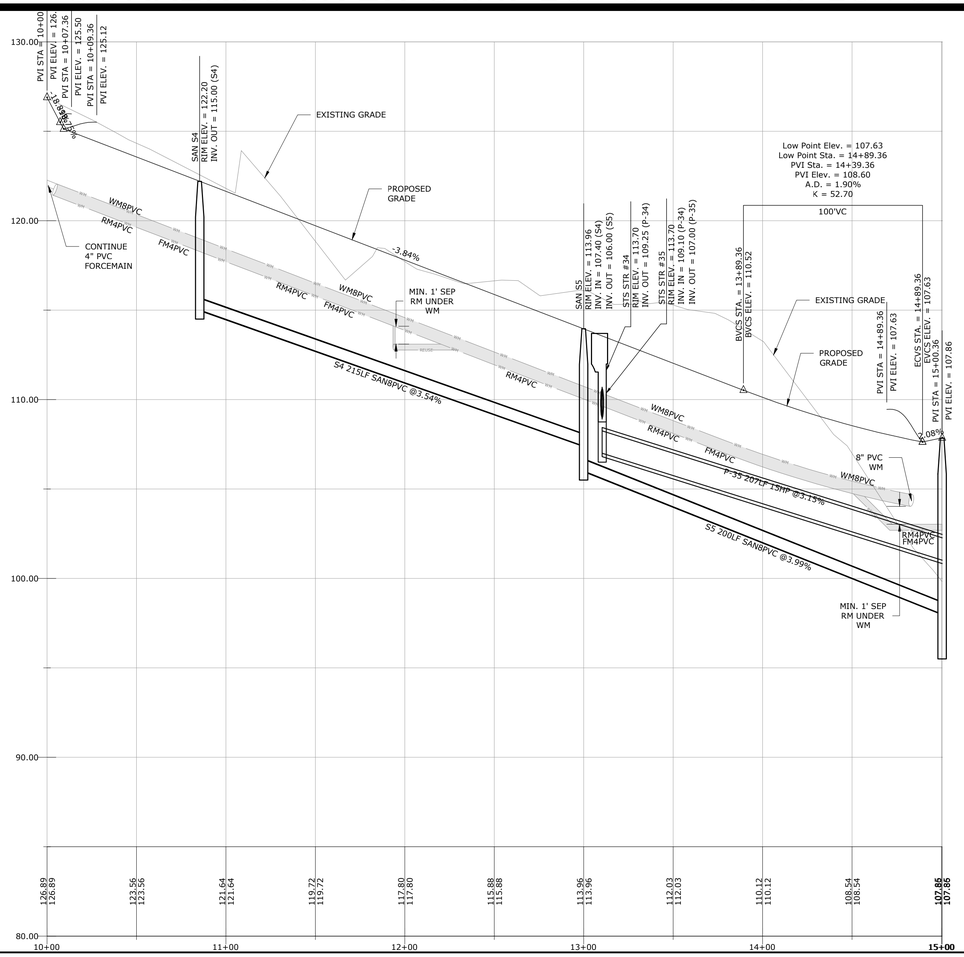
40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.

PLAN & PROFILE LEGEND



SORRENTO AVE.: STA: 10+00 - STA: 15+00



NOTE:
IF SEASONAL HIGH WATER IS NOT SHOWN ON PROFILE THEN ELEVATION IS LOWER THAN PROFILE DATUM ELEVATION.

PROFILE SCALE:
HORZ: 1" = 40'
VERT: 1" = 4'

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Sorrento Ave. P&P1

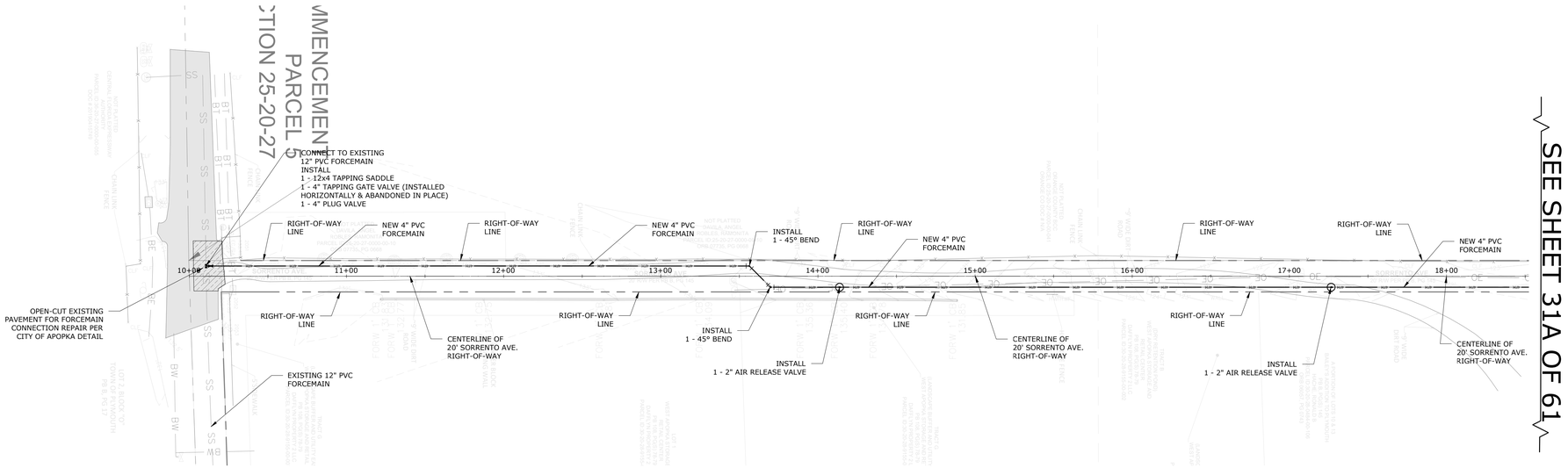
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: Feb. 12, 2026
FL Registration #58775
Certificate of Authorization #29665

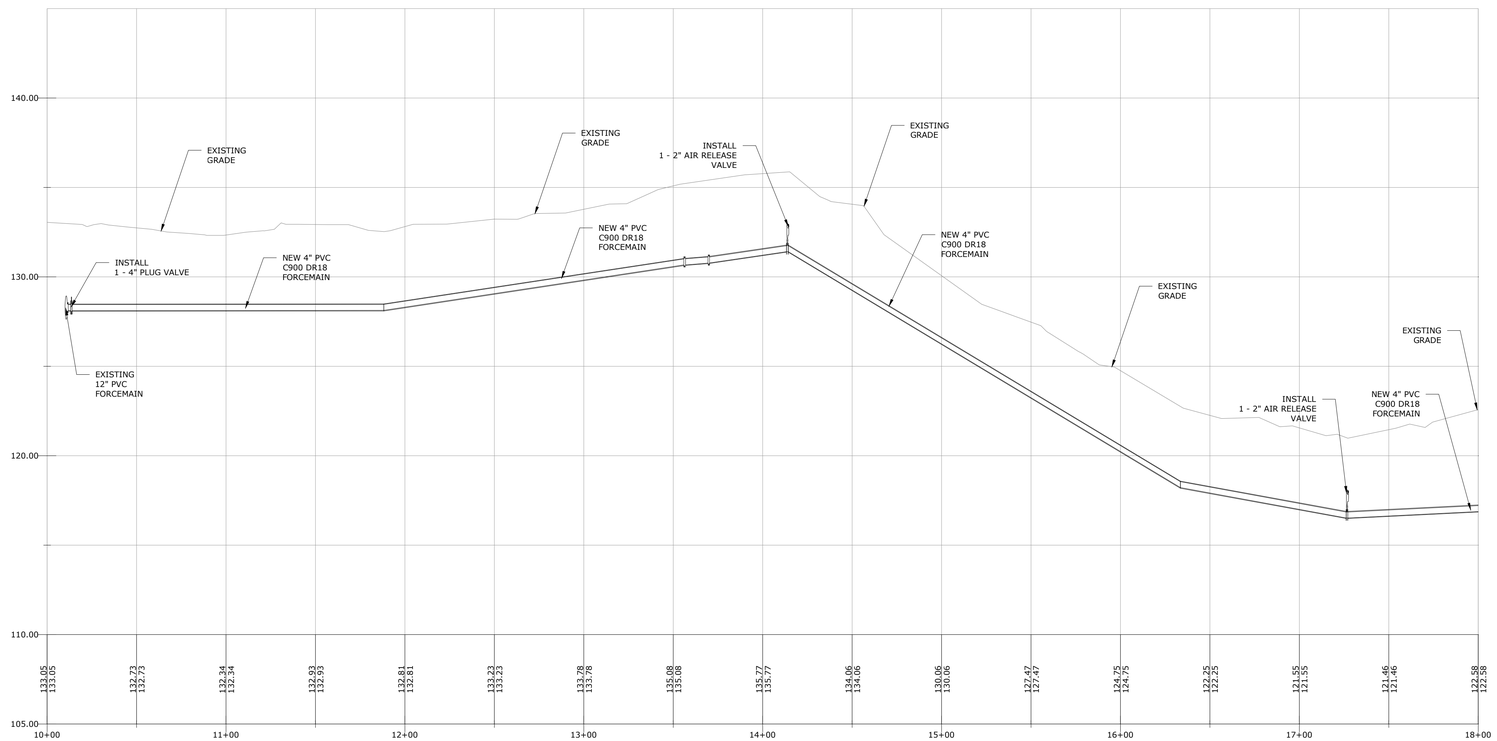
Revisions

NO.	DATE	DESCRIPTION
1	04/03/25	Initial Submittal
2	05/30/25	Revised For Orange County 'F' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Sorrento Ave. & Graff Ct
7	####	
8	####	
9	####	
10	####	

SHEET NUMBER
31 OF 61



SORRENTO AVE. FORCEMAIN: STA: 10+00 - STA: 18+00



NOTE:
IF SEASONAL HIGH WATER IS NOT SHOWN ON PROFILE THEN ELEVATION IS LOWER THAN PROFILE DATUM ELEVATION.

PROFILE SCALE:
HORZ: 1" = 40'
VERT: 1" = 4'

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Sorrento Ave P&P - Sorrento Ave FM1

Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: Feb. 12, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

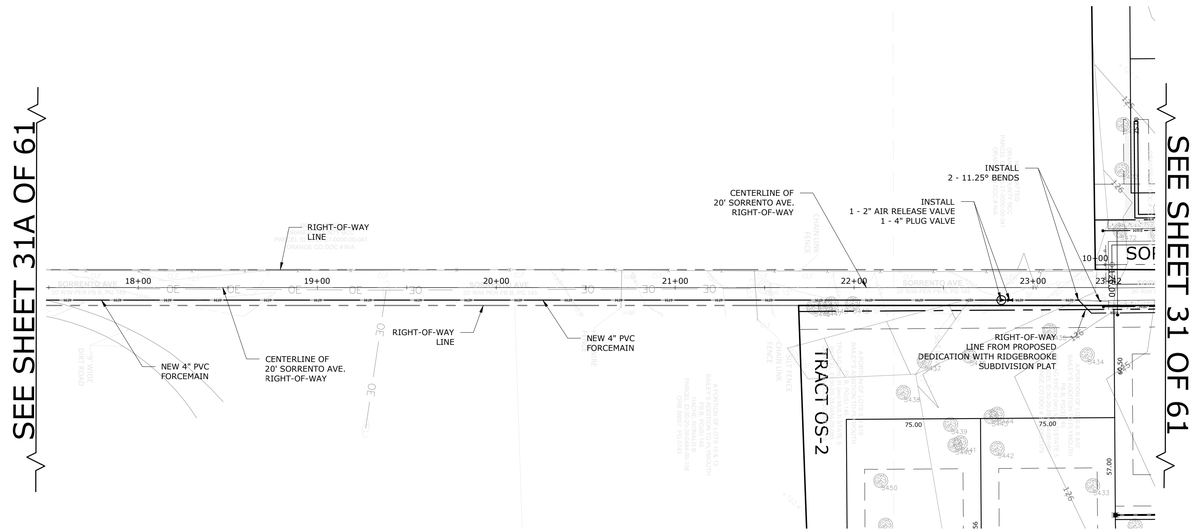
NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County TC Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Sorrento Ave. & Graff Ct
7		
8		
9		
10		

SHEET NUMBER
31AOF 61

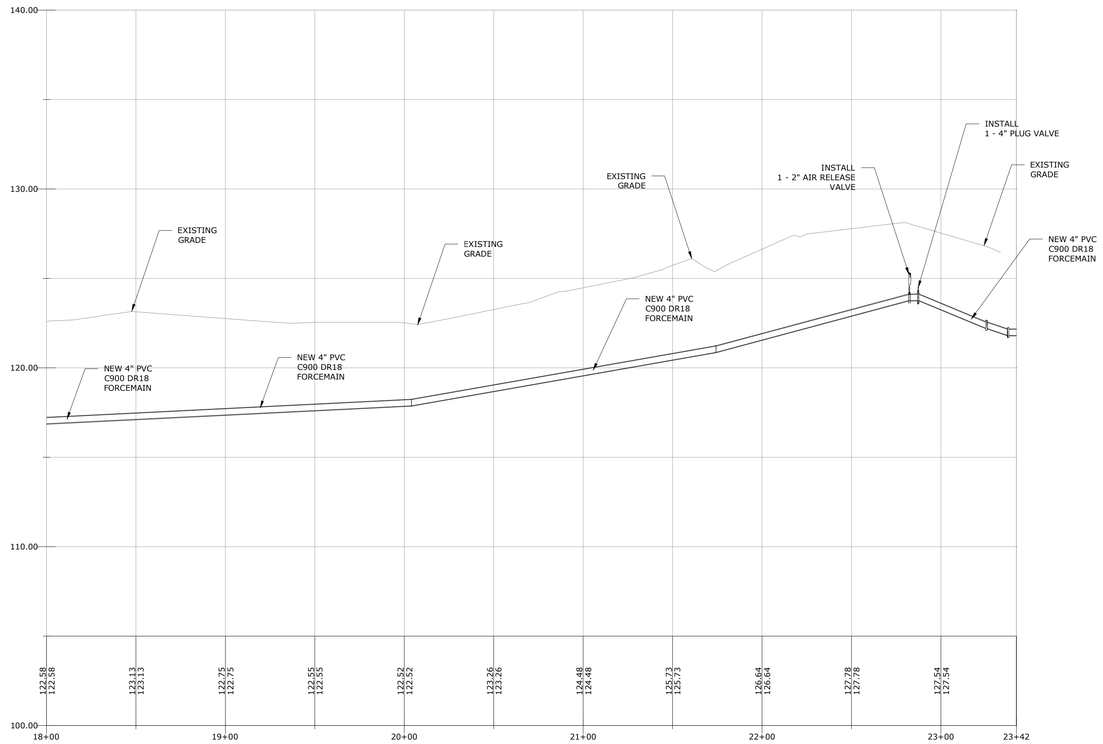
GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 40 ft.



SORRENTO AVE. FORCEMAIN: STA: 18+00 - STA: 23+42



NOTE:
IF SEASONAL HIGH WATER IS NOT SHOWN ON PROFILE THEN ELEVATION IS LOWER THAN PROFILE DATUM ELEVATION.

PROFILE SCALE:
HORZ: 1" = 40'
VERT: 1" = 4'

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Sorrento Ave P&P - Sorrento Ave FM2

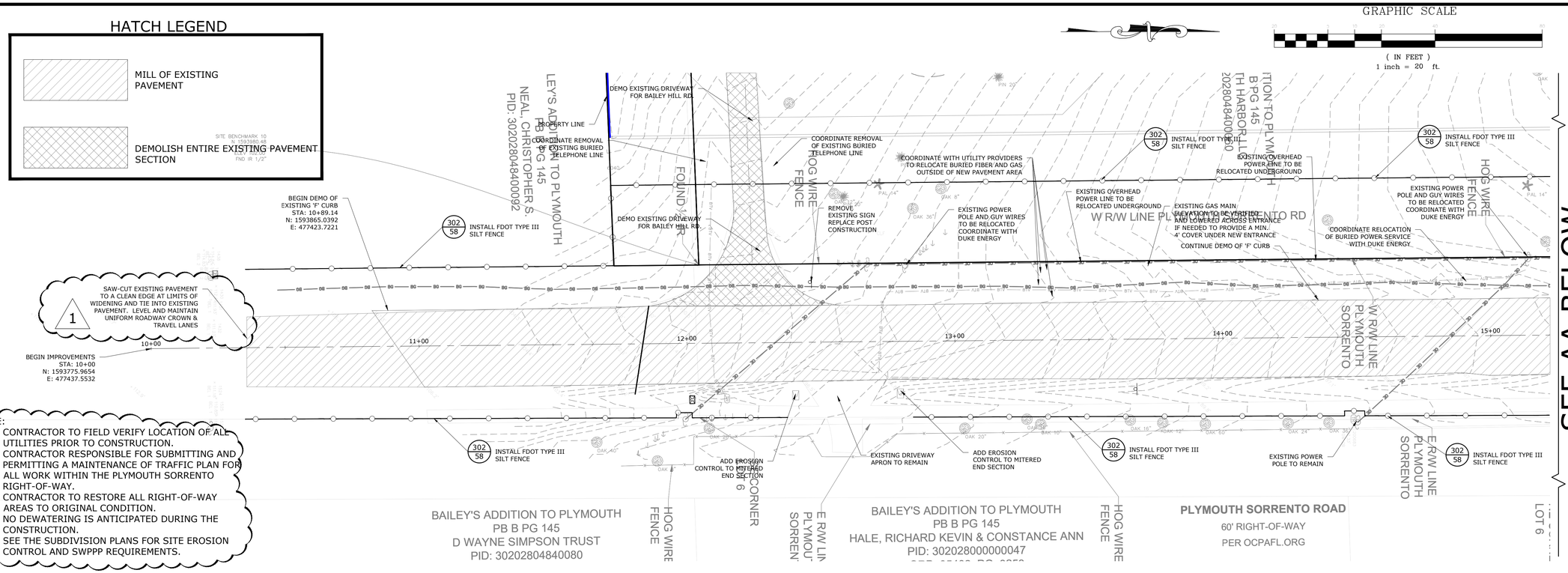
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: Feb. 12, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

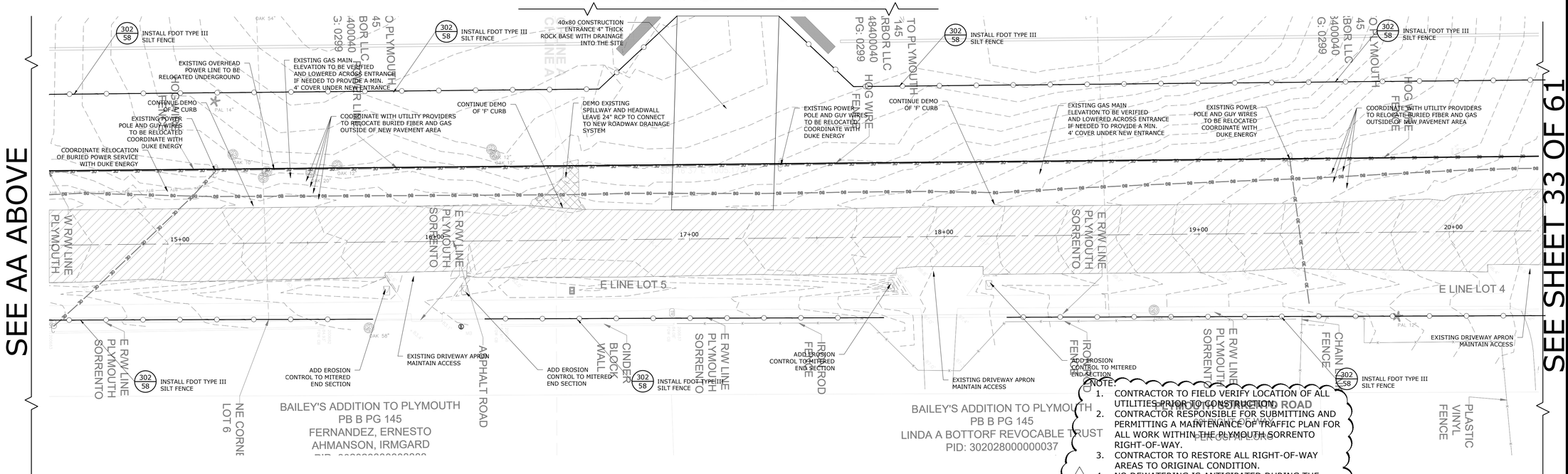
NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County TC Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Sorrento Ave. & Graff Ct
7		
8		
9		
10		

SHEET NUMBER
31BOF 61



PLYMOUTH SORRENTO ROAD DEMO & EROSION PLAN (45 MPH POSTED/DESIGN SPEED)

SEE RIDGEBROOK CSP



PLYMOUTH SORRENTO ROAD DEMO & EROSION PLAN (45 MPH POSTED/DESIGN SPEED)

O.C. E Permit: 25-E-076

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan
Plymouth Sorrento Rd. Demo & Erosion Control
1

Plans not valid unless Signed, Dated and Sealed below.

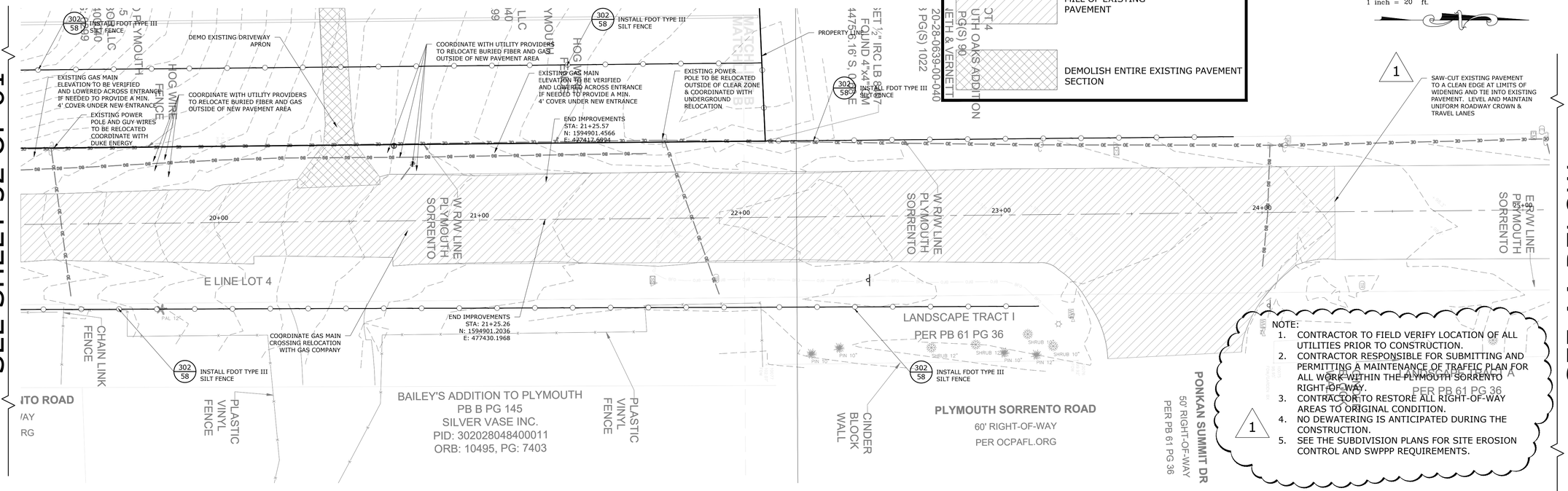
GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/28/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Sarasota Ave. & Graffiti & Construction Modification
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9		
10		

SHEET NUMBER
32 OF 61

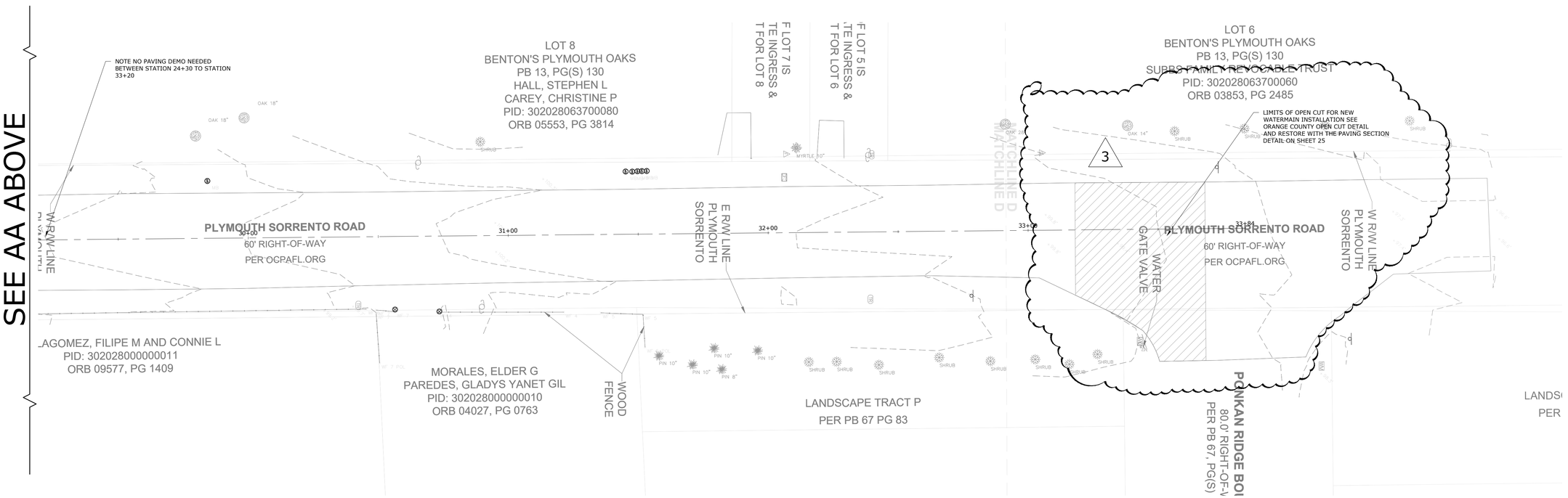
SEE SHEET 32 OF 61



SEE AA BELOW

PLYMOUTH SORRENTO ROAD DEMO & EROSION PLAN (45 MPH POSTED/DESIGN SPEED)

SEE AA ABOVE



PLYMOUTH SORRENTO ROAD DEMO & EROSION PLAN (45 MPH POSTED/DESIGN SPEED)

O.C. E Permit: 25-E-076

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Plymouth Sorrento Rd. Demo & Erosion Control Plan 2

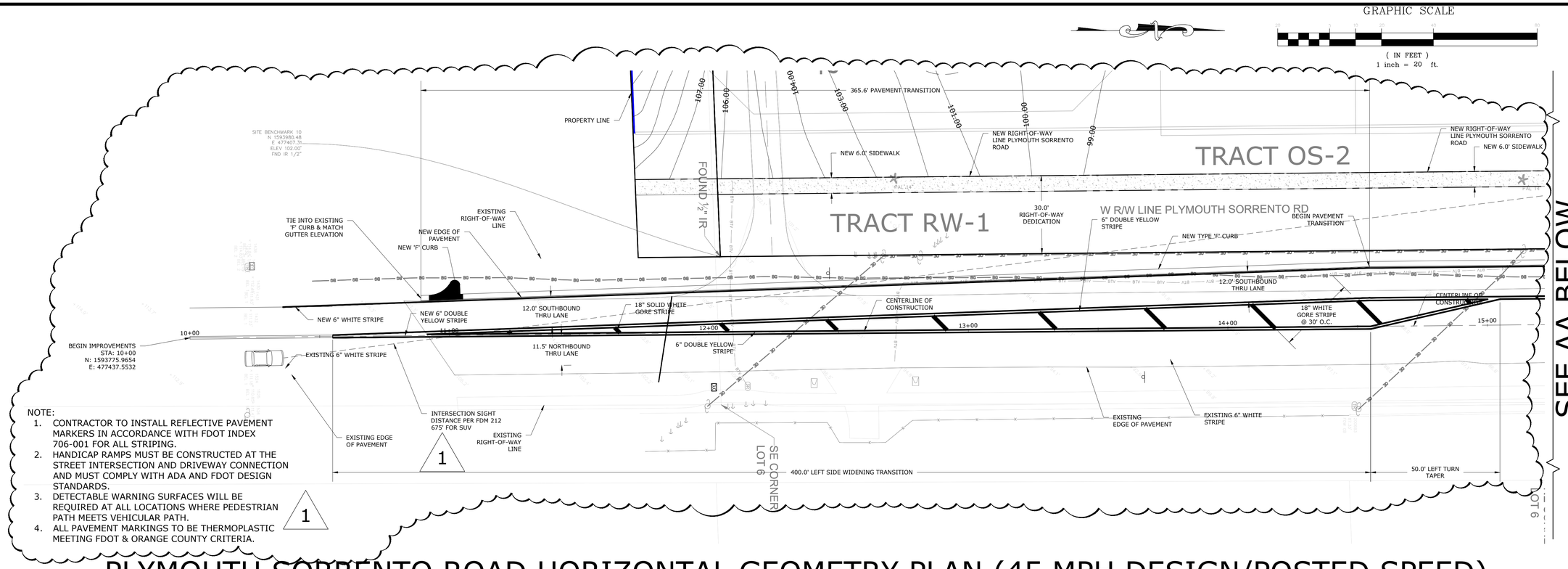
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County TC Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Sewers Ave. & Guyll Ct & Construction Modification
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9		
10		

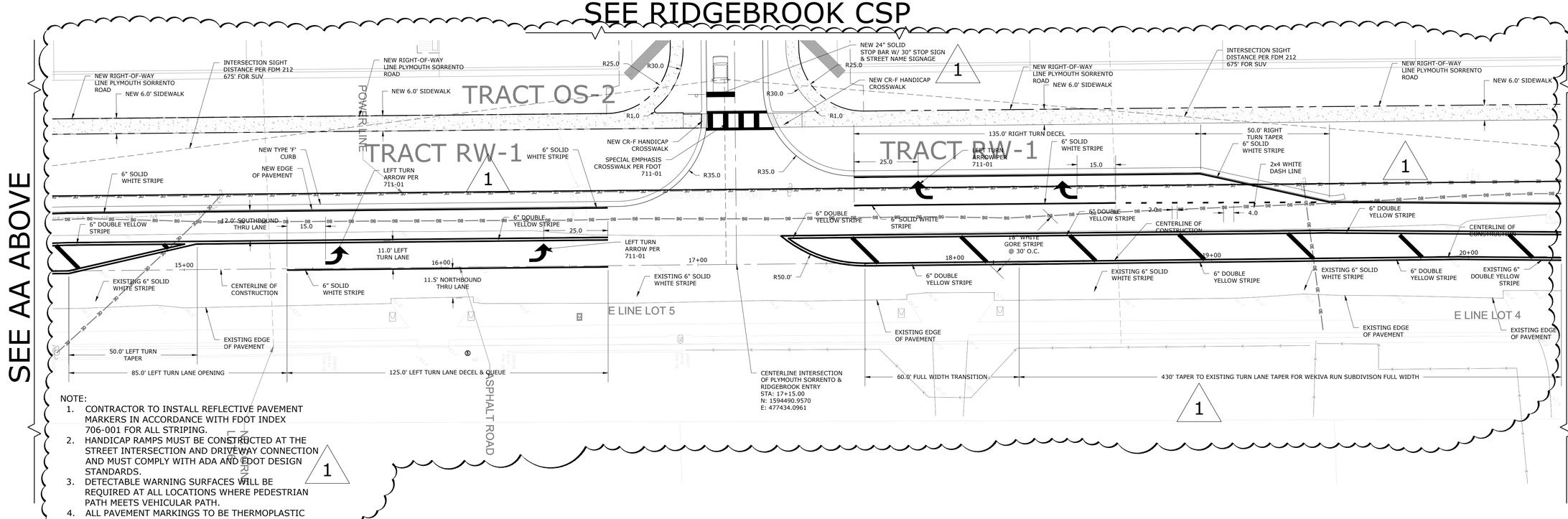
SHEET NUMBER
33 OF 61



NOTE:
1. CONTRACTOR TO INSTALL REFLECTIVE PAVEMENT MARKERS IN ACCORDANCE WITH FDOT INDEX 706-001 FOR ALL STRIPING.
2. HANDICAP RAMPS MUST BE CONSTRUCTED AT THE STREET INTERSECTION AND DRIVEWAY CONNECTION AND MUST COMPLY WITH ADA AND FDOT DESIGN STANDARDS.
3. DETECTABLE WARNING SURFACES WILL BE REQUIRED AT ALL LOCATIONS WHERE PEDESTRIAN PATH MEETS VEHICULAR PATH.
4. ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC MEETING FDOT & ORANGE COUNTY CRITERIA.

PLYMOUTH SORRENTO ROAD HORIZONTAL GEOMETRY PLAN (45 MPH DESIGN/POSTED SPEED)

SEE RIDGEBROOK CSP



NOTE:
1. CONTRACTOR TO INSTALL REFLECTIVE PAVEMENT MARKERS IN ACCORDANCE WITH FDOT INDEX 706-001 FOR ALL STRIPING.
2. HANDICAP RAMPS MUST BE CONSTRUCTED AT THE STREET INTERSECTION AND DRIVEWAY CONNECTION AND MUST COMPLY WITH ADA AND FDOT DESIGN STANDARDS.
3. DETECTABLE WARNING SURFACES WILL BE REQUIRED AT ALL LOCATIONS WHERE PEDESTRIAN PATH MEETS VEHICULAR PATH.
4. ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC MEETING FDOT & ORANGE COUNTY CRITERIA.

PLYMOUTH SORRENTO ROAD HORIZONTAL GEOMETRY PLAN (45 MPH DESIGN/POSTED SPEED)

O.C.E Permit: 25-E-076

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Plymouth Sorrento Rd. Horizontal Geometry 1

Plans not valid unless Signed, Dated and Sealed below.

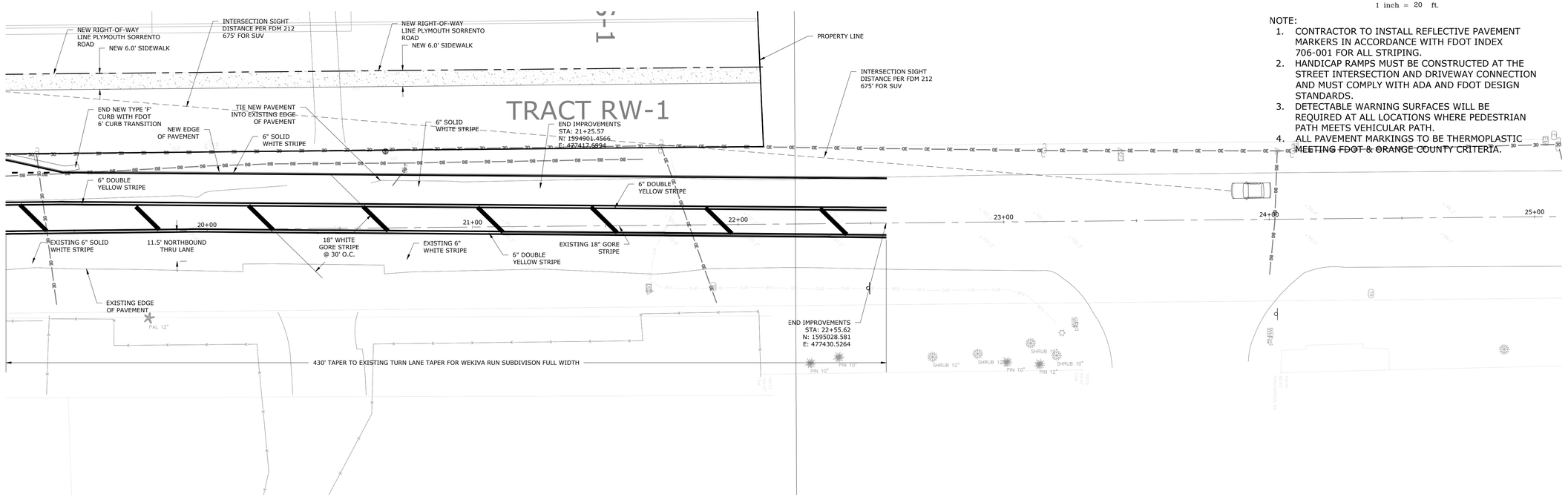
GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Sorrento Ave. & Golf Ct & Construction Modification
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9		
10		

SHEET NUMBER
34 OF 61

SEE SHEET 34 OF 61



GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

NOTE:
1. CONTRACTOR TO INSTALL REFLECTIVE PAVEMENT MARKERS IN ACCORDANCE WITH FDOT INDEX 706-001 FOR ALL STRIPING.
2. HANDICAP RAMPS MUST BE CONSTRUCTED AT THE STREET INTERSECTION AND DRIVEWAY CONNECTION AND MUST COMPLY WITH ADA AND FDOT DESIGN STANDARDS.
3. DETECTABLE WARNING SURFACES WILL BE REQUIRED AT ALL LOCATIONS WHERE PEDESTRIAN PATH MEETS VEHICULAR PATH.
4. ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC MEETING FDOT & ORANGE COUNTY CRITERIA.

PLYMOUTH SORRENTO ROAD HORIZONTAL GEOMETRY PLAN (45 MPH DESIGN/POSTED SPEED)

Signage Table		
Signage Label	Quantity	Size
R1-1 Stop Sign	1	30x30
D3-1 "Street Name Sign"	2	9x12

NOTE:
1. 9 INCH SIGN BLADES SHALL BE USED AT ENTRANCES TO SUBDIVISIONS AT MAJOR STREETS.
2. 6 ¾ INCH SIGN BLADES SHALL BE USED WITHIN A SUBDIVISION.
3. FONT DIMENSIONS AND SPACING SHALL NOT BE MODIFIED.
4. STREET IDS SHALL BE 2 SINGLE-SIDED SIGNS PLACED BACK TO BACK WITH RIVETED ENDS.
5. SIGN BLADES SHALL BE MOUNTED TO POLES USING 5/16 INCH STAINLESS STEEL 2 ½ INCH BOLTS WITH NUTS.
6. REFER TO THE STANDARD HIGHWAY SIGNS MANUAL AS A POINT OF REFERENCE. HTTPS://MUTCD.FHWA.DOT.GOV/SER-SHS_MILLENNIUM_ENG.HTM

O.C. E Permit: 25-E-076

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction
Site Plan

Plymouth Sorrento Rd. Horizontal Geometry 2

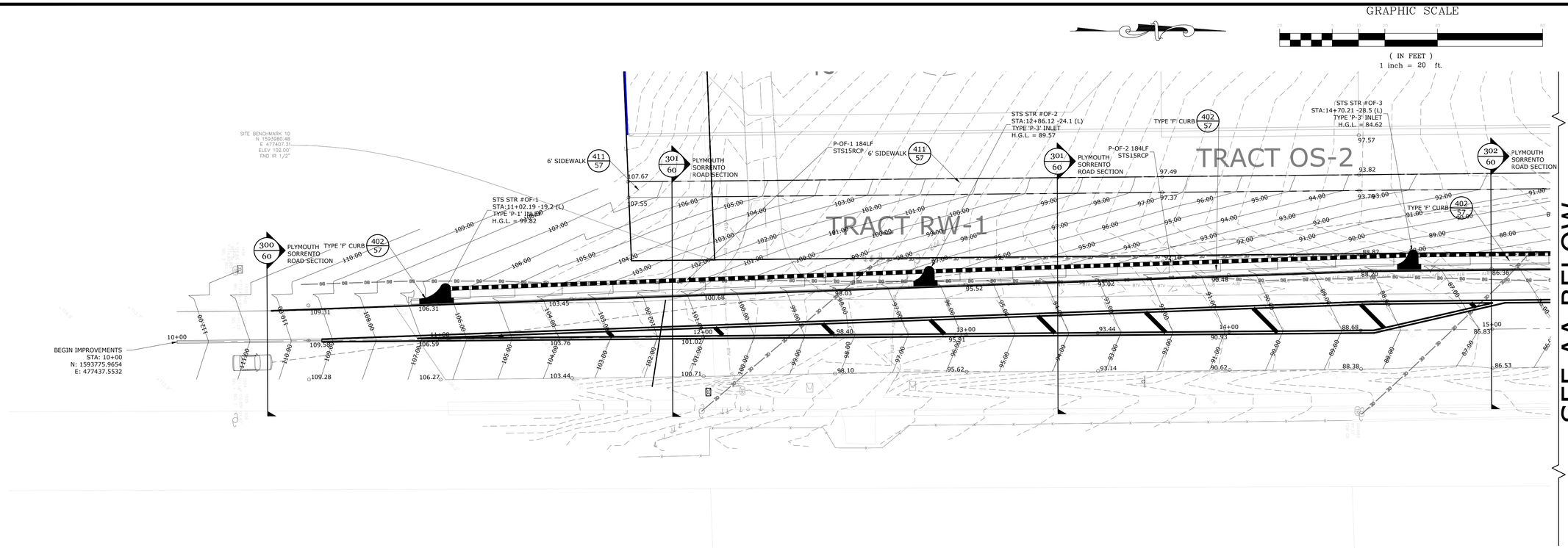
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

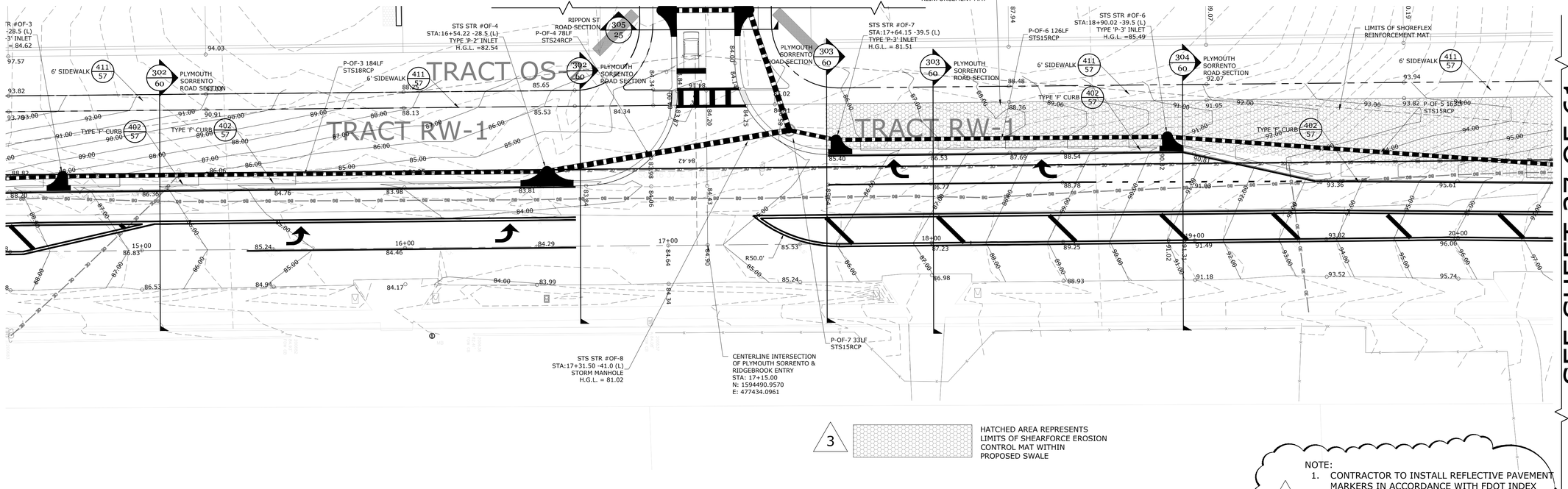
NO.	DATE	DESCRIPTION
1	04/05/23	Initial Submittal
2	05/30/23	Revised For Orange County 'E' Permit Comments
3	06/30/23	Revised For St. Johns ERP & Apopka Comments
4	07/27/23	Revised For Apopka Comments
5	08/29/23	Revised For Apopka Comments
6	02/12/26	Revised For Screen Acc & GuiFO & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	—	—
10	—	—

SHEET NUMBER
35 OF 61



PLYMOUTH SORRENTO ROAD PAVING & DRAINAGE PLAN (45 MPH DESIGN/POSTED SPEED)

SEE RIDGEBROOK CSP



PLYMOUTH SORRENTO ROAD PAVING & DRAINAGE PLAN (45 MPH DESIGN/POSTED SPEED)

O.C. E Permit: 25-E-076

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Plymouth Sorrento Rd. Paving & Drainage 1

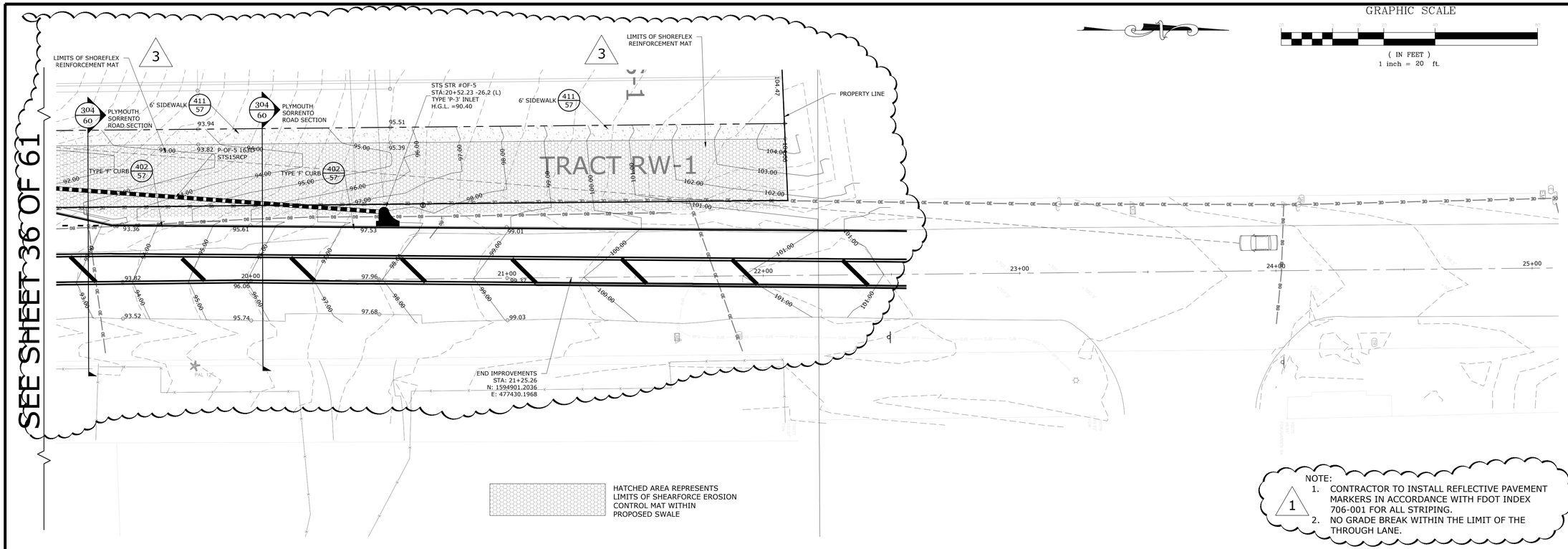
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Sarasota Ave. & Graff Pl & Construction Modification
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9		
10		

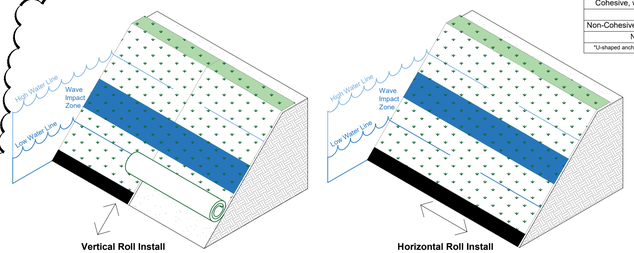
SHEET NUMBER
36 OF 61

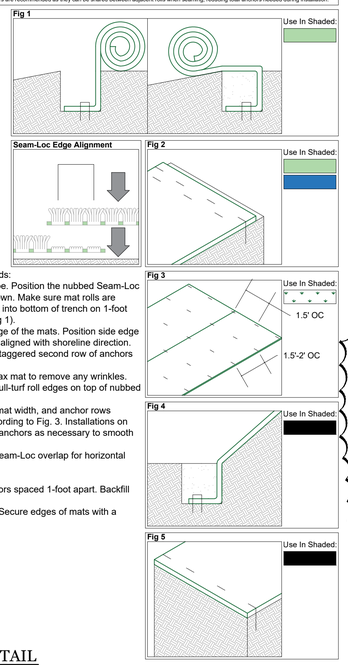


PLYMOUTH SORRENTO ROAD PAVING & DRAINAGE PLAN (45 MPH DESIGN/POSTED SPEED)

ShearForce10 Recommended Anchors		
Soil Type	***Minimum Anchor**	**Alternate Anchors**
Cohesive, well compacted or undisturbed	8"x2"x8" wire U-staple	12" Fabric Pin, 8" Plastic Stake
Cohesive, loose	12"x2"x12" wire U-staple	18" Fabric Pin, 12" Plastic Stake
Non-Cohesive, well compacted or undisturbed	12"x2"x12" ¼" Rebar U-staple	24" Fabric Pin, 18" Earth Anchor
Non-Cohesive, loose	18"x2"x18", ¾" Rebar U-staple	36" Percussion Earth Anchor

*U-shaped anchors are recommended as they can be shared between adjacent rolls when seaming, reducing total anchors needed during installation.





Installation Guidelines

1. **Select appropriate anchors for matting based on soil type and consistency (See Recommended Anchors table).**
2. **Prepare seedbed,** create a smooth soil surface and eliminate any existing rills, soil clods, sticks or rocks larger than 2-inches in diameter. Any soil used to rill rills or low spots must be adequately compacted before seedbed preparation.
3. **Apply seed and fertilizer,** and other amendments at the specified rates, either by broadcasting, drilling or hydro-seeding.
4. **Position and anchor leading edge of mats at the top of, or over the shoulder of shoreline slope** with one of the following acceptable methods:
   - 4.1. **6-inch Covered Anchor Trench (Figure 1).** Construct a 6-inch wide by 6-inch deep anchor trench across the top width of the shoreline slope. Position the nubbed Seam-Loc side edge of the mats (or leading edge for vertical installations) in the bottom of the trench, with the topside (simulated turf surface) facing down. Make sure mat rolls are properly aligned with shoreline direction. Position adjacent rolls according to Step 5 (to ensure proper overlap), and anchor edges of all mats into bottom of trench on 1-foot centers. Backfill trench, compact soil and apply additional seed to compacted soil surface. Unroll material over compacted anchor trench (Fig 1).
   - 4.2. **Double Row Anchor Check (Figure 2).** Where trenching is not practical or desired, an anchor check may be used to secure the leading edge of the mats. Position side edge of the mats (or leading edges for vertical installations) with the topside (simulated turf surface) facing up, ensuring that mat rolls are properly aligned with shoreline direction. Position any adjacent rolls according to Step 6. Secure side, or leading edges, of mats with a row of anchors spaced 6-inches apart, with a staggered second row of anchors spaced 6-inches apart, approx. 6-inches behind the first row.
5. **Seam adjacent rolls (Seam-Loc Detail),** unroll material across (horizontally) or down (vertically) the shoreline slope face, slightly stretch and relax mat to remove any wrinkles. Let unrolled mats rest in sunlight for a minimum of 15 minutes to normalize surface temperature before anchoring. Overlap roll edges by placing full-turf roll edges on top of nubbed Seam-Loc edges (2-inch turf inset) of adjacent rolls. If necessary, simply step on overlaps to flatten and snap Seam-Loc edges together.
6. **Anchor mats to soil (Figure 3).** Starting at the top and working downslope, fasten mats with a row of anchors spaced 1.5-feet apart across the mat width, and anchor rows spaced 1.5 - 2.0-feet apart down the mat length, making sure all overlaps and factory pre-fabricated seams (6-ft wide rolls only) are secured, according to Fig. 3. Installations on non-cohesive sandy soils and/or mats within the normal wave impact zone, should use the 1.5-foot row spacing along mat length. Use additional anchors as necessary to smooth any remaining wrinkles and ensure that mats are in intimate contact with the underlying soil surface..
7. **Anchor** all seams located directly in the wave impact zone with a Single Row Anchor Check on both roll ends for vertical installations or on the Seam-Loc overlap for horizontal installations (see Figure 5).
8. **Anchor terminal roll edges or ends at, or below, low waterline** with one of the following acceptable methods:
   - 8.1. **6-inch Anchor Trench (Figure 4).** Construct a 6-inch wide by 6-inch deep anchor trench and fasten edge of mats into the bottom with anchors spaced 1-foot apart. Backfill trench, compact soil and apply additional seed (if desired) to compacted soil surface. (Figure 4)
   - 8.2. **Single Row Anchor Check (Figure 5)**. Where trenching is not practical or desired, an anchor check mat be used to secure the mat edges. Secure edges of mats with a single row of anchors spaced 6-inches apart. (Figure 5)

900 - SHEARFORCE 10 SLOPE PROTECTION DETAIL N.T.S.

O.C. E Permit: 25-E-076

G L SUMMITT ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Plymouth Sorrento Rd. Paving & Drainage 2

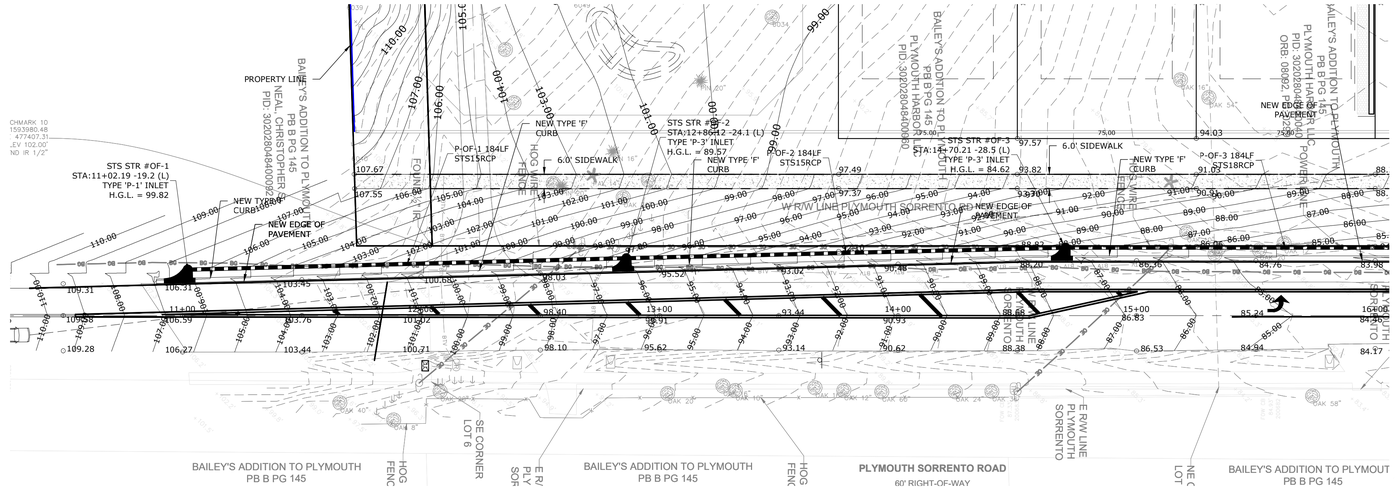
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County, 37 Permit Comments
3	06/26/25	Revised For St. Johns ERP & Apopka Comments
4	07/28/25	Revised For Apopka Comments
5	09/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Screen Are. & Golf Ct & Generator Modification
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Width Of Selected Lots To 125' Deep
9	— —	— — — —
10	— —	— — — —

SHEET NUMBER
37 OF 61

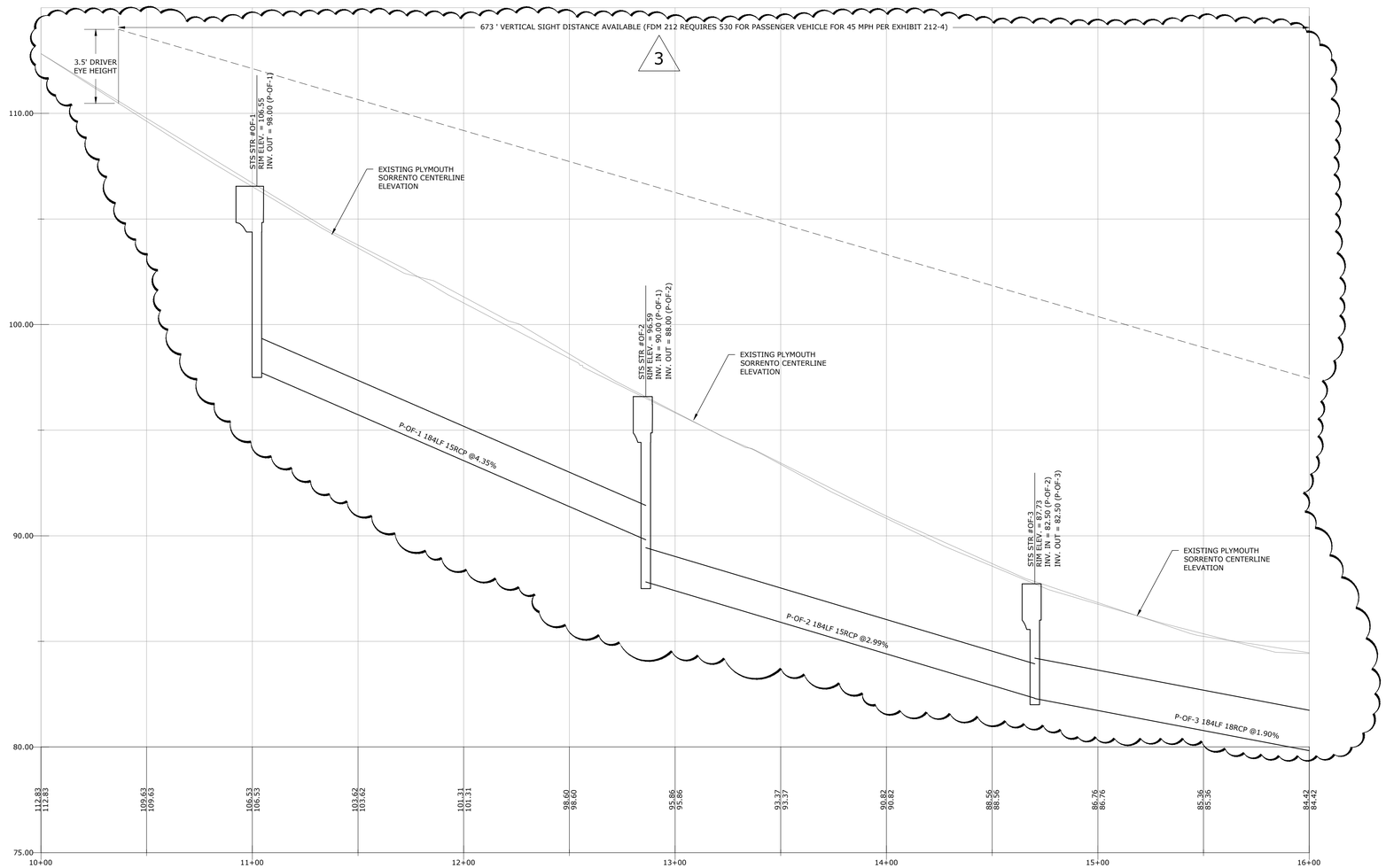


GRAPHIC SCALE

(IN FEET)
1 inch = 30 ft.

SEE SHEET 39 OF 61

PLYMOUTH SORRENTO ROAD: STA: 10+00 - STA: 16+00



PROFILE SCALE:
HORZ: 1" = 30'
VERT: 1" = 3'

NOTE:
IF SEASONAL HIGH WATER IS NOT SHOWN ON PROFILE THEN ELEVATION IS LOWER THAN PROFILE DATUM ELEVATION.

O.C. E Permit: 25-E-076

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

PLYMOUTH SORRENTO P&P 1

Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

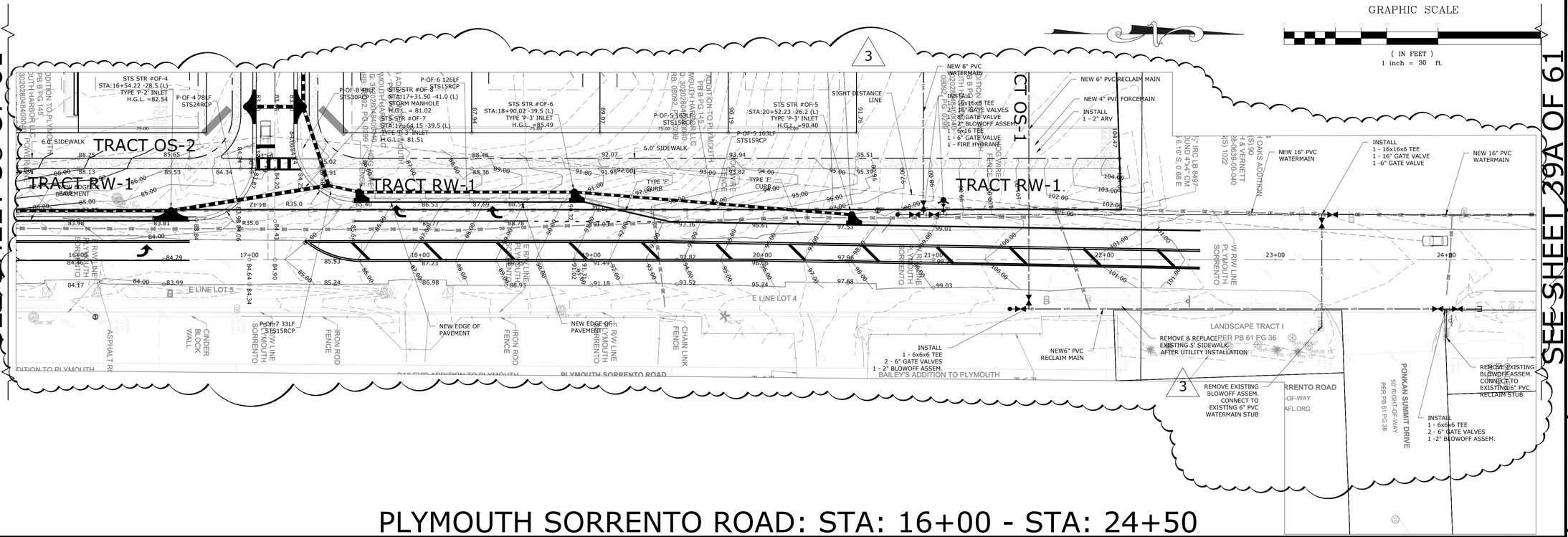
Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Seminis Ave. & Golf Ct & Construction Modification
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust Pre Lot Depths Of Selected Lots To 125' Deep
9	##/##/##	
10	##/##/##	

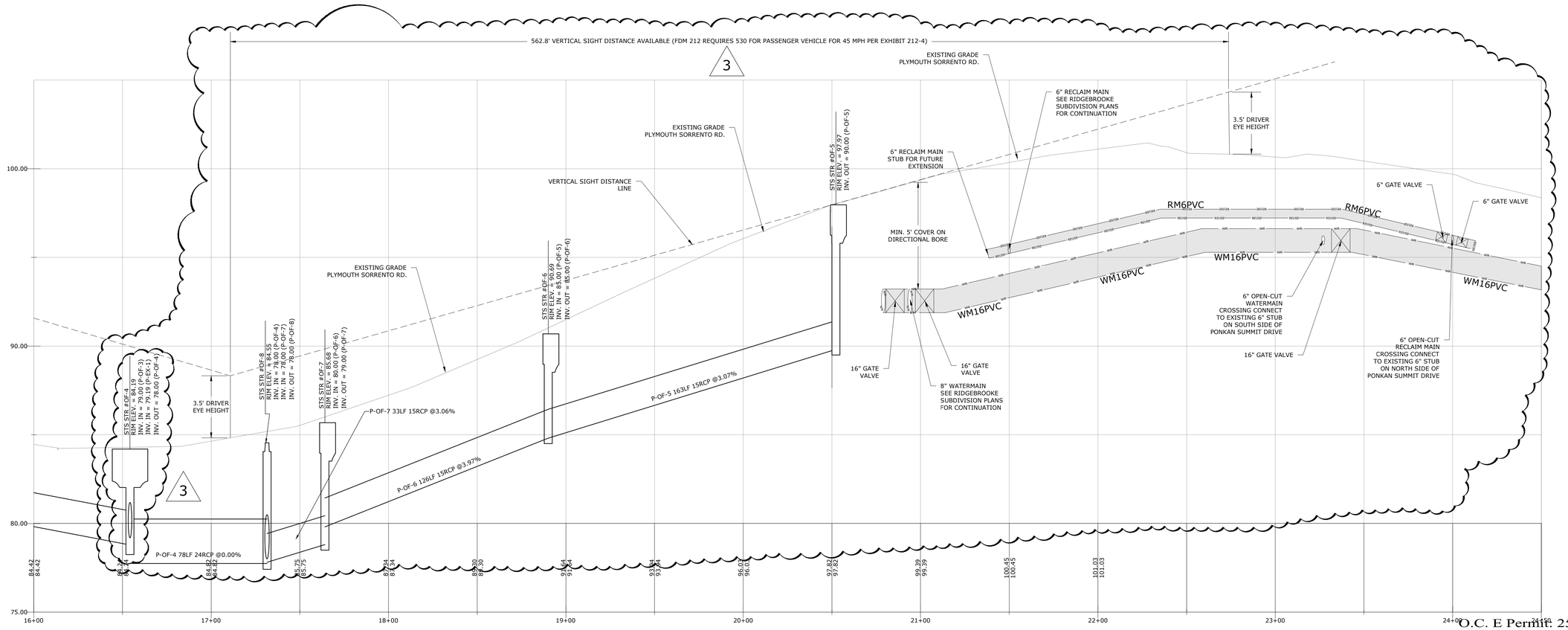
SHEET NUMBER
38 OF 61

SEE SHEET 38 OF 61

SEE SHEET 39A OF 61



PLYMOUTH SORRENTO ROAD: STA: 16+00 - STA: 24+50



O.C. E Permit: 25-E-076

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
Phone: 407-323-0705
Fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

PLYMOUTH SORRENTO P&P 2

Plans not valid unless Signed. Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

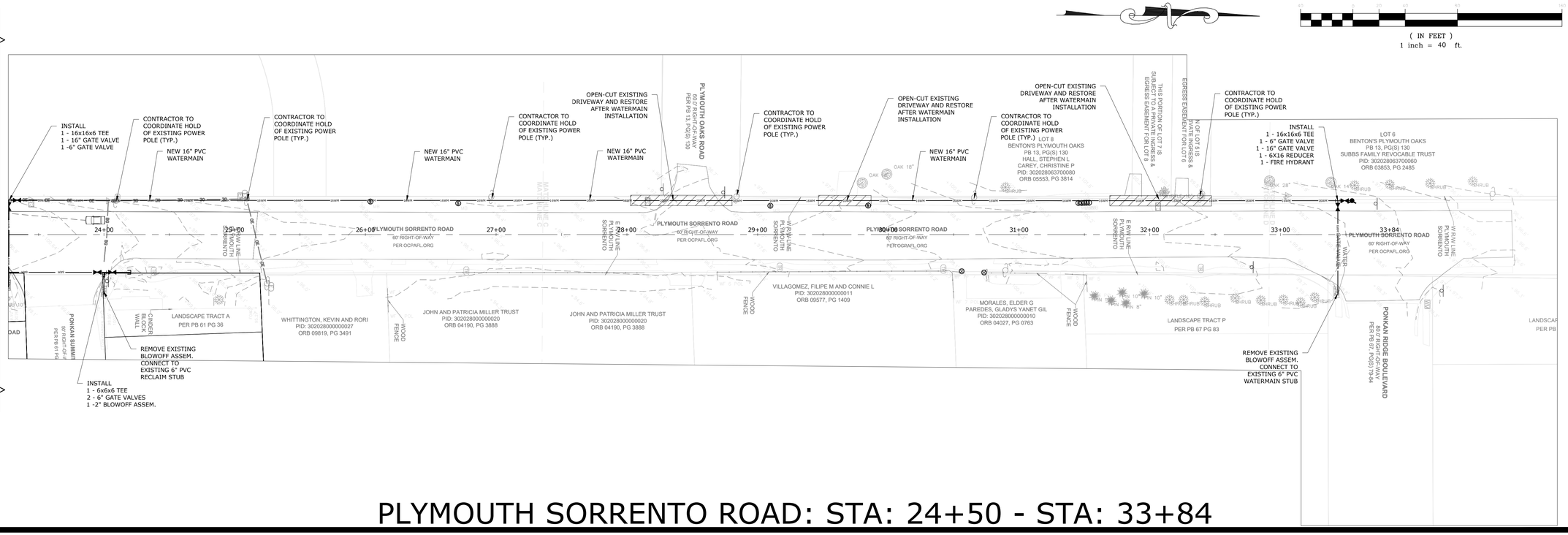
NO.	DATE	DESCRIPTION
1	04/05/23	Initial Submittal
2	05/30/23	Revised For Orange County 'E' Permit Comments
3	06/26/23	Revised For St. Johns ERP & Apopka Comments
4	07/27/23	Revised For Apopka Comments
5	08/29/23	Revised For Apopka Comments
6	02/12/26	Revised For Screens Ave. & Graff Ct & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	####	
10	####	

SHEET NUMBER
39 OF 61

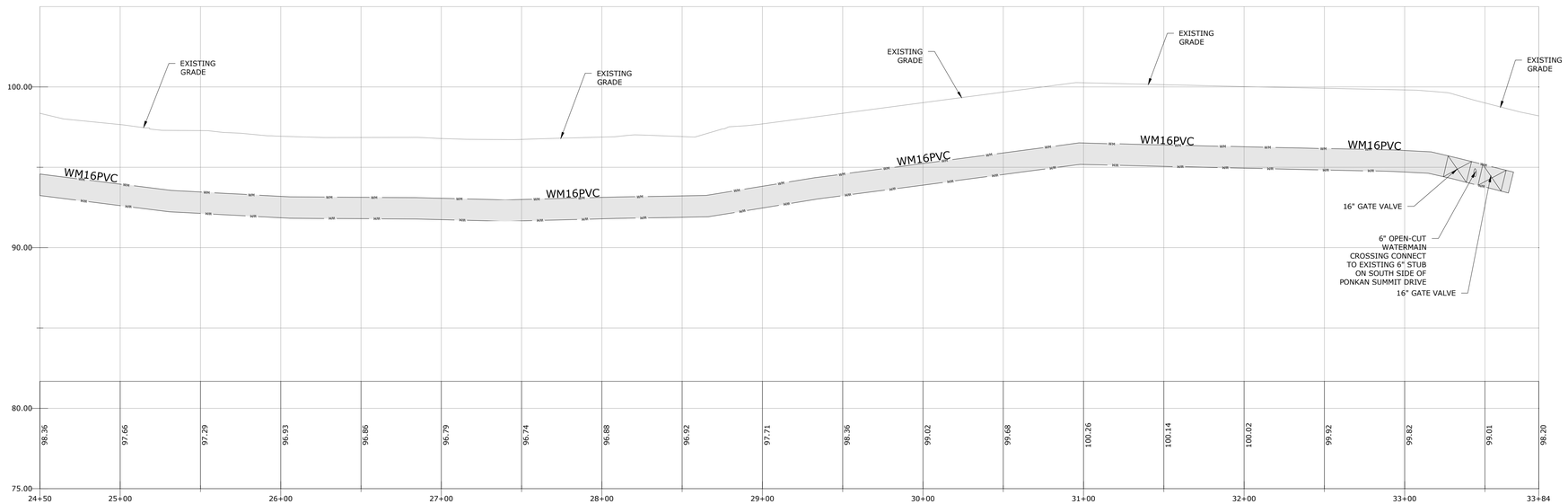
SEE SHEET 39 OF 61

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.



PLYMOUTH SORRENTO ROAD: STA: 24+50 - STA: 33+84



O.C. E Permit: 25-E-076

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

PLYMOUTH SORRENTO P&P 3

Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

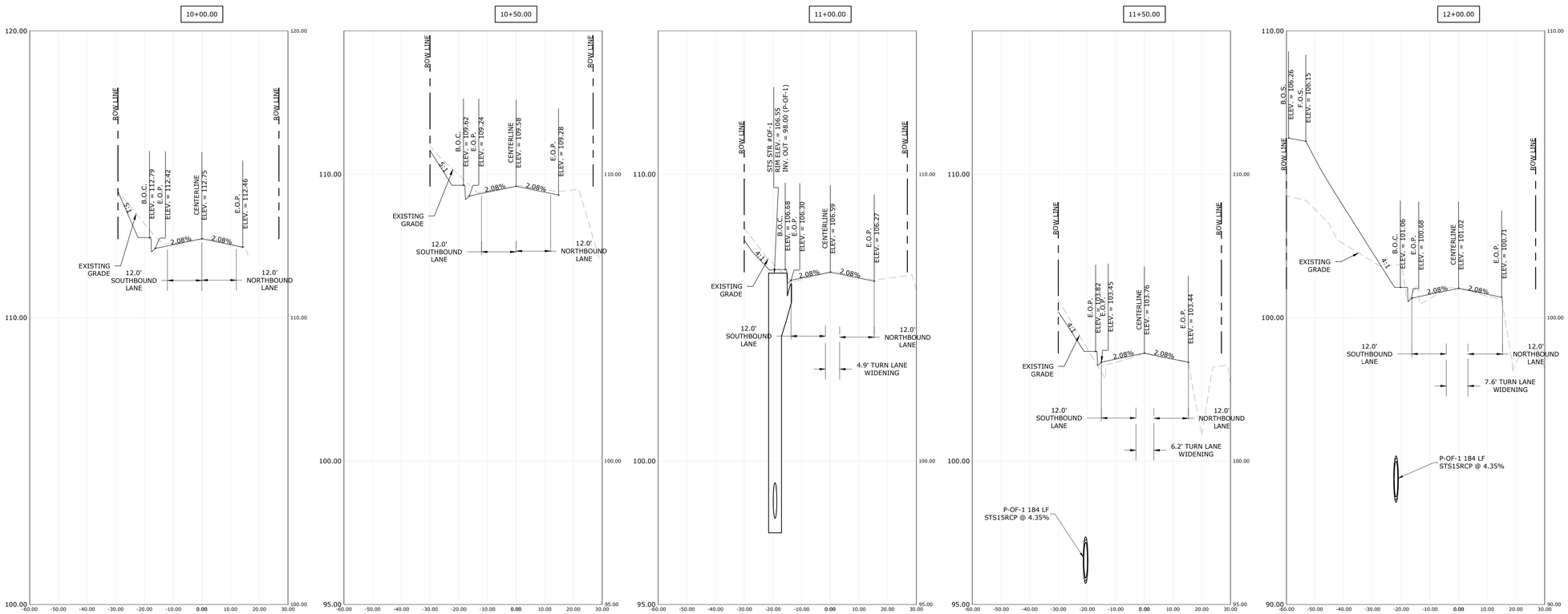
Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Serenta Ave. & Graff Ct & Construction Modification
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust Pin Lot Depths Of Selected Lots To 125' Deep
9	#ddd!	
10	#ddd!	

SHEET NUMBER

39a OF 61

1



SECTION SCALE:
HORZ: 1" =20'
VERT: 1" = 2'
O.C. E Permit: 25-E-076

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Cross Sections 1

Plans not valid unless Signed, Dated and Sealed below.

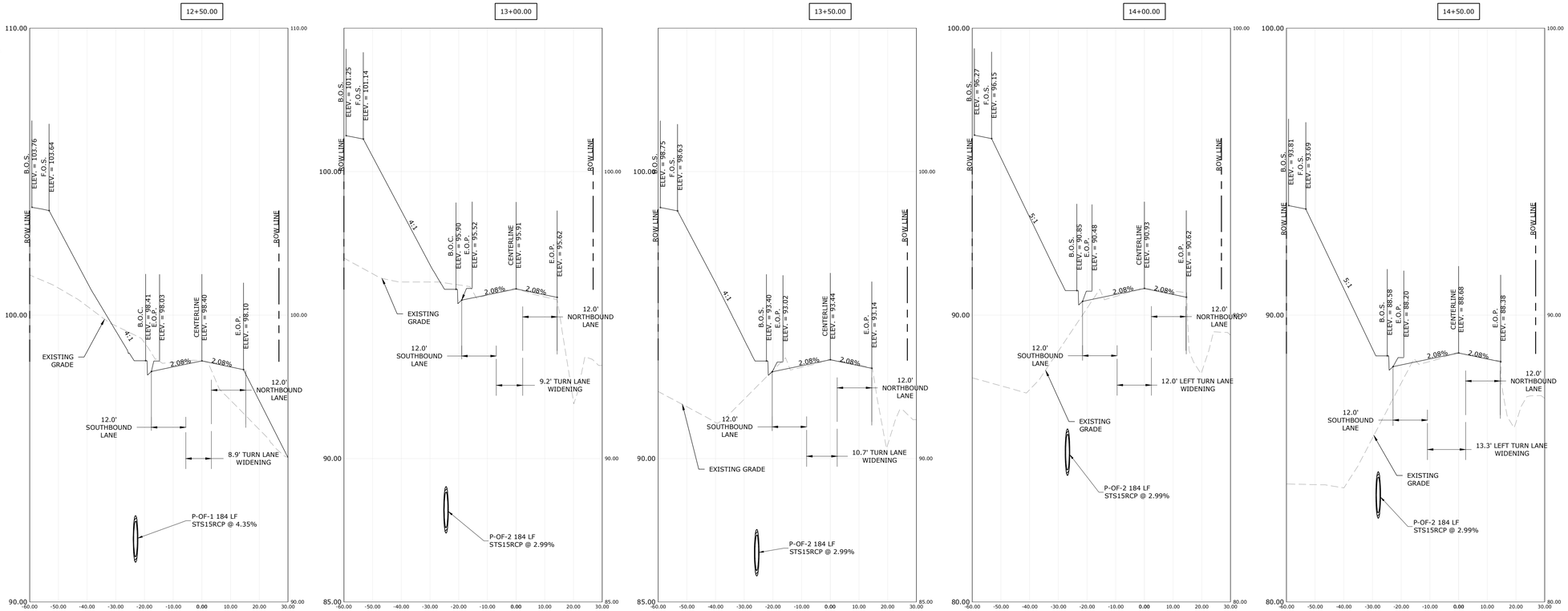
GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Streets Ave. & Graffiti & Geometric Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	Revised	
10	Revised	

SHEET NUMBER
40 OF 61

1



SECTION SCALE:
HORZ: 1" =20'
VERT: 1" = 2'
O.C. E Permit: 25-E-076

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Cross Sections 1B

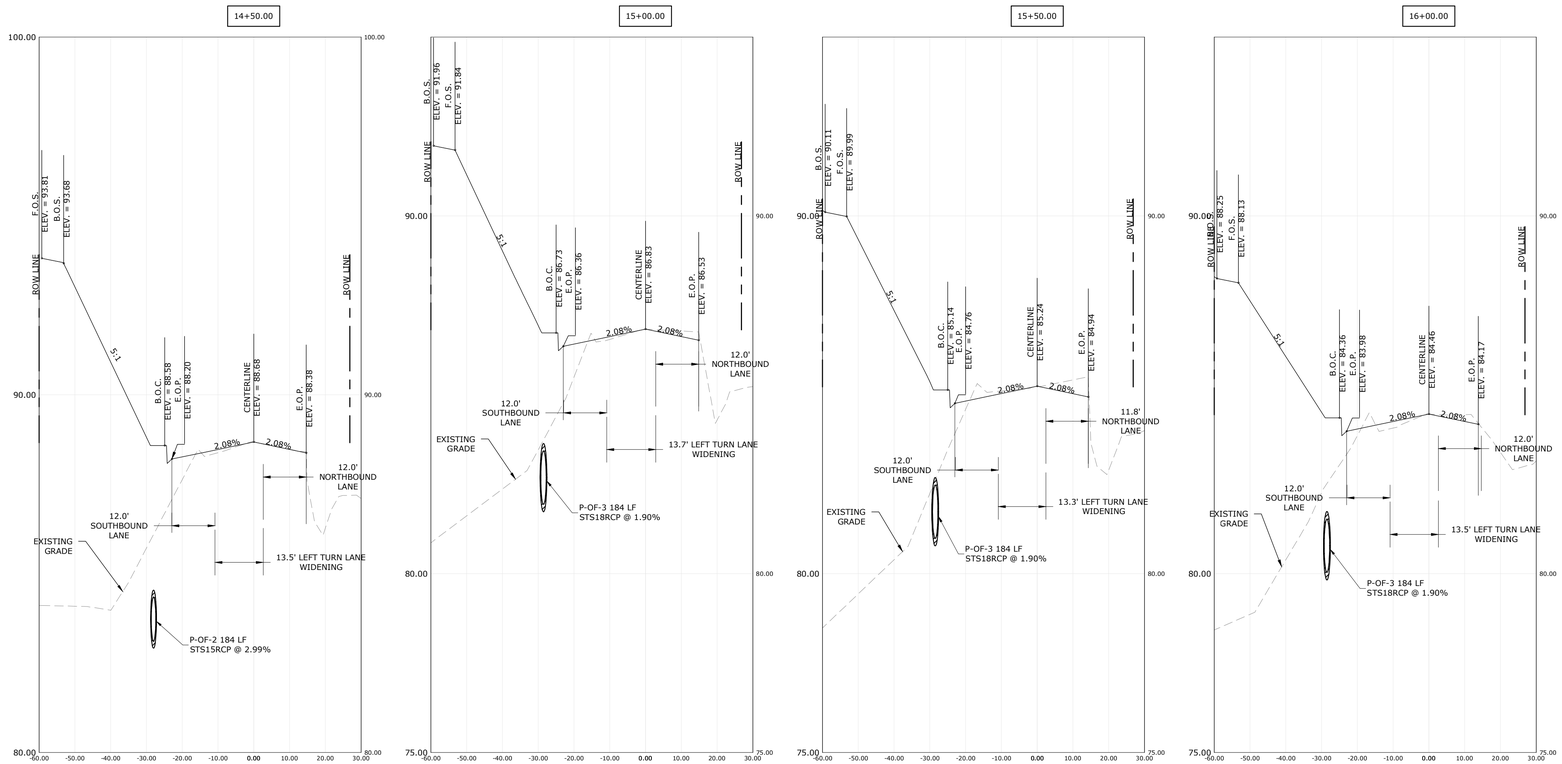
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County, FF Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Seven Acre & Golf Cart Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/26/26	Revised To Adjust Pre Lot Depths Of Selected Lots To 125' Deep
9	Date	
10	Date	

SHEET NUMBER
40B OF 61



SECTION SCALE:
HORZ: 1" =20'
VERT: 1" = 2'

O.C. E Permit: 25-E-076

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Cross Sections 2

Plans not valid unless Signed, Dated and Sealed below.

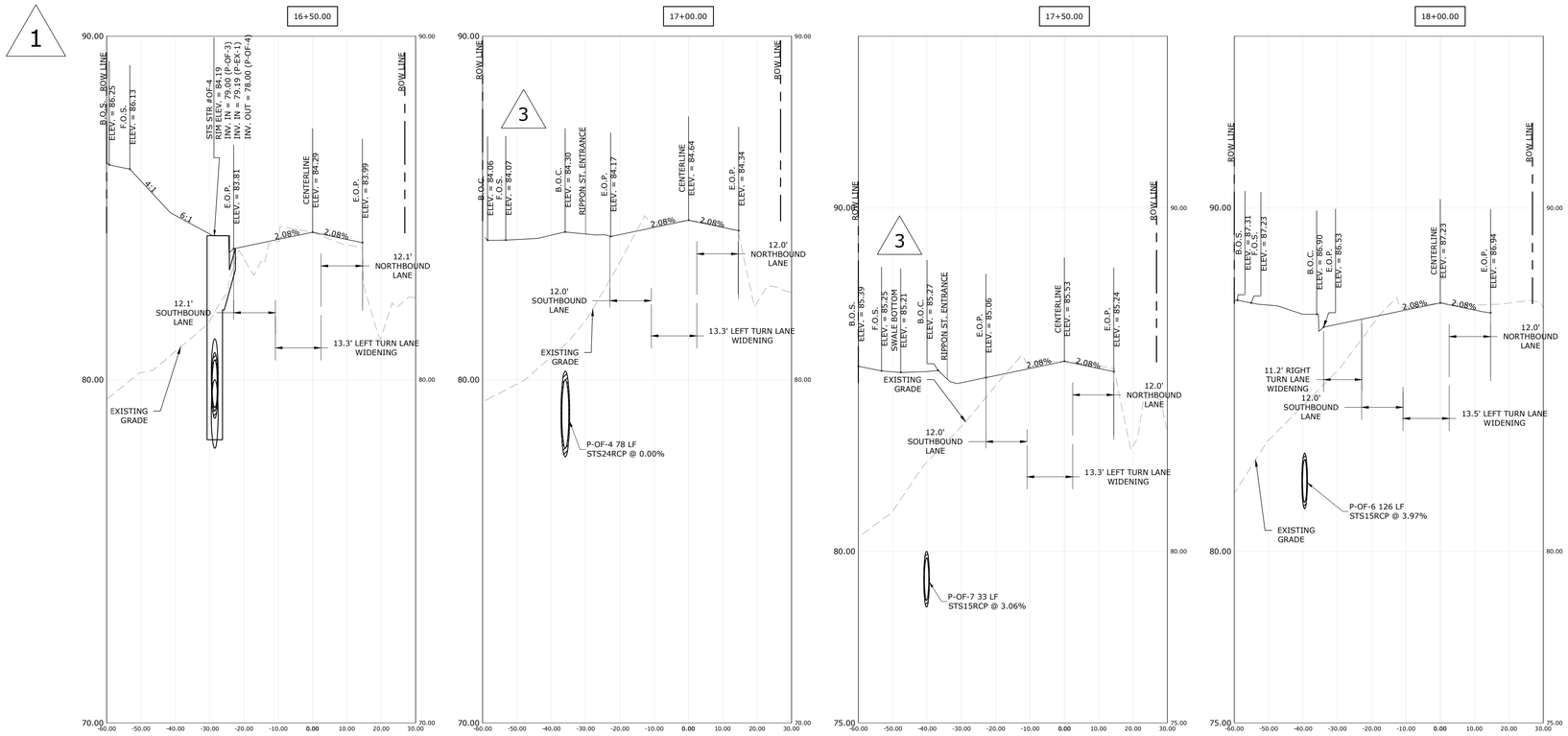
GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised Per Serenity Ave. & Golf Ct. Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust Plat Lot Depths Of Selected Lots To 125' Deep
9	Revised	
10	Revised	

SHEET NUMBER

41 OF 61



SECTION SCALE:
HORZ: 1" =20'
VERT: 1" = 2'

O.C. E Permit: 25-E-076

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Cross Sections 2B

Plans not valid unless Signed, Dated and Sealed below:

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

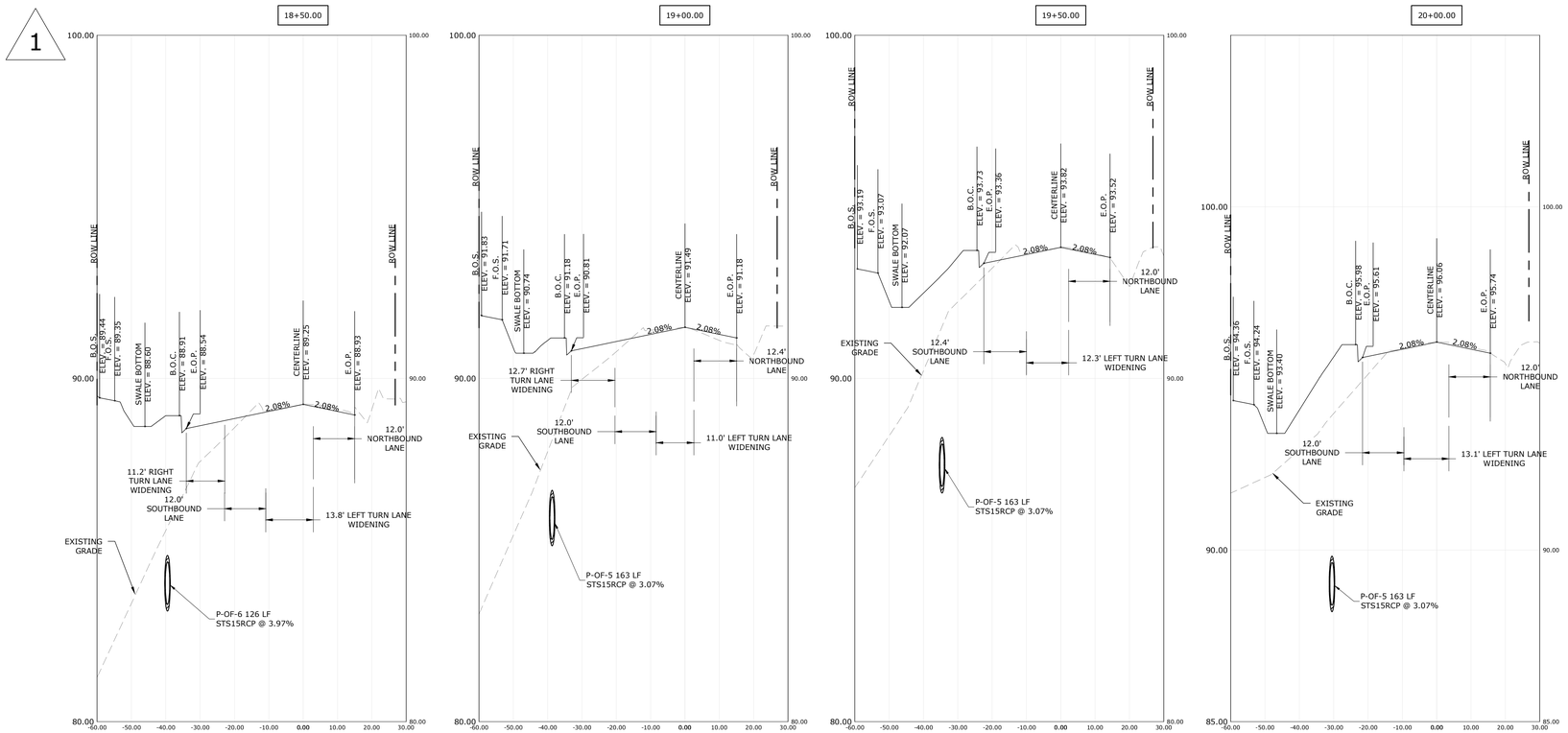
Revisions

NO.	DATE	DESCRIPTION
1	04/05/23	Initial Submittal
2	05/30/23	Revised For Orange County 'E' Permit Comments
3	06/30/23	Revised For St. Johns ERP & Apopka Comments
4	07/28/23	Revised For Apopka Comments
5	08/28/23	Revised For Apopka Comments
6	02/12/24	Revised For Sprint Svc. & Golf Ct & Contractor Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/26/26	Revised To Adjust Pin Lot Depths Of Selected Lots To 125' Deep
9	date	
10	date	

SHEET NUMBER

41BOF 61

1



SECTION SCALE:
HORZ: 1" =20'
VERT: 1" = 2'

O.C. E Permit: 25-E-076

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Cross Sections 3

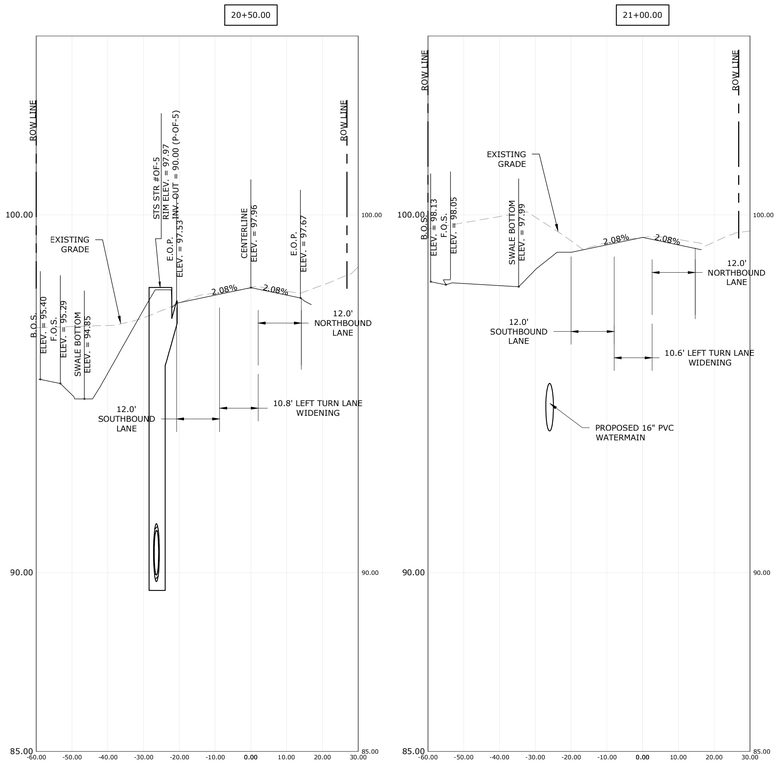
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Sprinkle Ave. & Golf Ct & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust Pro. Lot Depths Of Selected Lots To 125' Deep
9	mm/dd/yy	
10	mm/dd/yy	

SHEET NUMBER
42 OF 61



SECTION SCALE:
HORZ: 1" =20'
VERT: 1" = 2'

O.C. E Permit: 25-E-076

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Cross Sections 3B

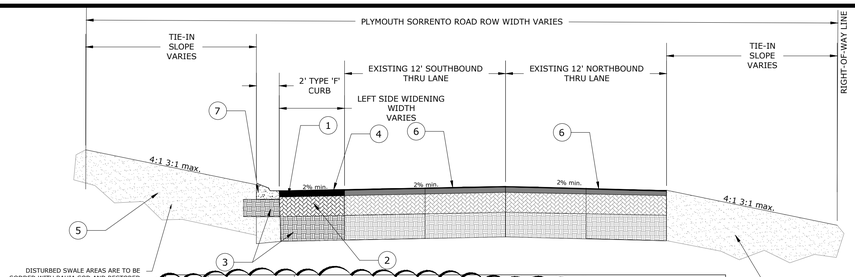
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/23	Initial Submittal
2	05/30/23	Revised For Orange County 'E' Permit Comments
3	06/28/23	Revised For St. Johns ERP & Apopka Comments
4	07/27/23	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Seven Rvs. & Unit51 & Contractor Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust Pro Lot Depth Of Selected Lots To 125' Deep
9	####	
10	####	

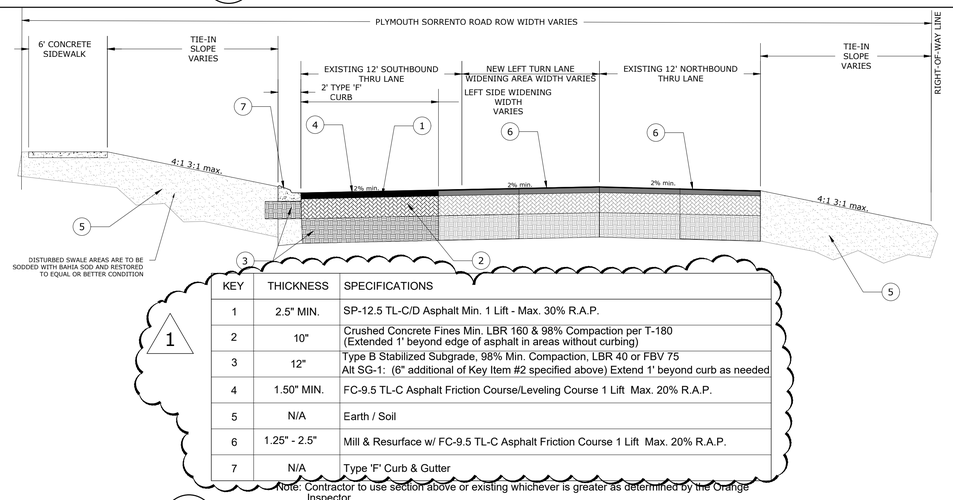
SHEET NUMBER
42BOF 61



KEY	THICKNESS	SPECIFICATIONS
1	2.5" MIN.	SP-12.5 TL-C/D Asphalt Min. 1 Lift - Max. 30% R.A.P.
2	10"	Crushed Concrete Fines Min. LBR 160 & 98% Compaction per T-180 (Extended 1' beyond edge of asphalt in areas without curbing)
3	12"	Type B Stabilized Subgrade, 98% Min. Compaction, LBR 40 or FBV 75 Alt SG-1: (6" additional of Key Item #2 specified above) Extend 1' beyond curb as needed
4	1.50" MIN.	FC-9.5 TL-C Asphalt Friction Course/Leveling Course 1 Lift Max. 20% R.A.P.
5	N/A	Earth / Soil
6	1.25" - 2.5"	Mill & Resurface w/ FC-9.5 TL-C Asphalt Friction Course 1 Lift Max. 20% R.A.P.
7	N/A	Type 'F' Curb & Gutter

Note: Contractor to use section above or existing whichever is greater as determined by the Orange Inspector.

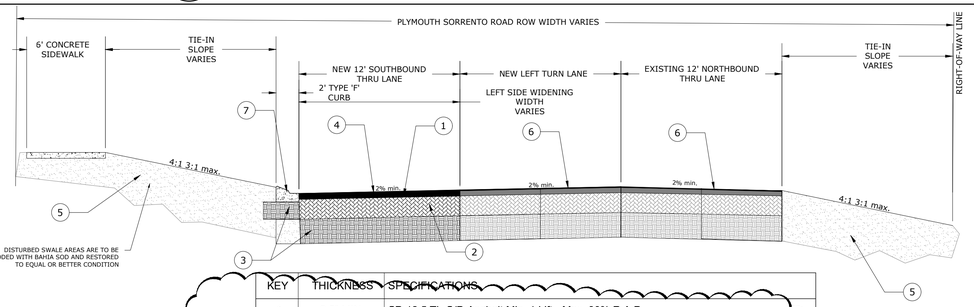
300 - PLYMOUTH SORRENTO ROAD CROSS SECTION DETAIL
N.T.S.(DESIGN SPEED 45 MPH; POSTED 45 MPH) STA: 10+00 TO 11+73



KEY	THICKNESS	SPECIFICATIONS
1	2.5" MIN.	SP-12.5 TL-C/D Asphalt Min. 1 Lift - Max. 30% R.A.P.
2	10"	Crushed Concrete Fines Min. LBR 160 & 98% Compaction per T-180 (Extended 1' beyond edge of asphalt in areas without curbing)
3	12"	Type B Stabilized Subgrade, 98% Min. Compaction, LBR 40 or FBV 75 Alt SG-1: (6" additional of Key Item #2 specified above) Extend 1' beyond curb as needed
4	1.50" MIN.	FC-9.5 TL-C Asphalt Friction Course/Leveling Course 1 Lift Max. 20% R.A.P.
5	N/A	Earth / Soil
6	1.25" - 2.5"	Mill & Resurface w/ FC-9.5 TL-C Asphalt Friction Course 1 Lift Max. 20% R.A.P.
7	N/A	Type 'F' Curb & Gutter

Note: Contractor to use section above or existing whichever is greater as determined by the Orange Inspector.

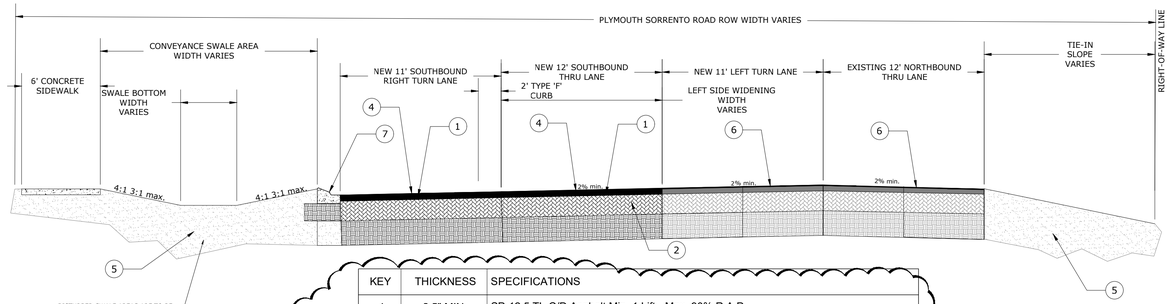
301 - PLYMOUTH SORRENTO ROAD NORTHBOUND LEFT TURN SECTION
N.T.S.(DESIGN SPEED 45 MPH; POSTED 45 MPH) STA: 11+73 TO 15+10



KEY	THICKNESS	SPECIFICATIONS
1	2.5" MIN.	SP-12.5 TL-C/D Asphalt Min. 1 Lift - Max. 30% R.A.P.
2	10"	Crushed Concrete Fines Min. LBR 160 & 98% Compaction per T-180 (Extended 1' beyond edge of asphalt in areas without curbing)
3	12"	Type B Stabilized Subgrade, 98% Min. Compaction, LBR 40 or FBV 75 Alt SG-1: (6" additional of Key Item #2 specified above) Extend 1' beyond curb as needed
4	1.50" MIN.	FC-9.5 TL-C Asphalt Friction Course/Leveling Course 1 Lift Max. 20% R.A.P.
5	N/A	Earth / Soil
6	1.25" - 2.5"	Mill & Resurface w/ FC-9.5 TL-C Asphalt Friction Course 1 Lift Max. 20% R.A.P.
7	N/A	Type 'F' Curb & Gutter

Note: Contractor to use section above or existing whichever is greater as determined by the Orange Inspector.

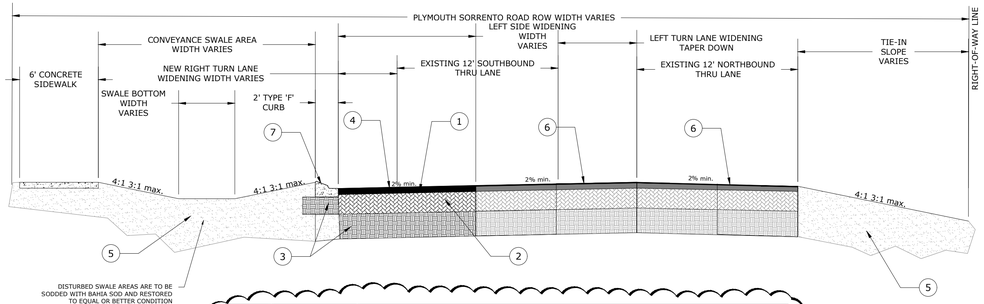
302 - PLYMOUTH SORRENTO ROAD NORTHBOUND LEFT TURN SECTION
N.T.S.(DESIGN SPEED 45 MPH; POSTED 45 MPH) STA: 15+10 TO 17+60



KEY	THICKNESS	SPECIFICATIONS
1	2.5" MIN.	SP-12.5 TL-C/D Asphalt Min. 1 Lift - Max. 30% R.A.P.
2	10"	Crushed Concrete Fines Min. LBR 160 & 98% Compaction per T-180 (Extended 1' beyond edge of asphalt in areas without curbing)
3	12"	Type B Stabilized Subgrade, 98% Min. Compaction, LBR 40 or FBV 75 Alt SG-1: (6" additional of Key Item #2 specified above) Extend 1' beyond curb as needed
4	1.50" MIN.	FC-9.5 TL-C Asphalt Friction Course/Leveling Course 1 Lift Max. 20% R.A.P.
5	N/A	Earth / Soil
6	1.25" - 2.5"	Mill & Resurface w/ FC-9.5 TL-C Asphalt Friction Course 1 Lift Max. 20% R.A.P.
7	N/A	Type 'F' Curb & Gutter

Note: Contractor to use section above or existing whichever is greater as determined by the Orange Inspector.

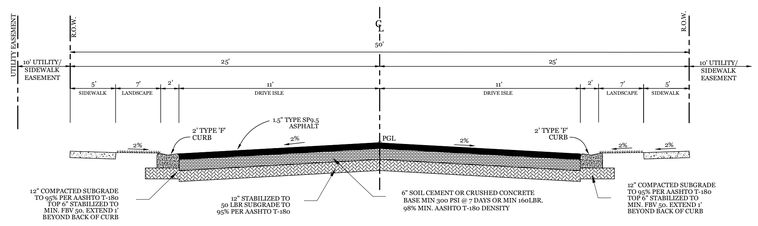
303 - PLYMOUTH SORRENTO ROAD NORTHBOUND LEFT TURN SECTION
N.T.S.(DESIGN SPEED 45 MPH; POSTED 45 MPH) STA: 17+60 TO 18+90



KEY	THICKNESS	SPECIFICATIONS
1	2.5" MIN.	SP-12.5 TL-C/D Asphalt Min. 1 Lift - Max. 30% R.A.P.
2	10"	Crushed Concrete Fines Min. LBR 160 & 98% Compaction per T-180 (Extended 1' beyond edge of asphalt in areas without curbing)
3	12"	Type B Stabilized Subgrade, 98% Min. Compaction, LBR 40 or FBV 75 Alt SG-1: (6" additional of Key Item #2 specified above) Extend 1' beyond curb as needed
4	1.50" MIN.	FC-9.5 TL-C Asphalt Friction Course/Leveling Course 1 Lift Max. 20% R.A.P.
5	N/A	Earth / Soil
6	1.25" - 2.5"	Mill & Resurface w/ FC-9.5 TL-C Asphalt Friction Course 1 Lift Max. 20% R.A.P.
7	N/A	Type 'F' Curb & Gutter

Note: Contractor to use section above or existing whichever is greater as determined by the Orange Inspector.

304 - PLYMOUTH SORRENTO ROAD NORTHBOUND LEFT TURN SECTION
N.T.S.(DESIGN SPEED 45 MPH; POSTED 45 MPH) STA: 18+90 TO 21+35



305 - TYPICAL 50' ROW ROADWAY CROSS SECTION DETAIL
N.T.S.

O.C. E Permit: 25-E-076

G L SUMMITT ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

General Detail 3

Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

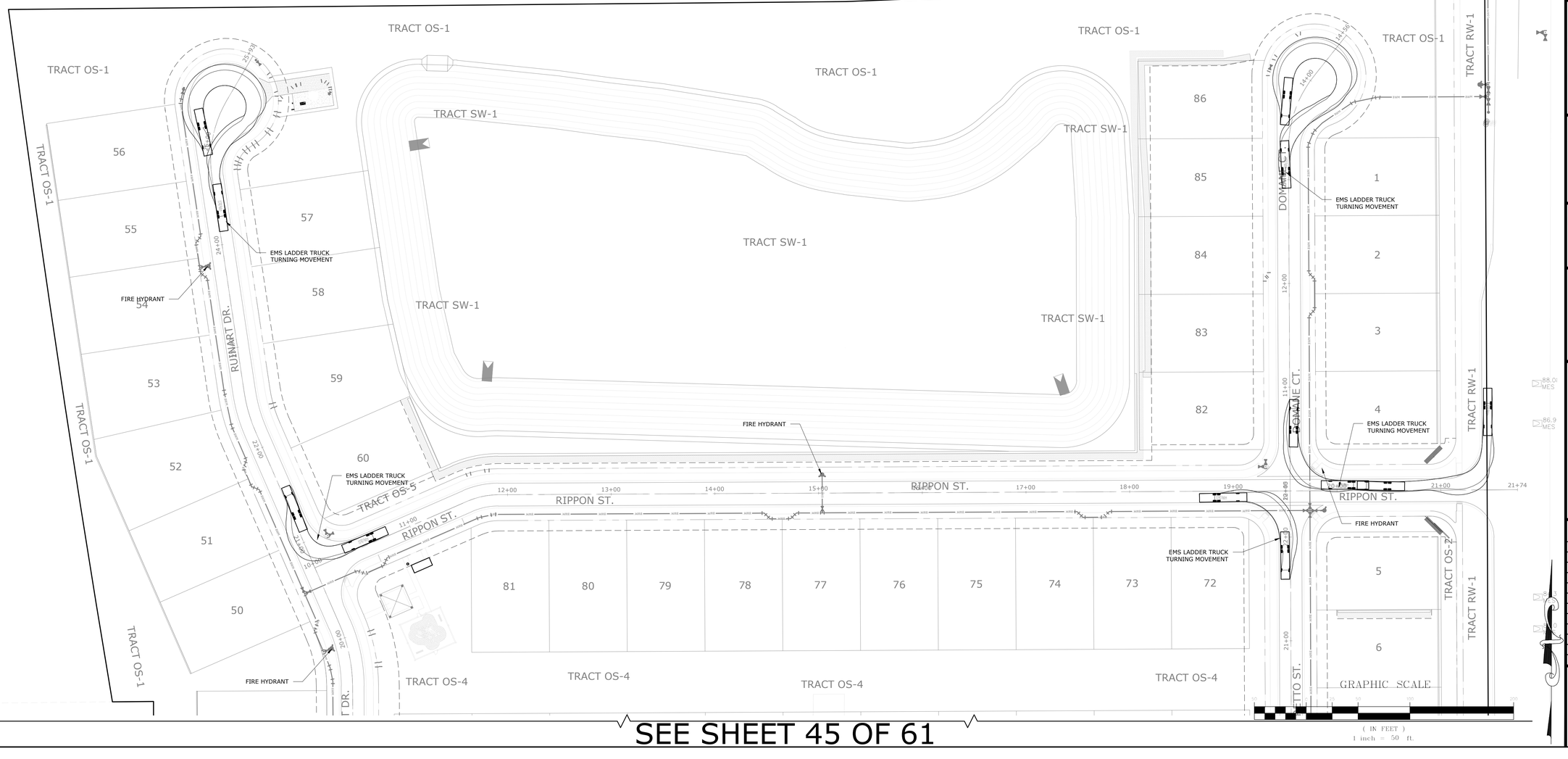
Revisions

NO.	DATE	DESCRIPTION
1	04/09/25	Initial Submittal
2	05/30/25	Revised For Orange County 'F' Permit Comments
3	06/26/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Screen Arc & Graffiti & Geotechnic Stabilization
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 120' Deep
9	####	
10	####	

SHEET NUMBER
43 OF 61

NOTES:

1. Fire flow based on FFPC 7th (NFPA 1 and 101 2023 edition) for building is 1,000 gpm or based Table 18.1.
2. Fire hydrants within 250' of building via Fire Department Access Road shall be allowed 1,500 gpm max fire flow credit, over 250' from building max. fire flow credit shall be 1,000 gpm.
3. Non-Sprinklered building shall provide 150' hose lay to all exterior points on the building from the approved Fire Department Access Road(s).
4. Overall Length (Bumper to Bumper)- 45.7 feet Width - 8.33 feet Track - 8.33 feet Lock to Lock Time - 6.0 Steering Angle- 44.2 degrees Min Centerline Radius - 29 feet
5. Fire hydrants shall be marked with blue reflectors in the pavement adjacent to the hydrant.



SEE SHEET 45 OF 61

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Truck Turning Plan 1

Plans not valid unless Signed, Dated and Sealed below.

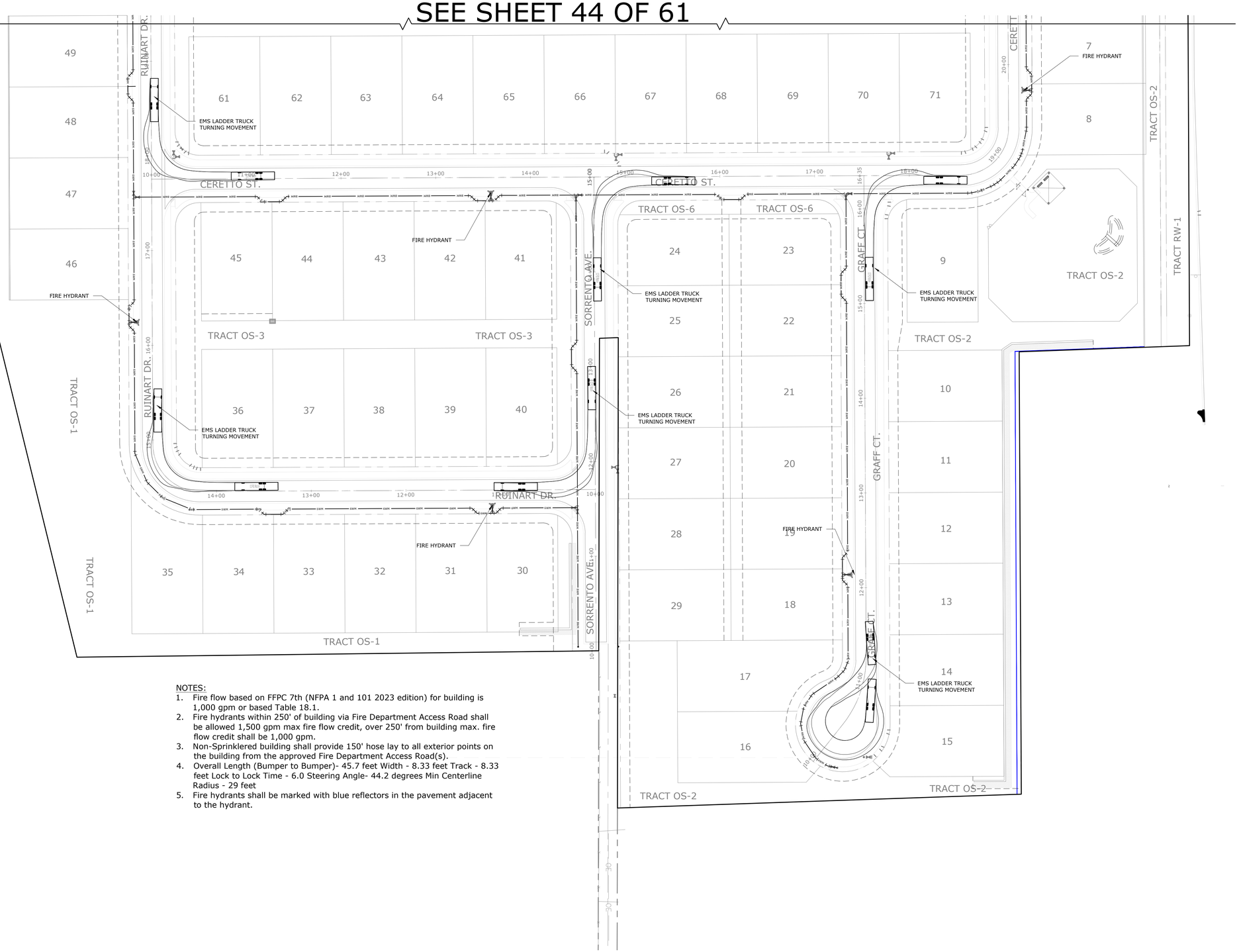
GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/07/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Sprouts Ave. & Graffiti & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 120' Deep
9	#######	
10	#######	

SHEET NUMBER
44 OF 61

SEE SHEET 44 OF 61



NOTES:

1. Fire flow based on FFPC 7th (NFPA 1 and 101 2023 edition) for building is 1,000 gpm or based Table 18.1.
2. Fire hydrants within 250' of building via Fire Department Access Road shall be allowed 1,500 gpm max fire flow credit, over 250' from building max. fire flow credit shall be 1,000 gpm.
3. Non-Sprinklered building shall provide 150' hose lay to all exterior points on the building from the approved Fire Department Access Road(s).
4. Overall Length (Bumper to Bumper)- 45.7 feet Width - 8.33 feet Track - 8.33 feet Lock to Lock Time - 6.0 Steering Angle- 44.2 degrees Min Centerline Radius - 29 feet
5. Fire hydrants shall be marked with blue reflectors in the pavement adjacent to the hydrant.

GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision

City of Apopka, Florida

Construction Site Plan

Truck Turning Plan 2

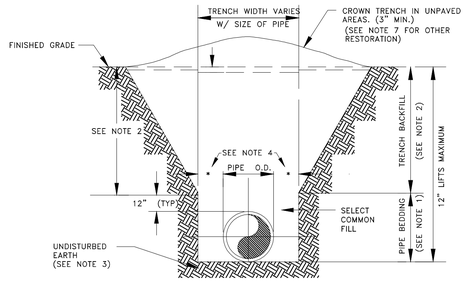
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/04/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/28/25	Revised For Apopka Comments
5	08/28/25	Revised For Apopka Comments
6	02/12/26	Revised For Screen Area & Golf Ct & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depth Of Selected Lots To 125' Deep
9	####	
10	####	

SHEET NUMBER
45 OF 61



NOTES:

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

TYPE "B" BEDDING AND OPEN-CUT DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 100

800 - TYPE B TRENCH DETAIL N.T.S.

MINIMUM LENGTH (FT) TO BE RESTRAINED ON EACH SIDE OF FITTING(S). *											
	PIPE SIZE										
	6"	8"	10"	12"	16"	18"	20"	24"	30"	36"	48"
90° BEND					61	67	73	84	100	114	
45° BEND					26	28	31	35	42	48	
22-1/2° BEND					13	14	15	17	20	23	
11-1/4° BEND					6	7	8	9	10	12	
TEE**					52	62	74	95	124	152	
REDUCER (ONE SIZE SMALLER)					48	25	25	47	66	66	
DEAD END					111	123	135	157	188	218	

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

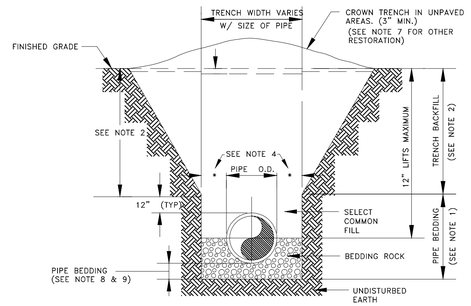
NOTES:

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

RESTRAINED PIPE TABLE (DI)

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JAUARY 2014	FIG. 106

804 - RESTRAINED PIPE DETAIL DUCTILE IRON NTS



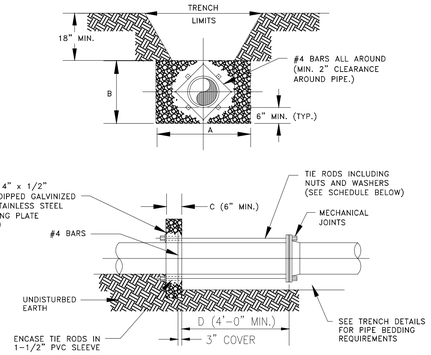
NOTES:

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

TYPE "A" BEDDING AND OPEN-CUT DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 101

801 - TYPE A TRENCH DETAIL NTS



NOTES:

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

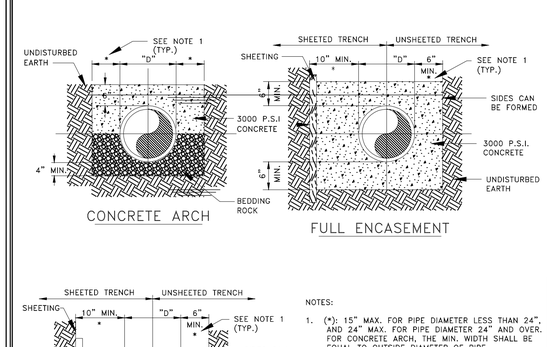
SCHEDULE OF DIMENSIONS AND MATERIALS *						
PIPE SIZE (INCHES)	DIMENSIONS (FT.)				TIE RODS REQ'D	
	A	B	C	D	DIA.	NO.
6	2.0	2.0	1.0		3/4	2
8	2.5	2.5	1.0		3/4	2
10	3.5	3.0	1.0		3/4	4
12	5.0	3.0	1.0		3/4	4
16	6.0	4.0	1.5		3/4	4
20	8.0	5.0	1.5		3/4	6
24	9.0	6.0	1.5		3/4	8

NOTE: THRUST BLOCK AREAS TO BE COMPUTED ON BASIS OF ___2,000___ LBS. PER SQ. FT. SOIL RESTRAINT (1,500 MIN) BEARING. SEE NOTE 5
* TO BE COMPLETED BY ENGINEER.

WATER MAIN THRUST COLLAR DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 107

805 - WATER MAIN THRUST COLLAR DETAIL N.T.S.



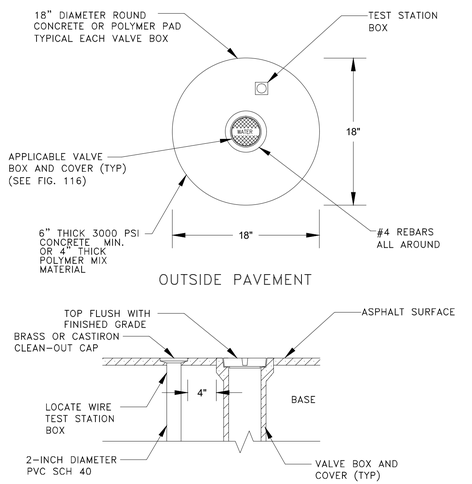
NOTES:

1. (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND OVER. FOR CONCRETE ARCH, THE MIN. WIDTH SHALL BE EQUAL TO OUTSIDE DIAMETER OF PIPE.
2. "D" REFERS TO THE DIAMETER OF THE PIPE.
3. "T" REFERS TO THE THICKNESS OF THE PIPE.
4. THE NEED FOR CONCRETE ARCH HALF ENCASEMENT OR FULL ENCASEMENT TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CITY.
5. ENDS OF ENCASEMENT SHALL BE FORMED, AND LOCATIONS SHALL BE INDICATED ON RECORD DRAWINGS.

CONCRETE ARCH AND ENCASEMENT DETAILS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 102

802 - CONCRETE ENCASEMENT DETAIL NTS



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

VALVE BOX

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 109

806 - VALVE BOX DETAIL N.T.S.

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

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

NOTES:

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

RESTRAINED PIPE TABLE (PVC)

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 105

803 - PVC RESTRAINED PIPE TABLE N.T.S.

MINIMUM PRESSURE RATING									
PSI	DI FITTINGS		PIPE MATERIAL*			GATE VALVE**		FORCEMAIN*	
	≤24"	>24"	PVC	DI	HDPE	≤12"	>12"	PVC	HDPE
100								●	●
150			●		●		●		
200						●			
250		●		●					
350	●								

* 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

PIPE AND APPURTENANCES PRESSURE RATING

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JAUARY 2014	FIG. 110

807 - PIPE PRESSURE RATING TABLE DETAIL N.T.S.

G L SUMMITT ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Utilities Details 1

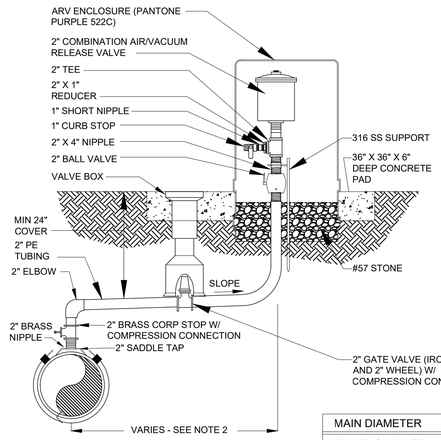
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/26/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Screen Area & Golf Ct & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	####	
10	####	

SHEET NUMBER
52 OF 61



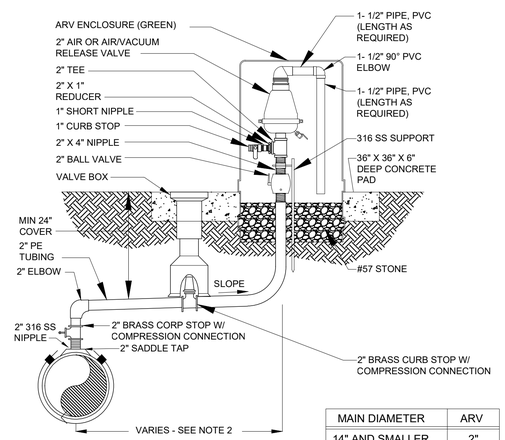
MAIN DIAMETER	ARV
14" AND SMALLER	2"
16" AND LARGER	3"

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

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

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2015	FIG. 113

808 - RECLAIM WATER AIR RELEASE VALVE DETAIL N.T.S.



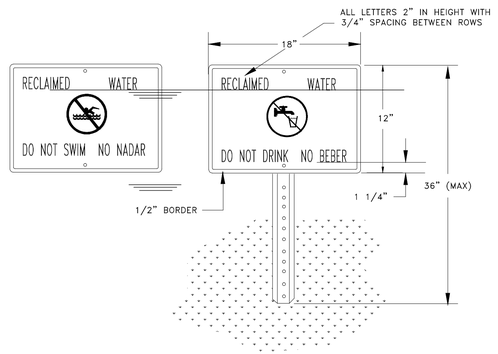
MAIN DIAMETER	ARV
14" AND SMALLER	2"
16" AND LARGER	3"

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

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

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2015	FIG. 114

809 - WASTEWATER AIR RELEASE VALVE DETAIL NTS

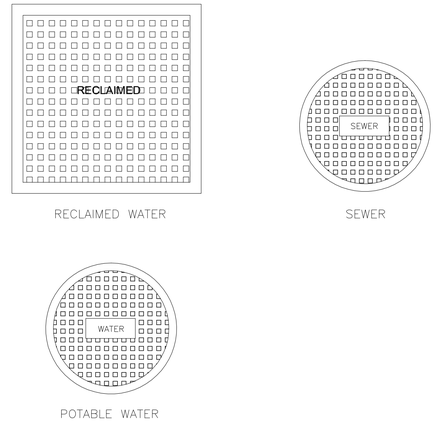


NOTES:
1. HEIGHT OF SIGN WILL DEPEND ON LOCATION AND SURROUNDING LANDSCAPE PLANT TYPES. IN ALL CASES, THE SIGN SHALL BE VISIBLE TO THE PUBLIC.
2. BACKGROUND SHALL BE WHITE. LETTERS AND FIGURES SHALL BE BLACK. PROHIBITIVE SYMBOL SHALL BE RED.
3. ENGINEERING GRADE REFLECTIVE MATERIALS SHALL BE USED.
4. POST SHALL BE U CHANNEL 12 FT. 2 LB. HOT ROLLED HIGH TENSILE RAIL OR BILLET STEEL, HOT DIP GALVANIZED PER ASTM A-123.
5. MOUNTING HARDWARE SHALL BE STAINLESS STEEL.
6. SIGNS SHALL BE PLACED BY THE CONTRACTOR IN ACCORDANCE WITH THE CITY APPROVED ENGINEERING PLANS AND/OR AS APPROVED BY PUBLIC SERVICES DEPARTMENT.

RECLAIMED WATER ADVISORY SIGN

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 115

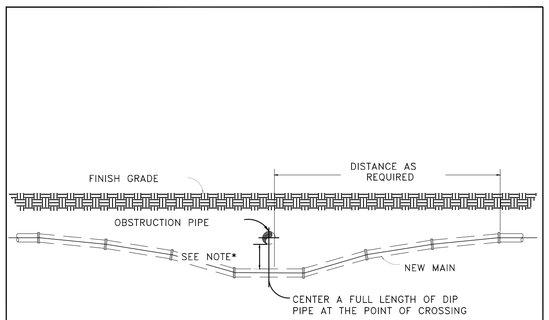
810 - RECLAIMED WATER SIGN DETAIL NTS



TYPICAL VALVE BOX COVER DETAILS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 116

811 - VALVE BOX COVER DETAILS N.T.S.



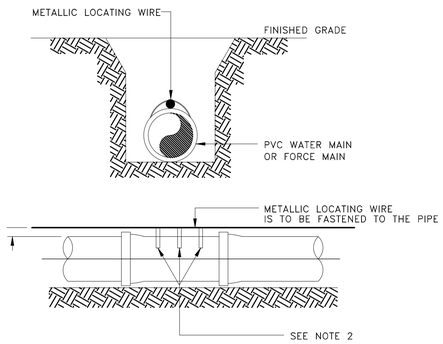
NOTES:
1. 18" MINIMUM CLEARANCE FOR WATER, SEWER AND RECLAIMED WATER MAIN CROSSINGS
2. 12" MINIMUM CLEARANCE REQUIRED FOR OTHER TYPE UTILITY CROSSINGS.
3. SEE ENCASEMENT DETAIL IF MINIMUM CLEARANCE CANNOT BE OBTAINED.

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

UTILITY CROSSING PIPE DEFLECTION DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 117

812 - UTILITY CROSSING PIPE DEFLECTION DETAIL NTS

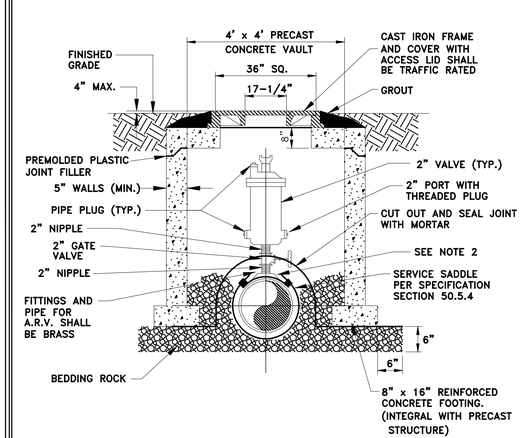


NOTES:
1. PVC PIPE SHALL REQUIRE INSULATED METALLIC LOCATING WIRE (10 AWG-SOLID CCS REINFORCED TRACER WIRE-INSULATED 30 MIL HDPE - 30 VOLT MFG. BY COPPERHEAD INDUSTRIES, LLC OR EQUAL) CAPABLE OF DETECTION BY A CABLE LOCATOR.
2. SHALL BE BURIED DIRECTLY ABOVE THE CENTERLINE OF THE PIPE AND ATTACHED WITH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

PVC PIPE LOCATING WIRE DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 118

813 - PIPE LOCATE WIRE DETAIL N.T.S.

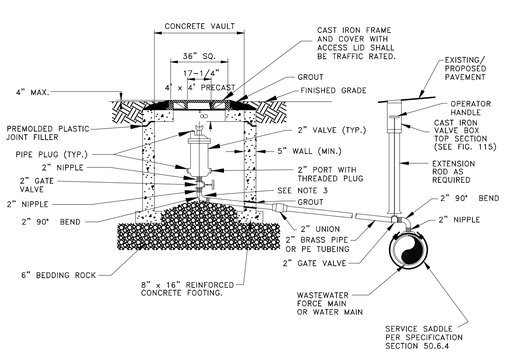


NOTES:
1. ABOVE DETAIL IS BASED ON 2 INCH COMBINATION AIR/VACUUM RELEASE VALVE. CHANGE PIPE AND FITTINGS ACCORDINGLY FOR OTHER VALVE SIZES AND TYPES. VALVE SIZES TO BE DETER-MINED BY THE ENGINEER AND APPROVED BY THE CITY PRIOR TO INSTALLATION.
2. THE MINIMUM DIMENSION FROM TOP OF PIPE TO FINISHED GRADE SHALL BE 4.0 FEET.
3. ALL STRUCTURES TO BE TRAFFIC BEARING RATED.

AIR OR COMBINATION AIR/VACUUM RELEASE VALVE DETAIL - UNDERGROUND

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 119

814 - UNDERGROUND AIR RELEASE VALVE DETAIL N.T.S.



NOTES:
1. ABOVE DETAIL IS BASED ON 2 INCH COMBINATION AIR/VACUUM RELEASE VALVE. CHANGE PIPE AND FITTINGS ACCORDINGLY FOR OTHER VALVE SIZES AND TYPES. VALVE SIZES TO BE DETERMINED BY THE ENGINEER AND APPROVED BY THE CITY PRIOR TO INSTALLATION.
2. THE MINIMUM DIMENSION FROM ELBOW INVERT TO FINISHED GRADE SHALL BE 4.0 FEET.
3. THE AIR RELEASE VALVE SHALL BE ADEQUATELY SUPPORTED.
4. ALL FITTINGS ARE TO BE BRASS.

OFFSET AIR OR COMBINATION AIR/VACUUM RELEASE VALVE DETAIL - UNDERGROUND

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 120

815 - OFFSET UNDERGROUND AIR RELEASE VALVE DETAIL N.T.S.

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Utilities Details 2

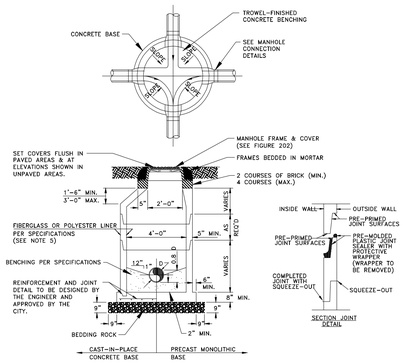
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Jurisdictional Approval
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	#REF!	
10	#REF!	

SHEET NUMBER
53 OF 61



FORCE MAIN MANHOLE LINER*

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

* TO BE COMPLETED BY THE ENGINEER

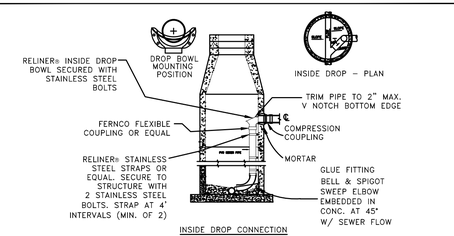
NOTES:

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

TYPICAL MANHOLE

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2015	FIG. 200

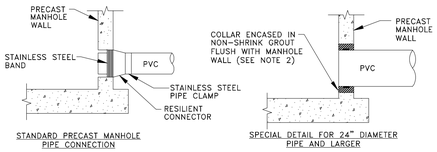
816 - SANITARY MANHOLE DETAIL N.T.S.



INSIDE DROP CONNECTION

NOTES:

1. ALL INSIDE DROP CONNECTIONS FOR SERVICES AND COLLECTOR SEWERS SHALL USE THE DROP BOWL AS PRODUCED BY:
   RELINER-DURAN, INC.
   53 MT. ARCHER RD,
   LYME, CT 06371
   (860)434-0277 FAX: (860)434-3195 OR EQUAL.
2. SECURE DROP PIPE TO MANHOLE WALL WITH RELINER-DURAN, INC STAINLESS STEEL ADJUSTABLE CLAMPING BRACKETS.
3. FORCE MAIN RECEIVING MANHOLES MAY BE REQUIRED TO BE LINED IN ACCORDANCE WITH THE CITY OF APOPKA LIST OF APPROVED MATERIALS AND PRODUCTS AS DIRECTED BY THE CITY.



STANDARD PRECAST MANHOLE PIPE CONNECTION

SPECIAL DETAIL FOR 24" DIAMETER PIPE AND LARGER

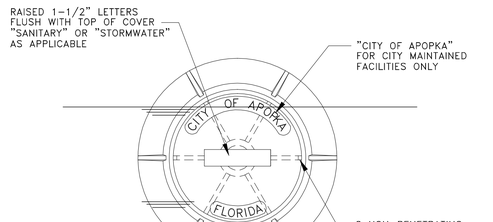
NOTES:

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

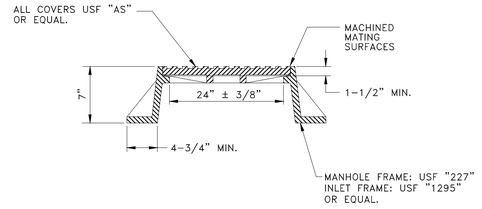
MANHOLE CONNECTION DETAILS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2015	FIG. 201

817 - SANITARY MANHOLE CONNECTION DETAIL NTS



PLAN



PROFILE

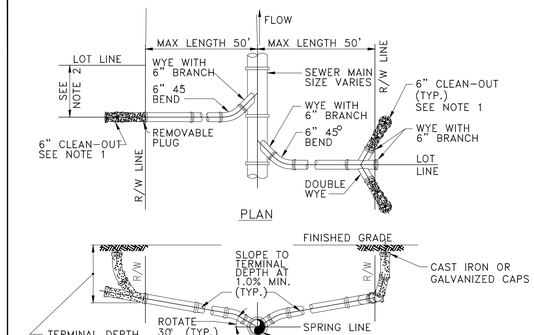
NOTES:

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

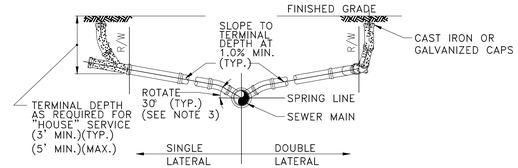
STANDARD MANHOLE FRAME AND COVER

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 202

818 - SANITARY MANHOLE COVER DETAIL NTS



PLAN



PROFILE

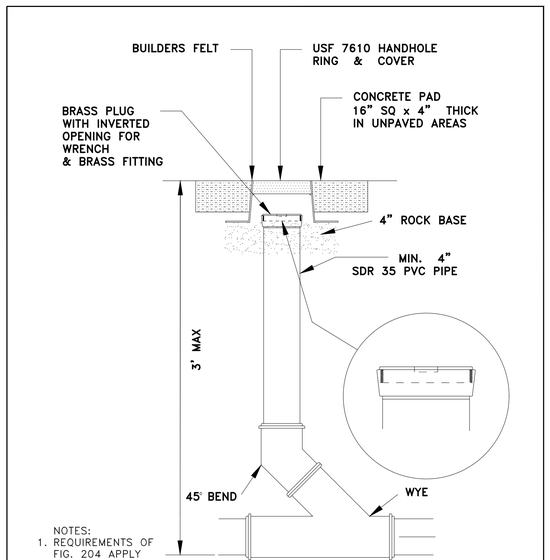
NOTES:

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

SERVICE LATERAL DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 204

819 - SANITARY SERVICE LATERAL DETAIL N.T.S.



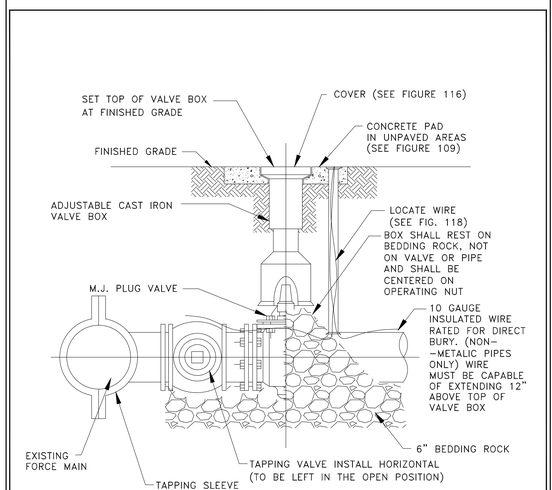
NOTES:
1. REQUIREMENTS OF FIG. 204 APPLY

SANITARY SEWER SERVICE TRAFFIC RATED CLEAN-OUT DETAIL

NTS

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 205

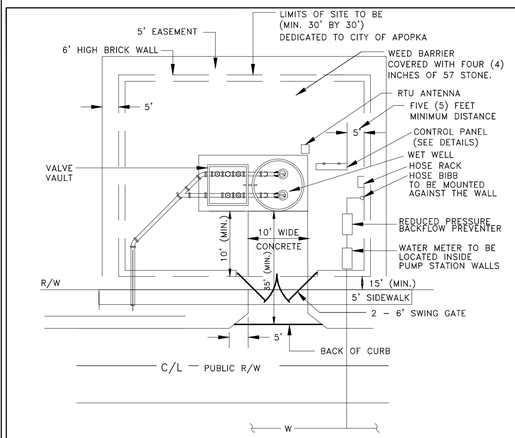
820 - SANITARY SEWER CLEAN-OUT DETAIL NTS



ORCE MAIN WET TAP TIE-IN DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 206

821 - FORCEMAIN WET TAP CONNECTION DETAIL N.T.S.



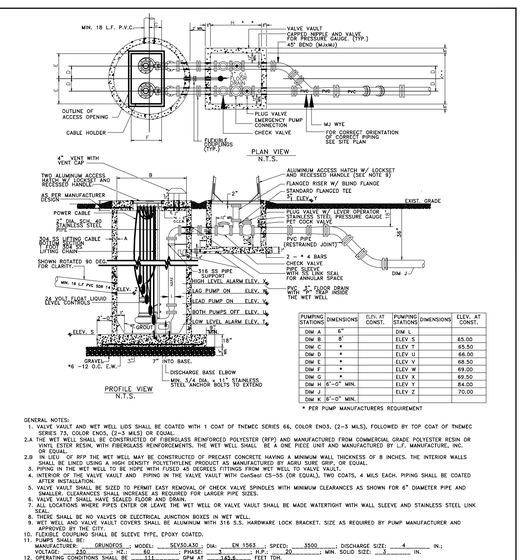
NOTES:

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. WALLS ARE TO BE BRICK OR DECORATIVE STONE.
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	JANUARY 2014	FIG. 300

822 - PUMP STATION SITE PLAN DETAIL N.T.S.



PUMPING STATION	DIMENSIONS	ELEV. AT CONST.	PUMPING STATIONS	DIMENSIONS	ELEV. AT CONST.
DIM A	6"		DIM L		
DIM B	8"		ELEV S		65.00
DIM C	*		ELEV T		65.50
DIM D	*		ELEV U		66.00
DIM E	*		ELEV V		68.50
DIM F	*		ELEV W		69.00
DIM G	*		ELEV X		69.50
DIM H	6'-0" MIN.		ELEV Y		84.00
DIM J	6'-0" MIN.		ELEV Z		70.00

* PER PUMP MANUFACTURERS REQUIREMENT

GENERAL NOTES:
1. VALVE VAULT AND WET WELL LIDS SHALL BE COATED WITH 1 COAT OF THEMEC SERIES 66, COLOR ENO3, (2-3 MILS), FOLLOWED BY TOP COAT OF THEMEC SERIES 73, COLOR ENO3, (2-3 MILS) OR EQUAL.
2.A THE WET WELL SHALL BE CONSTRUCTED OF FIBERGLASS REINFORCED POLYESTER (RFP) AND MANUFACTURED FROM COMMERCIAL GRADE POLYESTER RESIN OR VINYL ESTER RESIN, WITH FIBERGLASS REINFORCEMENTS. THE WET WELL SHALL BE A ONE PIECE UNIT AND MANUFACTURED BY L.F. MANUFACTURE, INC. OR EQUAL.
2.B IN LIEU OF RFP THE WET WELL MAY BE CONSTRUCTED OF PRECAST CONCRETE HAVING A MINIMUM WALL THICKNESS OF 8 INCHES. THE INTERIOR WALLS SHALL BE LINED USING A HIGH DENSITY POLYETHYLENE PRODUCT AS MANUFACTURED BY AGRU SURE GRIP, OR EQUAL.
3. PIPING IN THE WET WELL TO BE HDPE WITH FUSED AS DESIRED FITTINGS FROM WET WELL TO VALVE VAULT.
4. INTERIOR OF THE VALVE VAULT AND PIPING IN THE VALVE VAULT WITH CorrSeal CS-55 (OR EQUAL), TWO COATS, 4 MILS EACH. PIPING SHALL BE COATED AFTER INSTALLATION.
5. VALVE VAULT SHALL BE SIZED TO PERMIT EASY REMOVAL OF CHECK VALVE SPINDLES WITH MINIMUM CLEARANCES AS SHOWN FOR 6" DIAMETER PIPE AND LARGER PIPE SIZES MAY REQUIRE LARGER VAULT SIZE FOR LARGER PIPE SIZES.
6. VALVE VAULT SHALL HAVE SEALED FLOOR AND DRAIN.
7. ALL LOCATIONS WHERE PIPES ENTER OR LEAVE THE WET WELL OR VALVE VAULT SHALL BE MADE WATERTIGHT WITH WALL SLEEVE AND STAINLESS STEEL LINK SEAL.
8. THERE SHALL BE NO VALVES OR ELECTRICAL JUNCTION BOXES IN WET WELL.
9. WET WELL AND VALVE VAULT COVERS SHALL BE ALUMINUM WITH 316 S.S. HARDWARE LOCK BRACKET, SIZE AS REQUIRED BY PUMP MANUFACTURER AND APPROVED BY THE CITY.
10. FLEXIBLE COUPLING SHALL BE SLEEVE TYPE, EPOXY COATED.
11. PUMPS SHALL BE:
    MANUFACTURER: GRUNDFOS ; MODEL: SEV3-A30 ; DIA: EN 1563 ; SPEED: 3500 ; DISCHARGE SIZE: 4 IN.;
    VOLTAGE: 230 ; HZ: 60 ; PHASES: 3 ; H.P.: 30 ; MIN. SOLID SIZE: 3 IN.
12. OPERATION CONDITIONS SHALL BE: 1,400 GPM AT 145.8 FEET TDH.
13. ALL PIPING ON WET WELL AND VALVE BOX TO BE 316 STAINLESS STEEL.
14. "A" TRAP TO BE INSTALLED IN WET WELL.
15. ALL PUBLIC LIFT STATIONS SHALL BE EQUIPPED WITH SCADA SYSTEM.THE DEVELOPER SHALL PAY THE CITY COST OF THE UNIT.THE CITY WILL BE RESPONSIBLE FOR INSTALLATION.
16. ALL LIFT STATIONS SHALL BE FENCED WITH DECORATIVE STONE OR BRICK OR AS DIRECTED BY THE CITY.
17. ALL LIFT STATIONS SHALL HAVE A 10 FEET WIDE CONCRETE ACCESS DRIVEWAY, 35' LONG FROM EDGE OF WET WELL TO BACK OF CURB.
18. ENGINEER SHALL PROVIDE A SCALED (1" = 20' MIN.) SITE SPECIFIC DETAIL.

PUMP STATION DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 301

823 - LIFT STATION SECTIONAL DETAIL N.T.S.

G L SUMMITT ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Utilities Details 3

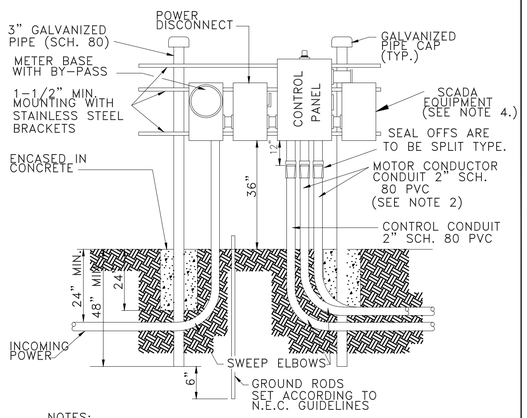
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/23	Initial Submittal
2	05/30/23	Revised For Orange County 'E' Permit Comments
3	06/30/23	Revised For St. Johns ERP & Apopka Comments
4	07/28/23	Revised For Apopka Comments
5	08/29/23	Revised For Apopka Comments
6	02/12/26	Revised For Sermon Ave. & Gulf Ct & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	####	
10	####	

SHEET NUMBER
54 OF 61



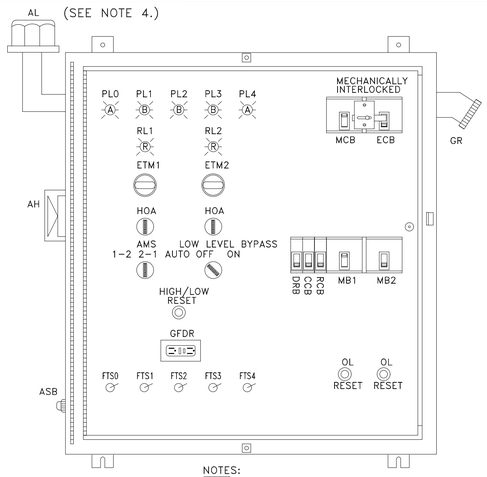
NOTES:

1. DRAWING IS SHOWN FOR 230 VOLT POWER SUPPLY. THE LOCATION OF METER AND MAIN POWER DISCONNECT SHALL BE REVERSED FOR 480 VOLT SUPPLY.
2. WHEN TWO (2) SEPARATE CONDUCTOR-TYPE MOTORS ARE USED, CONDUIT SHALL BE INCREASED TO THREE (3) INCH.
3. POWER SUPPLY SHALL BE UNDERGROUND TO THE PUMP STATION AND SHALL BE THREE (3) PHASE FROM A THREE (3) PHASE SOURCE ONLY.
4. STUB OUT UNISTRUT LONG ENOUGH TO ACCOMODATE A 24"x24" SCADA EQUIPMENT CABINET. CITY TO INSTALL SCADA EQUIPMENT CABINET.

DUPLEX PUMP STATION CONTROL PANEL INSTALLATION DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 302

824 - LIFT STATION CONTROL PANEL DETAIL N.T.S.



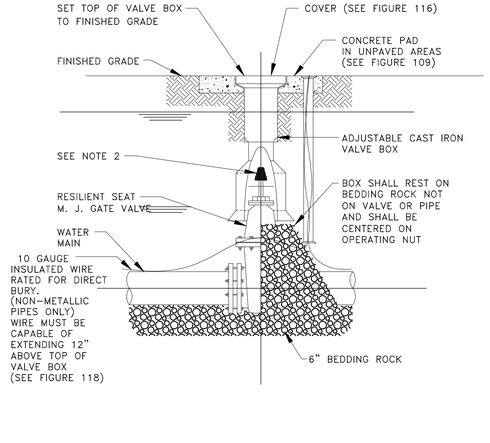
NOTES:

1. OUTER DOOR REMOVED TO SHOW DEADFRONT LAYOUT NEMA TYPE 3R 304 S.S. ENCL. WITH CONTINUOUS HINGE ALL HARDWARE STAINLESS STEEL TYPICAL, ACTUAL LAYOUT MAY VARY WITH HORSEPOWER
2. SERIES 3 (Q-FRAME) CIRCUIT BREAKERS
3. GENERATOR OUTLET FOR 230V - PYLE NATIONAL MODEL JRE4100/460V - CROUSE HINDS MODEL AR 2042.
4. THE HEIGHT OF THE ALARM LIGHT WILL NEED TO BE MADE VISIBLE FROM OUTSIDE THE LIFT STATION.

DUPLEX PUMP STATION CONTROL PANEL FRONT LAYOUT

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 303

825 - LIFT STATION PANEL DETAIL NTS



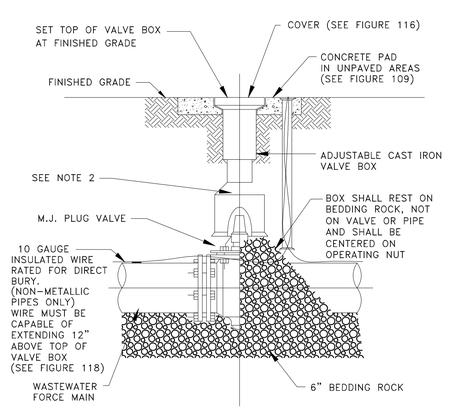
NOTES:

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

GATE VALVE AND BOX DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 400

826 - WATER GATE VALVE & BOX DETAIL NTS



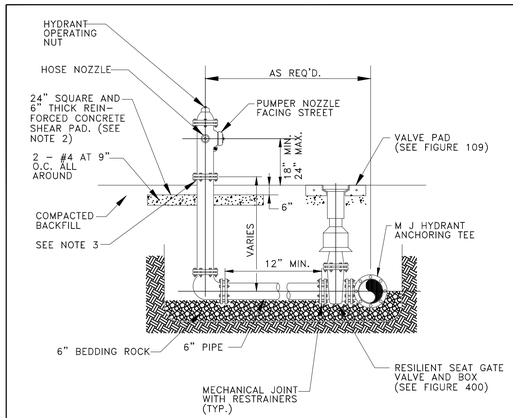
NOTES:

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

PLUG VALVE AND BOX DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 400 A

827 - PLUG VALVE & BOX DETAIL N.T.S.



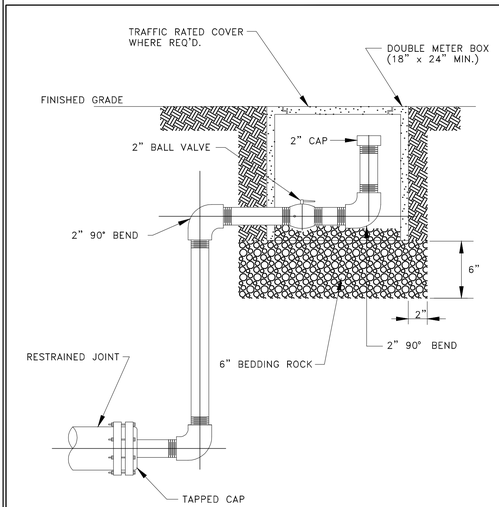
NOTES:

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

FIRE HYDRANT ASSEMBLY DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 402

828 - FIRE HYDRANT ASSEMBLY DETAIL NTS



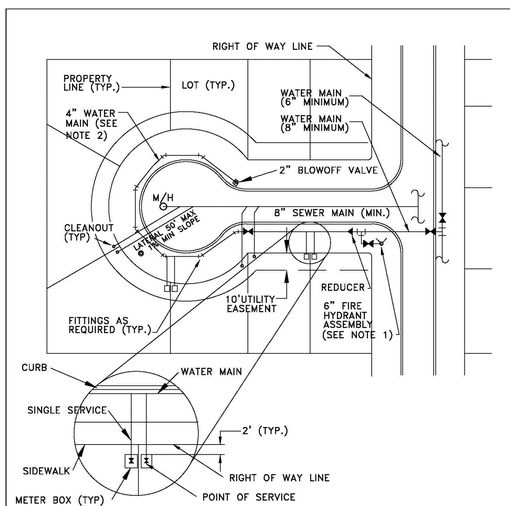
NOTES:

1. ALL 2 INCH PIPE AND FITTINGS SHALL BE SCHEDULE 40 GALVANIZED STEEL OR BRASS WITH THREADED (NPT) JOINTS. USE TEFLON TAPE ON JOINTS.
2. COLOR SHALL BE APPROPRIATE FOR USE.

BLOWOFF VALVE DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 403

829 - WATERMAIN BLOW-OFF VALVE DETAIL N.T.S.



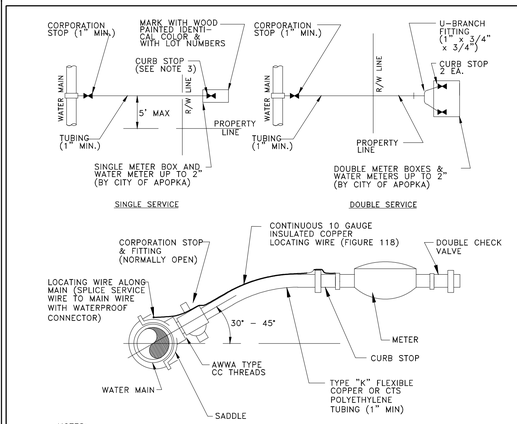
NOTES:

1. ANCHORING TYPE 90° BEND SHALL ONLY BE USED WHERE RIGHT-OF-WAY CONSTRUCTION WILL NOT ALLOW INSTALLATION OF A STRAIGHT ASSEMBLY.
2. POTABLE WATER MAINS SHALL BE MINIMUM 4" FOR THE LAST 500' OF A CUL-DE SAC NOT SERVING A HYDRANT.

TYPICAL SERVICE LOCATION DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	SEPTEMBER 2021	FIG. 404

830 - RESIDENTIAL UTILITY SERVICE DETAIL N.T.S.



NOTES:

1. ALL FITTINGS SHALL BE BRASS WITH COMPRESSION/PACK JOINT TYPE CONNECTIONS.
2. NO SERVICE LINE SHALL TERMINATE UNDER A DRIVEWAY.
3. EACH SERVICE SHALL TERMINATE AT A CURB STOP(S) WHICH SHALL BE BURIED APPROXIMATELY 3" BELOW FINAL GRADE AND SHALL BE CLEARLY MARKED WITH A 2" x 2" x 18" STAKE WITH THE TOP PAINTED BLUE FOR POTABLE WATER AND PURPLE FOR RECLAIMED WATER, AND MARKED WITH THE NUMBER OF THE LOT(S) TO BE SERVED.
4. RECLAIMED WATER SERVICES SHALL USE PURPLE COLORED CTS POLYETHYLENE TUBING.
5. POTABLE WATER SERVICES SHALL USE BLUE COLORED CTS POLYETHYLENE TUBING.
6. ALL SERVICE UNDER EXISTING OR PROPOSED PAVEMENT SHALL BE INSTALLED IN A MINIMUM 2" PVC SLEEVE.

WATER SERVICE CONNECTION DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 405

831 - WATER SERVICE CONNECTION DETAIL N.T.S.

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Utilities Details 4

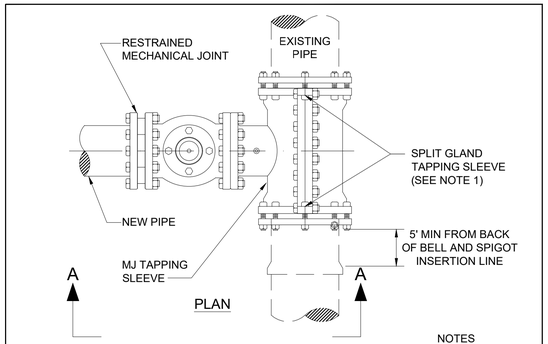
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

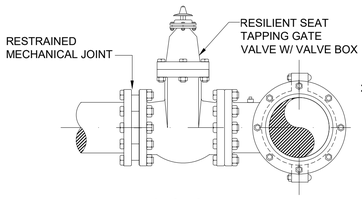
NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised To Screen Acc. & Golf Ct & Construction Modification
7	03/26/26	Revised To Change Lift Station Pump To Grinderflex
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	####	
10	####	

SHEET NUMBER
55 OF 61



NOTES

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

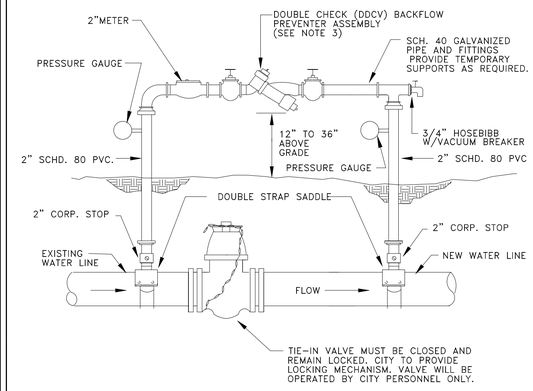


SECTION A - A

WATER AND RECLAIMED WATER MAINS WET TAP TIE-IN DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 406

832 - WATERMAIN WET-TAP DETAIL N.T.S.



NOTE:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS, ASSEMBLY, AND THE INSTALLATION OF THE DEVICE.
2. SEE FIGURE 504C FOR PROCEDURES.
3. DDCV IS MINIMUM PROTECTION REQUIRED. A RPZ DEVICE MAY BE REQUIRED DEPENDING ON PROJECT. PROVIDE COPY OF LATEST CERTIFICATION TEST RESULTS.

TEMPORARY JUMPER CONNECTION

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 504 A

833 - TEMPORARY JUMPER CONNECTION DETAIL NTS

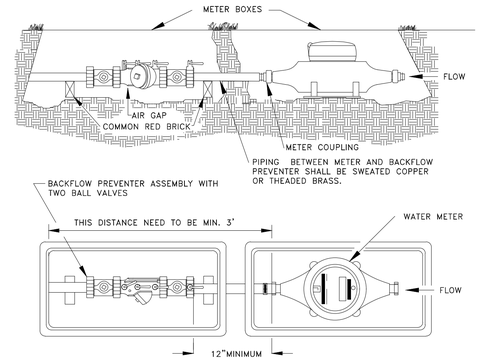
TEMPORARY JUMPER CONNECTION NOTES:

1. A temporary jumper connection is required at all connections between existing active water mains and proposed new water main improvements.
2. Figures 504 A and 504 B to be used for filling any new water main of any size from existing active water mains and for flushing of new mains up to 8 inches in diameter (2.5 FPS minimum velocity) and for pulling bacteriological samples from any new water main of any size. The jumper connection shall be maintained until after filling, flushing testing and disinfection of the new main has been successfully completed and cleared for use from the Florida Department of Environmental Protection (FDEP) and other pertinent agencies have been received. The jumper connection shall also be used to maintain a minimum pressure of 20 psi in the new mains after disinfection and until the FDEP clearance letter is obtained. Thrust blocking and/or restraints shall be provided temporarily, as required. Pipe and fittings used for connecting the new pipe to the existing pipe shall be disinfected prior to installation in accordance with AWWA C651, 2005 edition. The tapping sleeve and the exterior of the main to be tapped shall be disinfected by spraying or swabbing per section II of AWWA C651-05.
3. Flushing of 10 inches in diameter and larger water mains may be done through the tie-in valve under very controlled conditions. The following procedures shall be followed:
   A. The tie-in valves shall be operated and pressure tested in the presence of the City engineer to verify water tightness prior to tie-in. Valves which are not water tight shall be replaced with a new valve installed immediately adjacent to the leaking valve.
   B. The temporary jumper connection shall be constructed as detailed. The jumper connection shall be used to fill the new water main and for providing water for bacteriological sampling of the new main as required by the FDEP permit.
   * Flushing shall not be attempted during peak demand hours of the existing water mains.
   * All downstream valves in the system must be open prior to opening the tie-in valve.
   * Provide for and monitor the pressure in the tie-in point. The pressure in the existing main must not drop below 35 psi.
   * The tie-in valve shall be opened a few turns only, ensuring a pressure drop across the valve is greater than 10 psi.
   C. The tie-in valve shall be locked closed by the City personel until flushing begins.
   D. The tie-in valve shall be opened only for flushing of the new main. The procedure shall be directed by the City and observed by the engineer.
   E. After flushing, the tie-in valve shall be closed and locked in the closed position by the City personel.
4. The contractor shall provide documentation demonstrating that the double check backflow prevention device has been tested and is in good working order at the time of installation.
5. Except as required to flush lines of greater than 8 inches in diameter, the tie-in valve shall remain closed and shall be locked in the closed position by the City. The tie-in valve shall remain locked closed until the new system has been cleared for use by FDEP and all other pertinent agencies.
6. Upon receipt of clearance for use from FDEP and all other pertinent agencies, the contractor shall remove the temporary jumper connection. The corporation stops are to be closed and plugged with 2 inch brass plugs.
7. All installation and maintenance of the temporary jumper connection and associated backflow prevention device, fittings, valve, etc. shall be the responsibility of the contractor.

PROCEDURES FOR TEMPORARY JUMPER CONNECTION

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 504 C

834 - TEMPORARY JUMPER CONNECTION NOTES NTS

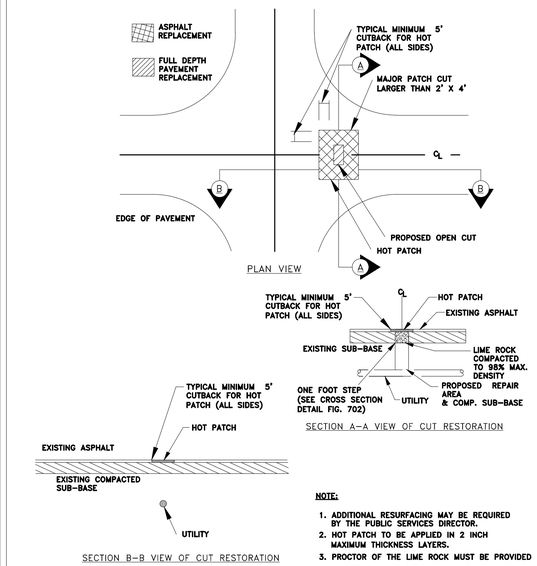


1. A 3' PIECE OF STRAIGHT PIPE MUST BE CONNECTED TO METER USING THE DESIGNATED HOLES IN THE METER BOX BEFORE ANY ANGLES ARE CONNECTED. THE SAME RULES APPLY FOR DOUBLE METER HOOK-UPS.
2. BACKFLOW DEVICE AND METER ARE TO BE SET BY THE CITY FOR METERS 2-INCH OR LESS IN SIZE.

POTABLE WATER SERVICE DETAIL FOR LOTS SERVED WITH RECLAIMED WATER

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 505

835 - POTABLE WATER/RECLAIM SERVICE DETAIL N.T.S.



NOTE:

1. ADDITIONAL RESURFACING MAY BE REQUIRED BY THE PUBLIC SERVICES DIRECTOR.
2. HOT PATCH TO BE APPLIED IN 2 INCH MAXIMUM THICKNESS LAYERS.
3. PROCTOR OF THE LIME ROCK MUST BE PROVIDED
4. DENSITIES TO BE PROVIDED BY GEOTECHNICAL ENGINEER.

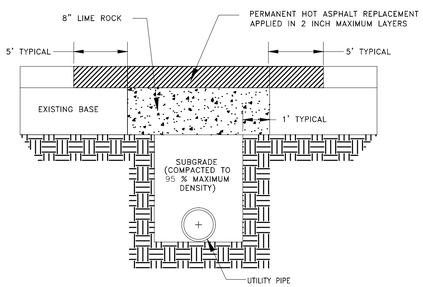
OPEN-CUT DETAIL - MAJOR PATCH

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2015	FIG. 701

836 - ROADWAY OPEN-CUT PATCH/REPAIR DETAIL NTS

NOTE:

SUB-GRADE TO BE COMPACTED TO 95% MAX. DENSITY AS DETERMINED BY AASTHO T-180 CUT TO BE REPLACED WITH 8" LIME ROCK AND COMPACTED TO 98% MAX. DENSITY TO TOP OF EXISTING BASE. CUT AREA TO BE PLATED OR PROTECTED ON THE DAY OF POUR. EXISTING SURFACE TO BE SAW CUT TO AN AREA OF FIVE FEET (5') BEYOND BASE CUT.



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.

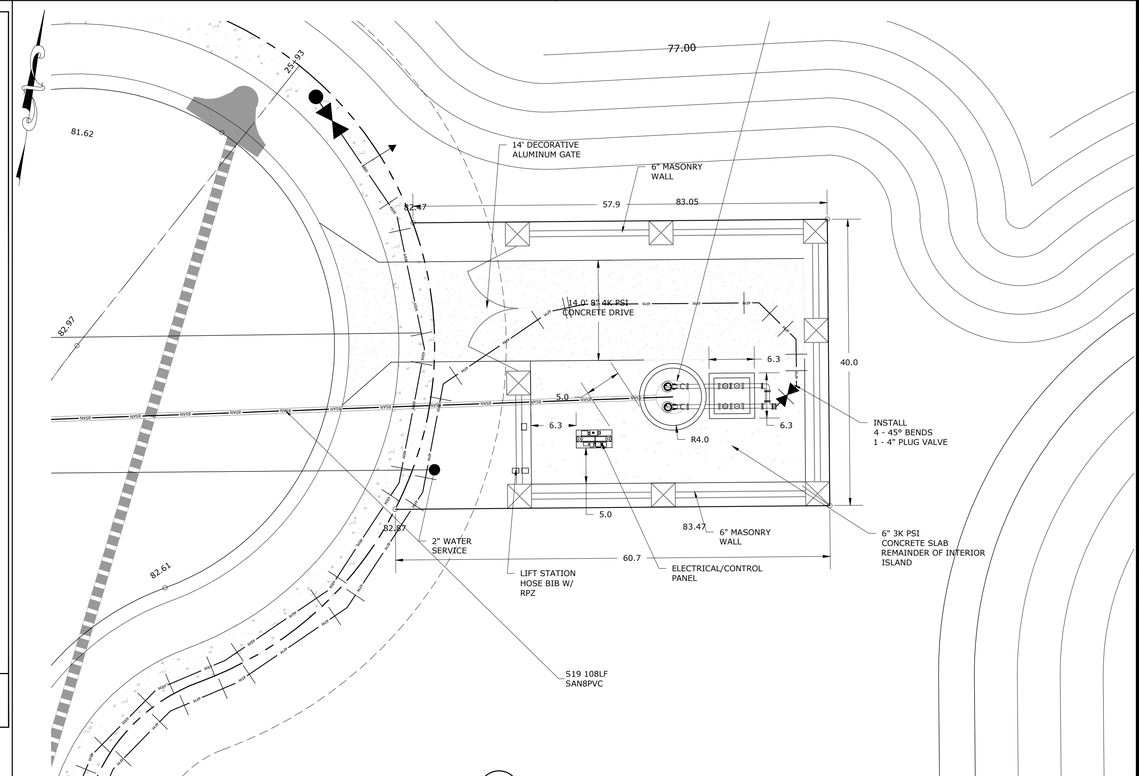
LIME ROCK

HOT PATCH

OPEN-CUT CROSS SECTION DETAIL

CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2015	FIG. 702

837 - ROADWAY OPEN-CUT SECTION DETAIL N.T.S.



838 - LIFT STATION DETAIL SITE PLAN 1"=10'

G L SUMMITT ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

Utilities Details 5

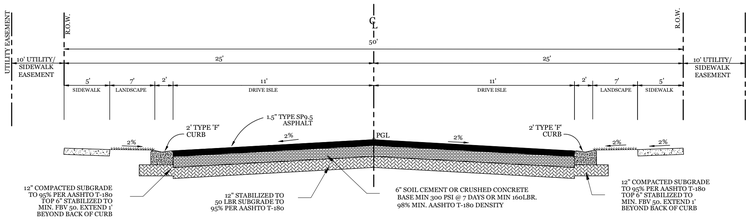
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

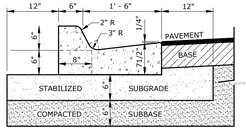
Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/26/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Screen Acc. & Golf Ct & Construction Modification
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	####	
10	####	

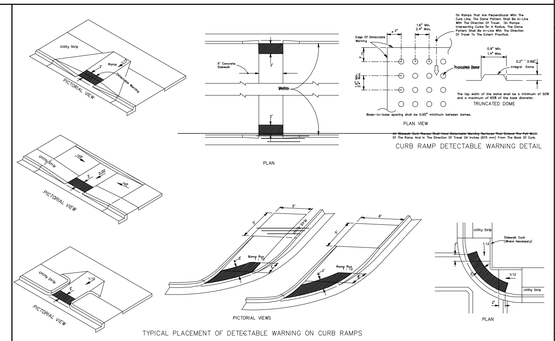
SHEET NUMBER
56 OF 61



100 - TYPICAL 50' ROW ROADWAY CROSS SECTION DETAIL
N.T.S.

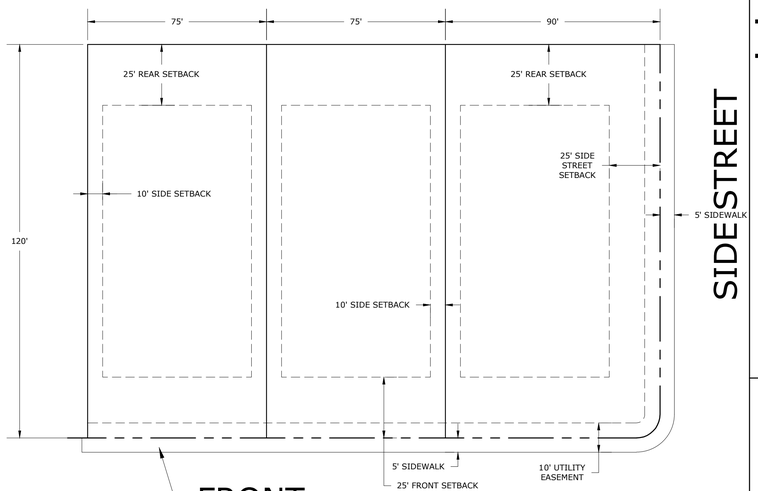


101 - TYPE 'F' CURB DETAIL
N.T.S.

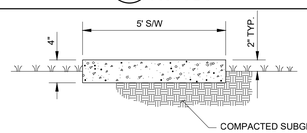


TYPICAL PLACEMENT OF DETECTABLE WARNING ON CURB RAMPS

102 - TRUNCATED DOME DETAIL
N.T.S.



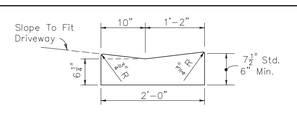
103 - TYPICAL RSF-1B LOT LAYOUT PLAN
N.T.S.



CONCRETE WALK AT 3,000 PSI
WOOD FLOAT FINISH. SAW CUT
CONTRACTION JOINTS AT 5' O.C. MIN.
EXPANSION JOINT AT 20' O.C. MIN

NOTE: ALL SIDEWALK TO BE CONSTRUCTED AS PART OF INFRASTRUCTURE

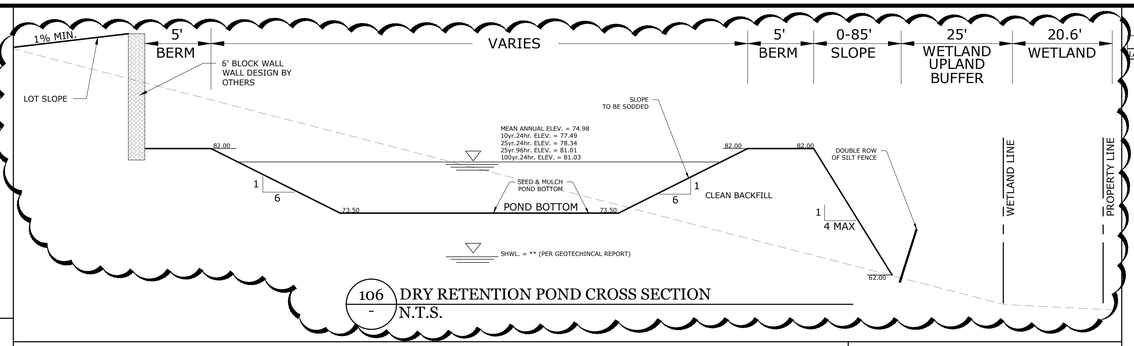
104 - STANDARD SIDEWALK DETAIL
N.T.S.



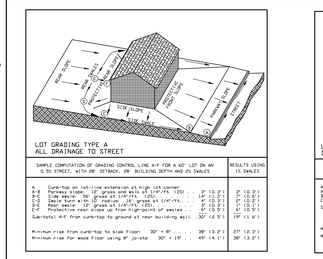
For curb, gutter, curb and gutter and traffic separators provide ½" contraction joints at 10' centers (max.). Contraction joints adjacent to concrete pavement on tangents and flat curves are to match the pavement joints, with intermediate joints not to exceed 10' centers.

½"

105 - MIAMI CURB
N.T.S.

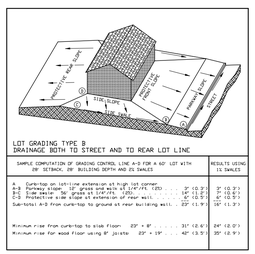


106 - DRY RETENTION POND CROSS SECTION
N.T.S.



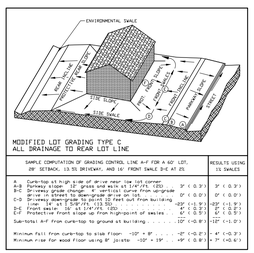
SAMPLE COMPUTATION OF GRADING CONTROL LINE A-F FOR A 60' LOT ON A 0.5% STREET, WITH 29' SETBACK, 29' BUILDING DEPTH AND 2% SWALES	RESULTS USING 1% SWALES
A - Curb-top on lot-line extension at high lot corner	
A-B Driveway grade change = vertical curve from upgrade 3% (-0.3') to downgrade 3% (-0.3')	3' (-0.3')
B-C Side swale: 36' grade at 1/4"/Ft. (-0.2')	3" (-0.2')
C-D Swale turn with 10' radius, 33' grade at 1/4"/Ft.	3" (-0.2')
D-E Side swale: 36' grade at 1/4"/Ft. (-0.2')	3" (-0.2')
E-F Protective rear slope up from high-point of swales	6" (-0.5')
Sub-total A-F from curb-top to ground at rear building wall.	30" (-2.5')
Minimum rise from curb-top to slab floor: 30" + 8"	38" (3.2')
Minimum rise for wood floor using 8" joists: 30" + 19"	49" (4.1')

107 - TYPE 'A' LOT GRADING
N.T.S.



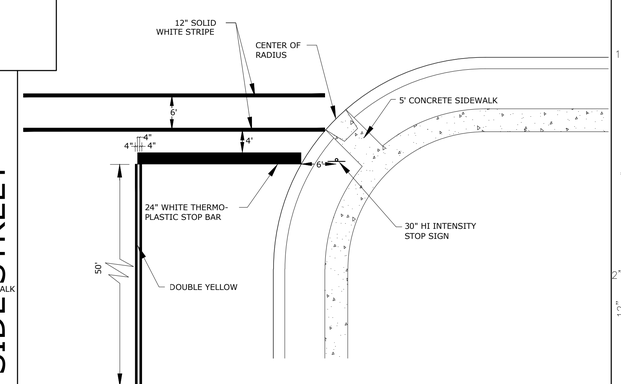
SAMPLE COMPUTATION OF GRADING CONTROL LINE A-G FOR A 60' LOT WITH 29' SETBACK, 29' BUILDING DEPTH AND 2% SWALES	RESULTS USING 1% SWALES
A - Curb-top on lot-line extension at high lot corner	
A-B Driveway grade change = vertical curve from upgrade 3% (-0.3') to downgrade 3% (-0.3')	3" (-0.3')
B-C Side swale: 36' grade at 1/4"/Ft. (-0.2')	3" (-0.2')
C-D Protective side slope at extension of rear wall.	6" (-0.5')
Sub-total A-D from curb-top to ground at rear building wall.	23" (-1.9')
Minimum rise from curb-top to slab floor: 23" + 8"	31" (2.6')
Minimum rise for wood floor using 8" joists: 23" + 19"	42" (3.5')

108 - TYPE 'B' LOT GRADING
N.T.S.



SAMPLE COMPUTATION OF GRADING CONTROL LINE A-F FOR A 60' LOT, 29' SETBACK, 13.5% DRIVEWAY, AND 16' FRONT SWALE 3-E AT 2%	RESULTS USING 1% SWALES
A-B Curb-top at high side of drive near low lot corner:	
B-C Driveway grade change = vertical curve from upgrade 3% (-0.3') to downgrade 3% (-0.3')	3" (-0.3')
C-D Drive at street high point to low point from building: -20" (-1.9') -23" (-2.3')	3" (-0.2')
D-E Side swale: 36' grade at 1/4"/Ft. (-0.2')	3" (-0.2')
E-F Protective front slope up from high-point of swales	6" (-0.5')
Sub-total A-F from curb-top to ground at building: -10" (-0.8') -12" (-1.0')	6" (-0.5')
Minimum fall from curb-top to slab floor: -10" + 8" -2" (-0.2')	4" (-0.3')
Minimum rise for wood floor using 8" joists: -10" + 19" +9" (0.8')	+7" (+0.6')

109 - TYPE 'C' LOT GRADING
N.T.S.

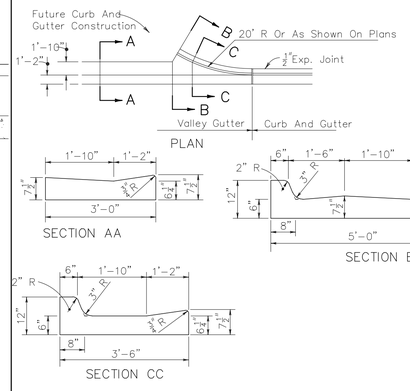


110 - STOP SIGN, STOP BAR & CROSSWALK
N.T.S.

POND BERM PREP REQUIREMENTS: (Applies to the entire perimeter of all dry ponds and swales)

1. The berm footprint plus a minimum margin of 3 feet should be cleared, stripped and grubbed to remove all surface vegetation, roots, topsoil and other deleterious materials. Materials generated during this process should be removed from the site and/or stockpiled onsite as directed by the owner/engineer.
2. Within the berm footprint, plus a minimum margin of 3 feet on either side, the resulting cleared surface and the exposed natural soils should be proof rolled to detect unstable conditions such as yielding or pumping soils. Soft areas or excessively wet soils should be excavated, removed, dried and/or replaced with suitable compacted fill, as described below.
3. No construction dewatering is anticipated.
4. The resulting cleared surface should be leveled and then compacted by means of a large self-propelled vibratory roller which has a minimum static weight of 12,000 pounds and is capable of exerting a minimum impact energy of 20,000 pounds (i.e., DYNAPAC CA-15 or equivalent) in areas more than 75 feet away from existing structure(s). Within 75 feet of an existing structure(s) and areas where the groundwater table is within 2 feet of the ground surface, compaction should be achieved with a vibratory roller in the static mode or the use of non-vibratory compaction equipment, such as a heavy rubber tired front end loader. The front end loader should have a minimum bucket size of 3 cubic yards which should remain full during the compaction operation.
5. The compaction efforts should continue until the subsoils within the proposed berm footprint are compacted to a minimum density equivalent to 95 percent of the soils' Maximum Modified Proctor Density value (AASHTO T-180), as tested to a minimum depth of 1 foot below the bottom of the exposed subgrade.
6. Fill material required to attain finished grade should comprise the fine sands from the onsite excavation. The fill soils should be placed in lifts not exceeding 12 inches loose thickness and compacted to the minimum density specified above (95% Modified Proctor). No tree limbs or other debris should be emplaced in the fill berm or pond bottom without the approval of the geotechnical engineer. Such inclusions in the fill berm can cause settlement and provide preferential pathways for seepage through the berm and result in berm failure. Do bury trees, vegetation debris or organic material within the berm fill or pond perimeter.
7. The intent of the compaction requirements outlined herein is to provide compacted soils to the top of the berm.
8. A representative of the project geotechnical engineer should be retained to provide on-site inspection and testing during the site preparation activities so that proper documentation and compliance of the recommendations outlined above can be provided.

106A - DRY RETENTION POND CONSTRUCTION NOTES
N.T.S.



113 - VALLEY GUTTER DETAIL
N.T.S.

Lot Area Table				
Lot Number	Gross Area (sqft)	Gross Area (ac.)	Lot Width (ft)	Zoning
1	8,991.00	0.21	75	RSF-1B
2	9,000.00	0.21	75	RSF-1B
3	9,000.00	0.21	75	RSF-1B
4	10,553.00	0.24	90	RSF-1B
5	10,553.37	0.24	90	RSF-1B
6	9,000.00	0.21	75	RSF-1B
7	9,000.00	0.21	75	RSF-1B
8	9,055.48	0.21	75	RSF-1B
9	10,636.00	0.24	75	RSF-1B
10	9,000.00	0.21	75	RSF-1B
11	9,000.00	0.21	75	RSF-1B
12	9,000.00	0.21	75	RSF-1B
13	9,000.00	0.21	85	RSF-1B
14	9,000.00	0.21	85	RSF-1B
15	9,463.20	0.22	75	RSF-1B
16	9,544.89	0.22	75	RSF-1B
17	11,371.17	0.26	75	RSF-1B
18	9,000.00	0.21	75	RSF-1B
19	9,000.00	0.21	75	RSF-1B
20	9,000.00	0.21	75	RSF-1B
21	9,000.00	0.21	75	RSF-1B
22	9,000.00	0.21	75	RSF-1B
23	10,665.87	0.24	75	RSF-1B
24	10,665.87	0.24	75	RSF-1B
25	9,000.00	0.21	75	RSF-1B
26	9,000.00	0.21	75	RSF-1B
27	9,000.00	0.21	75	RSF-1B
28	9,000.00	0.21	75	RSF-1B
29	9,000.00	0.21	75	RSF-1B
30	10,665.87	0.24	75	RSF-1B
31	9,000.00	0.21	75	RSF-1B
32	9,000.00	0.21	85	RSF-1B
33	9,000.00	0.21	75	RSF-1B
34	9,000.00	0.21	75	RSF-1B
35	10,083.03	0.23	75	RSF-1B
36	12,099.87	0.28	75	RSF-1B
37	9,000.00	0.21	75	RSF-1B
38	9,000.00	0.21	75	RSF-1B
39	9,000.00	0.21	75	RSF-1B
40	10,665.87	0.24	75	RSF-1B
41	10,665.87	0.24	75	RSF-1B
42	9,000.00	0.21	90	RSF-1B
43	9,000.00	0.21	90	RSF-1B
44	9,000.00	0.21	75	RSF-1B
45	12,099.87	0.28	75	RSF-1B
46	9,000.00	0.21	75	RSF-1B
47	9,000.00	0.21	75	RSF-1B
48	9,000.00	0.21	75	RSF-1B
49	9,000.00	0.21	75	RSF-1B
50	9,000.00	0.21	75	RSF-1B
51	9,000.00	0.21	75	RSF-1B
52	9,944.63	0.23	75	RSF-1B
53	9,355.21	0.21	90	RSF-1B
54	9,000.00	0.21	75	RSF-1B
55	9,000.00	0.21	75	RSF-1B
56	9,000.17	0.21	75	RSF-1B
57	8,997.18	0.21	75	RSF-1B
58	9,000.00	0.21	75	RSF-1B
59	10,979.79	0.25	75	RSF-1B
60	10,665.87	0.24	75	RSF-1B
61	10,665.87	0.24	75	RSF-1B
62	9,000.00	0.21	75	RSF-1B

Lot Area Table				
Lot Number	Gross Area (sqft)	Gross Area (ac.)	Lot Width (ft)	Zoning
63	9,000.00	0.21	90	RSF-1B
64	9,000.00	0.21	75	RSF-1B
65	9,000.00	0.21	75	RSF-1B
66	9,000.00	0.21	75	RSF-1B
67	9,000.00	0.21	75	RSF-1B
68	9,000.00	0.21	75	RSF-1B
69	9,000.00	0.21	75	RSF-1B
70	9,000.00	0.21	75	RSF-1B
71	10,665.87	0.24	75	RSF-1B
72	11,284.39	0.26	75	RSF-1B
73	9,515.43	0.22	75	RSF-1B
74	9,515.43	0.22	75	RSF-1B
75	9,515.43	0.22	75	RSF-1B
76	9,515.43	0.22	75	RSF-1B
77	9,515.43	0.22	75	RSF-1B
78	9,515.43	0.22	75	RSF-1B
79	9,515.43	0.22	75	RSF-1B
80	9,515.43	0.22	75	RSF-1B
81	9,453.46	0.22	75	RSF-1B
82	10,665.87	0.24	75	RSF-1B
83	9,000.00	0.21	75	RSF-1B
84	9,000.00	0.21	75	RSF-1B
85	9,000.00	0.21	75	RSF-1B
86	9,011.41	0.21	75	RSF-1B

111 - LOT AREA TABLE
N.T.S.

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

General Details 1

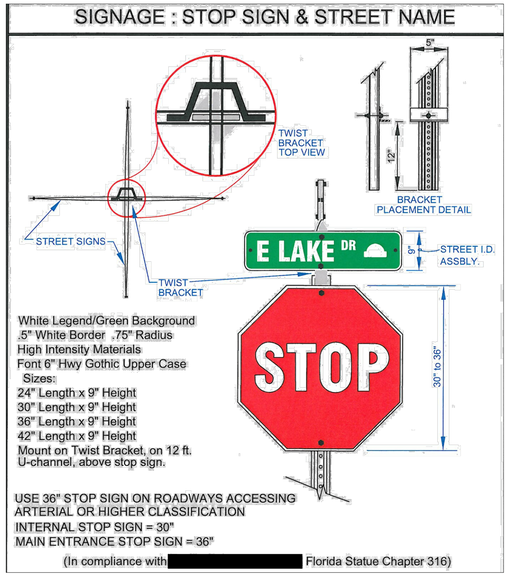
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

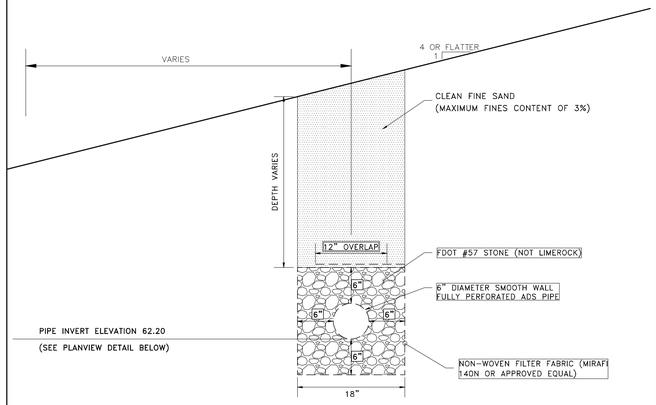
Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/26/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Screen Ave. & Gulf Ct & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	####	
10	####	

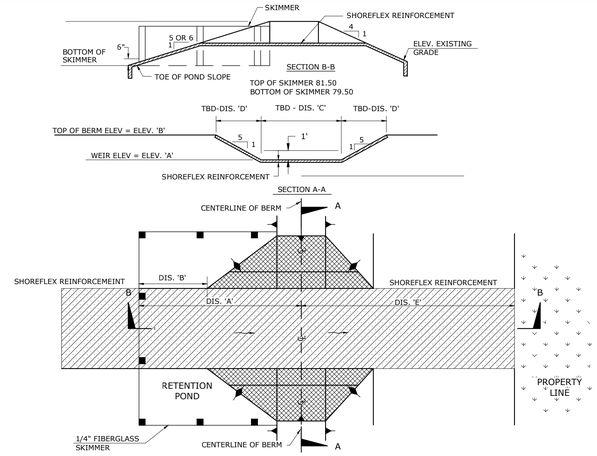
SHEET NUMBER
57 OF 61



200 - STOP SIGN & STREET SIGN DETAIL
N.T.S.



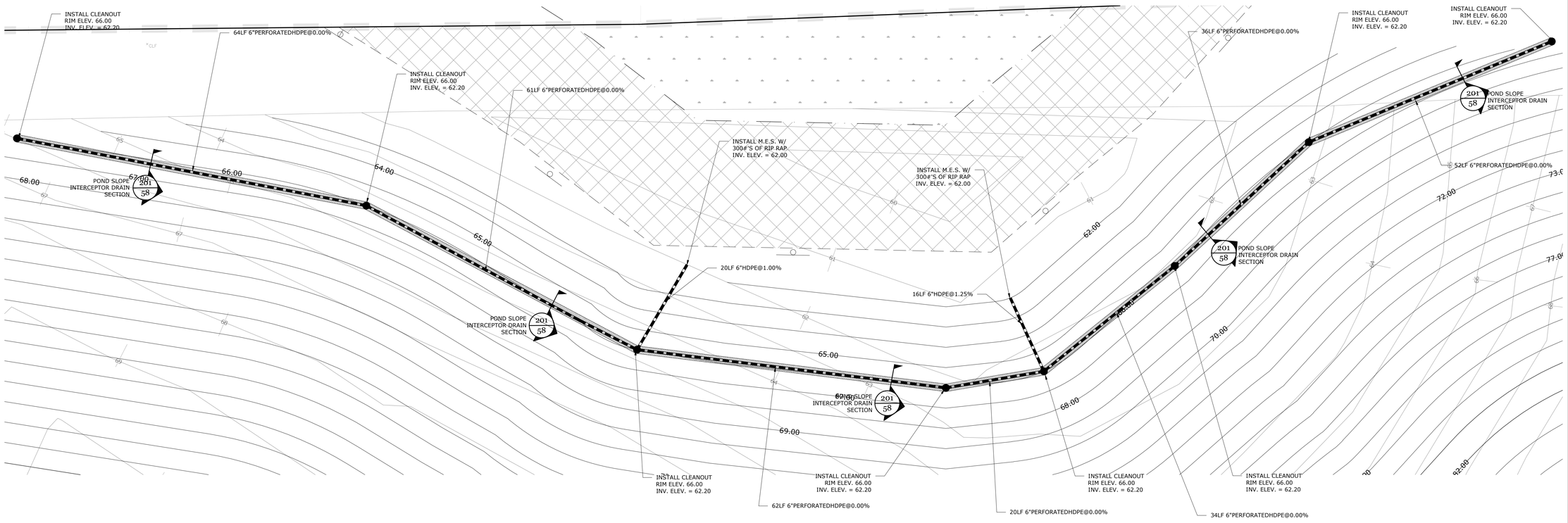
201 - POND SLOPE INTERCEPTOR DRAIN DETAIL
N.T.S.



Detention Pond Weir Structure Table

	Distance 'A'	Distance 'B'	Distance 'C'	Distance 'D'	Distance 'E'	Elevation 'A'	Elevation 'B'
SW-1	10	5	20	5	5	81.00	82.00

202 - POND EMERGENCY OVERFLOW WEIR DETAIL
N.T.S.



203 - POND SLOPE INTERCEPTOR DRAIN PLANVIEW DETAIL
N.T.S.

G L SUMMITT
ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

General Details 2

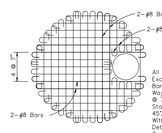
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/30/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Screen Area & Graffiti & Construction Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9		
10		

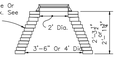
SHEET NUMBER
58 OF 61



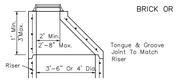
REINFORCEMENT PLAN

All Reinforcement No. 6 Bars Except 6–#8 Bars Shown. Bars Spaced @ 6" Centers Both Ways Except Middle Bars Shown @ 3" Centers. All Bars with ACI Standard Hooks Canted Approx. 45°, Or Embedded In Accordance With The Slab Reinforcement Detail Shown Under Optional Construction Joints, Sheet No. 3 of 6, Except All #8 Bars And #6 Bars Around Manhole Opening Shall Be Hooked.

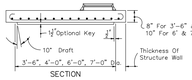
PRECAST CONCENTRIC CONE



BRICK OR CONCRETE



PRECAST ECCENTRIC CONE

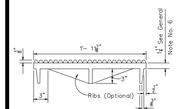


SECTION

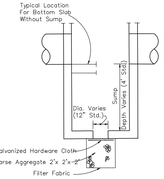
TYPE 7-T (TRAFFIC) (H-20)

TYPE 8 MANHOLES

MANHOLE TOPS

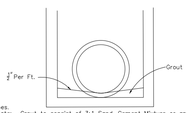


SECTION



NOTE: Sump bottom appropriate for all manhole and inlet types. Cost for sump bottom to be included in the contract price for inlet or manhole.

SUMP BOTTOM



Grout to consist of 3:1 Sand–Cement Mixture or any Class Concrete. FOR ALL STRUCTURES UNLESS EXCLUDED BY SPECIAL DETAIL

DRAINAGE STRUCTURE INVERT

COVER FOR ALL FRAMES

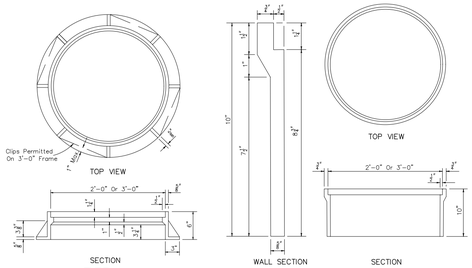
WEIGHT OF CASTINGS						
Frame Type	2" OPENING		3" OPENING			
	Frame	Cover (Std.)	Frame	2-Piece Cover		
				Cover	Ring	Total
~	126 Lbs.	212 Lbs.	220 Lbs.	212 Lbs.	250 Lbs.	462 Lbs.
~~	134 Lbs.	212 Lbs.	260 Lbs.	212 Lbs.	250 Lbs.	462 Lbs.
~~	98 Lbs.	212 Lbs.	220 Lbs.	212 Lbs.	250 Lbs.	462 Lbs.

NOTES (TOPS)

1. Manhole top Type 7 slabs shall be of Class ~~ concrete. Concrete as specified in ASTM C-478 may be used for precast units; see General Note No. 3.
2. Manhole top Type 7 slabs may be of cast-in-place or precast construction. The optional key is for precast tops and in lieu of dowels. Frame and slab openings are to be omitted when top is used over a junction box. Frames can be adjusted with from one to six courses of brick.
3. Manhole top Type 8 may be of cast-in-place or precast concrete construction or brick construction. For concrete construction, the concrete and steel reinforcement shall be the same as the supporting wall unit. An eccentric cone may be used.
4. Manhole tops shall be secured to structures by optional construction joints as shown on Sheet 3 of 6.

NOTES (FRAMES, AND COVER)

1. The 212 lb. cover is to be used for all frames Types ~, ~~, ~~~ and the 2-Piece Cover, and is the replacement cover for all previous frames with 3" deep seats (traffic type). The 185 lb. cover (non-traffic type) is the replacement cover for existing frames per Index No. 201, or the replacement cover for existing frames with deep seats. Installation of frames with deep seats is not permitted. The 185 lb. covers are to be placed in existing deep seated frames only when specifically called for in the plans or as specifically directed by the Engineer.



CAST IRON FRAMES

300 - SUPPLEMENTARY DETAILS FOR MANHOLES AND INLETS N.T.S.

ShearForce10 Recommended Anchors		
Soil Type	*Minimum Anchor	Alternate Anchors
Cohesive, well compacted or undisturbed	8"x2"x6" wire U-staple	18" Fabric Pin, 9" Plastic Stake
Cohesive, loose	12"x2"x12" wire U-staple	18" Fabric Pin, 12" Plastic Stake
Non-Cohesive, well compacted or undisturbed	12"x2"x12" wire U-staple	24" Fabric Pin, 12" Plastic Stake
Non-Cohesive, loose	15"x2"x18", ⅜" Rebar U-staple	36" Percussion Earth Anchor

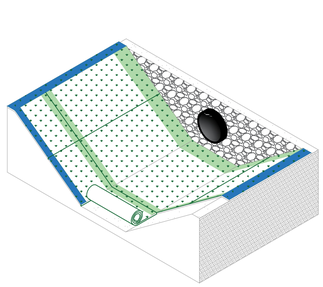
*Unstaped anchors are recommended as they can be staped between adjacent rolls when seaming, reducing total anchors needed during installation.

Installation Guidelines

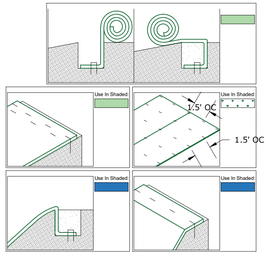
1. Select appropriate anchors for matting based on soil type and consistency (See Recommended Anchors Table).
2. Prepare seedbed, create a smooth soil surface and eliminate any existing rills, soil clods, sticks or rocks larger than 2-inches in diameter.
3. Apply seed, fertilizer, and other amendments at the specified rates, either by broadcasting, drilling, or hydro-seeding.
4. Position and anchor leading edge of mats at in-flow end of channel with one of the following acceptable methods:
   - 4.1.1. 6-inch Covered Anchor Trench (Figure 1)
     Construct a 6-inch wide by 6-inch deep anchor trench across the top width of the channel. Position the leading edge of the mat in the bottom of the trench, with the topside (simulated turf surface) facing down. Make sure mat roll is properly aligned with channel direction. Position any adjacent rolls according to Step 6, and anchor leading edges of all mats into bottom of trench on 1-foot centers. Backfill trench, compact soil and apply additional seed to compacted soil surface. Unroll material over compacted anchor trench (Fig 1).
   - 4.2. Double Row Anchor Check (Figure 2)
     Where trenching is not practical or desired, an anchor check may be used to secure the leading edge of the mats. Position the leading edge of the mats with the topside (simulated turf surface) facing up, ensuring that the mat rolls are properly aligned with channel direction. Position any adjacent rolls according to Step 6. Secure leading edges of mats with a row of anchors spaced 6-inches apart, with a second staggered row of anchors spaced 6-inches apart, approximately 4-6-inches behind the first row. (Fig 2).
5. Anchor mat body. (Figure 3), Unroll material down channel surface, slightly stretch and relax mat to remove any wrinkles. Let unrolled mats rest in sunlight for a minimum of 15 minutes to normalize surface temperature before anchoring. Fasten with anchors on 1.5-foot centers according to Fig 3. Use additional anchors as necessary to smooth any remaining wrinkles and ensure that mat is in intimate contact with underlying soil surface.
6. Seam adjacent rolls. (Figure 3), Butt roll edges together and anchor on 1.5-foot centers (Fig 3). A small gap of less than ½ -inch at the seam between rolls is acceptable and will not affect performance.
7. Anchor mat edges at top of side-slopes with one of two acceptable methods:
   - 7.1. 6-inch Anchor Trench (Figure 4)
     Construct a 6-inch wide by 6-inch deep anchor trench at the top or over the crest of each side-slope and fasten the full length edge of mats into the bottom, with anchors spaced 1-foot apart. Backfill trench, compact soil and apply additional seed to compacted soil surface (Fig 4).
   - 7.2. Single Row Anchor Check (Figure 5)
     Where trenching is not practical or desired, an anchor check may be used alternatively to secure the side-slope mat edges. Anchor side-slope edges of mats with a single row of anchors spaced 6-inches apart (Fig 5).
8. Seaming consecutive roll ends. Butt together (no overlap) consecutive roll ends and securely fasten leading edge of downslope rolls with a Double Row Anchor Check as described in Step 4.2 (see Fig 2).
9. Terminal channel roll ends. Anchor roll ends at the terminal outfall of channel by constructing a 6-inch Anchor Trench (Fig 4) or with a Single Row Anchor Check (Fig 5).

Additional Tips for Fast & Effective Installation

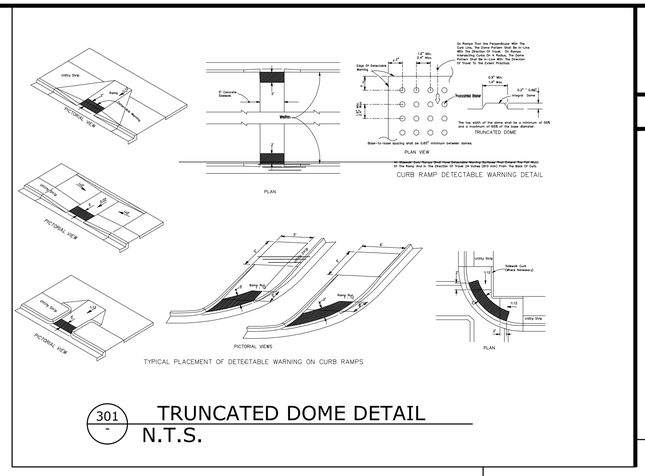
- Install mat with simulated turf on top and fabric backing against soil surface.
- For best vegetative results, do not install on top of any additional erosion control blanket, TRM, or fabric.
- Continuous fabric contact with the underlying soil surface is very important for effective product performance. Unroll mat and let rest in sunlight for a minimum of 15 minutes to normalize surface temperature before anchoring the mat body. Work out any wrinkles in the material before anchoring. If wrinkles remain, additional anchors may be necessary to ensure good fabric-to-soil contact.
- In channel bends or reaches that are not straight, miter cut roll joints to prevent wrinkles in material.
- Use a heavy-duty utility knife or commercial-grade shears to cut material as necessary.
- When seaming cut roll ends or edges, DO NOT OVERLAP. Simply butt together cut ends or edges and seam together with a single row of anchors, spaced 6-inches apart.



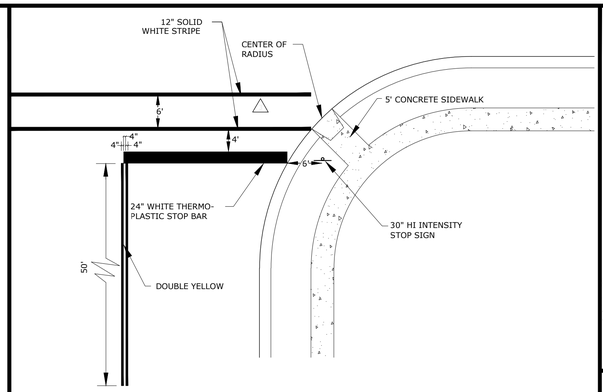
303 - SHEARFORCE-10 EROSION DETAIL N.T.S.



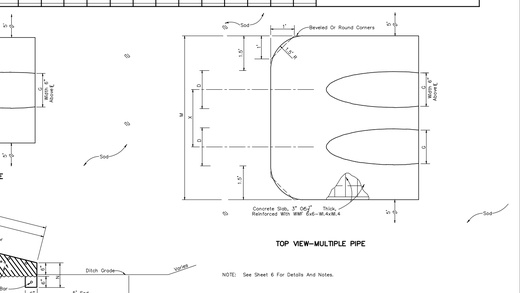
305 - TYPE 'C and D' DITCH BOTTOM INLETS N.T.S.



301 - TRUNCATED DOME DETAIL N.T.S.



302 - STOP SIGN, STOP BAR & CROSSWALK N.T.S.



304 - MITERED END SECTION N.T.S.

DIMENSIONS AND QUANTITIES																								
								M					5½" CONCRETE SLAB (CY)				SODDING (SQ. YDS.)							
	D	X	K	B	C	E	F	G	Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe	N	Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe	Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe				
2:1 Slope	18"	2'-3"	0.5	7.88	4.16	1.00	0'	1.41	4.24	6.82	8.70	12.08	1.04	0.36	0.54	0.74	0.94	61	84	91	99				
	24"	2'-9"	0.5	8.63	4.91	1.00	0'	1.66	4.99	8.04	10.26	14.24	1.04	0.41	0.62	0.85	1.08	67	91	99	107				
	30"	3'-3"	0.5	9.38	5.66	1.00	0'	1.91	5.74	9.26	11.82	16.40	1.04	0.47	0.70	0.96	1.22	73	99	107	116				
	36"	3'-9"	0.5	9.83	6.07	1.00	0'	2.00	6.08	9.82	12.58	17.48	1.04	0.51	0.76	1.03	1.31	77	105	114	124				
	42"	4'-3"	0.5	10.38	6.57	1.00	0'	2.17	6.58	10.64	13.66	18.98	1.04	0.56	0.83	1.12	1.42	82	113	123	134				
	48"	4'-9"	0.5	10.92	7.07	1.00	0'	2.33	7.08	11.46	14.74	20.48	1.04	0.60	0.90	1.21	1.53	87	122	133	145				
	54"	5'-3"	0.5	11.47	7.57	1.00	0'	2.50	7.58	12.28	15.82	21.98	1.04	0.65	0.97	1.30	1.64	92	131	142	155				
	60"	5'-9"	0.5	12.02	8.08	1.00	0'	2.66	8.08	13.10	16.90	23.48	1.04	0.69	1.03	1.39	1.75	97	139	151	165				
4:1 Slope	18"	2'-3"	1.00	9.09	5.37	1.25	4'-3"	6.90"	5.50"	17.08"	1.04	0.44	0.68	0.91	1.15	99	99	99	99				
	24"	2'-9"	1.00	9.84	6.12	1.25	4'-9"	7.66"	6.26"	19.50"	1.04	0.49	0.77	1.05	1.33	99	99	99	99				
	30"	3'-3"	1.00	10.59	6.88	1.25	5'-3"	8.42"	7.02"	21.92"	1.04	0.55	0.86	1.18	1.51	99	99	99	99				
	36"	3'-9"	1.00	11.04	7.38	1.25	5'-9"	8.92"	7.52"	23.52"	1.04	0.59	0.93	1.27	1.62	99	99	99	99				
	42"	4'-3"	1.00	11.59	7.89	1.25	6'-3"	9.43"	8.03"	25.13"	1.04	0.63	0.99	1.36	1.73	99	99	99	99				
	48"	4'-9"	1.00	12.14	8.39	1.25	6'-9"	9.93"	8.53"	26.73"	1.04	0.68	1.06	1.45	1.85	99	99	99	99				
	54"	5'-3"	1.00	12.69	8.90	1.25	7'-3"	10.44"	9.04"	28.34"	1.04	0.72	1.13	1.54	1.96	99	99	99	99				
	60"	5'-9"	1.00	13.24	9.40	1.25	7'-9"	10.94"	9.54"	29.94"	1.04	0.76	1.20	1.63	2.08	99	99	99	99				

See General Note No. 3.
See Sheet 5 Of 6 For 3" Slab Quantities

GENERAL NOTES

1. The finished grade and slope of the inlet tops are to conform with the finished cross slope and grade of the proposed sidewalk and/or border.
2. When inlets are to be constructed on a curve, refer to the Standard Index for radius data, where necessary, modify the inlet details accordingly. Bend steel when necessary.
3. Curb Inlet Types 1 & 3 shall have 1.5" minimum cover unless otherwise shown. Inlet tops shall be either cast-in-place or precast concrete.
4. The reinforcing steel of inlet Tops Types 1, 2, 3, & 4 may be constructed with bricks. Dowels to top slab required.
5. For supplemental details see Index No. 201.
6. Only round concrete support post will be acceptable.
7. These Inlets are to be used with Curb and Gutter Types E, F, or J. Locate outside of pedestrian crosswalk where practical.
8. For structure bottoms see Index No. 200.
9. Inlets to be paid for under the contract unit price for Inlets (Curb) (Type_), Each.

NOTICE: Steel Grates Are Required On Inlets With Traversable Slots And On Inlets where Bicycle Traffic is Anticipated.

GENERAL NOTES

1. These Inlets are suitable for bicycle and pedestrian areas and are to be used in ditches, medians and other areas subject to infrequent traffic loadings but are not to be placed in areas subject to any heavy wheel loads.
2. Inlets subject to minimal debris should be constructed without slots. Where debris is a problem, slots may be constructed in the inlet top. Slots may be constructed in open or clear zones and in areas accessible to pedestrians shall have traversable slots. The traversable slot modification is not adaptable to Inlet Type H. Slots may be constructed at either or both ends as shown on plans.
3. Steel grates are to be used on all Inlets where bicycle traffic is anticipated. Steel grates are to be used on all Inlets with traversable slots. Either cast iron or steel grates may be used on Inlets without slots where bicycle traffic is not anticipated. Either cast iron or steel grates may be used on all Inlets except where otherwise shown. The steel grate option described above, when Alternate G grate is specified in the plans, either the steel grate, hot dipped galvanized after fabrication, or the cast iron grate may be used, unless the plans stipulate the particular type.
4. Recommended maximum pipe sizes shown are for concrete pipe. Pipe sizes larger than those recommended must be checked for fit.
5. All exposed corners and edges of concrete are to be chamfered ½".
6. Pavement to be used on Inlets without slots and Inlets with non-traversable slots only when called for in the plans, but required on all traversable slot Inlets. Cost to be included in contract unit price for Inlets. Quantities shown are for information only.
7. Traversable slots constructed in existing Inlets shall be paid for as Inlets partial, and shall include the cost for slot openings, paving and any required replacement grates.
8. Sodding to be used on all Inlets not located in paved areas and paid for under contract unit price for Sodding SY.
9. For supplementary details see Index No. 201.

306 - TYPE '1, 2, 3 & 4' CURB INLETS N.T.S.

TRANSVERSE SECTIONS FOR INLETS TYPES 1, 2, 3 & 4

FDOT Index no. 210 sheet 1 of 1

G L SUMMITT ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

General Details 3

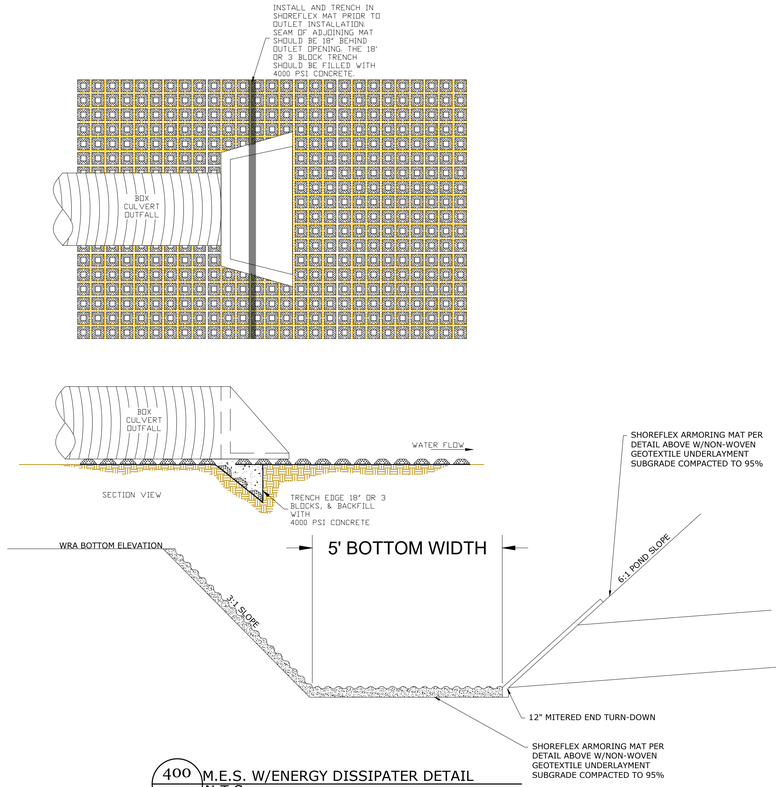
Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

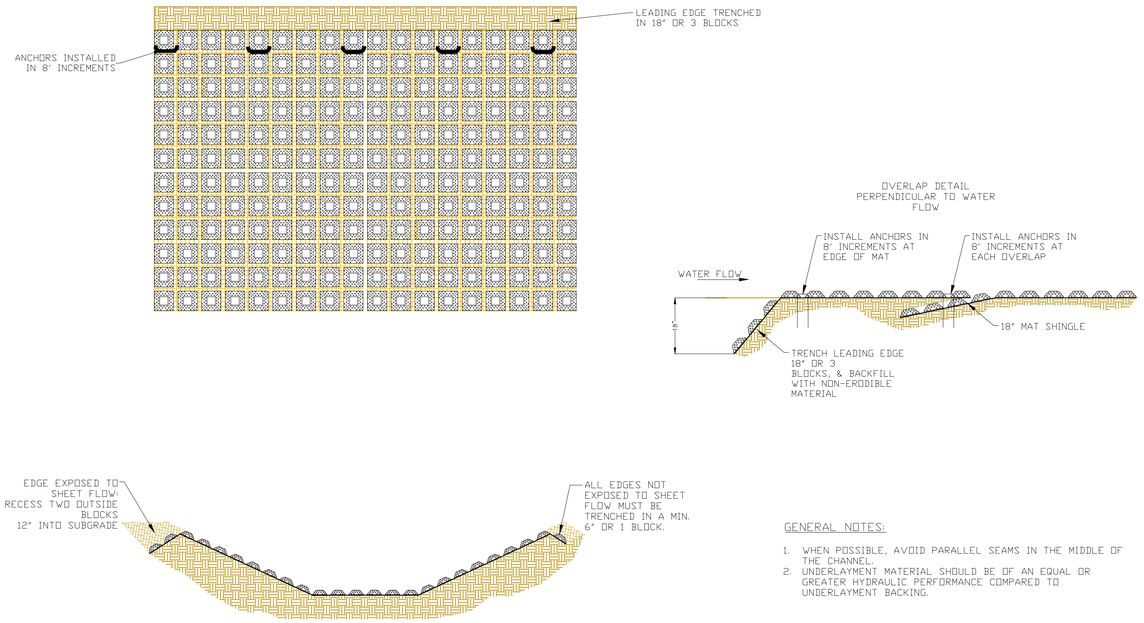
Revisions

NO.	DATE	DESCRIPTION
1	04/05/25	Initial Submittal
2	05/30/25	Revised For Orange County 'E' Permit Comments
3	06/26/25	Revised For St. Johns ERP & Apopka Comments
4	07/29/25	Revised For Apopka Comments
5	08/29/25	Revised For Apopka Comments
6	02/12/26	Revised For Screen Ave. & Graff Ct & Contractor Modifications
7	03/26/26	Revised To Change Lift Station Pump To Grundfos
8	06/30/26	Revised To Adjust The Lot Depths Of Selected Lots To 125' Deep
9	####	
10	####	

SHEET NUMBER
59 OF 61



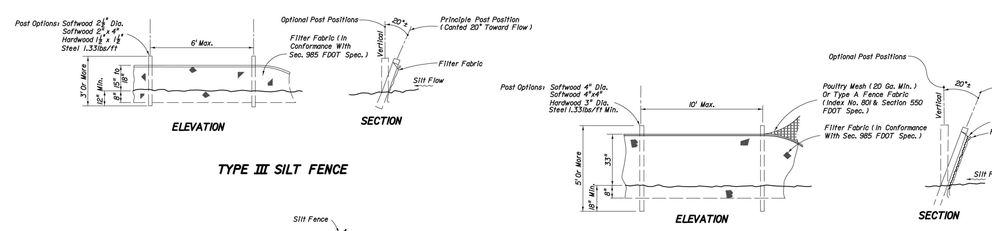
400 - M.E.S. W/ENERGY DISSIPATER DETAIL N.T.S.



GENERAL NOTES:

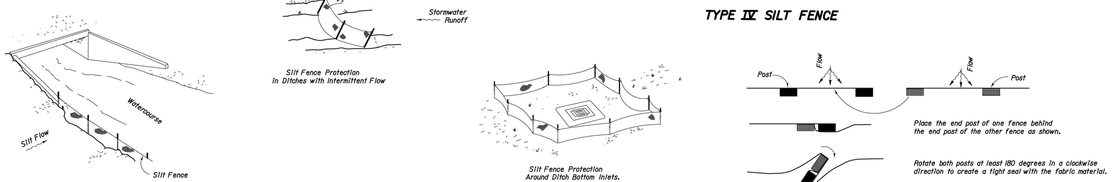
1. WHEN POSSIBLE, AVOID PARALLEL SEAMS IN THE MIDDLE OF THE CHANNEL.
2. UNDERLAYMENT MATERIAL SHOULD BE OF AN EQUAL OR GREATER HYDRAULIC PERFORMANCE COMPARED TO UNDERLAYMENT BACKING.

401 - SHOREFLEX ARMOR PROTECTION DETAIL N.T.S.



TYPE III SILT FENCE

TYPE IV SILT FENCE

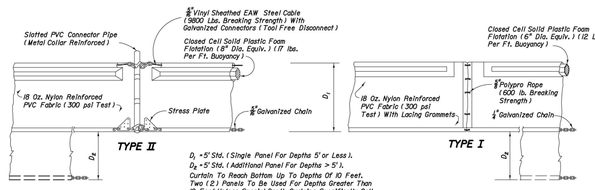


SILT FENCE APPLICATIONS

JOINING TWO SILT FENCES

NOTES FOR SILT FENCES

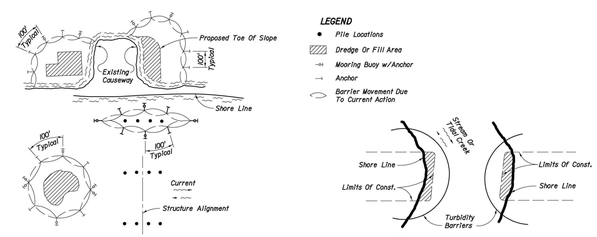
1. Type III Silt Fence to be used at most locations. Where used in ditches, the spacing for Type III Silt fence shall be in accordance with Chart I, Sheet I.
2. Type IV Silt Fence to be used where large sediment loads are anticipated. Suggested use is where fill slope is 1:2 or steeper and length of slope exceeds 25 feet. Avoid use where the detained water may back into travel lanes or off the right of way.
3. Do not construct silt fences across permanent flowing watercourses. Silt fences are to be at upland locations and turbidity barriers used at permanent bodies of water.
4. Where used as slope protection, Silt Fence is to be constructed on 0% longitudinal grade to avoid channelizing runoff along the length of the fence.
5. Silt Fence to be paid for under the contract unit price for Staked Silt Fence, (LF).



D1 = 5' Std. (Single Panel For Depths 5' or Less).
D2 = 5' Std. (Additional Panel For Depths > 5').
Curtain To Reach Bottom Up To Depths Of 10 Feet. Two (2) Panels To Be Used For Depths Greater Than 10 Feet Unless Special Depth Curtains Specifically Call For In The Plans Or As Determined By The Engineer.

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

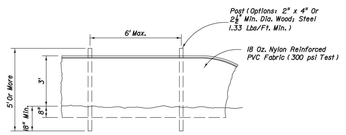
FLOATING TURBIDITY BARRIERS



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

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

TURBIDITY BARRIER APPLICATIONS



STAKED TURBIDITY BARRIER

GENERAL NOTES

1. Floating turbidity barriers are to be paid for under the contract unit price for Floating Turbidity Barrier, LF.
2. Staked turbidity barriers are to be paid for under the contract unit price for Staked Turbidity Barrier, LF.

402 - STANDARD EROSION CONTROL DETAILS

G L SUMMITT ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

General Details 4

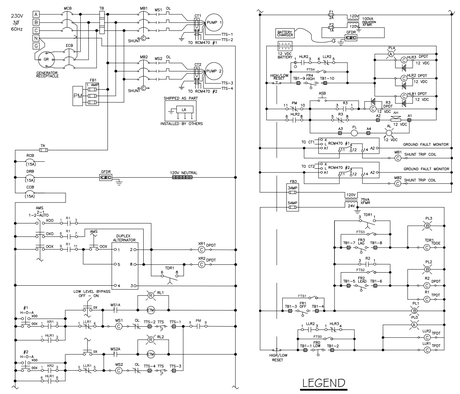
Plans not valid unless Signed, Dated and Sealed below.

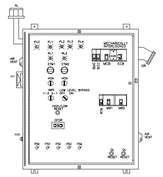
GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/03/23	Initial Submittal
2	05/30/23	Revised For Orange County 'E' Permit Comments
3	06/30/23	Revised For St. Johns ERP & Apopka Comments
4	07/27/23	Revised For Apopka Comments
5	08/29/23	Revised For Apopka Comments
6	02/12/26	Revised Per Lennar Rev. & Utility Coordination
7	03/26/26	Revised To Change Lift Station Pump To Grinderfox
8	06/30/26	Revised To Adjust Pre-Lot Depth Of Selected Lots To 12" Deep
9	####	
10	####	

SHEET NUMBER
60 OF 61





NOTES:
1. OUTER DOOR REMOVED TO SHOW DEPARTMENT LAYOUT. REFER TYPE 'VB' S.S. ENCLOSURE FOR DOOR DETAILS. ENCLOSURE SHALL BE NEMA 4X STAINLESS STEEL. TYPICAL ACTUAL LAYOUT MAY VARY WITH MANUFACTURER.
2. SERIES 3 GLFI PANEL CIRCUIT BREAKERS.
3. GENERATOR OUTLET FOR 120V~, PHASE NATIONAL L14-30R. GENERATOR SHALL BE SIZED FOR 5KW SERVICE (GE CIRCLE WISER MODEL AE 5KW).

LEGEND

AB	= ALARM BELL	MB	= MOTOR BREAKER
APL	= AIR COMPRESSOR FAIL LIGHT	MCP	= MOTOR CIRCUIT PROTECTOR
ACR	= AIR COMPRESSOR RESET	MD	= MOISTURE DETECTOR
ACTB	= AIR COMPRESSOR TERMINAL STRIP	MS	= MOTOR STARTER
AL	= ALARM LIGHT	NC	= NORMALLY CLOSED
BL	= ALARM LIGHT	NO	= NORMALLY OPEN
ALT	= ALTERNATOR	OL	= OVERLOAD
AMS	= ALTERNATOR MODE SWITCH	PB	= PUSH BUTTON
ABB	= ALARM SILENCE BUTTON	PCU	= PUMP CONTROL UNIT
ATS	= ALTERNATOR TEST SWITCH	PFL	= PUMP FAIL LIGHT
CB	= CIRCUIT BREAKER	PT	= PUMP TIMER
CCB	= CONTROL CIRCUIT BREAKER	PL	= PILOT LIGHT
CT	= CURRENT TRANSFORMER	POL	= POWER ON LIGHT
DPDT	= DOUBLE POLE DOUBLE THROW	PR	= PRESSURE RELAY
DPST	= DOUBLE POLE SINGLE THROW	PS	= PRESSURE SWITCH
DR	= DISABLE RELAY	R	= RELAY
DCB	= DISCONNECT CIRCUIT BREAKER	RCB	= REMOTE CIRCUIT BREAKER
DS	= DOOR SWITCH	RL	= RUNNING LIGHT
ECB	= EMERGENCY CIRCUIT BREAKER	RTU	= REMOTE TELEMETRY UNIT
FM	= FLOAT MOUNTED METER	SCR	= SILICON CONTROL RECTIFIER
FU	= FUSE	SDR	= SEVERON DISABLE RELAY
FBL	= FUSE BLOCK	SMC	= SMART MOTOR CONTROLLER
FR	= FUSE RELAY	SOL	= SOLENOID CONTROL
FR	= FLOAT REGULATOR	SW	= SAFETY SWITCH
FS	= FLOAT SWITCH	SSOL	= SOLID-STATE OVERLOAD
GFCI	= GROUND FAULT CIRCUIT	TB	= TERMINAL BLOCK
GFDR	= GROUND FAULT OUTLET RECEPTACLE	TB	= TERMINAL BLOCK
GND	= EARTH GROUND	TD	= TIME DELAY
GFP	= GROUND FAULT PROTECTOR	TDDE	= TIME DELAY ON DE-ENERGIZE
HA	= HORNS/LIGHTS ALARM	TDDO	= TIME DELAY ON ENERGIZE
HLR	= HIGH LEVEL RESET	TDR	= TIME DELAY RELAY
HOA	= HAND/OFF/AUTO SELECTOR SWITCH	TL	= TROUBLE LIGHT
HOAR	= HAND/OFF/AUTO SELECTOR RELAY	TS	= TROUBLE SWITCH
LA	= LIGHTNING ARRESTOR	TPDT	= TRIPLE POLE, DOUBLE THROW
LLR	= LOW LEVEL RESET	TTB	= TERMINAL TERMINAL STRIP
LTB	= LAMP TEST BUTTON	XFMR	= TRANSFORMER

TB2
LOW LEVEL
PUMP 1 RUN
PUMP 2 RUN
HIGH LEVEL

DUPLEX PUMP CONTROL PANEL GENERAL LAYOUT + SCHEMATIC

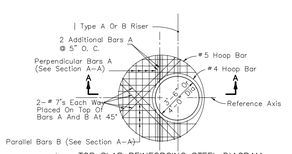
(230V-3PH)

WITH GENERATOR RECEPTACLE

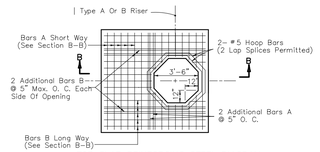
CITY OF APOPKA DESIGN ENGINEERING DIVISION	JANUARY 2014	FIG. 305 A

500 - DUPLEX PUMP CONTROL PANEL LAYOUT N.T.S.

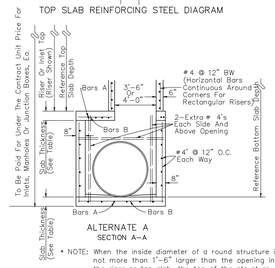
501 - FDOT SIDEWALK CURB RAMPS N.T.S.



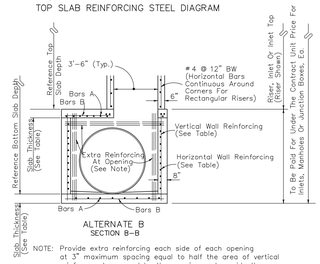
TOP SLAB REINFORCING STEEL DIAGRAM



TOP SLAB REINFORCING STEEL DIAGRAM

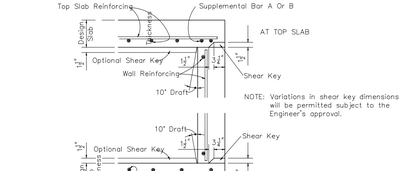


ALTERNATE A
SECTION A-A

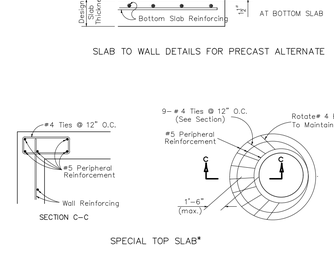


ALTERNATE B
SECTION B-B

* NOTE: When the inside diameter of a round structure is not more than 1'-6" larger than the opening in the riser or top slab, the top of the structure or riser shall be constructed according to the "Special Top Slab" details on this sheet.



SLAB TO WALL DETAILS FOR PRECAST ALTERNATE



SECTION C-C

SPECIAL TOP SLAB*

* NOTE: Provide extra reinforcing each side of each opening at 3" maximum spacing equal to half the area of vertical reinforcement removed by the opening and provide the same area of reinforcement above each opening at 3" maximum spacing as removed by the opening.

GENERAL NOTES

1. Standard structure bottoms 4'-0" diameter and smaller (Alt. A) and 6'-0" square (Alt. B) are designated Type P. Larger standard structure bottoms are designated Type J. Risers are permitted for all structures.
2. Walls of circular structures (Alternate A) constructed in place may be of non-reinforced concrete or brick or reinforced concrete. Precast and rectangular structures (Alternate B) shall be constructed of reinforced concrete only.
3. Wall thickness and reinforcement are for either reinforced cast-in-place or precast concrete units except that precast circular units may be furnished with walls in accordance with either A.S.T.M. C-478 (up to 96" diameter) or A.S.T.M. C-76, Class ~~~, B Wall, modified where the elliptical steel area is placed in the center one-third of the wall.
4. Top and floor slab thickness and reinforcement are for precast and cast in place construction. Top and floor slabs shall be of Class ~~~ concrete. Concrete as specified in A.S.T.M. C-478 (4000 psi) may be used in lieu of Class ~ and Class ~~ concrete in precast items manufactured in plants which are under the "Standard Operating Procedures" for the Inspection of precast drainage products.
5. All reinforcement shall be A.S.T.M. A615, Grade 60 or 65 KSI welded wire fabric, either smooth or deformed.
6. All steel bars shall have 1" minimum cover unless otherwise shown. Horizontal steel in rectangular structures shall be lapped a minimum of 24 bar diameters at corners.
7. Rectangular structures may be rotated as directed by the Engineer in order to facilitate connections between the structure walls and storm sewer pipes.
8. Except when ACI hooks are specifically required, embedment hooks in the top and bottom slabs may be replaced with straight embedments or perpendicular reinforcement in accordance with the reinforcement detail shown under "Rebar Straight End Embedment Or Peripheral Reinforcement In Lieu of ACI Standard Hooks For Top And Bottom Slabs", Index No. 201, Sheet 3 of 6.
9. Structure bottoms may be used in conjunction with curb inlet tops Types 1, 2, 3, 4, 5, 6, 9, and 10, and any manhole or junction box unless otherwise shown in the plans or other standard drawings. Alt. B structure bottoms may be used in conjunction with curb inlet Types 7 & 8, or any ditch bottom inlet unless otherwise shown in the plans or other standard drawings.
10. The corner fillets shown are necessary for rectangular structures used with circular risers and inlet throats and used on skew with rectangular risers, inlet and inlet throats. Fillets will be required in lieu of the bottom slab of the Alt. B riser when used with the Alt. A box. Each fillet shall be reinforced with#2- 5 bars.
11. Inlet throats, riser or manhole tops shall be secured to structures as shown on Index No. 201.
12. Structures with depths over 14' are to be checked for floatation by designer of project drainage.

Units larger than specified standard may be substituted at the contractor's option when these units will not cause or increase the severity of utility conflicts. Such larger units shall be furnished at no additional cost to the Department. Larger Alternate A units cannot replace Alternate B units without approval of the Engineer. This note applies to this Index only.

For manhole and junction box tops, for frames and covers, and, for supplementary details see Index No. 201.

SLAB DESIGNS – SQUARE AND RECTANGULAR STRUCTURES

(ALL SLABS 8" THICK – REINFORCING PARALLEL TO SHORT WAY AND LONG WAY)

SHORT–WAY SLAB DEPTH	SHORT–WAY SCHEDULE	LONG–WAY SLAB DEPTH	LONG–WAY SCHEDULE
SIZE: 3'–6"/UNLIMITED			
≥0.5'< 29'	B	≥0.5'–40'	B
29'–40'	C		
SIZE: 4'–0"/UNLIMITED			
≥0.5'< 19'	B	≥0.5'< 34'	B
19'< 29'	C	34'–40'	C
29'–40'	D		
SIZE: 5'15'			
≥0.5'< 3'	C	≥0.5'< 3'	C
3'< 19'	B	3'< 19'	B
19'< 28'	C	19'< 28'	C
28'< 38'	D	28'< 38'	D
38'–40'	F	38'–40'	F
SIZE: 5'16'			
≥0.5'< 3'	C	≥0.5'< 3'	C
3'< 14'	B	3'< 22'	B
14'< 21'	C	22'< 33'	C
21'< 39'	D	33'–40'	D
39'–40'	F		
SIZE: 5'18'			
≥0.5'< 3'	C	≥0.5'< 39'	B
3'< 8'	B	39'–40'	C
8'< 17'	C		
17'< 23'	D		
23'–40'	F		
SIZE: 5'19'			
≥0.5'< 3'	C	≥0.5'< 32'	B
3'< 8'	B	32'–40'	C
8'< 17'	C		
17'< 23'	D		
23'–40'	F		

SHORT–WAY SLAB DEPTH	SHORT–WAY SCHEDULE	LONG–WAY SLAB DEPTH	LONG–WAY SCHEDULE
SIZE: 6'16'			
≥0.5'< 3'	D	≥0.5'< 3'	D
3'< 4'	C	3'< 4'	C
4'< 14'	B	4'< 14'	B
14'< 21'	C	14'< 21'	C
21'< 28'	D	21'< 28'	D
28'–40'	F	28'–40'	F
SIZE: 6'17'			
≥0.5'< 3'	D	≥0.5'< 3'	D
3'< 4'	C	3'< 4'	C
4'< 12'	B	4'< 15'	B
12'< 19'	C	15'< 21'	C
19'< 26'	D	21'< 30'	D
26'–40'	F	30'–40'	F
SIZE: 6'18'			
≥0.5'< 3'	D	≥0.5'< 3'	D
3'< 4'	C	3'< 4'	C
4'< 7'	B	4'< 16'	B
7'< 16'	C	16'< 23'	C
16'< 23'	D	23'< 32'	D
23'–40'	F	32'–40'	F
SIZE: 6'19'			
≥0.5'< 3'	D	≥0.5'< 3'	D
3'< 15'	C	3'< 4'	C
15'< 21'	D	4'< 18'	B
21'< 27'	E	18'< 27'	C
27'–40'	G	27'< 37'	D
		37'–40'	E
SIZE: 7'17'			
≥0.5'< 3'	E	≥0.5'< 3'	E
3'< 4'	B	3'< 4'	D
4'< 15'	C	4'< 17'	C
15'< 21'	D	17'< 23'	D
21'< 27'	E	23'< 29'	E
27'–40'	G	29'–40'	G
SIZE: 7'18'			
≥0.5'< 3'	E	≥0.5'< 3'	E
3'< 4'	B	3'< 4'	D
4'< 15'	C	4'< 17'	C
15'< 21'	D	17'< 23'	D
21'< 27'	E	23'< 29'	E
27'–40'	G	29'–40'	G
SIZE: 7'19'			
≥0.5'< 3'	E	≥0.5'< 3'	E
3'< 4'	D	3'< 4'	D
4'< 12'	C	4'< 18'	C
12'< 18'	D	18'< 24'	D
18'< 24'	E	24'< 32'	E
24'–40'	G	32'–40'	G

SHORT–WAY SLAB DEPTH	SHORT–WAY SCHEDULE	LONG–WAY SLAB DEPTH	LONG–WAY SCHEDULE
SIZE: 8'18'			
≥ 0.5'< 3'	D	≥ 0.5'< 3'	D
3'< 4'	C	3'< 4'	C
4'< 9'	B	4'< 9'	B
9'< 17'	C	9'< 17'	C
17'< 31'	D	17'< 31'	D
31'–40'	G	31'–40'	G
SIZE: 8'19'			
≥ 0.5'< 3'	D	≥ 0.5'< 3'	E
3'< 4'	C	3'< 4'	D
4'< 16'	B	4'< 18'	C
16'< 22'	C	18'< 25'	D
22'< 29'	D	25'< 32'	F
29'–40'	F	32'–40'	G
SIZE: 9'19'			
≥ 0.5'< 3'	F	≥ 0.5'< 3'	F
3'< 14'	C	3'< 14'	C
14'< 20'	D	14'< 20'	D
20'< 26'	E	20'< 26'	E
26'–40'	G	26'–40'	G

WALL DESIGNS – RECTANGULAR STRUCTURES

VERTICAL REINFORCING WALL DEPTH	VERTICAL REINFORCING SCHEDULE	HORIZONTAL REINFORCING WALL DEPTH	HORIZONTAL REINFORCING SCHEDULE
SIZE: 3'–6"			
≥1.17'–40'	A	≥1.17'–40'	B
SIZE: 4'–0"			
≥1.17'–40'	A	≥1.17'–40'	B
SIZE: 5'–0"			
≥1.17'–40'	A	≥1.17'< 33'	B
		33'–40'	C
SIZE: 6'–0"			
≥1.17'–40'	A	≥1.17'< 22'	B
		22'–40'	C
SIZE: 7'–0"			
≥1.17'–40'	A	≥1.17'< 15'	B
		15'< 25'	C
		25'–40'	D
SIZE: 8'–0"			
≥1.17'–40'	A	≥1.17'< 11'	B
		11'< 19'	C
		19'< 29'	D
		29'–40'	F
SIZE: 9'–0"			
≥1.17'–40'	A	≥1.17'< 15'	C
		15'< 22'	D
		22'–40'	F

SLAB DESIGNS – ROUND STRUCTURES

SLAB DEPTH	SLAB THICKNESS	REINFORCING (2 WAYS) SCHEDULE
SIZE: 3'–6"		
≥0.5'–40'	8"	C
SIZE: 4'–0"		
≥0.5'–40'	8"	C
SIZE: 5'–0"		
≥0.5'< 30'	8"	C
30'–40'	8"	D
SIZE: 6'–0"		
≥0.5'< 8'	8"	B
8'< 18'	8"	C
18'< 30'	8"	D
30'< 37'	8"	E
37'–40'	8"	G
SIZE: 8'–0"		
≥0.5'< 9'	10"	C
9'< 15'	10"	D
15'< 23'	10"	E
23'< 33'	10"	G
33'–40'	12"	G
SIZE: 10'–0"		
≥0.5'< 6'	10"	C
6'< 11'	10"	D
11'< 17'	10"	E
17'< 23'	12"	E
23'–40'	12"	G
SIZE: 12'–0"		
≥0.5'< 6'	12"	C
6'< 11'	12"	D
11'< 16'	12"	E
16'< 20'	14"	E
20'–40'	14"	G

GENERAL NOTES

1. Slab reinforcement is appropriate for top, intermediate, and bottom slabs.
2. Slab depth is measured from finished grade to top of slab.
3. Wall design depth is measured to the top of the bottom slab for boxes and to the top of the intermediate slab for risers.
4. Wall height is the distance between top of lower slab to bottom of upper slab.

REINFORCING SCHEDULE

SCHEDULE	GRADE 60 STEEL OR 65 KSI (WIRE FABRIC) in ²/ft
A	0.20
B	0.24
C	0.37
D	0.53
E	0.73
F	1.06
G	1.45

502 - STRUCTURE BOTTOMS TYPE J AND P N.T.S.

G L SUMMITT ENGINEERING INC
Office: Lake Mary
3667 Simonton Place
Lake Mary, Florida 32746
phone: 407-323-0705
fax: 407-992-8650
www.GLSeng.com

Lennar Homes, LLC
6675 Westwood Blvd.
Orlando, FL 32821

Ridgebrooke Subdivision
City of Apopka, Florida

Construction Site Plan

General Details 5

Plans not valid unless Signed, Dated and Sealed below.

GEOFFREY L. SUMMITT, P.E.
Date: June 30, 2026
FL Registration #58775
Certificate of Authorization #29665

Revisions

NO.	DATE	DESCRIPTION
1	04/05/2023	Initial Submittal
2	05/30/2023	Revised For Orange County 'E' Permit Comments
3	06/26/2023	Revised For St. Johns ERP & Apopka Comments
4	07/27/2023	Revised For Apopka Comments
5	08/24/2023	Revised For Apopka Comments
6	02/12/2026	Revised Per Lennar Rev. 8, Civil/U.D. & Contractor Modifications
7	03/26/2026	Revised To Change Lift Station Pump To Grundfos
8	06/30/2026	Revised To Adjust Pre Lot Depth Of Selected Lots To 12" Deep
9	####	
10	####	

SHEET NUMBER
61 OF 61