PINE TREE WATER CONTROL DISTRICT

AUGUST 14, 2025

AGENDA PACKAGE

Pine Tree Water Control District

Board of Supervisors

Paul Brewer, President Bob Mayersohn, Vice President John Benckenstein, Assistant Secretary Neil Kanterman, Assistant Secretary Gary Rito, Assistant Secretary Sandra Demarco, District Manager Brian Sherman, District Counsel Warren R. Craven, District Engineer Shawn Frankenhauser, Field Manager

Meeting Agenda

Thursday, August 14, 2025 at 6:00 p.m.

- 1. Roll Call
- 2. Approval of Agenda
- 3. Audience Comments
- 4. Approval of Minutes of the May 8, 2025 Meeting
- 5. Organizational Matters
 - A. Acceptance of John Benckenstein Resignation (Seat #5)
- 6. Public Hearings to Consider Adoption of the Fiscal Year 2026 Budget
 - A. Consideration of Resolution 2025-04, Adopting the Budget for Fiscal Year 2026
 - B. Consideration of Resolution 2025-05, Levying Non-Ad Valorem Assessments
- 7. District Manager's Report
 - A. Consideration of Resolution 2025-06, Adopting Fiscal Year 2026 Meeting Schedule
 - B. Consideration of Resolution 2025-07, Declaring Certain Tangible Personal Property Surplus Equipment
 - C. Herbicide 2025-2026 Price Agreements
 - D. Information on the Number of Registered Voters 9,693
- 8. Engineer's Report
 - A. Permit Number 2025-02 Installation of Conduit at NW 61st Terrace AT&T Fiber Optic Project
 - B. Guardrail Plans for PTE Roadways and Guardrail Permit
- 9. Supervisors' Requests
- 10. Approval of Financial Reports Dated and Check Registers Dated June 2025
- 11. Adjournment

*Next Meeting is scheduled for Thursday, September 11, 2025 at 6:00 p.m.

Fourth Order of Business

MINUTES OF MEETING PINE TREE WATER CONTROL DISTRICT

A meeting of the Board of Supervisors of the Pine Tree Water Control District was held on Thursday, May 8, 2025 at 6:00 p.m. at Parkland City Hall, 6600 University Drive, Parkland, Florida.

Present and constituting a quorum were:

Paul BrewerPresidentBob MayersohnVice PresidentJohn BenckensteinAssistant SecretaryNeil KantermanAssistant SecretaryGary RitoAssistant Secretary

Also present were:

Ken CasselDistrict ManagerBrian ShermanDistrict CounselWarren CravenDistrict EngineerShawn FrankenhauserField Manager

The following is a summary of the discussions and actions taken.

FIRST ORDER OF BUSINESS

Roll Call

Mr. Cassel called the meeting to order and called the roll. A quorum was established.

SECOND ORDER OF BUSINESS

Approval of Agenda

On MOTION by Mr. Mayersohn seconded by Mr. Benckenstein with all in favor, the agenda was approved. 5-0

THIRD ORDER OF BUSINESS

Audience Comments

There being no comments, the next item followed.

FOURTH ORDER OF BUSINESS

Approval of Minutes of the February 13, 2025 Meeting

On MOTION by Mr. Mayersohn seconded by Mr. Kanterman with all in favor, the minutes of the February 13, 2025 meeting were approved as presented. 5-0

FIFTH ORDER OF BUSINESS

Presentation of the Proposed Fiscal Year 2026 Budget

A. Consideration of Resolution 2025-03, Approving the Budget and Setting a Public Hearing

Mr. Cassel reviewed the proposed budget and the following was discussed:

- \$40,000 was added for a new truck, using part of the fund balance to keep assessments at the same rate as the current fiscal year.
- Board discussion ensued.
- Mr. Cassel noted even though the truck will be paid with the Fiscal Year 2026 budget, staff will request the truck be ordered now due to delays in production and obtaining a truck. If the truck is ready earlier than expected, they can either delay delivery or use part of the current year fund balance to pay for the truck.
- Mr. Cassel explained the hurricane reserve fund. This is due to the delay in getting funding from FEMA after Hurricane Wilma.
- Mr. Cassel noted the Board will approve the high-water mark. They can consider lowering the assessments at the budget public hearing by using more of the fund balance, but they cannot increase it.
- There was Board consensus to approve the budget as presented and give the District
 Manager direction on bringing this back to the next meeting for discussion on
 lowering the assessments.
- Mr. Brewer and Mr. Craven noted if the Board lowers assessments this year, but have to increase it the following year, the public may not agree. The last time the assessments were raised, the public was not happy.
- The suggestion was made to take half of the net change in fund balance and use half of that toward the hurricane reserves.

On MOTION by Mr. Mayersohn seconded by Mr. Benckenstein with all in favor, Resolution 2025-03, Approving the Budget setting the assessments at \$308.60 with half of the net change in fund balance to be added to the hurricane reserves under allocation of fund balance, and Setting a Public Hearing for Thursday, August 14, 2025 at 6:00 p.m. at Parkland City Hall, 6600 University Drive, Parkland, Florida was adopted. 5-0

SIXTH ORDER OF BUSINESS

District Manager's Report

A. Acceptance of Grau & Associates Fiscal Year 2024 Audit Report

Mr. Cassel reviewed the audit and noted it was a clean audit.

On MOTION by Mr. Benckenstein seconded by Mr. Mayersohn with all in favor, Grau & Associates Fiscal Year 2024 Audit Report was accepted. 5-0

Mr. Cassel confirmed there was Board consensus to order the truck now.

SEVENTH ORDER OF BUSINESS

Attorney's Report

A. Discussion of Memorandum Requesting an Increase in the Hourly Rate for Legal Services

Mr. Sherman requested a rate increase from \$225 per hour to \$300 per hour. This would become effective October 1, 2025. He also noted it has been five years since the firm requested an increase. It is basically a market adjustment.

On MOTION by Mr. Benckenstein seconded by Mr. Kanterman with Mr. Benckenstein, Mr. Kanterman, Mr. Mayersohn and Mr. Rito voting aye, and Mr. Brewer voting nay, the increase in hourly rate for legal services was approved. 4-1

EIGHTH ORDER OF BUSINESS

Engineer's Report

A. Consideration of Permit 2025-01 for Canal Restoration at 5747 NW 63rd Way

Mr. Craven reviewed his report, a copy of which is attached hereto, and made a part of the public record.

On MOTION by Mr. Benckenstein seconded by Mr. Mayersohn with all in favor, Permit 2025-01 was approved contingent upon a 10-year warranty bond be provided. 5-0

Mr. Brewer asked about the status of the maintenance map. Mr. Craven responded,
Ms. Demarco is trying to schedule a meeting between the attorneys, the previous
District Manager, the current District Manager and himself. The Board requested Ms.
Demarco send a memorandum updating the Board on the status if they do not have
a meeting in June.

Mr. Cassel reviewed proposals from ATL for work on the retainage area and exotic
tree removal at the end of NW 80th Terrace. This work can be done for \$80,000, which
is less than the original expected cost of \$100,000. Mr. Craven noted if both projects
are done at the same time, the cost would be lowered to \$75,000. This needs to be
done while the weather is still dry.

On MOTION by Mr. Mayersohn seconded by Mr. Rito with all in favor, the proposals from ATL for work at NW 80th Terrace were approved.

NINTH ORDER OF BUSINESS

Supervisors' Requests

A. Proposals for District Emails (Supervisor Mayersohn)

Mr. Cassel reviewed the proposals and recommended Complete IT. There is an initial setup fee of \$450 and a monthly cost of \$101.70.

On MOTION by Mr. Mayersohn seconded by Mr. Benckenstein with all in favor, the proposal from Complete IT was approved.

There was consensus to have the email addresses be the seat#@pinetreewcd.com.

TENTH ORDER OF BUSINESS

Approval of Financials Dated March 2025 and Check Registers

The Board reviewed the financials.

On MOTION by Mr. Mayersohn seconded by Mr. Kanterman with all in favor, the financials and check registers for March 2025 were approved.

ELEVENTH ORDER OF BUSINESS

Adjournment

There being no further business,

On MOTION by Mr. Benckenstein seconded by Mr. Mayersohn with all in favor, the meeting was adjourned at 7:03 p.m.

	<u></u>	
Secretary/Assistant Secretary	Paul Brewer	
	President	

Fifth Order of Business

5A

From: John Benckenstein <benck@bellsouth.net>

Sent: Monday, June 23, 2025 11:17 AM

To: Baker, Kareen <kareen.baker@inframark.com> **Cc:** Demarco, Sandra <sandra.demarco@inframark.com>

Subject: Re: Pine Tree Water Control District - Board of Supervisors Meeting - June 12, 2025 Has Been

Cancelled

Good morning,

Effective immediately I am resigning from my position on the PTWCD board of directors. Please advise if additional steps need to be taken to make this effective.

Regards, John Benckenstein 954-682-3030

Sixth Order of Business

PINE TREE

Water Control District

Annual Operating Budget Fiscal Year 2026

Modified Tentative Budget August 14, 2025 Meeting

Prepared by:



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PINE TREE

Water Control District

Operating Budget

Fiscal Year 2026

Summary of Revenues, Expenditures and Changes in Fund Balances

General Fund Fiscal Year 2026 Budget

	ADOPTED	ACTUAL	PROJECTED	TOTAL	ANNUAL	
	BUDGET	THRU	JUL-	PROJECTED	BUDGET	
ACCOUNT DESCRIPTION	FY 2025	6/30/2025	9/30/2025	FY 2025	FY 2026	
REVENUES						
Interest - Investments	\$ 16,000	\$ 73,406	\$ 30,586	\$ 103,992	\$ 30,000	
Other Licenses, Fees & Permits	100	-	100	100	100	
Interest - Tax Collector	-	1,527	1,832	3,359	1,000	
Special Assmnts- Tax Collector	654,339	633,660	20,679	654,339	654,346	
Special Assmnts- Delinquent	-	-	-	-	-	
Special Assmnts- Discounts	(26,174)	(22,675)	-	(22,675)	(26,174)	
Other Miscellaneous Revenues	-	3,250	-	3,250		
	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	
TOTAL REVENUES	644,265	689,168	53,197	742,365	659,272	
EXPENDITURES						
Administrative						
P/R-Board of Supervisors	3,500	1,900	1,600	3,500	3,500	
Payroll-Contract Personnel	15,415	2,700	12,715	15,415	15,878	
FICA Taxes	268	145	123	268	268	
ProfServ-Engineering	50,000	14,613	35,387	50,000	50,000	
ProfServ-Legal Services	15,452	5,491	9,961	15,452	20,000	
ProfServ-Mgmt Consulting Serv	44,870	33,653	11,217	44,870	46,440	
Auditing Services	4,300	3,400	900	4,300	3,500	
Postage and Freight	300	78	222	300	300	
Printing and Binding	1,200	258	942	1,200	1,200	
Legal Advertising	2,000	158	1,842	2,000	2,000	
Misc-Assessmnt Collection Cost	13,087	12,226	861	13,087	13,087	
Misc-Contingency	2,000	503	1,497	2,000	2,000	
Misc-Web Hosting	5,000	2,104	2,896	5,000	2,800	
Office Supplies	600	-	600	600	600	
	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	
	-	-	-	-	-	
	_			. <u> </u>		
Total Administrative	157,992	77,229	80,763	157,992	161,573	

	ADOPTED BUDGET	ACTUAL THRU	PROJECTED JUL-	TOTAL PROJECTED	ANNUAL BUDGET
ACCOUNT DESCRIPTION	FY 2025	6/30/2025	9/30/2025	FY 2025	FY 2026
Field					
Payroll-Hourly	101,562	70,259	31,303	101,562	104608
Payroll-Contract Personnel	40,482	26,983	13,499	40,482	41,696
Payroll - Special Pay	325	-	325	325	325
FICA Taxes	7,794	5,360	2,434	7,794	7,794
Pension Benefits	11,172	5,589	5,583	11,172	11,508
Life and Health Insurance	30,096	17,234	12,862	30,096	34,610
Workers' Compensation	6,568	7,821	_	7,821	7,225
Contracts-Culvert Inspection	15,000	12,500	2,500	15,000	12,500
Contracts-Ditch Bank	15,000	-	15,000	15,000	15,000
Communication - Teleph - Field	200	-	200	200	200
Utility - Recharge Water	3,500	_	3,500	3,500	3,500
Rentals - General	9,350	7,221	2,129	9,350	9,350
Insurance - General Liability	13,425	13,120	305	13,425	15,439
R&M-General	15,000	5,720	9,280	15,000	15,000
R&M-Aquatic Weed Control	55,000	42,482	12,518	55,000	60,500
R&M-Canal Bank Restoration	100,000	-	100,000	100,000	100,000
R&M-Culvert Cleaning	30,000	_	30,000	30,000	75,000
Misc-Licenses & Permits	900	_	900	900	900
Misc-Contingency	14,444	1,262	13,182	14,444	14,444
Op Supplies - General	1,560	545	1,015	1,560	1,560
Op Supplies - Uniforms	720	361	359	720	720
Op Supplies - Fuel, Oil	5,000	2,710	2,290	5,000	5,000
Cap Outlay - Vehicles	9,000	2,7.10	9,000	9,000	49,000
Cup Cullay Vollidies	-	_	-	-	
	_	_	_	_	_
	_	_	_	_	_
	_	_	_	_	_
	-	-	-	-	-
Total Field	486,098	219,167	268,184	487,351	585,879
TOTAL EXPENDITURES	644,090	296,396	348,947	645,342	747,452
	,			,	,
Excess (deficiency) of revenues					
Over (under) expenditures	175	392,597	(295,750)	97,023	(88,180)
Net change in fund balance	175	392,597	(295,750)	97,023	(88,180)
FUND BALANCE, BEGINNING	2,318,645	2,318,645	-	2,318,645	2,415,668
FUND BALANCE, ENDING	\$ 2,318,820	\$ 2,711,242	\$ (295,750)	\$ 2,415,668	\$ 2,327,488

Water Control District General Fund

Allocation of Fund Balances

AVAILABLE FUNDS

Total Funds Available (Estimated) - 9/30/2026	2,327,488
Reserves - Fiscal Year Upcoming Additions	-
Net Change in Fund Balance - Fiscal Year 2026	(88,180)
Beginning Fund Balance - Fiscal Year 2026	\$ 2,415,668
	<u>Amount</u>

ALLOCATION OF AVAILABLE FUNDS

Assigned Fund Balance

Total Allocation of Available Funds		1,774,867	
	Subtotal	1,774,867	
Reserves - Infrastructure* (Prior Years)		121,004	
Reserves - Hurricane (Prior Years)		1,400,000	
Reserves - Equipment (Prior Years)		67,000	
Operating Reserve - First Quarter Operating Capital		186,863	

Total Unassigned (undesignated) Cash	\$ 552,621

Notes

- (1) Represents approximately 3 months of operating expenditures
- (2) Represents reserves from prior years
- * Infrastructure includes headwall repairs, bank restoration, culvert replacement/repair, control structures
- * Represents reserves for Current Budget Year

PINE TREE

Water Control District

Supporting Budget Schedule

Fiscal Year 2026

Water Control District General Fund

Comparison of Assessment Rates Fiscal Year 2026 vs. Fiscal Year 2025

	FY 2026	FY 2025			
Net Tax Levy Add: Discounts/Collections at 6% Use of FB	\$ 628,172.00 26,174.00	\$ 615,078.10 39,261.00		\$	%
Total Tax Levy	\$ 654,346.00	\$ 654,339.10	С	hange	Change
Taxable Units	2,120.35	2,120.35			
Taxable Units	2,120.33	2,120.33			
Assessment Per Unit	\$ 308.60	\$ 308.60	\$	0.00	0.00%

Assessment Trend Analysis - General Fund								
۱.	V 2026	F	Y 2025	F	V 2024	FY 2023	F	Y 2022
Ι'	1 2020	٠	1 2025	٠	1 2024	1 1 2023	٠	1 2022
\$	308.60	\$	308.60	\$	308.60	\$ 308.60	\$	308.60
l								

6A

RESOLUTION 2025-04

A RESOLUTION ADOPTING THE FINAL BUDGET OF THE PINE TREE WATER CONTROL DISTRICT FOR FISCAL YEAR 2026; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; PROVIDING FOR AN EFFECTIVE DATE.

Whereas, the District Manager has heretofore prepared and submitted to the Board, for approval, the District's proposed Water Management Budget for the ensuing fiscal year; and

WHEREAS, a public hearing has been held on this 14th day of August 2025, at which members of the general public were accorded the opportunity to speak prior to the adoption of the final budget;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF THE PINE TREE WATER CONTROL DISTRICT;

- 1. The Water Management Budget heretofore submitted to and approved by the Board is hereby adopted as the final Water Management Budget of the District for Fiscal Year 2026.
- 2. A verified copy of said final Water Management Budget shall be attached as an exhibit to this Resolution in the District's "Official Record of Proceedings."

Adopted this 14th day of August 2025.

Paul Brewer, President

Sandra Demarco, Assistant Secretary

6B

RESOLUTION 2025-05

A RESOLUTION OF THE BOARD OF SUPERVISORS OF THE PINE TREE WATER CONTROL DISTRICT LEVYING A MAINTENANCE ASSESSMENT WITHIN THE PINE TREE WATER CONTROL DISTRICT FOR PAYMENT OF MAINTENANCE EXPENSES FOR ITS WATER MANAGEMENT SYSTEM PERIOD OCTOBER 1, 2025 THROUGH SEPTEMBER 30, 2026; PROVIDING FOR AN APPEAL PROCEDURE; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, construction of certain improvements within the Pine Tree Water Control District, have been completed in substantial accordance with the Plan of Reclamation of the District and said improvements will be operating and costs of operation, repairs and maintenance will be incurred; and

WHEREAS, the Board of Supervisors of the Pine Tree Water Control District finds the costs for operation, repairs, and maintenance of the District during 2026 will amount to \$\sum_\$ and WHEREAS, the Board of Supervisors of the Pine Tree Water Control District finds there are _____ assessable units within the District, which are responsible for the aforesaid costs of operation, repairs and maintenance, per the attached certification from the Broward County Property Appraiser identified as Exhibit "A".

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF THE PINE TREE WATER CONTROL DISTRICT, BROWARD COUNTY, FLORIDA:

Section 1. The Board hereby determines that the operation, repairs and maintenance of the aforereferenced improvements do not result from original construction as defined in Section 6(3) of Chapter 85-391 Laws of Florida but rather is for the operation, repairs and maintenance of the other water management and control improvements owned by the District and as such the Chief Engineer for the District has advised that the apportionment of said maintenance assessment should be assessed equally on all lands within the District since the benefits received from the District's improvements do accrue equally to the lands located within the District.

1

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Section 2. The Board hereby finds and determines that each unit located within the District is specially benefited by the maintenance assessment.

Section 3. Any unit owner who believes the assessment is incorrect may, subject to the limitations set forth in this Section, submit an adjustment request to the Board.

Section 4. The adjustment request shall be in writing and shall set forth, in detail, the grounds upon which the correction is sought.

Section 5. The adjustment request must be made in writing within sixty (60) days after receipt by the unit owner of his or her tax bill containing the assessment. The adjustment request will be reviewed by the Board within a four-month period from the date of filing of the adjustment request. Consideration by the Board of the unit owner's request for adjustment shall not relieve the owner of the obligation to make timely payment of the assessment. In the event an adjustment is granted by the Board which decreases the assessment, the unit owner shall be entitled to a refund of the excess assessments paid. The refund shall be mailed by the Broward County Tax Collector (the "Tax Collector") unless the Tax Collector and the District agree otherwise.

Section 6. The unit owner requesting the adjustment may be required, at his or her own cost, to provide supplemental information to the Board including, but not limited to, survey data certified by a professional land surveyor and/or engineering reports approved by a professional engineer and acceptable to the Board. Failure to provide such information may result in the denial of the adjustment request.

Section 7. The adjustment to the assessment will be made upon the granting of the adjustment request, in writing, by the Board. The document granting the adjustment request will be provided to the owner and will also be sent to the Tax Collector. A denial of an adjustment request shall be made in writing by the Board, a copy of which shall be provided to the unit owner.

Section 8. That the collection and enforcement of the aforesaid assessments shall be at the same time and in like manner as Broward County taxes.

Section 9. That the said maintenance assessment levy and the lists of lands included in the District are hereby certified to the Broward County Property Appraiser and said assessments shall be extended by the County Property Appraiser on the County Tax Roll and shall be collected by the Broward County Tax Collector. The proceeds therefrom shall be paid to the Pine Tree Water Control District.

BE IT FURTHER RESOLVED that a copy of this Resolution be transmitted to the proper public officials so that its purpose and effect may be carried out in accordance with law.

2

{00380798.1 1991-8402191}

PASSED AND ADOPTED, this 14th day of August 2025, by the Board of Supervisors of the Pine Tree Water Control District, Broward County, Florida.

Attest	Pine Tree Water Control District
Sandra Demarco	Paul Brewer
Assistant Secretary	President
STATE OF FLORIDA	
ss.:	
BROWARD COUNTY	
be the individuals described in Assistant Secretary, respectively and before me that they executed	red Paul Brewer and Sandra Demarco to me and known to me to and who executed the foregoing Resolution as President and y, of the Pine Tree Water Control District and acknowledged to I such instrument and that the seal affixed is the corporate seal of District and that it was affixed to said instrument by due and
WITNESS, my hand and of August 2025.	official seal in the County and State last aforesaid, this 14 th day
	Notary Public

{00380798.1 1991-8402191}

Seventh Order of Business

7A

RESOLUTION 2025-06

A RESOLUTION OF THE PINE TREE WATER CONTROL DISTRICT ADOPTING THE ANNUAL MEETING SCHEDULE FOR FISCAL YEAR 2025/2026

WHEREAS, the Pine Tree Water Control District (the "District") is a local unit of special-purpose government organized and existing in accordance with Chapter 298, Florida Statutes, and situated entirely within Broward County, Florida; and

WHEREAS, the District is required by Florida law to prepare an annual schedule of its regular public meetings which designates the date, time and location of the District's meetings; and

WHEREAS, the Board has proposed the Fiscal Year 2025/2026 annual meeting schedule as attached in **Exhibit A**:

NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF THE PINE TREE WATER CONTROL DISTRICT

1. The Fiscal Year 2025/2026 annual public meeting schedule attached hereto and incorporated by reference herein as Exhibit A is hereby approved and will be published and filed in accordance with the requirements of Florida law.

PINE TREE WATER CONTROL

This Resolution shall become effective immediately upon its adoption.

PASSED AND ADOPTED THIS 14th DAY OF AUGUST 2025.

	DISTRICT
Secretary/Assistant Secretary	Chairperson/Vice Chairperson

EXHIBIT "A"

BOARD OF SUPERVISORS MEETING DATES PINE TREE WATER CONTROL DISTRICT

FISCAL YEAR 2025/2026

All meetings will be held at the Parkland City Hall, 6600 University Drive, Parkland, Florida at 6:00 p.m. on the second Thursday of every month as listed below:

October 9, 2025
November 13, 2025
December 11, 2025
January 8, 2026
February 12, 2026
March 12, 2026
April 9, 2026
May 14, 2026 – Budget Approval
June 11, 2026
July 9, 2026
August 13, 2026 – Budget Adoption
September 10, 2026

7B.

RESOLUTION 2025-07

A RESOLUTION BY THE BOARD OF SUPERVISORS OF THE PINE TREE WATER CONTROL DISTRICT DECLARING CERTAIN TANGIBLE PERSONAL PROPERTY SURPLUS EQUIPMENT AND AUTHORIZING THE DISTRICT MANAGER TO SELL OR DISPOSE OF SAID EQUIPMENT AS EXPEDITIOUSLY AS POSSIBLE AND PROVIDING FOR AN EFFECTIVE DATE

WHEREAS, the Board of Supervisors of the Pine Tree Water Control District owns certain tangible personal property as more fully described in Exhibit 'A', attached herein, and

WHEREAS, said tangible personal property is no longer useful to the Pine Tree Water Control District and;

WHEREAS, the District desires to declare said equipment on Exhibit 'A' as surplus property and;

WHEREAS, the District desires to authorize the District Manager to sell or dispose of said equipment as appropriate,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF THE PINE TREE WATER CONTROL DISTRICT;

- **Section 1.** The above recitals are true and correct and incorporated herein as if set forth in full herein.
- **Section 2.** The District Manager is hereby authorized to take the necessary and appropriate steps to sell at auction or dispose as appropriate, said property.
- **Section 3**. All sections or parts thereof which conflict herewith are, to the extent of such conflict, superseded and repealed. In the event that any portion of this Resolution is found to be unconstitutional or improper, it shall be severed herein and shall not affect the validity of the remaining portions of this Resolution.
 - **Section 4**. This Resolution shall take effect upon its adoption.

PASSED AND ADOPTE	D this 14th day of August 2025, by the Board
of Supervisors of the Pine Tree Water Con	ntrol District, Broward County, Florida.
Secretary/Assistant Secretary	Chairman/Vice Chairperson

Pine Tree Water Control District Surplus Equipment

A 1988 John Deere tractor mower Serial # CD4239 D 971789 (does not start)



2000 SOM19128B0000 16' Jon boat and Continental trailer (trailer immobile/boat bottom has several leaks)



2003 BUJ13131G203 16' Tracker Jon boat and Continental trailer (trailer immobile/boat bottom has several leaks)



7C

Herbicides, Adjuvants and Algaecides

Treflicides, Adjuvants and Algaecides												
	F	Price Agreemen	t Number	4600005219	4600005220	4600005221	4600005222	4600005223	4600005224	4600005225	4600005226	N/B - No Bid N/R - Non Responsive
		Vendo	r Number	123298	1000000855	113698	1000000696	116153	1000001871	106830	116070	W/D - Withdrew Bid
Item	Common Name (Brand Name in Bold)	Container Size	SFWMD Material Number	Blue Green US Water Tech, Inc.	Coastal Ag Supply LLC	Helena Agri Enterprises, LLC	Heritage Professional Prod Group	Nutrien Ag Solutions, Inc.	Orion Solutions, LLC	Red River Specialties, LLC	SiteOne Landscape Supply	Product
1	Weedar 64	2.5 gallon	103860	N/B	N/B	\$27.00	\$24.98	\$24.00	\$21.94	\$23.24	\$32.86	WEEDAR 64
2	2,4D	2.5 gallon	100107	N/B	\$19.99	\$27.00	\$24.98	\$21.50	\$21.39	\$23.24	N/B	ALLIGARE 2,4-D AMINE
3	2,4D	30 gallon	100085	N/B	N/B	N/B	\$23.98	\$21.50	\$21.39	\$22.06	N/B	ALLIGARE 2,4-D AMINE
4	Freelexx	2.5 gallon	105652	N/B	N/B	\$35.00	\$35.00	\$32.75	\$35.00	\$35.00	N/B	FREELEXX
5	Aqua Sweep	2.5 gallon	103354	N/B	N/B	\$57.15	W/D	\$57.15	\$57.15	N/B	\$70.92	AQUA SWEEP
6	Ammonium salt of imazamox	1 or 2.5 gallon	100777	N/B	\$188.00	\$185.00	\$199.98	\$181.81	\$181.17	\$205.00	N/B	ALLIGARE IMOX
7	Clearcast	1 or 2.5 gallon	105612	N/B	N/B	\$205.00	\$205.00	\$205.00	\$205.00	\$205.00	N/B	CLEARCAST
8	Ammonium salt of imazamox	15 gallon	102570	N/B	N/B	\$185.00	\$205.00	N/B	N/B	\$205.00	N/B	CASTAWAY
9	Clearcast	15 gallon	103861	N/B	N/B	\$205.00	\$205.00	\$205.00	\$205.00	\$205.00	N/B	CLEARCAST
10	Triclopyr (aquatic)	2.5 gallon	100108	N/B	\$35.25	\$37.65	\$60.89	\$33.68	\$30.00	\$34.88	N/B	ТАНОЕ ЗА
11	Triclopyr (aquatic)	30 gallon	100779	N/B	\$35.25	\$37.65	\$60.89	\$33.68	\$34.00	\$34.88	N/B	GARLON 3A
12	Vastlan	2.5 gallon	105653	N/B	N/B	\$105.00	\$105.00	\$102.00	\$105.00	\$105.00	N/B	VASTLAN
13	Trycera	2.5 gallon	103862	N/B	N/B	\$85.00	N/B	N/B	\$110.00	N/B	N/B	TRYCERA
14	Trycera	30 gallon	105650	N/B	N/B	\$84.00	N/B	N/B	\$110.00	N/B	N/B	TRYCERA
15	Renovate 3	250 gallon	103863	N/B	N/B	\$123.65	\$123.65	\$123.65	\$123.65	\$123.65	\$365.52	RENOVATE 3
16	Triclopyr ester	2.5 gallon	100802	N/B	\$42.75	\$52.95	\$82.69	\$42.11	N/B	\$43.96	\$65.64	ELEMENT 4
17	Triclopyr ester in oil (ready to use)	2.5 gallon	100681	N/B	N/B	\$65.00	\$60.98	\$57.00	N/R	\$48.88	N/B	PATHFINDER 2

Herbicides, Adjuvants and Algaecides

nerbicides, Adjuvants and Algaecides												
	F	Price Agreement	t Number	4600005219	4600005220	4600005221	4600005222	4600005223	4600005224	4600005225	4600005226	N/B - No Bid N/R - Non Responsive
		Vendo	r Number	123298	1000000855	113698	1000000696	116153	1000001871	106830	116070	W/D - Withdrew Bid
Item	Common Name (Brand Name in Bold)	Container Size	SFWMD Material Number	Blue Green US Water Tech, Inc.	Coastal Ag Supply LLC	Helena Agri Enterprises, LLC	Heritage Professional Prod Group	Nutrien Ag Solutions, Inc.	Orion Solutions, LLC	Red River Specialties, LLC	SiteOne Landscape Supply	Product
18	Stingray	2.5 gallon	105004	N/B	N/B	\$375.00	\$375.00	\$375.00	\$375.00	\$375.00	N/B	STINGRAY
19	Diquat dibromide	2.5 gallon	100054	N/B	\$38.00	\$38.85	\$52.98	\$38.75	\$40.99	\$49.35	\$54.00	ALLIGARE DIQUAT
20	Diquat dibromide	2.5 gallon	100054	N/B	\$38.00	\$38.85	\$52.98	\$38.75	\$40.99	\$49.35	N/B	ALLIGARE DIQUAT
21	Diquat dibromide	30 gallon	103122	N/B	N/B	N/B	N/B	N/B	\$40.99	N/B	N/B	ALLIGARE DIQUAT
22	Diquat dibromide	250 gal return container	101272	N/B	N/B	\$38.85	N/B	\$38.94	\$40.99	\$48.18	N/B	TRIBUNE
23	Aqua Strike	2.5 gallon	103356	N/B	N/B	\$76.75	\$76.75	\$76.75	\$76.75	N/B	N/B	AQUA STRIKE
24	mono(N,N- dimethylalkylamine)	2.5 gallon	100056	N/B	N/B	\$86.70	\$86.70	\$86.70	\$86.70	N/B	N/B	HYDROTHOL
25	Dipotassium salt of endothall	2.5 gallon	100048	N/B	N/B	\$83.30	\$83.30	\$83.30	\$83.30	N/B	N/B	AQUATHOL K
26	Dipotassium salt of endothall	30 gallon	100049	N/B	N/B	\$83.30	\$83.30	\$83.30	\$83.30	N/B	N/B	AQUATHOL k
27	Dipotassium salt of endothall	20 pounds	100069	N/B	N/B	\$21.50	\$21.50	\$21.50	\$21.50	N/B	N/B	AQUATHOL SUPER K
28	Glyphosate (aquatic)	2.5 gallon	100113	N/B	\$22.45	\$25.86	\$24.00	\$21.75	\$24.98	\$23.63	\$31.37	AQUANEAT
29	Glyphosate (aquatic)	30 gallon	100104	N/B	N/B	\$25.15	\$23.50	\$21.75	\$24.74	\$22.99	\$28.28	AQUANEAT
30	Glyphosate (aquatic)	250/265 gal return container	100830	N/B	\$21.95	\$24.65	\$23.00	\$21.75	\$24.49	\$22.53	\$33.04	AQUANEAT
31	Glyphosate (with surfactant)	2.5 gallon	100706	N/B	\$14.80	\$17.00	\$18.48	\$19.00	\$14.90	\$15.90	\$20.96	GLYSTAR PLUS
32	Glyphosate (with surfactant)	30 gallon	100705	N/B	\$14.75	\$16.50	\$17.99	\$19.00	\$14.90	\$15.30	\$20.18	GLYSTAR PLUS
33	Glyphosate (with surfactant)	250/265 gal return container	100841	N/B	\$14.30	\$16.00	\$16.98	\$19.00	\$25.00	N/B	\$29.12	GLYSTAR PLUS
34	Glyphosate (with surfactant)	30 gal retrn container	102832	N/B	N/B	N/B	N/B	N/B	\$20.00	N/B	N/B	CREDIT 5.4

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	P	rice Agreement	t Number	4600005219	4600005220	4600005221	4600005222	4600005223	4600005224	4600005225	4600005226	N/B - No Bid N/R - Non Responsive
		Vendo	r Number	123298	1000000855	113698	1000000696	116153	1000001871	106830	116070	W/D - Withdrew Bid
Item	Common Name (Brand Name in Bold)	Container Size	SFWMD Material Number	Blue Green US Water Tech, Inc.	Coastal Ag Supply LLC	Helena Agri Enterprises, LLC	Heritage Professional Prod Group	Nutrien Ag Solutions, Inc.	Orion Solutions, LLC	Red River Specialties, LLC	SiteOne Landscape Supply	Product
35	Ammonium salt of imazapic	2.5 gallon	100118	N/B	\$110.60	\$122.00	\$142.46	\$116.00	\$101.00	\$97.20	\$182.19	PLATEAU
36	Isopropylamine salt of imazapyr	2.5 gallon	100825	N/B	\$54.05	\$65.00	\$67.98	\$54.00	\$52.00	\$46.67	\$127.52	ARSENAL
37	Isopropylamine salt of imazapyr	15 gallon	100809	N/B	N/B	N/B	N/B	\$57.00	\$100.06	\$45.40	N/B	ARSENAL
38	Isopropylamine salt of imazapyr	30 gallon	100810	N/B	N/B	\$71.50	\$67.98	\$54.00	\$52.00	\$45.28	N/B	ARSENAL
39	Sonar Q	40 pounds	100116	N/B	N/B	\$1,516.80	\$37.92	\$37.92	\$1,516.80	\$37.92	\$47.66	SONAR Q
40	Fluridone	1 quart	103865	N/B	\$1,459.49	\$957.00	\$962.04	\$901.00	\$950.00	N/B	\$815.86	AVAST
41	Sonar Infinity	Sml Case (6) 22PDU btls/case	106039	N/B	N/B	\$793.32	\$793.32	\$793.32	W/D	\$793.32	\$1,223.48	SONAR INFINITY
42	Sonar Infinity	Lrg Case (2) 250 PDU btls/case	106040	N/B	N/B	\$3,005.00	\$3,005.00	\$3,005.00	W/D	\$3,005.00	N/B	SONAR INFINITY
43	Sonar One	20 pounds	102560	N/B	N/B	\$726.33	N/R	W/D	\$726.33	N/R	\$36.32	SONAR ONE
44	Metsulfuron Methyl	4 pounds	102571	N/B	N/B	\$84.00	\$49.98	\$34.00	W/D	N/B	\$38.10	ESCORT XP
45	Aminopyralid-Triclopyr	2.5 gallon	103355	N/B	N/B	\$62.50	\$62.50	\$59.25	\$62.50	\$62.50	N/B	CAPSTONE
46	Aminopyralid	2.5 gallon	100821	N/B	\$265.00	\$325.00	\$325.00	\$265.00	\$265.00	\$325.00	N/B	ALLIGARE WHETSTONE
47	Galleon	1 quart	105001	N/B	N/B	\$694.62	\$694.62	\$694.62	\$694.62	\$694.62	N/B	GALLEON
48	Galleon	2.5 gallon	103358	N/B	N/B	\$2,605.51	\$2,605.51	\$2,605.51	\$2,605.51	\$2,605.51	N/B	GALLEON
49	Flumioxazin Aquatic	1 gallon	105613	N/B	\$252.25	\$251.25	\$322.20	\$252.00	\$250.00	\$248.68	\$521.96	SCHOONER SC
50	Clipper SC	1 gallon	103869	N/B	N/B	N/R	N/R	N/R	\$330.00	N/R	N/R	CLIPPER SC
51	Flumioxazin Aquatic	5 pounds	103800	N/B	\$31.66	\$31.20	\$31.25	\$31.57	\$29.50	\$30.88	N/B	SCHOONER 51% WDG

	F	Price Agreemen	t Number	4600005219	4600005220	4600005221	4600005222	4600005223	4600005224	4600005225	4600005226	N/B - No Bid
			r Number	123298	1000000855	113698	1000000696	116153	1000001871	106830	116070	N/R - Non Responsive W/D - Withdrew Bid
Item	Common Name (Brand Name in Bold)	Container Size	SFWMD Material Number	Blue Green US Water Tech, Inc.	Coastal Ag Supply LLC	Helena Agri Enterprises, LLC	Heritage Professional Prod Group	Nutrien Ag	Orion Solutions, LLC	Red River Specialties,	SiteOne Landscape Supply	Product
52	Tradewind	2 pounds	103164	N/B	N/B	\$775.20	N/R	\$775.20	\$3,526.00	N/B	N/B	TRADEWIND
53	Oasis	2.5 gallon	103359	N/B	N/B	\$2,797.34	\$2,797.34	\$2,797.34	W/D	\$2,797.34	N/B	OASIS
54	TIGR	2.5 gallon	105840	N/B	N/B	\$337.94	\$337.94	\$337.94	\$337.94	\$337.94	\$523.49	TIGR
55	ProcellaCor SC	Sml (6) 16.2 oz btls/case	103845	N/B	N/B	\$3,474.00	\$3,474.00	\$3,474.00	\$3,474.00	N/B	N/B	PROCELLACOR SC
56	ProcellaCor SC	Lrg (2) 135 oz btls/case	105002	N/B	N/B	\$9,650.00	\$9,650.00	\$9,650.00	\$9,650.00	N/B	N/B	PROCELLACOR SC
57	Method 240 SL	2.5 gallon	103843	N/B	N/B	\$372.10	\$364.80	\$364.80	\$364.80	\$364.80	N/B	METHOD 240 SL
58	Pendulum Aquacap	2.5 gallon	105590	N/B	N/B	\$58.00	\$58.57	\$59.00	\$60.00	N/B	\$49.25	PENDULUM AQUACAP
59	Fluazifop-P-butyl	1 gallon	105833	N/B	\$295.25	\$367.00	\$381.00	\$328.00	\$330.00	N/B	N/B	FREQTO
60	Velpar L	2.5 gallon	105665	N/B	N/B	N/B	N/B	\$69.56	N/B	\$74.88	N/B	VELPAR L
61	Hexazinone	2.5 gallon	100105	N/B	N/B	\$90.00	N/B	\$69.56	\$78.00	N/B	N/B	VELPAR L
62	TapOut	2.5 gallon	106041	N/B	N/B	\$99.88	N/B	N/B	N/B	N/B	N/B	TAPOUT
63	Ballast	2.5 gallon	106042	N/B	\$184.00	\$184.00	\$205.00	\$184.00	\$184.00	\$184.00	N/B	BALLAST
64	Mainline	2.5 gallon	106043	N/B	\$214.00	\$214.00	\$238.00	\$214.00	\$214.00	\$214.00	N/B	MAINLINE
65	Accuracy	1 gallon	103692	N/B	N/B	\$39.14	N/B	N/B	N/B	N/B	N/B	ACCURACY
66	Polymer	2.5 gallon	100046	N/B	N/B	N/B	\$31.50	\$35.00	N/B	\$36.25	\$116.90	SYNDETIC
67	Antifoaming Agent	1 pint	100041	N/B	N/B	\$9.60	\$8.50	N/B	\$12.50	\$22.40	N/R	FOAMFORCE QT
68	Silnet	1 gallon	100087	N/B	N/B	\$47.50	\$48.00	\$44.50	N/B	\$45.98	N/B	SILNET 200
69	Oil Carrier	2.5 gallon	100819	N/B	N/B	\$27.27	\$13.27	\$16.50	\$13.40	\$16.70	\$37.92	BASAL OIL MYSTIC BLUE

	F	Price Agreemen	t Number	4600005219	4600005220	4600005221	4600005222	4600005223	4600005224	4600005225	4600005226	N/B - No Bid
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Item	Common Name (Brand Name in Bold)	Container Size	SFWMD Material Number	Blue Green US Water Tech, Inc.	Coastal Ag Supply LLC	Helena Agri Enterprises, LLC	Heritage Professional Prod Group	Nutrien Ag	Orion Solutions, LLC	Red River Specialties,	SiteOne Landscape Supply	Product
70	SunWet	2.5 gallon	105006	N/B	N/B	\$18.35	\$21.00	\$17.50	N/B	N/B	N/B	SUNWET
71	SunWet	15 gallon	105007	N/B	N/B	\$19.83	N/B	\$17.50	N/B	N/B	N/B	SUNWET
72	MSO	2.5 gallon	100083	N/B	\$12.85	\$11.50	\$14.49	\$11.50	\$16.20	\$13.05	\$37.92	BREWER MSO
73	MSO	30 gallon	105614	N/B	N/B	\$9.75	\$14.49	\$11.50	\$15.70	\$13.00	N/B	BREWER MSO
74	Nu-Film IR	2.5 gallon	100115	N/B	N/B	N/B	N/B	\$47.00	N/B	\$46.40	N/B	NU-FILM IR
75	Cide-kick II	2.5 gallon	106044	N/B	N/B	\$21.65	\$24.50	\$21.00	\$27.10	\$22.88	N/B	CIDE-KICK 2
76	Dyne-Amic	2.5 gallon	103381	N/B	N/B	\$46.00	N/B	N/B	N/B	N/B	N/B	DYNE-AMIC
77	Dye (water soluble)	1 gallon	100824	N/B	N/B	N/B	\$49.98	\$27.50	\$24.30	\$17.78	\$17.85	RRSI IVM
78	Induce	2.5 gallon	105454	N/B	N/B	\$29.25	N/B	N/B	N/B	N/B	\$50.72	INDUCE
79	Breeze	2.5 gallon	103872	N/B	N/B	N/B	\$26.00	N/B	N/B	N/B	N/B	BREEZE
80	Quest	2.5 gallon	103167	N/B	N/B	\$30.00	N/B	N/B	N/B	N/B	N/B	QUEST
81	MSO with Leci-tech	2.5 gallon	105592	N/B	N/B	N/B	N/B	\$24.75	\$17.00	N/B	N/B	MSO WITH LECI-TECH
82	MSO with Leci-tech	30 gallon	105593	N/B	N/B	N/B	N/B	\$24.75	\$17.00	N/B	N/B	MSO WITH LECI-TECH
83	LI-700	2.5 gallon	105594	N/B	N/B	N/B	N/B	\$23.75	\$18.00	N/B	N/B	LI-700
84	Liberate	1 or 2.5 gallon	106045	N/B	N/B	N/B	N/B	\$30.00	\$19.00	N/B	N/B	LIBERATE
85	DLZ	2.5 gallon	105712	N/B	N/B	\$26.00	N/B	N/B	N/B	N/B	N/B	DLZ
86	Cohere	2.5 gallon	105832	N/B	N/B	\$46.89	N/B	N/B	N/B	N/B	N/B	COHERE

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	P	rice Agreemen	t Number	4600005219	4600005220	4600005221	4600005222	4600005223	4600005224	4600005225	4600005226	N/B - No Bid N/R - Non Responsive
		Vendo	r Number	123298	1000000855	113698	1000000696	116153	1000001871	106830	116070	W/D - Withdrew Bid
Item	Common Name (Brand Name in Bold)	Container Size	SFWMD Material Number	Blue Green US Water Tech, Inc.	Coastal Ag Supply LLC	Helena Agri Enterprises, LLC	Heritage Professional Prod Group	Nutrien Ag Solutions, Inc.	Orion Solutions, LLC	Red River Specialties, LLC	SiteOne Landscape Supply	Product
87	Lovert	2.5 gallon	106046	N/B	N/B	N/B	\$24.00	\$23.00	N/B	N/B	N/B	LOVERT
88	Thinvert RTU	2.5 gallon					No A	ward				
89	Green Clean (Liquid)	2.5 gallon	105657	N/B	N/B	\$20.62	\$22.60	\$20.25	\$21.80	N/B	N/B	GREEN CLEAN 5.0
90	Green Clean (Liquid)	5 gallon	106049	N/B	N/B	\$20.62	\$22.60	\$18.68	\$19.60	N/B	N/B	GREEN CLEAN 5.0
91	Green Clean (Liquid)	55 gallon	105659	N/B	N/B	\$19.00	\$19.54	\$17.77	\$18.70	N/B	N/B	GREEN CLEAN 5.0
92	Oximycin	2.5 gallon	105660	N/B	N/B	N/B	N/B	\$22.70	\$22.38	N/B	N/B	OXIMYCIN
93	Oximycin	275 gallon	105662	N/B	N/B	N/B	N/B	\$20.40	\$20.13	N/B	N/B	OXIMYCIN
94	Green Clean (Granular)	50 pounds	105656	N/B	N/B	\$1.42	\$1.39	\$1.15	\$1.18	N/B	N/B	GREEN CLEAN PRO
95	Phycomycin	50 pounds	105663	N/B	N/B	N/B	N/B	\$1.21	\$61.08	N/B	\$2.40	PHYCOMYCIN
96	PAK 27	50 pounds	105664	N/B	N/B	N/B	N/B	\$1.72	\$85.95	N/B	\$3.07	PAK 27
97	Lake Guard Oxy	50 pounds	105713	\$8.75	N/B	N/B	N/B	N/B	N/B	N/B	N/B	LAKE GUARD OXY
98	Lake Guard Oxy	1000 pounds	105714	\$8.25	N/B	N/B	N/B	N/B	N/B	N/B	N/B	LAKE GUARD OXY



PRICE AGREEMENT AWARD NOTIFICATION

TO: BlueGreen Water Technologies, Inc. **DATE:** July 1, 2025

2 Northpoint Drive

Delivery: 10 Days of PO Issuance

Suite 925

Houston, TX 77060 **VENDOR NUMBER:** 123298

AGREEMENT NUMBER: 4600005219 BID/QUOTE NUMBER: 6000001644

Title: Herbicides, Adjuvants and Algaecides District Contact: Kari Hansen

Telephone: (561) 682-6757

Email: AHansen@sfwmd.gov

Vendor Contact: Mike Pelz Telephone: (828) 384-5146

Mobile: (828) 384-5146

FOB Destination Email: <u>Mike.Pelz@BlueGreenWaterTech.com</u>

SPECIAL INSTRUCTIONS: When indicated, please give a notice of delivery telephone call to the delivery site staff.

COMMODITIES

Item	SFWMD Material	Description	Unit	Price
1	105713	ALG,LAKE GUARD OXY,50LB	LB	\$8.75
2	105714	ALG,LAKE GUARD OXY,1000LB	LB	\$8.25

- o Item 1 is per pallet, with QTY 40 of 50lbs each for total of 1 ton
- o Item 2 is per pallet, with QTY 1 of 1000lbs each for total of 0.5 ton



PRICE AGREEMENT AWARD NOTIFICATION

TO: Coastal Ag Supply LLC

590 NW 3rd Street Mulberry, FL 33860

Delivery: 10 Days of PO Issuance

VENDOR NUMBER: 1000000855

AGREEMENT NUMBER: 4600005220 BID/QUOTE NUMBER: 6000001644

Title: Herbicides, Adjuvants and Algaecides District Contact: Kari Hansen

Telephone: (561) 682-6757

DATE: July 1, 2025

Email: AHansen@sfwmd.gov

Vendor Contact: Anthony Machado

Telephone: (813) 777-4423 **Mobile:** (813) 777-4423

FOB Destination Email: AMachado@CoastalAgSupply.com

SPECIAL INSTRUCTIONS: When indicated, please give a notice of delivery telephone call to the delivery site staff.

COMMODITIES

Item	SFWMD Material	Decsription	Unit	Price
1	100107	HERB,2,4-D,2.5GAL	GAL	\$19.99
2	100054	HERB,DIQUAT,2.5GAL	GAL	\$38.00
3	100706	HERB,GLYPHOSATE,2.5GAL	GAL	\$14.80
4	100705	HERB,GLYPHOSATE,30GAL	GAL	\$14.75
5	100841	HERB,GLYPHOSATE,250GAL	GAL	\$14.30
6	100821	HERB,AMINOPYRALID,2.5GAL	GAL	\$265.00
7	105833	HERB,FLUAZIFOP P BUTYL,1GAL	GAL	\$295.25

PRICE AGREEMENT AWARD NOTIFICATION

TO: Helena Agri Enterprises, LLC.

> 2405 N 71st Street Tampa, FL 33619

VENDOR NUMBER: 113698

DATE: July 1, 2025

AGREEMENT NUMBER: 4600005221 **BID/QUOTE NUMBER:** 6000001644

Title: Herbicides, Adjuvants and Algaecides **District Contact**: Kari Hansen

Telephone: (561) 682-2793 **Agreement Period:** 07/01/2025 thru 06/30/2026 **Fax:** (561) 682-5992

Email: AHansen@sfwmd.gov

Vendor Contact: James Boggs **Telephone:** (813) 217-9486 **Mobile:** (863) 557-0076

Email: boggsj@helenaagri.com **Delivery:** 10 Days, FOB Destination

SPECIAL INSTRUCTIONS: When indicated, please give a notice of delivery telephone call to the

delivery site staff.

COMMODITIES

Item	SFWMD Material	Decsription	Unit	Price
1	103354	HERB,AQUASWEEP,2.5GAL	GAL	\$57.15
2	102570	HERB,IMAZAMOX,15GAL	GAL	\$185.00
3	103862	HERB,TRYCERA,2.5GAL	GAL	\$85.00
4	105650	HERB,TRYCERA,30GAL	GAL	\$84.00
5	103863	HERB,RENOVATE,250GAL	GAL	\$123.65
6	101272	HERB,DIQUAT,250GAL	GAL	\$38.85
7	100048	HERB,ENDOTHALL,2.5GAL	GAL	\$83.30
8	100069	HERB,ENDOTHALL,20LB	LB	\$21.50
9	103164	HERB,TRADEWIND,2LB	LB	\$775.20
10	106041	HERB,TAPOUT,2.5GAL	GAL	\$99.88

Continued on Page 2

VENDOR: Helena Agri Enterprises, LLC. **DATE:** July 1, 2025

AGREEMENT NUMBER: 4600005221 BID/QUOTE NUMBER: 6000001644

Item	SFWMD Material	Decsription	Unit	Price
11	103692	ADJ,ACCURACY,1GAL	GAL	\$39.14
12	100083	ADJ,MSO,2.5GAL	GAL	\$11.50
13	105614	ADJ,MSO,30GAL	GAL	\$9.75
14	103381	ADJ,DYNE-AMIC,2.5GAL	GAL	\$46.00
15	105454	ADJ.INDUCE,2.5GAL	GAL	\$29.25
16	103167	ADJ,QUEST,2.5GAL	GAL	\$30.00
17	105712	ADJ,DLZ,2.5GAL	GAL	\$26.00
18	105832	ADJ,COHERE,2.5GAL	GAL	\$46.89

PRICE AGREEMENT AWARD NOTIFICATION

TO: Heritage Professional Products Group **DATE:** July 1, 2025

2601 W. Orange Blossom Trail

Apopka, FL 32712

VENDOR NUMBER: 1000000696

AGREEMENT NUMBER: 4600005222 BID/QUOTE NUMBER: 6000001644

Title: Herbicides, Adjuvants and Algaecides District Contact: Kari Hansen

Telephone: (561) 682-6757

Fax: (561) 682-5992

Agreement Period: 07/01/2025 thru 06/30/2026 **Email:** AHansen@sfwmd.gov

FOB Destination Vendor Contact: Dharmen Setaram Telephone/Mobile: (407) 670-4094

Delivery: 10 Days of PO Issuance **Email:** dharmen.setaram@heritageppg.com

SPECIAL INSTRUCTIONS: When indicated, please give a notice of delivery telephone call to the

delivery site staff.

COMMODITIES

Item	SFWMD Material	Decsription	Unit	Price
1	100049	HERB,ENDOTHALL,30GAL	GAL	\$83.30
2	106040	HERB,SONAR INFINITY,250 PDU,2BT/CS	BT	\$3,005.00
3	103359	HERB,OASIS,2.5GAL	GAL	\$2,797.34
4	103845	HERB,PROCELLACOR SC,16.20OZ,6BT/CS	ВТ	\$3,474.00
5	100046	ADJ,POLYMER,2.5GAL	GAL	\$31.50
6	100041	ADJ,ANTIFOAMING,1PT	PT	\$8.50
7	100819	ADJ,OIL CARRIER,2.5GAL	GAL	\$13.27
8	103872	ADJ,BREEZE,2.5GAL	GAL	\$26.00



PRICE AGREEMENT AWARD NOTIFICATION

TO: Nutrien AG Solutions, Inc.

2100 Moores Lane Mulberry, FL 33860 **DATE:** July 1, 2025

VENDOR NUMBER: 116153

AGREEMENT NUMBER: 4600005223 BID/QUOTE NUMBER: 6000001644

Title: Herbicides, Adjuvants and Algaecides

District Contact: Kari Hansen
Telephone: (561) 682-6757

Email: AHansen@sfwmd.gov

Vendor Contact: Stephanie Walters

Delivery: 10 days of PO Issuance **Telephone:** (407) 466-8360

FOB Destination Email: <u>Stephanie.Walters@Nutrien.com</u>

SPECIAL INSTRUCTIONS: When indicated, please give a notice of delivery telephone call to the delivery site staff.

COMMODITIES

Item	SFWMD Material	Decsription	Unit	Price
1	105652	HERB,FREELEXX,2.5GAL	GAL	\$32.75
2	100779	HERB,TRICLOPYR AQUATIC,30GAL	GAL	\$33.68
3	105653	HERB,VASTLAN,2.5GAL	GAL	\$102.00
4	100802	HERB,TRICLOPYR ESTER,2.5GAL	GAL	\$42.11
5	105004	HERB,STINGRAY,2.5GAL	GAL	\$375.00
6	103356	HERB,AQUASTRIKE,2.5GAL	GAL	\$76.75
7	100113	HERB,GLYPHOSATE AQUATIC,2.5GAL	GAL	\$21.75
8	100104	HERB,GLYPHOSATE AQUATIC,30GAL	GAL	\$21.75
9	100830	HERB,GLYPHOSATE AQUATIC,250/265GAL	GAL	\$21.75
10	102571	HERB,METSULFURON METHYL,4LB	LB	\$34.00

Continued on Page 2



VENDOR: Nutrien AG Solutions, Inc. **DATE:** July 1, 2025

AGREEMENT NUMBER: 4600005223 BID/QUOTE NUMBER: 6000001644

Item	SFWMD Material	Decsription	Unit	Price
11	103355	HERB,AMINOPYRALID-TRICLOPYR,2.5GAL	GAL	\$59.25
12	103358	HERB,GALLEON SC,2.5GAL	GAL	\$2,605.51
13	103843	HERB,METHOD 240SL,2.5GAL	GAL	\$364.80
14	105665	HERB,VELPAR L VU,2.5GAL	GAL	\$69.56
15	100105	HERB,HEXAZINONE,2.5GAL	GAL	\$69.56
16	106042	HERB,BALLAST,2.5GAL	GAL	\$184.00
17	100087	ADJ,SPREADER,SILICON,SILNET,1GAL	GAL	\$44.50
18	105006	ADJ,SUNWET,2.5GAL	GAL	\$17.50
19	105007	ADJ,SUNWET,15GAL	GAL	\$17.50
20	106044	ADJ,CIDE-KICK II,2.5GAL	GAL	\$21.00
21	106046	ADJ,LOVERT,2.5GAL	GAL	\$23.00
22	105657	ALG,GREEN CLEAN,2.5GAL	GAL	\$20.25
23	106049	ALG,GREEN CLEAN,5GAL	GAL	\$18.68
24	105659	ALG,GREEN CLEAN,55GAL	GAL	\$17.77
25	105656	ALG,GREEN CLEAN,GRANULAR,50LB	LB	\$1.15
26	105663	ALG,PHYCOMYCIN,50LB	LB	\$1.21
27	105664	ALG,PAK27,50LB	LB	\$1.72



PRICE AGREEMENT AWARD NOTIFICATION

Orion Solutions, LLC TO:

> 1035 Franklin Street, Suite 207 Rocky Mount, VA 24151

DATE: July 1, 2025

VENDOR NUMBER: 116153

AGREEMENT NUMBER: 4600005224 BID/QUOTE NUMBER: 6000001644

Title: Herbicides, Adjuvants and Algaecides District Contact: Kari Hansen **Telephone:** (561) 682-6757

Fax: (561) 682-5992

Agreement Period: 07/01/2025 thru 06/30/2026

Email: AHansen@sfwmd.gov

Vendor Contact: Cory Smith **Mobile:** (903) 571-6622 **Delivery:** 10 days of PO Issuance

FOB Destination Email: Cory.Smith@TheOrionCompanies.us

SPECIAL INSTRUCTIONS: When indicated, please give a notice of delivery telephone call to the delivery site staff.

COMMODITIES

Item	SFWMD Material	Decsription	Unit	Price
1	103860	HERB,WEEDAR 64,2.5GAL	GAL	\$21.94
2	100085	HERB,2,4-D,30GAL	GAL	\$21.39
3	100777	HERB,IMAZAMOX,1GAL	GAL	\$181.17
4	105612	HERB,CLEARCAST,1GAL	GAL	\$205.00
5	100108	HERB,TRICLOPYR AQ,2.5GAL,3,ACID/GAL	GAL	\$30.00
6	103122	HERB,DIQUAT,30GAL	GAL	\$40.99
7	100056	HERB,HYDROTHOL,191,2.5GAL	GAL	\$86.70
8	102832	HERB,GLYPHOSATE,30GAL,RETURN CONT	GAL	\$20.00
9	105001	HERB,GALLEON SC,1QT	QT	\$694.62
10	103869	HERB,CLIPPER SC,1GAL	GAL	\$330.00

Continued on Page 2



VENDOR: Orion Solutions, LLC **DATE:** July 1, 2025

AGREEMENT NUMBER: 4600005224 BID/QUOTE NUMBER: 6000001644

Item	SFWMD Material	Decsription	Unit	Price
11	103800	HERB,FLUMIOXAZIN,5LB	LB	\$29.50
12	105002	HERB,PROCELLACOR SC,135OZ,2BT/CS	ВТ	\$9,650.00
13	105592	ADJ,MSO W/LECI-TECH,2.5GAL	GAL	\$17.00
14	105593	ADJ,MSO W/LECI-TECH,30GAL	GAL	\$17.00
15	105594	ADJ,LI-700,2.5GAL	GAL	\$18.00
16	106045	ADJ,LIBERATE,2.5GAL	GAL	\$19.00
17	105660	ALG,OXIMYCIN,2.5GAL	GAL	\$22.38
18	105662	ALG,OXIMYCIN,275GAL	GAL	\$20.13



PRICE AGREEMENT AWARD NOTIFICATION

TO: Red River Specialties, LLC

1324 North Hearne Ave., Suite 120

Shreveport, LA 71107

DATE: July 1, 2025

VENDOR NUMBER: 106830

AGREEMENT NUMBER: 4600005225

BID/QUOTE NUMBER: 6000001644

Title: Herbicides, Adjuvants and Algaecides

Agreement Period: 07/01/2025 thru 06/30/2026

District Contact: Kari Hansen **Telephone**: (561) 682-6757

Email: AHansen@sfwmd.gov

Vendor Contact: Dan Roach

Mobile: (229) 924-9459

or Chad Chambliss (409) 224-9332

Telephone: (318) 425-5944

Email: Chad.Chambliss@Azelis.com

Delivery: 10 Days of PO Issuance FOB Destination

SPECIAL INSTRUCTIONS: When indicated, please give a notice of delivery telephone call to the delivery

site staff.

COMMODITIES

_	SFWMD			
Item	Material	Decsription	Unit	Price
1	103861	HERB,CLEARCAST,15GAL	GAL	\$205.00
2	100681	HERB,TRICLOPYR ES,MIXED IN OIL,2.5GAL	GAL	\$48.88
3	100118	HERB,IMAZAPIC,2.5GAL	GAL	\$97.20
4	100825	HERB,IMAZAPYR,2.5GAL	GAL	\$46.67
5	100809	HERB,IMAZAPYR,15GAL	GAL	\$45.40
6	100810	HERB,IMAZAPYR,30GAL	GAL	\$45.28
7	100116	HERB,FLURIDONE,SONAR Q,40LBS	LB	\$37.92
8	106039	HERB,SONAR INFINITY,22 PDU,6BT/CS	ВТ	\$793.32
9	105613	HERB,FLUMIOXAZIN,1GAL	GAL	\$248.68
10	105840	HERB,TIGR,2.5GAL	GAL	\$337.94
11	106043	HERB,MAINLINE,2.5GAL	GAL	\$214.00
12	100115	ADJ,NU-FILM IR,2.5GAL	GAL	\$46.40
13	100824	ADJ,DYE,1GAL	GAL	\$17.78

Delivery: 10 Days FOB Destination

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

PRICE AGREEMENT AWARD NOTIFICATION

TO: SiteOne Landscape Supply, LLC

1385 East 36th Street Cleveland, OH 44114

VENDOR NUMBER: 116070

DATE: July 1, 2025

AGREEMENT NUMBER: 4600005226 BID/QUOTE NUMBER: 6000001644

Title: Herbicides, Adjuvants and Algaecides **District Contact**: Kari Hansen **Telephone:** (561) 682-6757

Email: AHansen@sfwmd.gov

Vendor Contact: Monique Potts **Telephone:** (216) 706-9250 ext. 2

Fax: (248) 581-1433

Email: bids@siteone.com

SPECIAL INSTRUCTIONS: When indicated, please give a notice of delivery telephone call to the delivery site staff.

COMMODITIES

Item	SFWMD Material	Decsription	Unit	Price
1	103865	HERB,FLURIDONE,1QT	QT	\$815.86
2	102560	HERB,FLURIDONE,SONAR ONE,20LBS/PL	LB	\$36.32
3	105590	HERB,PENDULUM AQUACAP,2.5GAL	GAL	\$49.25

7D.



Joe Scott, Supervisor of Elections 4650 NW 21st Avenue Fort Lauderdale, FL 33309 (954) 357-VOTE • BrowardVotes.gov

MEMORADUM

To:

Kareen Baker

Inframark

From:

Patricia Santiago

Administration Director

Date:

May 28, 2025

Subject:

Number of Registered Voters Request

Pursuant to your request, please be advised that the number of registered voters as of April 15, 2025, in the Special Districts/Community Development Districts (CDDs) requested is as follows:

Special District/CDD	# of Registered Voters
Maple Ridge Community Development District	650
Monterra Community Development District	2,790
Pine Tree Water Control District	9,693
Coral Springs Improvement District	25,431

We hope this information has been of assistance to you.

Eighth Order of Business

ENGINEER'S REPORT

PINE TREE WATER CONTROL DISTRICT

Meeting Date – August 14, 2025 Reported through 8/6/25

ACTION ITEM

Permit Approval:

AT&T Conduit Installation - Mecca Boulevard to Loxahatchee Road — The project consists of a proposed 2" directional bore under the District's dual 72" culverts at Mecca Boulevard from east to west. The directional bore will have a minimum horizontal clearance under our culverts of 5'. The proposed conduit then turns north and will be installed via open trench installation terminating at Lox Road. The conduit will be installed in the western two feet of the District's Right-of-Way with a minimum cover of 36". Traffic bearing pull boxes will be placed approximately every 500'. We have reviewed the plans, profiles and specifications for the proposed project. Based on our review, we recommend the approval of a Right-of-Way Permit for the referenced project. We have attached a copy of the Permit Application and Project Plans, and we have prepared the Special Conditions which are included in the Permit.

Permit Approval:

City of Parkland – Pine Tree Estates Roadway Improvements and Guardrail Replacement – The project consists of repaving the roadways in Pine Tree Estates and replacing the guardrail at the terminus of each road adjacent to the Pine Tree Sawgrass Canal. A very small portion of the proposed work falls within the District's Maintenance Map Right-of-Way. We have reviewed the plans and specifications for the proposed project. Based on our review, we recommend the approval of a Right-of-Way Permit for the referenced project. We have attached a copy of the Guardrail Project Plans and due to the size of the Roadway Improvement Plans we will have a set for review at the Board Meeting. We have prepared the Special Conditions which will be included in the Permit.

INFORMATIONAL ITEMS

Permitted Projects

Riverstone Plaza – We performed an inspection of the erosion and pollution control measures and they have been installed in substantial conformance with the approved SWPP plans. Drainage installation is complete, and we have made periodic inspections to ensure conformance with the plans and specifications. A minor field adjustment was made due to a conflict with an FPL duct servicing the existing plaza. This

drainage system is private and upon completion it will be maintained and operated by the owner. A Final Drainage Inspection will be performed prior to placing the system into operation.

Lox Road Improvements - SR 7 to Parkside Drive: The portion of the project west of Parkside Drive is ongoing and open to traffic from Parkside to University. No definitive start date has been determined for the portion of the project east of Parkside Drive within PTWCD jurisdiction. Due to the impending start of the Hillsboro Boulevard project the eastern portion of this project could be further delayed due to detour traffic concerns.

Coral Creek/Wiles Road Buffer: The project is complete, and we are waiting for final as-builts and cross sections prior to permit close-out.

Ternbridge/Pine Tree Estates (Terramar) Ditch Improvements: The project is substantially complete, and we performed a Final Inspection with the Engineer of Record (EOR) and the City of Parkland. Punch List items have been addressed and the EOR is reviewing the As-builts. Upon completion of their review, they will forward the portion of as-builts within the District's Right-of-Way to us for our review prior to permit close-out.

West Hillsboro Boulevard Milling, Resurfacing and Widening - East of Parkside Drive to SR 7: A Pre-Construction meting was held virtually. I have been in contact with Broward County and the EOR and they anticipate that the project will start this month.

8A



PERMIT NO.: 2025-02 DATE: July 11, 2025

ISSUED TO: David Schulze

AT&T

600 NW 79th Avenue Miami, Florida 33126

AUTHORIZING: Installation of Conduit in accordance with the plans dated March 15, 2025

LOCATION: NW 61st Terrace

This permit is issued pursuant to Application for Permit as submitted by AT&T ("PERMITTEE"). Said application, including all plans and specifications attached hereto, is by reference made a part hereof. This permit is issued to <u>AT&T</u> as PERMITTEE solely for the installation of conduit at NW 61st Terrace as indicated in the plans submitted, <u>March 15, 2025</u>.

All work, construction and use of the facilities of the PINE TREE WATER CONTROL DISTRICT, permitted hereunder, shall be performed in strict compliance with this permit and the Requirements and Minimum Standards of Construction heretofore adopted by the Pine Tree Water Control District and as the same may hereafter from time to time be amended, changed, or revised; said Requirements and Minimum Standards of Construction being expressly made a part and condition of this permit. A copy of the Requirements and Minimum Standards of Construction are available upon request.

This permit shall not convey to PERMITTEE any property rights nor any rights or privileges other than those specified herein, nor relieve the PERMITTEE from complying with any law, regulation or requirement affecting the rights of other bodies or agencies. All structures and works installed by PERMITTEE hereunder shall remain the property of the PERMITTEE unless otherwise specified below.

The irresponsible dumping or discharging of any aquatic vegetation or debris into the canal system of this District, not specifically approved by the District, is prohibited and will constitute grounds for cancellation of the permit.

PERMIT NO.: 2025-02 DATE: July 11, 2025

STANDARD CONDITIONS ARE AS FOLLOWS:

- a. In the event the Pine Tree Water Control District wishes to obtain ingress or egress to its easement and/or right of way for the purposes of maintenance of the water management system, the removal and reinstallation of any construction permitted hereunder shall be at owner's expense.
- b. Permittee by acceptance of the permit, covenants and agrees that the Pine Tree Water Control District shall be promptly indemnified, defended, protected, exonerated, and saved harmless by the Permittee from and against all expenses, attorney's fees, liabilities, claims, demands, etc., and proceedings incurred by or imposed upon said District in connection with any claim, proceeding, demand, administrative hearing, suit, attorneys' fees, appellate proceeding, or other activity; including unfounded or "nuisance" claims, in which the District may become involved, or any settlement thereof, arising out of any operations under this permit, including use of canal water for irrigation purposes, damage to landscaping, paint damage to automobiles, buildings, or other structures, and any property damage or personal injuries, fatal or non-fatal, of any kind or character.
- c. Silt screens or turbidity curtains shall be installed upstream and downstream of the proposed construction. Screens or curtains shall remain in place at all times until construction is complete.
- d. All excavation within the District's right of way/maintenance easement shall be backfilled and compacted to a density of 100% as measured by AASHTO T-99C.
- e. The District Engineers have reviewed the plans and calculations for this project and find them to be in substantial conformance with the permit delegation procedures set forth by S.F.W.M.D. The applicant must secure a permit from S.F.W.M.D. and provide a copy for our records.
- f. Notify the District 48 hours prior to any construction and/or preconstruction meetings regarding this project. No District facilities shall be accepted without proper inspections and a final walk-through.
- g. This permit does not relieve the applicant from obtaining all other necessary permits.

PERMIT NO.: 2025-02 DATE: July 11, 2025

SPECIAL CONDITIONS ARE AS FOLLOWS:

a. The Permitted Plans governing this project are: ATTSE Project No. A0510HS, Dated 3/15/25. A copy of the Pine Tree Water Control District Permit and referenced plans must be on site during construction activities.

- b. All reports, documentation and correspondence required by the conditions of this permit shall be submitted to the following address: Pine Tree Water Control District, 11555 Heron Bay Boulevard, Suite 201, Coral Springs, FL 33076, Attn: Sandra Demarco. The Permittee shall reference Permit Number 2025-02 on all submittals.
- c. The Permitee shall field verify the location of the existing Pine Tree Water Control District (District) facilities at the location the proposed conduit will cross said facilities to establish the exact depth of the existing pipes, by pot holing or other means. Field verification shall be at the sole expense of the Permitee.
- d. A Pre-Construction Meeting shall be required for this project prior to the commencement of work. At a minimum, the Owner's Representative, Contractor, and the District's Consulting Engineer shall be present.
- e. The Permittee shall notify the District 48 hours in advance of commencement of work within the District Right-of-Way. District personnel shall be present to inspect all work within the District Right-of-Way. The Permittee shall bear the cost of these inspections.
- f. Prior to the initiation of any work authorized by this permit, the Permittee shall, in accordance with FDEP Best Management Practices for Erosion and Sedimentation Control, install erosion control measures along the perimeter of all work areas to prevent the displacement of fill material outside the work area. The erosion control measures shall remain in place and be maintained until all authorized work has been completed and the site has been stabilized. Immediately after completion of the restoration work and final grading all disturbed areas shall be stabilized using Bahia sod.
- g. Prior to the initiation of any of the work authorized by this Permit the Permittee shall provide a copy of the City of Parkland Engineering Permit and any other permits from agencies having jurisdiction over this project to the District.
- h. The minimum separation of 5 feet depicted on the Permit Plans shall be maintained between the proposed conduit and the outside of the District's dual 72" concrete pipe culverts at all times.
- i. Any deviation from the plan location for the proposed conduit must be approved by the District's Consulting Engineer prior to continuation of the work.
- j. The Permittee shall provide, to the District, As-Built drawings upon completion of the project showing vertical and horizontal locations of all improvements that fall within the District's Right-of-Way at 100' intervals. Additionally, the As-Built drawings must show vertical and horizontal locations of the proposed conduit crossing at the existing District culvert pipe and call out minimum separation between the two.
- k. The Permitee shall provide to the District boring logs for directional bores within the District Right-of-Way that tie to the datum referenced in the As-Built Drawings.
- 1. Upon completion of any work that is performed within the District's Right-of-Way, said Right-of-Way shall be returned to a condition that is acceptable to the District. A Final Inspection of the Right-of-Way shall be performed upon completion of all work and must be deemed acceptable prior to the release of the \$2,500.00 Surety Bond and closure of this Permit.

PERMIT NO.: 2025-02 DATE: July 11, 2025

PERMIT TO REMAIN IN EFFECT FOR: Five years from Date of issuance at which time

Permit shall be renewed

PINE TREE

WATER CONTROL DISTRICT

Ssandra H. Demarco, District Manager

PERMIT NO: 2025-02 DATE: 4/13/2021

SPECIAL CONDITIONS ARE AS FOLLOWS:

- a. The Permitted Plans governing this project are: ATTSE Project No. A0510HS, Dated 3/15/25. A copy of the Pine Tree Water Control District Permit and referenced plans must be on site during construction activities.
- b. All reports, documentation and correspondence required by the conditions of this permit shall be submitted to the following address: Pine Tree Water Control District, 11555 Heron Bay Boulevard, Suite 201, Coral Springs, FL 33076, Attn: Sandra Demarco. The Permittee shall reference Permit Number 2025-02 on all submittals.
- c. The Permitee shall field verify the location of the existing Pine Tree Water Control District (District) facilities at the location the proposed conduit will cross said facilities to establish the exact depth of the existing pipes, by pot holing or other means. Field verification shall be at the sole expense of the Permitee.
- d. A Pre-Construction Meeting shall be required for this project prior to the commencement of work. At a minimum, the Owner's Representative, Contractor, and the District's Consulting Engineer shall be present.
- e. The Permittee shall notify the District 48 hours in advance of commencement of work within the District Right-of-Way. District personnel shall be present to inspect all work within the District Right-of-Way. The Permittee shall bear the cost of these inspections.
- f. Prior to the initiation of any work authorized by this permit, the Permittee shall, in accordance with FDEP Best Management Practices for Erosion and Sedimentation Control, install erosion control measures along the perimeter of all work areas to prevent the displacement of fill material outside the work area. The erosion control measures shall remain in place and be maintained until all authorized work has been completed and the site has been stabilized. Immediately after completion of the restoration work and final grading all disturbed areas shall be stabilized using Bahia sod.
- g. Prior to the initiation of any of the work authorized by this Permit the Permittee shall provide a copy of the City of Parkland Engineering Permit and any other permits from agencies having jurisdiction over this project to the District.
- h. The minimum separation of 5 feet depicted on the Permit Plans shall be maintained between the proposed conduit and the outside of the District's dual 72" concrete pipe culverts at all times.
- i. Any deviation from the plan location for the proposed conduit must be approved by the District's Consulting Engineer prior to continuation of the work.
- j. The Permittee shall provide, to the District, As-Built drawings upon completion of the project showing vertical and horizontal locations of all improvements that fall within the District's Right-of-Way at 100' intervals. Additionally, the As-Built drawings must show vertical and horizontal locations of the proposed conduit crossing at the existing District culvert pipe and call out minimum separation between the two.

- k. The Permitee shall provide to the District boring logs for directional bores within the District Right-of-Way that tie to the datum referenced in the As-Built Drawings.
- 1. Upon completion of any work that is performed within the District's Right-of-Way, said Right-of-Way shall be returned to a condition that is acceptable to the District. A Final Inspection of the Right-of-Way shall be performed upon completion of all work and must be deemed acceptable prior to the release of the \$2,500.00 Surety Bond and closure of this Permit.

DESCRIPTION

AT&T PROPOSES TO INSTALL 1938' OF CONDUIT WITHIN PINE TREE WATER CONTROL DISTRICT RIGHT OF WAY, SEE PLANS FOR LOCATION.

CONSTRUCTION NOTES

- RESTORATION MUST BE COMPLETED PER THE CITY'S REQUIREMENTS.
- VERIFY ALL MEASUREMENTS AND DISTANCES.
- CONTRACTOR SHALL MAINTAIN 1 FT MINIMUM HORIZONTAL SEPARATION FROM EXISTING UTILITIES AND 1-FOOT MINIMUM VERTICAL SEPARATION FROM EXISTING UTILITIES (WATER, SEWER, DRAINAGE, AND ALL OTHERS).
- HAND HOLE DENOTES LOCATION OF BORE PIT.
- KEEP WORK NO LESS THAN 10FEET FROM TREES.
- NO PROPOSED RUNNING LINE CHANGES ARE TO BE DONE WITHOUT AT&T APPROVAL.
- MAINTAIN A MIN BENDING RADIUS OF 5' ON ALL DUCT CONFIGURATION.

APWA COLOR CODES		
COLOR	DESCRIPTION	
RED	ELECTRIC POWER LINES (CABLES, CONDUIT & LIGHTING CABLES	
ORANGE	TELECOMMUNICATION (ALARM OR SIGNAL LINES, CABLES OR CONDUIT)	
YELLOW	NATURAL GAS, OIL, STEAM, PETROLEUM OR GASEOUS OR FLAMMABLE MATERIAL	
GREEN	SEWER AND DRAIN LINES	
BLUE	POTABLE WATER	
PURPLE	RECLAIMED WATER, IRRIGATION, AND SLURRY LINES	

LINETYPE	DESCRIPTION
———Е———	POWER UNDERGROUND
	STREET LIGHT
TRF	TRAFFIC
тт	TELCO
TVTV	CABLE TV
FOC FOC	EXISTING FIBER OPTIC CABLE
BOCBOC	EXISTING BURIED CABLE
G	GAS PIPE
SAN	SANITARY SEWER
D	STORM SEWER
FM	FORCE MAIN
W	WATER MAIN
REW-REW-	RECLAIMED WATER
	CENTER LINE
ROW-	RIGHT OF WAY
LAROW	LIMIT ACCESS RIGHT OF WAY
EOP-EOP-	EDGE OF PAVEMENT
	SIDEWALK
	UTILITY EASEMENT
——PL	PROPERTY LINE
XXX	CHAIN FENCE
~~~~~~~	WOOD FENCE
0 0 0 0	GUARD RAIL
-	RAIL ROAD
B	MISSILE BORE
DB-	DIRECTIONAL BORE
UG-	TRENCH
— A ——— A —	AERIAL
BC-	DIRECT BURIED

SYMBOL	DESCRIPTION
P	POWER MANHOLE
×	POWER TRANSFORMER
N N	TRAFFIC SIGNAL CABINET
×→	STREET LIGHT
Ø	WATER VAULT/SPRINKLER
H	WATER METER
0	FIRE HYDRANT
0	SANITARY SEWER MANHOLE
0	STORM SEWER MANHOLE
<b>22</b>	CATCH BASIN
	CULVERT
O	TELCO MANHOLE
Т	TELCO PEDESTAL
TB	TELCO BOX
G	GAS VALVE
<b>E</b>	PROPOSED NEW HANDHOLE
	PROPOSED NEW HANDHOLE ON CONCRETE
	PROPOSED NEW RATE HANDHOLE ON CONCRETE
	PROPOSED NEW HANDHOLE ON ASPHALT
	REMOVE & RESTORE CONCRETE
	REMOVE & RESTORE ASPHALT
	PROPOSED BORE PIT
EB	EXISTING HANDHOLE
MH	PROPOSED NEW MANHOLE
(MH)	EXISTING MANHOLE
K	WOOD JOINT POLE
I©	CONCRETE JOINT POLE
IS	METAL JOINT POLE
0	WOOD TELCO POLE
©	LIGHT POLE

	APWA COLOR CODES
COLOR	DESCRIPTION
RED	ELECTRIC POWER LINES (CABLES, CONDUIT & LIGHTING CABLES
RANGE	TELECOMMUNICATION (ALARM OR SIGNAL LINES, CABLES OR CONDUIT)
ÆLLOW	NATURAL GAS, OIL, STEAM, PETROLEUM OR GASEOUS OR FLAMMABLE MATERIAL
GREEN	SEWER AND DRAIN LINES
BLUE	POTABLE WATER
PURPLE	RECLAIMED WATER, IRRIGATION, AND SLURRY LINES

	LOCATION MAP	
Order Distriction Rivers Strock Ville Line Strock Ville	Sunview Tranquit	SW 18th St SW 18th St
And the second s	DownSouth Dumpsters	Business and Life Management Coaching O Gay Vacation Travel
Acces Maytair, at Parkland NW 80th Dr	8 Junk removal LLC Brookville Ln	NW-56th Way
	Estação do Pão	On Description of Boca
Maytair at Parkland Rabbitry	Bakery & Restaurant	Barwood Center Shoolie Mobile M
Terraman Park Parture con juliana deportivas y zonas	PTWCD PERMIT REQUIRED	
Terramar Park Basketball Courts NW-78th Dr NW-78th Dr	Waywa Q	NW-77th Ct NW-77th Ct NW-77th Ct
NW 77th PI 77th Co	Ng Jane't, Br	Savassi Cleaning Apex Roofing Repair O Savices, Inc O Apex Roofing Repair O NW.76th PI NW.76th PI NW.76th PI
TBL Park (2) NW 77th PI 77th Ct NW 77th PI	(2)	World Class O
Stretch Therapy O Jerry Wing Mill Run O	Dad's Cave O Barbershop Parkland O Waterways Shoppes	O eddle crack kitchen
BKB Pressure Cleaning O	At Parkland O	distanting the state of the sta
nk Removal	Glyk Gelato (1)	O NW 3 ath 85
	Mecca Blvd	Kristin Jacobs Natural Area at NW-74th P
NW 74th Ct  III  III  III  III  III  III  III	NW 74th St	O Country Club Lakes
	Malbec Grill (1)  Boca Beauty Academy (2)	Marley's Cleaning Service NW-74th Ct
Way The Market Market Market Co. 1876 C	NW 73rd Ct SS	

BROWARD COUNTY UTILITY CONTACTS		
COMPANY	ENGINEERING & SURVEYING CONTACT	PHONE
COMCAST CABLE CATV/FIBER UTILITY	LEONARD MAXWELL - NEWBOLD	(954) 447-8405
AMERICAN TRAFFIC SOLUTIONS	SANTIAGO MARTINEZ	(460) 596-4595
FPL-FIBERNET	DANNY HASKETT	(305) 552-2931
FPL-BROWARD	ERNESTO DOMINGUEZ	(954) 561-3088
TECO PEOPLES GAS SOUTH FLORIDA	YVONNE GOLDMAN	(954) 453-0824
LEVEL3 COMMUNICATIONS	NETWORK RELATIONS	(877) 366-8344 EXT. 2
BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (STCD)	ROBERT BLOUNT	(954) 847-2745
AT&T DISTRIBUTION	OTIS KEEVE, BROWARD	(954) 723-2540

#### UG CONSTRUCTION NOTES:

- RESTORE ALL SURFACES TO EQUAL OR BETTER CONDITION.
- VERIFY ALL MEASUREMENTS AND DISTANCES.
- HH DENOTES LOCATION OF BORE PIT.
- KEEP WORK NO LESS THAN 10FEET FROM
- NO PROPOSED RUNNING LINE CHANGES ARE TO BE DONE WITHOUT AT&T
- MAINTAIN A MIN BENDING RADIUS OF 5' ON ALL DUCT CONFIGURATION.
- EXISTING UTILITY LOCATIONS OBTAINED FROM RECORD DRAWINGS AND/OR PROVIDED BY DEVELOPMENT ENGINEER.

ALL FACILITIES SUBJECT TO FIELD VERIFICATION.

Agenda Page 64



# ATTSE

STATE:	DISTRICT:	
FLORIDA	SOUTH FLORIDA	
EXCHANGE:	WIRE CENTER:	
	PMBHFLCS	
AT&T ENGINEER:	AT&T ENGINEER PHONE:	
DAVID SCHULZE	305-929-2162	

#### PERMITS REQUIRED:

CHECK	ALL THAT APPLY	•
☐ F.C	.O.T.	

_	
	COUNTY:

	COUNT	•	
_			
_			

_____ CITY: _____ OTHER: PTWCD

NONE

### PCN: 4741 36 05 0010 REVISIONS/APPROVALS

DATE	DESCRIPTION	INITIA
03/15/25	REDESIGN	CF



Know what's below. Call before you dig.

**BROWARD** PARKLAND 47S 41E

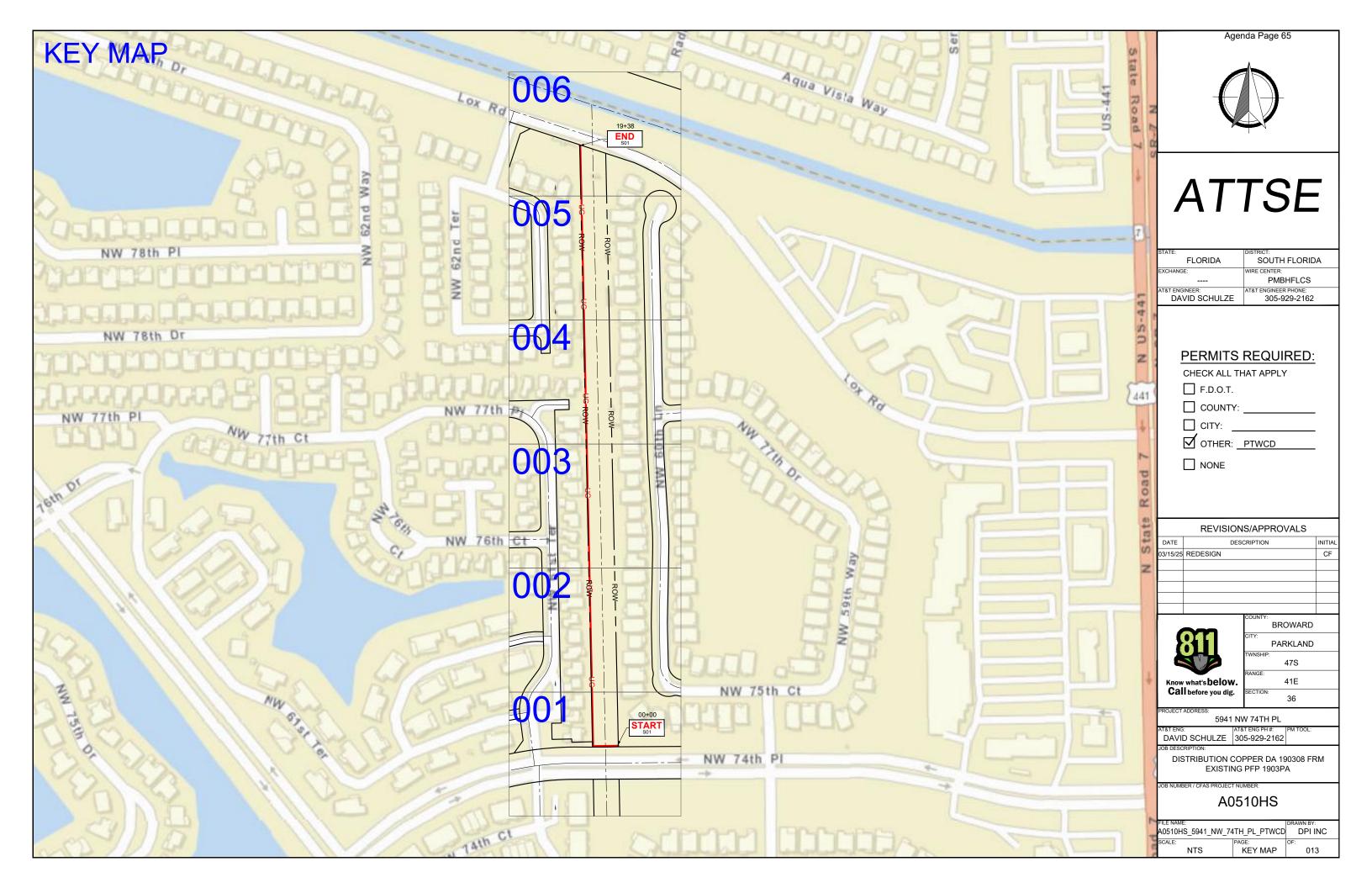
5941 NW 74TH PL

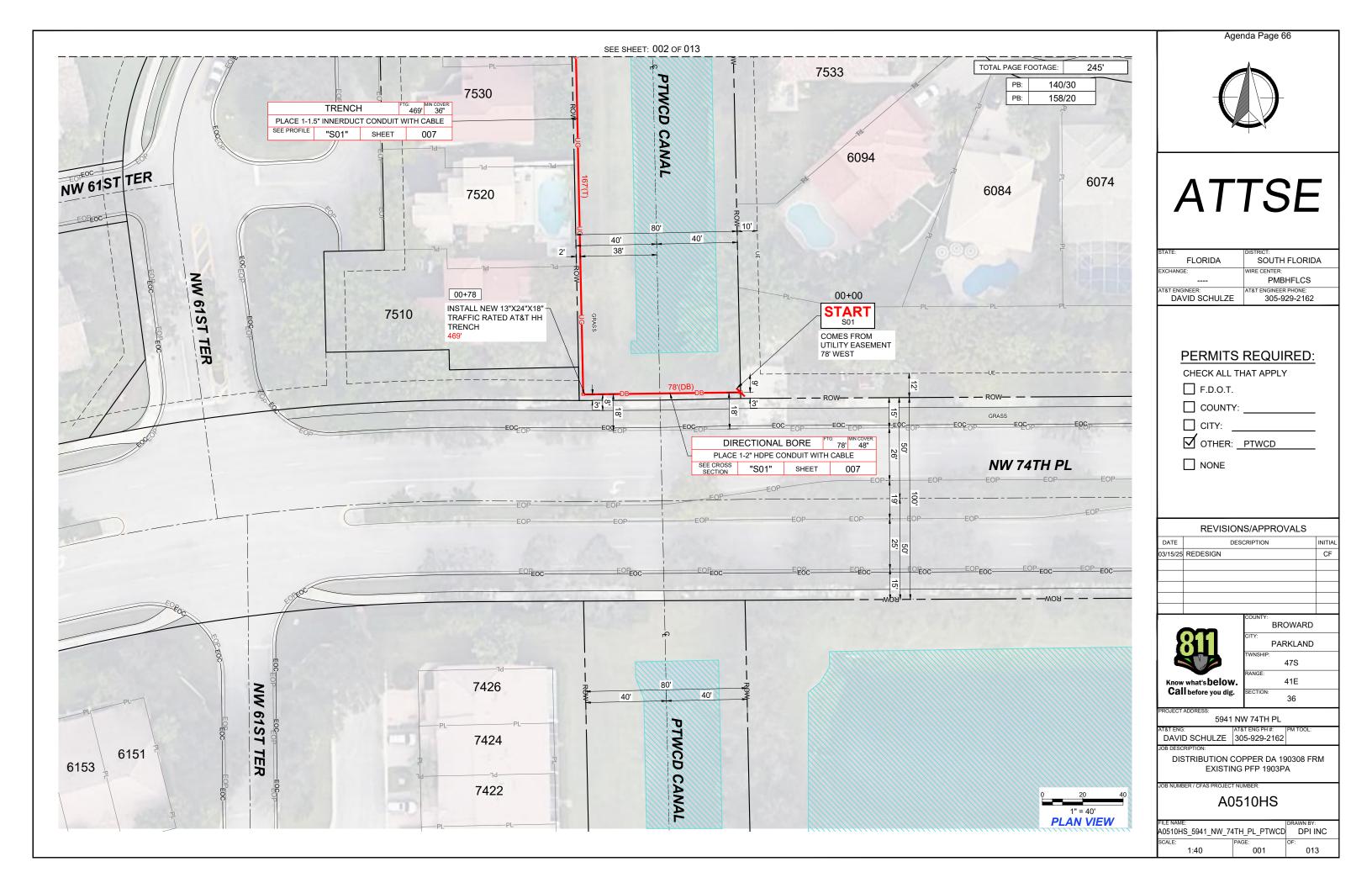
DAVID SCHULZE | 305-929-2162

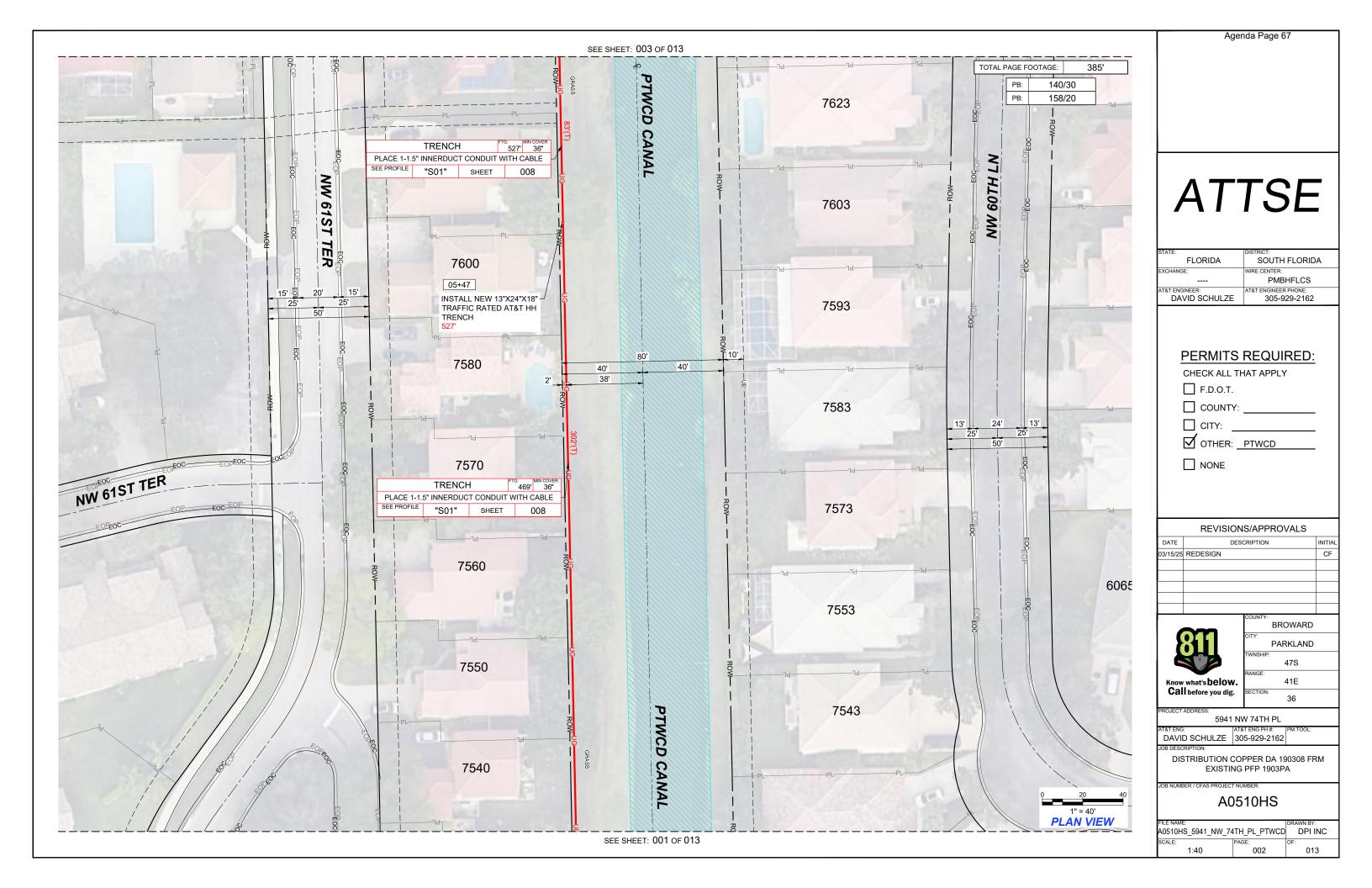
DISTRIBUTION COPPER DA 190308 FRM EXISTING PFP 1903PA

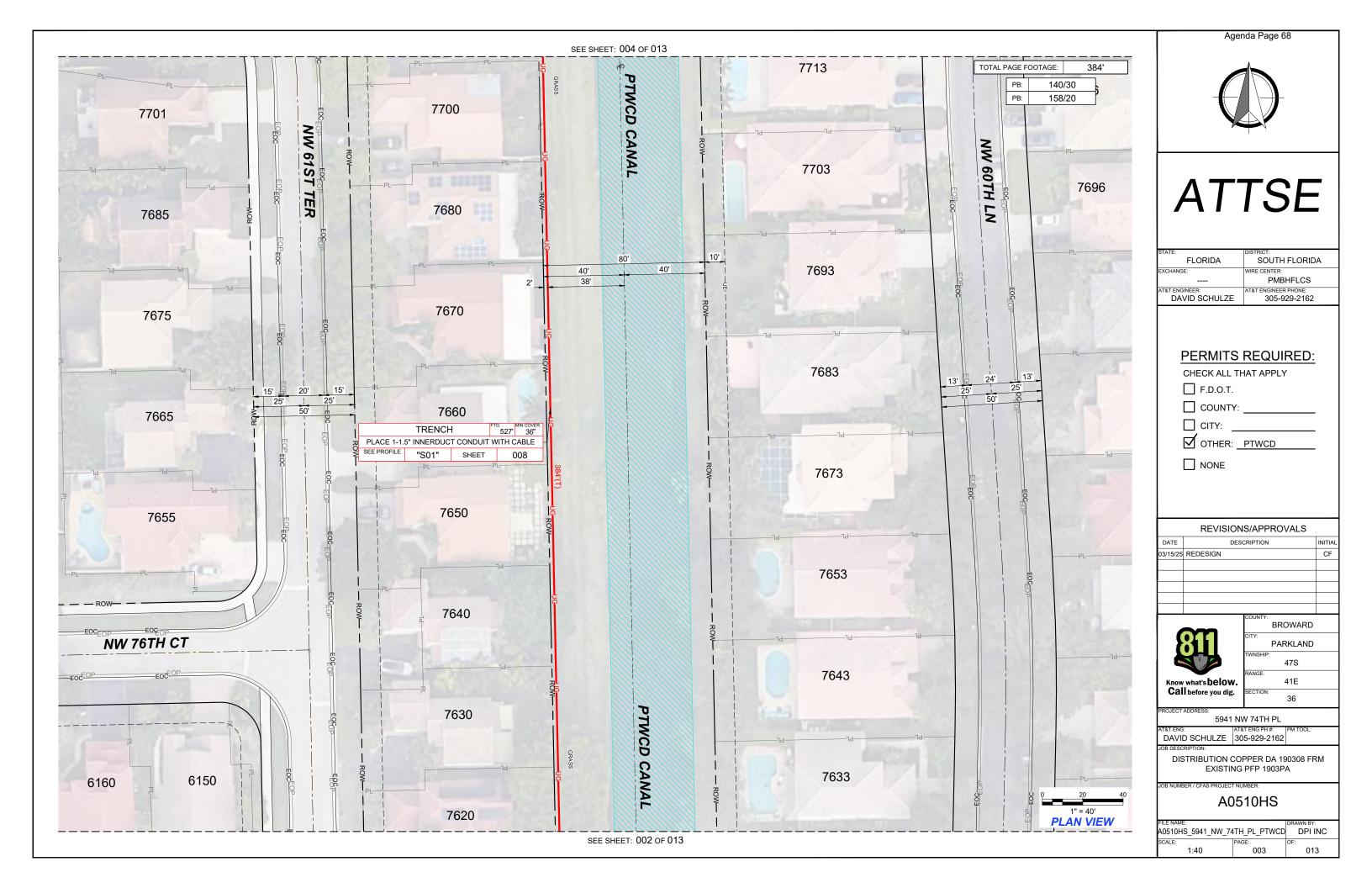
#### A0510HS

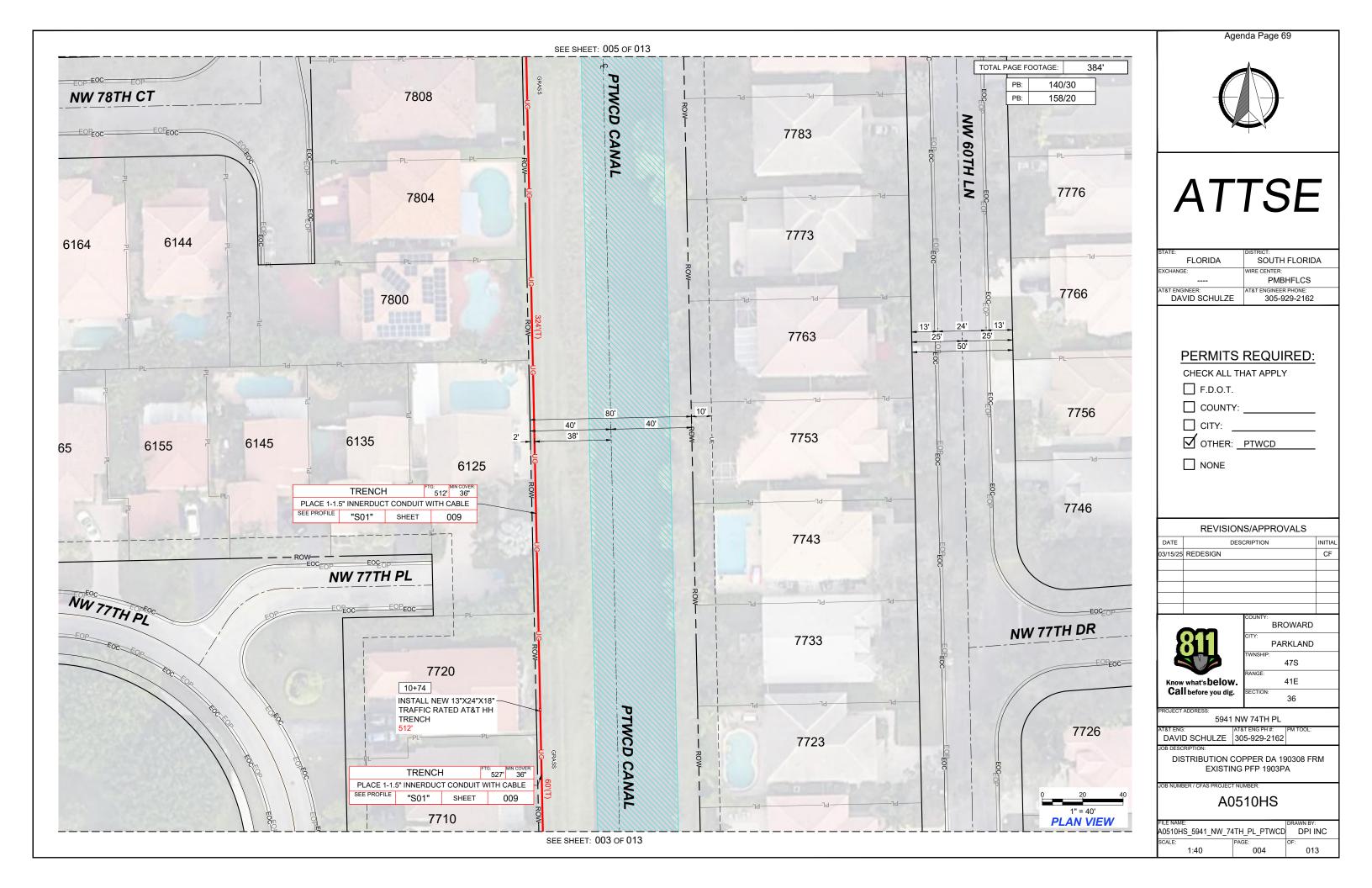
A0510HS_5941_NW_74TH_PL_PTWCD DPI INC COVER 013

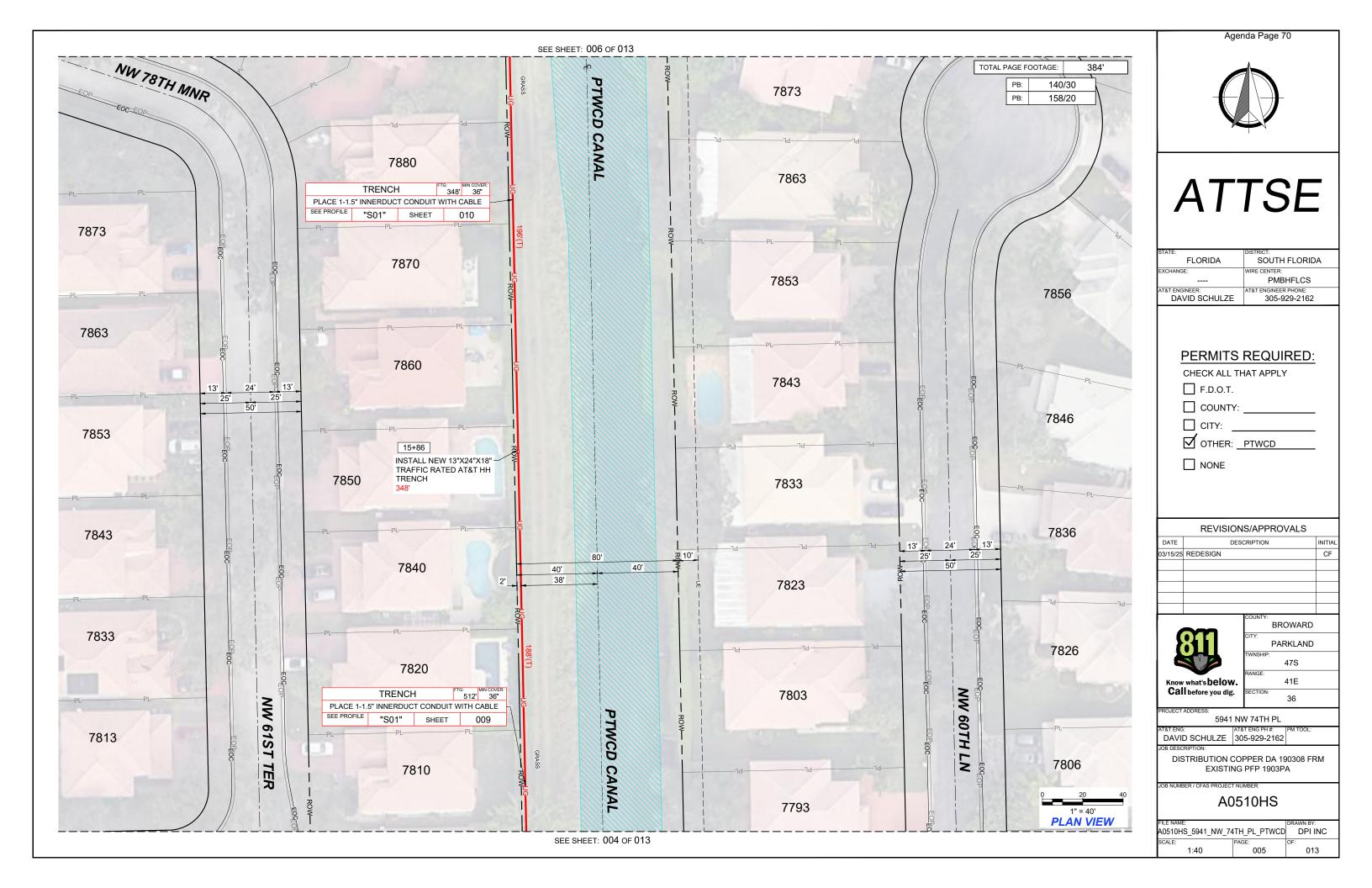


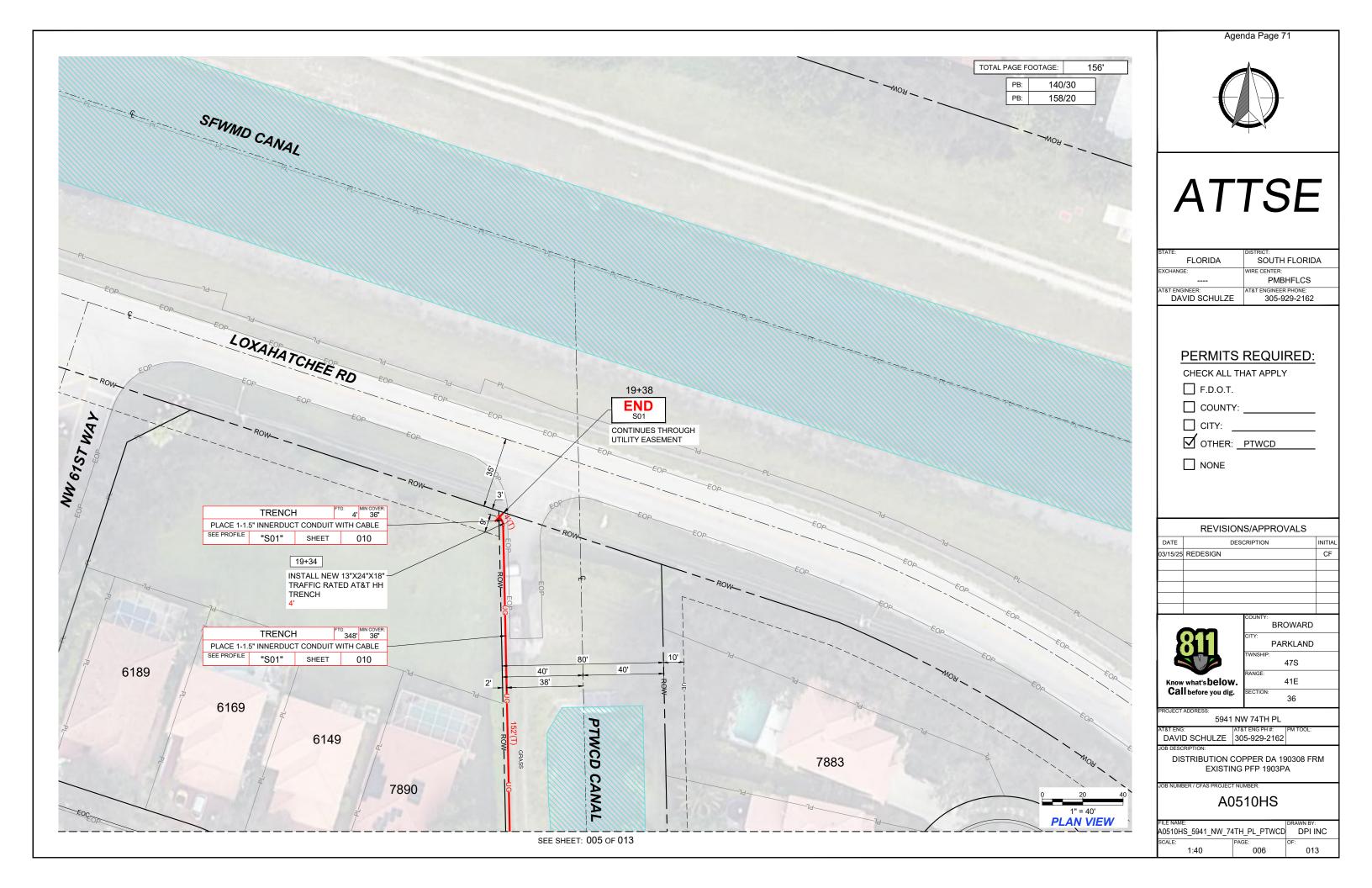




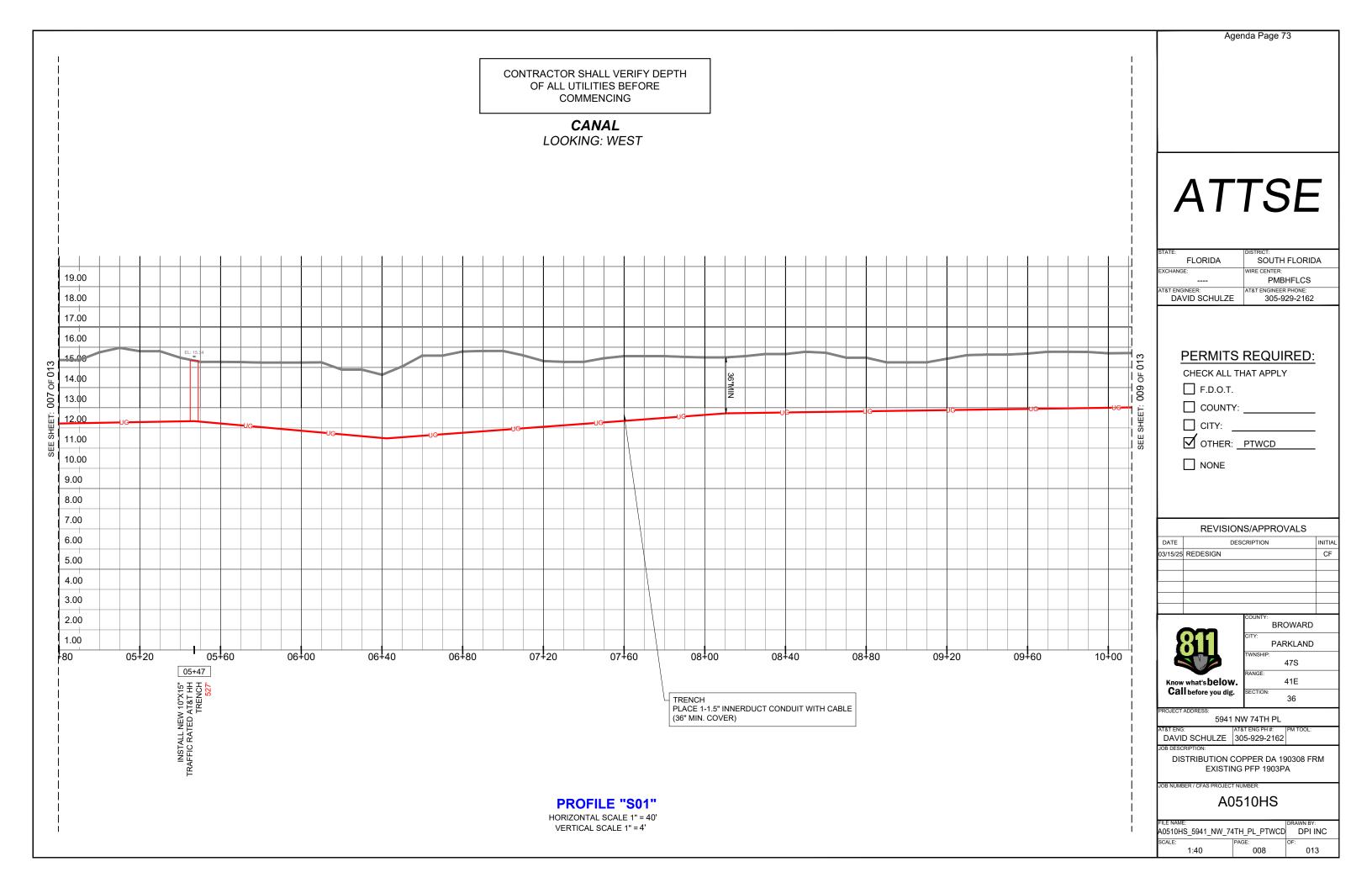


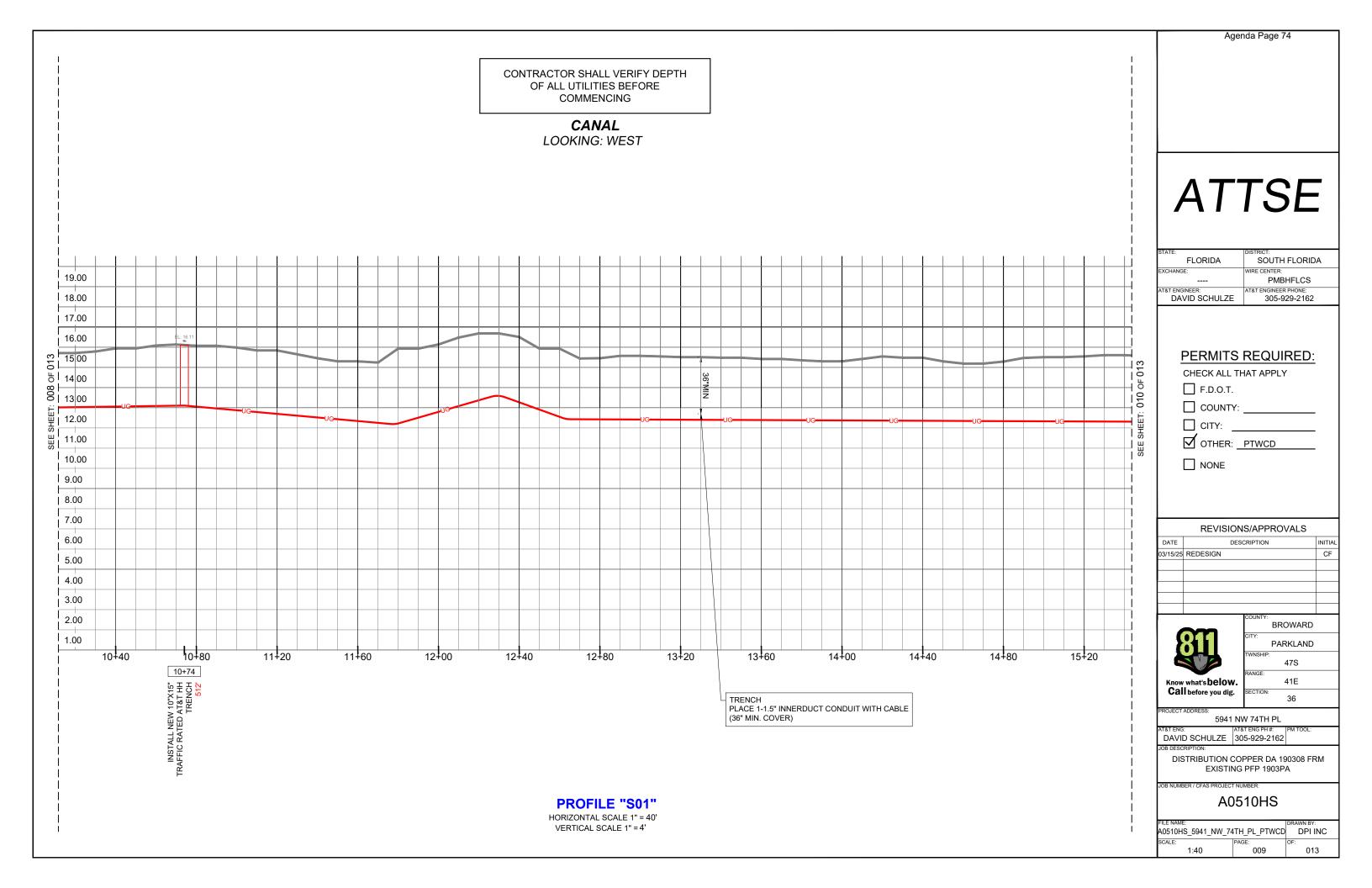


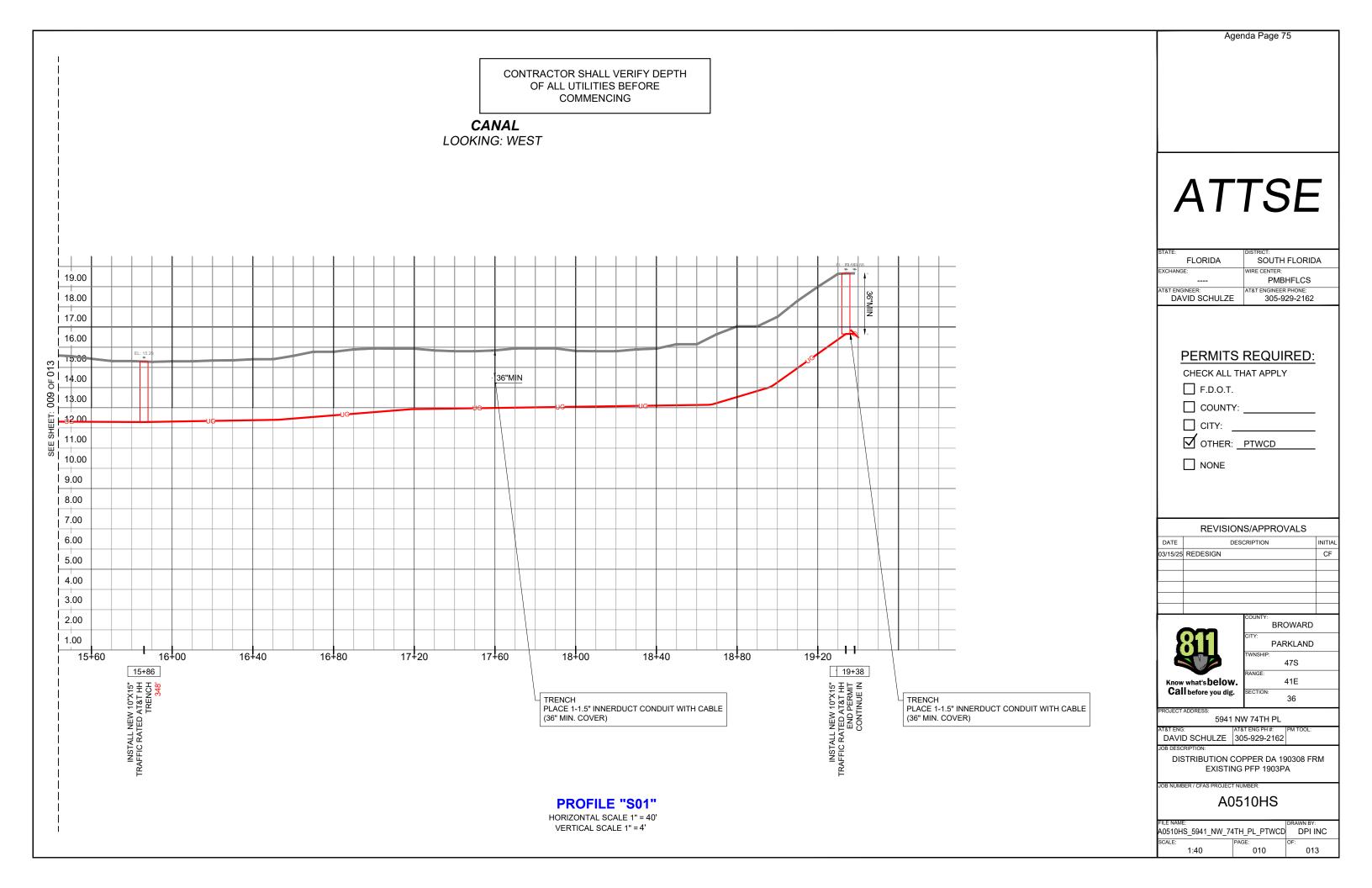




Agenda Page 72 CONTRACTOR SHALL VERIFY DEPTH OF ALL UTILITIES BEFORE COMMENCING CANAL CANAL LOOKING: SOUTH LOOKING: WEST **ATTSE** FLORIDA SOUTH FLORIDA IRF CENTER: 19.00 **PMBHFLCS** AT&T ENGINEER PHONE: 305-929-2162 DAVID SCHULZE 18.00 17.00 16.00 PERMITS REQUIRED: 15.00 — — — — — — — SHEET: 008 ог 013 CHECK ALL THAT APPLY 14.00 ☐ F.D.O.T. 13.00 COUNTY: 12.00 ____ CITY: _____ OTHER: PTWCD 11.00 10.00 NONE 9.00 8.00 7.00 REVISIONS/APPROVALS 6.00 DATE DESCRIPTION 03/15/25 REDESIGN 5.00 4.00 3.00 2.00 BROWARD 1.00 PARKLAND 00+80 02+80 03+60 00+00 00+40 01+20 01+60 02+00 02+40 03+20 04+00 04+40 041 47S 00+00 00+78 Know what's below. Call before you dig. DIRECTIONAL BORE
PLACE 1-2" HDPE CONDUIT WITH CABLE TRENCH
PLACE 1-1.5" INNERDUCT CONDUIT WITH CABLE (48" MIN. COVER) (36" MIN. COVER) 5941 NW 74TH PL DAVID SCHULZE 305-929-2162 DISTRIBUTION COPPER DA 190308 FRM EXISTING PFP 1903PA A0510HS PROFILE "S01" HORIZONTAL SCALE 1" = 40' VERTICAL SCALE 1" = 4' A0510HS_5941_NW_74TH_PL_PTWCD DPI INC 013







#### Agenda Page 76

# ATTSE

STATE:	DISTRICT:	
FLORIDA	SOUTH FLORIDA	
EXCHANGE:	WIRE CENTER:	
	PMBHFLCS	
AT&T ENGINEER:	AT&T ENGINEER PHONE:	
DAVID SCHULZE	305-929-2162	

#### PERMITS REQUIRED: CHECK ALL THAT APPLY F.D.O.T.

COUNTY	:
CITY:	
OTHER:	PTWCD

	ONE
--	-----

#### REVISIONS/APPROVALS

DATE	DESCRIPTION	INITIAL
03/15/25	REDESIGN	CF



	BROW	ARD
	CITY: PARKL	AND
	TWNSHIP: 47S	
N.	RANGE: 41E	
g.	SECTION: 36	

5941 NW 74TH PL

AT&T ENG: | AT&T ENG PH #: | DAVID SCHULZE | 305-929-2162 |

DISTRIBUTION COPPER DA 190308 FRM EXISTING PFP 1903PA

A0510HS

EU E NAME.			10151
FILE NAME:			WN BY:
A0510HS_5941_NW_74TH_PL_PTWCD			DPI INC
SCALE:	PAGE:	OF:	
NTS	011		013

#### ROUTES DATA END ST START ST 00+00 TOTAL SECTION TOTAL FTG 1938 FT 1938 FT S-1 19+38

STRUCTURES DATA

TOTAL NEW CONDUIT			
TYPE	LENGTH		
DIRECTIONAL BORE	78		
TRENCH	1860		
TOTAL	1938		

	STRUCTURES DATA				
SECTION	SIZE	TYPE	COORDINATES		
S-1	10"X15"	NEW	26.323548, -80.208126		
S-1	10"X15"	NEW	26.324838, -80.208147		
S-1	10"X15"	NEW	26.326288, -80.208172		
S-1	10"X15"	NEW	26.327697, -80.208196		
S-1	10"X15"	NEW	26.328653, -80.208212		
	TOTAL ( 10"X15" )		5		
	TOTAL HH ( S-1 )		5		

TOTAL NEW ST	DUCTUBES
SIZE	TOTAL
30"X60"	0
30"X48"	0
24"X36"	0
17"X30"	0
10"X15"	5
TOTAL HH	5

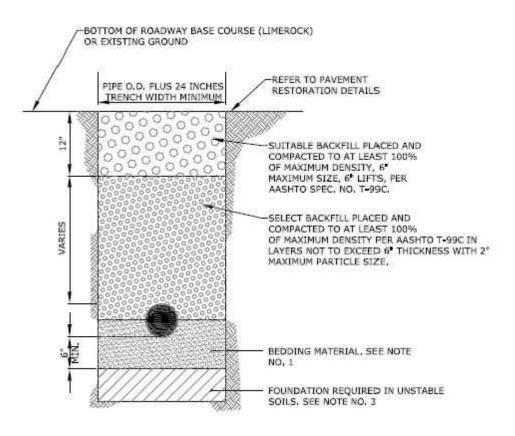
# TYPICAL DETAILS

BROWARD COUNTY
PUBLIC WORKS DEPARTMENT

ATER & WASTEWATER SERVICE ENGINEERING DIVISION 2555 WEST COPANS BOAD FOMPANO BEACH, FL 33069

PHONE NO. 954-631-0745

# STANDARD DETAIL



#### NOTES:

- UNLESS OTHERWISE SPECIFIED, BEDDING MATERIAL SHALL CONSIST OF SELECT BACKFILL MATERIAL 2" MAXIMUM PARTICLE SIZE, COMPACTED TO AT LEAST 100% OF MAX. DENSITY, 6" LIFTS, PER AASHTO SPEC. NO. T-99C.
- WHERE REQUIRED, SHEETING AND SHORING SHALL BE IN ACCORDANCE WITH OSHA REQUIREMENTS,
- WHERE UNSTABLE SOILS ARE ENCOUNTERED, INCLUDING PEAT, MUCK OR OTHER ORGANIC SOILS, ELASTIC SILT AND CLAYS, A FOUNDATION IS REQUIRED AS DETERMINED BY THE ENGINEER OF RECORD,

REVISED

7/7/2021

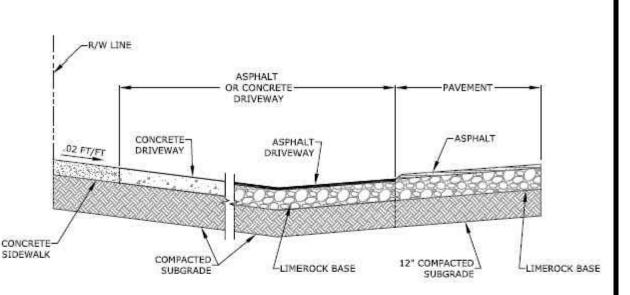
TYPICAL TRENCH BACKFILL

180

BROWARD COUNTY
PUBLIC WORKS DEPARTMENT

ATER & WASTEWATER SERVICE ENGINEERING DIVISION 2555 WEST COPANS ROAD POMPANO BEACH, FL 23088

PHONE NO. 954-831-0745 FAX: 954-831-9925 STANDARD DETAIL



# RESTORATION SPECIFICATION SUMMARY TABLE

TYPE	MATERIAL	SPECIFICATION
TYPE I	SOD, SEED OR MULCH	COMPACTED SUBGRADE (100% PER AASHTO T-99C) BAHIA OR ST, AUGUSTINE SOD TO MATCH EXISTING
TYPE II-A	ASPHALT DRIVEWAY	1-1/2" ASPHALT, 6" LIMEROCK (98% PER AASHTO T-180), COMPACTED SUBGRADE (100% PER AASHTO T-99C)
TYPE III	CONCRETE DRIVEWAY	6" CONCRETE (NO WIRE MESH) COMPACTED SUBGRADE (100% PER AASHTO T-99C)

REVISED

7/7/2021

TYPICAL SECTION THROUGH SWALE

192

# ATTSE

STATE:	DISTRICT:
FLORIDA	SOUTH FLORIDA
EXCHANGE:	WIRE CENTER:
	PMBHFLCS
AT&T ENGINEER:	AT&T ENGINEER PHONE:
DAVID SCHULZE	305-929-2162

#### PERMITS REQUIRED:

CHECK ALL THAT APPLY

		۲.	.C	l	

COUNTY:	
CITY:	

<b>✓</b> OTHER	: PTWCD

■ NONE

#### REVISIONS/APPROVALS

DATE	DESCRIPTION	INITIAI
03/15/25	REDESIGN	CF



BROWARD

CITY:
PARKLAND

WNSHIP:
47S

41E

Call before you dig.

5941 NW 74TH PL

AT&T ENG: | AT&T ENG PH #: | P. |
DAVID SCHULZE | 305-929-2162

JOB DESCRIPTION:

DISTRIBUTION COPPER DA 190308 FRM EXISTING PFP 1903PA

JOB NUMBER / CFAS PROJECT NUMBER

#### A0510HS

FILE NAME:

A0510HS_5941_NW_74TH_PL_PTWCD

DPI INC

SCALE:

NTS

PAGE:

012

OF:

013

**ATTSE** 

PERMITS REQUIRED:

COUNTY:

☐ CITY: _____

CHECK ALL THAT APPLY

OTHER: PTWCD

DAVID SCHULZE

F.D.O.T.

□ NONE

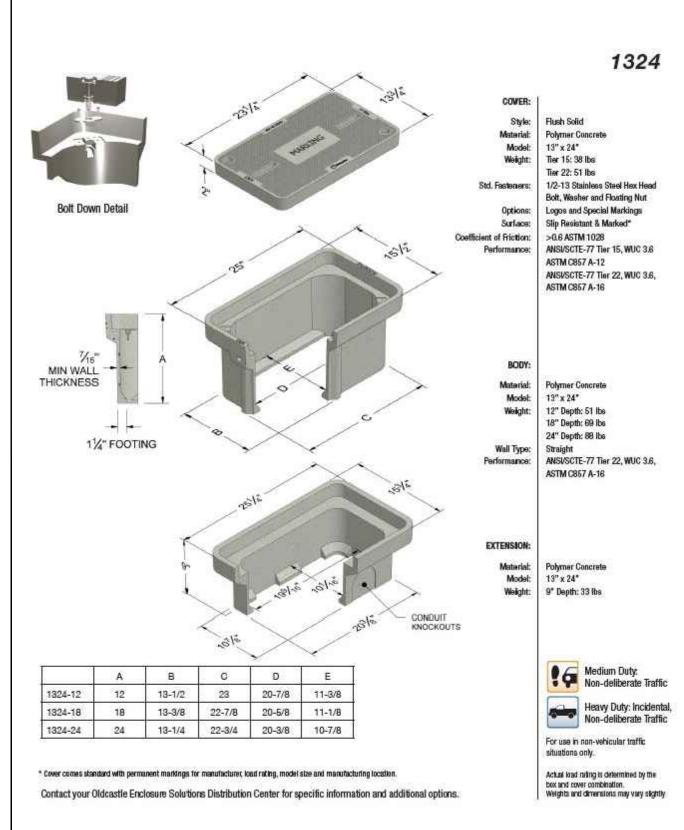
SOUTH FLORIDA

**PMBHFLCS** 

305-929-2162

AT&T ENGINEER PHONE:

# TRAFFIC RATED HANDHOLE (13"x24")



tions: Available Polymer Covers: Flush Solid (Standard)

One Piece

Available Steel Covers:

Fastener Options for Polymer Covers:

Penta Head Boilt Oldcastle Enclosures Vandal Proof Boilt

Penta Coil Thread Bolt Captive Bolt Retainer

Custom Options for Polymer Covers: 4" x 8" Plate with Custom Markings

Add on Options:

EMS Marker (E) Mouseholes/Knockouts

Rack Mount (A) Cable Packs/Cable Arms (B)

Unistrut (C)

Pulling Eye - 1,000 lb and 3,000 lb (D)

Ground Buss (F)

Dividers Racking Provision

Lid Gaskets*

Solid Bottom

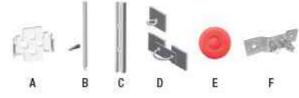
Bodies are Stackable (with tallest body on bottom)

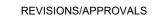
"Lid Gaskets inhibit water flow into the box, they do not make Enclosure fully waterproof.





1324





DATE		DESCRIPTION	INITIA
03/15/25	REDESIGN		CF



BROWARD

CITY:

PARKLAND

TWNSHIP:

47S

RANGE:

41E

SECTION:

36

5941 NW 74TH PL

AT&T ENG: | AT&T ENG PH #: | DAVID SCHULZE | 305-929-2162

DISTRIBUTION COPPER DA 190308 FRM
EXISTING PFP 1903PA

DO NUMBER / OFAC PRO JECT NUMBER

A0510HS

Properties of Raw Material	ASTM Designation	Typical Value
Compressive Strength	C 579	> 11,000 psi
Flexural Strangth	D 790	> 3,000 psi
Chemical Resistance	D 543	Retain > 75% of original strength
Impact Resistance	D 2444	> 70 ft-lb
Friction Coefficient	C 1028	> 0.6
	Raw Material Compressive Strength Flexural Strength Chemical Resistance Impact Resistance	Raw Material Designation  Compressive Strength C 579  Flexural Strength D 790  Chemical Resistance D 543  Impact Resistance D 2444

ASTM Specifications shall be the current revision

Test Reporte available on requ

The Rural Utility Service (RUS) is a department of the US Department of Agriculture organized to facilitate sural developments. You will third Distance Enclosure Solutions brand enclosures conform to the RUS "Temper Festions" features design for behalf pedastate.

Product Load Rating:

Raw Material

Specifications:

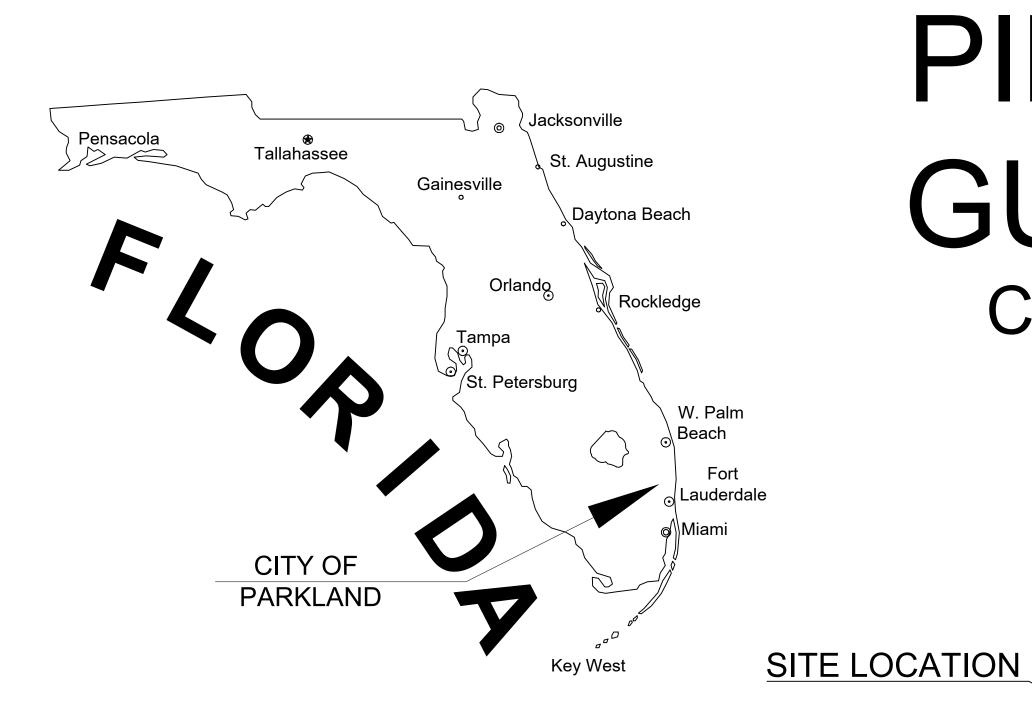


Medium Duty or Heavy Duty: Incidental, Non-deliberate Traffic For use in non-vehicular traffic situations only.

Actual load rating is determined by the box and cover combination. Weights and dimensions may vary slightly All information contained on this sheet is current at the time of printing. Oldcastle Precast, Inc. reserves the right to discontinue or update product information without notice.

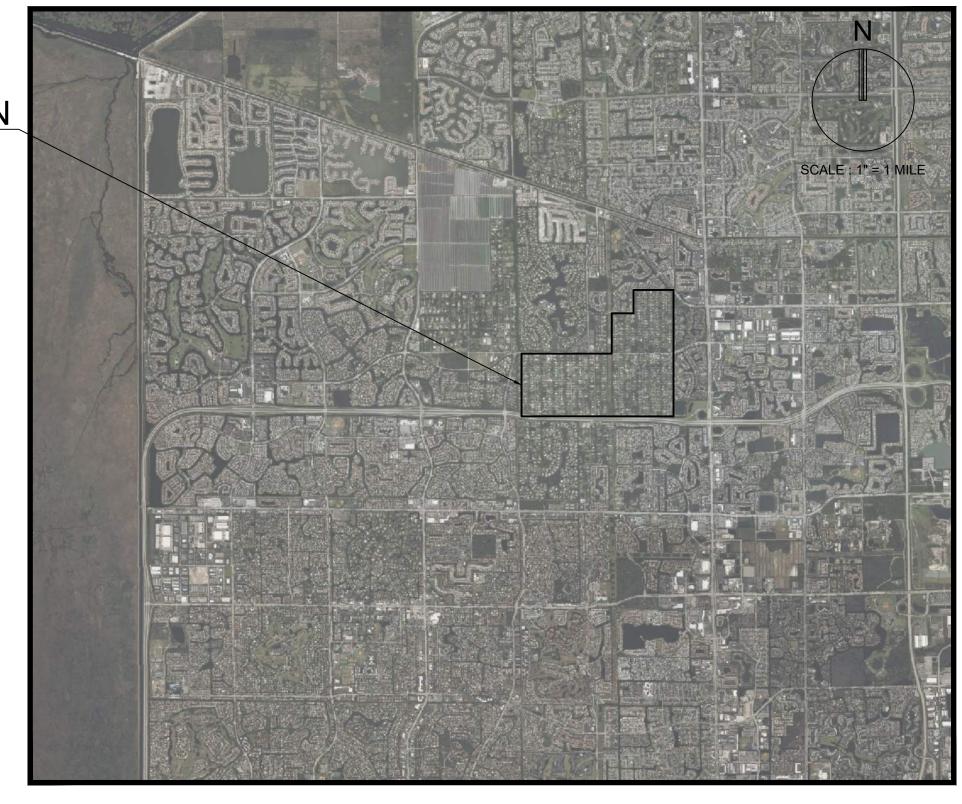
ver combination. Weights and dimensions may vary slightly
the time of printing.

**8B** 



# PINETREE ESTATES GUARDRAIL DESIGN

CITY OF PARKLAND, BROWARD COUNTY, FLORIDA



**LOCATION MAP** 

INDEX OF SHEETS			
SHEET IDENTIFICATON	SHEET TITLE		
GI-000	COVER SHEET		
GI-001	LEGEND AND ABBREVIATIONS		
GI-002	GENERAL CONSTRUCTION NOTES		
GI-003	CONSTRUCTION SPECIFICATIONS		
00	GUARDRAIL KEY MAP		
01 - 09	GUARDRAIL PLAN		
10 - 14	GUARDRAII DETAILS		

THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.



PREPARED FOR: CITY OF PARKLAND 6600 N UNIVERSITY DR, PARKLAND, FL 33067



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

NILES T. WARRICK, P.E. No. 94320

No. 94320

STATE OF

OR ID

OR ID

OR ID

OR ID

OR ID

NILES T. WARRICK, P.E. PLORIDA REG. NO. 94320

(FOR THE FIRM)

PROJECT No. 13430.10 MAY 16, 2025

# **GENERAL SYMBOLS**

CENTER OF MIDGES			
SYMBOL	DESCRIPTION		
A CP-301	PROPOSED SECTION MARKER INDICATING THE SECTION LETTER AND THE SHEET ON WHICH THE SECTION VIEW APPEARS.		
22 C-05	DETAIL REFERENCE CALL OUT INDICATING THE DETAIL NUMBER AND THE SHEET ON WHICH THE DETAIL VIEW APPEARS.		
1	REVISION TRIANGLE NUMBER		
	MISC BREAK LINES		
PIC#	PHOTO LOCATION AND CORRESPONDING PICTURE NUMBER.		
N: 623025.4322	COORDINATE VALUES SHOWN ON PROPOSED IMPROVEMENTS ARE RELATIVE TO THE COORDINATE VALUES INDICATED ON THE RIGHT-OF-WAY, PROPERTY		
E: 850262.1786	CORNERS OR REFERENCE MONUMENT		

# **GEN SITE & PMS**

SYMBOL	DESCRIPTION	
→ <b>4 7</b>	PAVEMENT MARKING ARROWS	
	STOP BAR	
Ġ	ADA PARKING	
•	CONCRETE CAR STOP	
	BICYCLE	
<del>- 3</del>	BICYCLE RACK	
	AUTOMOBILE	
• • • •	POST MOUNTED SIGNS 1,2, DOUBLE POST & 4 WAY	
PARKING SPACE NUMBER		
B 4 P F M	BASELINE, CENTER, PROPERTY, FLOW & MONUMENT LINE	
<b>&gt;</b>	BUILDING ACCESS (ADA) / (NON-ADA)	

## PAVING & GRADING

SYMBOL	DESCRIPTION
0.04% 0.04%	FLOW DIRECTIONAL ARROW
6"[777	ELEVATION CHANGE
5.00 4.50	MAJOR / MINOR CONTOUR ELEVATION
13.56	GRADE ELEVATION
X 13.56 22.00	TOP OF CURB / PAVEMENT ELEVATION
MEG	MATCH EXISTING GRADE
	SLOPE BANK
A-1 24'	DRIVEWAY TURNOUT IDENTIFICATION (FDOT INDEX 522-003) W/ DRIVE WIDTH
CR-?	SIDEWALK CURB RAMP (PER FDOT INDEX 522-002)
	SEAWALL

UTILITY PIPES			
SYMBOL	DESCRIPTION		
Hhhhhh	PIPE FITTINGS: TEE, 90, 45, 22.5, 11.2, CAP,		
	CAP W/FVO, REDUCER, VERTICAL, PLUG		
	<u>VALVES</u> : GATE, BUTTERFLY, DOUBLE BTRFLY,		
	BFP, DDCV, VACUUM BREAKER		
MBO ABO ARV ARV •	MAN/AUTO BLOWOFF, ARV, PIV, FLUSH VLV, CORP STOP		
SP# HYD FDC WW	SAMPLE PNT, HYDRANT, FDC, WATER WELL		
<b>▶</b> →) (	TAPPING SADDLE		
<u></u>	EXFILTRATION TRENCH		
	PIPE CASING		
V	VENT PIPE BOX		
C-X 22	UTILITY CROSSING		

# HATCH PATTERNS

SYM	DESCRIPTION	SYM	DESCRIPTION	
4 4	CONCRETE AREA		BRICK PAVERS	
+ + + + + + + + + + + + + + + + + + + +	JOGGING PATH		SOIL TRACKING PREVENTION DEVICE	
	PAVEMENT AREA		SAND (DETAIL / ELEVATION)	
	BUILDING HATCH		EARTH (DETAIL / ELEVATION)	
	MILLING AND RESURFACING		GRAVEL (DETAIL / ELEVATION)	
	DETECTABLE WARNING PER FLORIDA CODE	* * * * * * * * * * * * * * * * * * * *	GRASS AREA	
	DEMOLITION AREA		ADA STRIPING	

# UTILITY STRUCTURES

	<u> </u>			
SYMBOL	DESCRIPTION			
CB	FDOT C,D,E,F,G & FABRIC CATCH BASIN			
B D S	NON-FDOT ROUND CB'S & MANHOLES, MDC STRUCTURE			
	FDOT CURB INLETS TYPE1-TYPE10			
	TRENCH DRA	AIN		
	PIPE CULVER	RT - MITERED END SECTION		
	STRAIGHT EI	NDWALL		
PS#	PUMP STATION	ON LOCATION AND NUMBER		
	GREASE TRA	AP SINGLE AND DOUBLE		
0 0	SEPTIC TANK	<		
	SEPTIC DRA	IN FIELD		
	DRAINAGE W	/ELL, DRAIN C.B., CONTROL STR	UCTURE	
MW	MONITORING WELL			
WELL	WATER WELL			
M	METER BOX	WATER AND IRRIGATION		
O O DD DD	YARD DRAIN	/ 9" DECK DRAIN ROUND & SQUA	ARE	
oco oco	CLEAN OUT 6	5", 4" & BOX		
22	STORM STR	JCTURE TABLE REFERENCE NUI	MBER	
22)	SEWER STR	UCTURE TABLE REFERENCE NUI	MBER	
CONST. 4' Ø MAS  RIM EL. = 10.00  N INV. EL. = 4.00 - XX" DIP  E INV. EL. = 4.00 - XX" DIP  S INV. EL. = 4.00 - XX" DIP  W INV. EL. = 4.00 - XX" DIP		SEWER STRUCTURE CALLOUT (SHOWN AS A CIRCLE CIRCUMSCRIBING THE STRUCTURE NUMBER.)	INDICATES STRUCTURE NUMBER, STATION & OFFSET, STRUCTURE SIZE & TYPE, RIM/GRATE	
CONST. 4' Ø CB  RIM EL. = 10.50 (N) INV. EL. = 4.50 - XX" HDPE (E) INV. EL. = 4.50 - XX" HDPE (S) INV. EL. = 4.50 - XX" HDPE (W) INV. EL. = 4.50 - XX" HDPE		STORM STRUCTURE CALLOUT (SHOWN AS A HEXAGON CIRCUMSCRIBING THE STRUCTURE NUMBER.)	ELEVATION, PIPE INVER- ELEVATIONS & DIRECTION PIPE SIZE & MATERIAL A WELL AS ANY SPECIAL NOTES.	

### LINE TYPES

PROPOSE	ED UTILITIES	PAVEMENT MARKING
w	WATER LINE	STRIPE SKIP 2-4
SAN	SANITARY SEWER	— — STRIPE SKIP 3-9
FM	FORCE MAIN	STRIPE SKIP 6-10
LFM —	LOW PRESSURE FM	STRIPE SKIP 10-30
SD	STORM DRAIN	STRIPE SKIP 10-10-20
PSD	PRESSURE STORM	STRIPE SKIP 2-2-2
IRR	IRRIGATION	
RAW	RAW WATER	GENERAL SITE
RCW	RECLAIMED WATER	DEMOLITION
G	— GAS LINE	TURBIDITY BARRIER
		PARKING STRIPING (SINGLE)
TC	PO	FIRE TRUCK PATH
	BREAKLINE	— — — SIGHT TRIANGLE
	MAJOR CONTOUR	BUILDING FOOTPRINT
	MINOR CONTOUR	- VEHICLE OVERHANG
TOP OF BANK		CONSTRUCTION LIMITS
	TOE OF SLOPE	SF SILT FENCE SSF SUPER SILT FENCE
	EDGE OF WATER	X — X — CHAIN LINK FENCE
CLSCLS	CENTERLINE OF SWALE	• HANDRAIL
		PARKING STRIPING (DOUBLE

PROPOSED ENCUM	BRANCES
	PROPERTY LINE
	ROW LINE
	BUILDING SETBACK LINE
	BUFFER LINE
	EASEMENT LINE

DESCRIPTION	ABBREVIATION
AADT	ANNUAL AVERAGE DAILY TRAFFIC
ABAN	ABANDON
ADJ APPROX.	ADJUST  APPROXIMATE
A.C.	ASPHALT CONCRETE
ACCM PIPE	ASPHALT COATED CORRUGATED METAL
BIT.	BITUMINOUS
BC	BACK OF CURB
BD.	BOUND
BL	BASELINE
BLDG	BUILDING
BO	BENCHMARK BY OTHERS
BOS	BOTTOM OF SLOPE
BR.	BRIDGE
CAP	CORRUGATED ALUMINUM PIPE
СВ	CATCH BASIN
CBCI	CATCH BASIN WITH CURB INLET
CC	CEMENT CONCRETE
ССМ	CEMENT CONCRETE MASONRY
CEM	CEMENT  CURB INLET
CIP	CORB INLE I  CAST IRON PIPE
CLF	CAST IRON PIPE  CHAIN LINK FENCE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO.	COUNTY
CONC	CONCRETE
CONT	CONTINUOUS
CONST	CONSTRUCTION
CR GR	CROWN GRADE
DDCV	DOUBLE DETECTOR CHECK VALVE  DOUBLE DETECTOR CHECK VALVE
DHV	ASSEMBLY
DI	DESIGN HOURLY VOLUME  DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWY	DRIVEWAY
ELEV (OR EL.)	ELEVATION
ЕМВ	EMBANKMENT
EOP	EDGE OF PAVEMENT
EOW FYIOT (OR FY)	EDGE OF WATER
EXIST (OR EX)	EXISTING
EVC	
EXC F&C	EXCAVATION
F&C	
	EXCAVATION FRAME AND COVER
F&C F&G	EXCAVATION  FRAME AND COVER  FRAME AND GRATE
F&C F&G FDC	EXCAVATION  FRAME AND COVER  FRAME AND GRATE  FIRE DEPARTMENT CONNECTION
F&C F&G FDC FDN.	EXCAVATION  FRAME AND COVER  FRAME AND GRATE  FIRE DEPARTMENT CONNECTION  FOUNDATION
F&C F&G FDC FDN.	EXCAVATION  FRAME AND COVER  FRAME AND GRATE  FIRE DEPARTMENT CONNECTION  FOUNDATION  FIRE HYDRANT  FIELDSTONE  GARAGE
F&C F&G FDC FDN. FH FLDSTN GAR GD	EXCAVATION  FRAME AND COVER  FRAME AND GRATE  FIRE DEPARTMENT CONNECTION  FOUNDATION  FIRE HYDRANT  FIELDSTONE  GARAGE  GROUND
F&C F&G FDC FDN. FH FLDSTN GAR GD	EXCAVATION  FRAME AND COVER  FRAME AND GRATE  FIRE DEPARTMENT CONNECTION  FOUNDATION  FIRE HYDRANT  FIELDSTONE  GARAGE  GROUND  GUTTER INLET
F&C F&G FDC FDN. FH FLDSTN GAR GD GI	EXCAVATION  FRAME AND COVER  FRAME AND GRATE  FIRE DEPARTMENT CONNECTION  FOUNDATION  FIRE HYDRANT  FIELDSTONE  GARAGE  GROUND  GUTTER INLET  GALVANIZED IRON PIPE
F&C F&G FDC FDN. FH FLDSTN GAR GD GI GIP GRAN	EXCAVATION  FRAME AND COVER  FRAME AND GRATE  FIRE DEPARTMENT CONNECTION  FOUNDATION  FIRE HYDRANT  FIELDSTONE  GARAGE  GROUND  GUTTER INLET  GALVANIZED IRON PIPE  GRANITE
F&C F&G FDC FDN. FH FLDSTN GAR GD GI	EXCAVATION  FRAME AND COVER  FRAME AND GRATE  FIRE DEPARTMENT CONNECTION  FOUNDATION  FIRE HYDRANT  FIELDSTONE  GARAGE  GROUND  GUTTER INLET  GALVANIZED IRON PIPE
F&C F&G FDC FDN. FH FLDSTN GAR GD GI GIP GRAN GRAV	EXCAVATION  FRAME AND COVER  FRAME AND GRATE  FIRE DEPARTMENT CONNECTION  FOUNDATION  FIRE HYDRANT  FIELDSTONE  GARAGE  GROUND  GUTTER INLET  GALVANIZED IRON PIPE  GRAVEL
F&C F&G FDC FDN. FH FLDSTN GAR GD GI GIP GRAN GRAV GRD	EXCAVATION  FRAME AND COVER  FRAME AND GRATE  FIRE DEPARTMENT CONNECTION  FOUNDATION  FIRE HYDRANT  FIELDSTONE  GARAGE  GROUND  GUTTER INLET  GALVANIZED IRON PIPE  GRAVEL  GUARD
F&C F&G FDC FDN. FH FLDSTN GAR GD GI GIP GRAN GRAV GRD GV	EXCAVATION  FRAME AND COVER  FRAME AND GRATE  FIRE DEPARTMENT CONNECTION  FOUNDATION  FIRE HYDRANT  FIELDSTONE  GARAGE  GROUND  GUTTER INLET  GALVANIZED IRON PIPE  GRAVEL  GUARD  GATE VALVE
F&C F&G FDC FDN. FH FLDSTN GAR GD GI GIP GRAN GRAV GRD GV HDPE	EXCAVATION  FRAME AND COVER  FRAME AND GRATE  FIRE DEPARTMENT CONNECTION  FOUNDATION  FIRE HYDRANT  FIELDSTONE  GARAGE  GROUND  GUTTER INLET  GALVANIZED IRON PIPE  GRAVEL  GUARD  GATE VALVE  HIGH DENSITY POLYETHYLENE
F&C F&G FDC FDN. FH FLDSTN GAR GD GI GIP GRAN GRAV GRD GV HDPE	EXCAVATION  FRAME AND COVER  FRAME AND GRATE  FIRE DEPARTMENT CONNECTION  FOUNDATION  FIRE HYDRANT  FIELDSTONE  GARAGE  GROUND  GUTTER INLET  GALVANIZED IRON PIPE  GRANITE  GRAVEL  GUARD  GATE VALVE  HIGH DENSITY POLYETHYLENE  HEADWALL
F&C F&G FDC FDN. FH FLDSTN GAR GD GI GIP GRAN GRAV GRD GV HDPE HDW HMA HOR	EXCAVATION  FRAME AND COVER  FRAME AND GRATE  FIRE DEPARTMENT CONNECTION  FOUNDATION  FIRE HYDRANT  FIELDSTONE  GARAGE  GROUND  GUTTER INLET  GALVANIZED IRON PIPE  GRANITE  GRAVEL  GUARD  GATE VALVE  HIGH DENSITY POLYETHYLENE  HEADWALL  HOT MIX ASPHALT  HORIZONTAL  HYDRANT
F&C F&G FDC FDN. FH FLDSTN GAR GD GI GIP GRAN GRAV GRD GV HDPE HDW HMA HOR HYD	EXCAVATION  FRAME AND COVER  FRAME AND GRATE  FIRE DEPARTMENT CONNECTION  FOUNDATION  FIRE HYDRANT  FIELDSTONE  GARAGE  GROUND  GUTTER INLET  GALVANIZED IRON PIPE  GRANITE  GRAVEL  GUARD  GATE VALVE  HIGH DENSITY POLYETHYLENE  HEADWALL  HOT MIX ASPHALT  HORIZONTAL  HYDRANT  INVERT
F&C F&G FDC FDN. FH FLDSTN GAR GD GI GIP GRAN GRAV GRD GV HDPE HDW HMA HOR HYD	EXCAVATION FRAME AND COVER FRAME AND GRATE FIRE DEPARTMENT CONNECTION FOUNDATION FIRE HYDRANT FIELDSTONE GARAGE GROUND GUTTER INLET GALVANIZED IRON PIPE GRANITE GRAVEL GUARD GATE VALVE HIGH DENSITY POLYETHYLENE HEADWALL HOT MIX ASPHALT HORIZONTAL HYDRANT INVERT JUNCTION
F&C F&G FDC FDN. FH FLDSTN GAR GD GI GIP GRAN GRAV GRD GV HDPE HDW HMA HOR HYD INV JCT	EXCAVATION FRAME AND COVER FRAME AND GRATE FIRE DEPARTMENT CONNECTION FOUNDATION FIRE HYDRANT FIELDSTONE GARAGE GROUND GUTTER INLET GALVANIZED IRON PIPE GRANITE GRAVEL GUARD GATE VALVE HIGH DENSITY POLYETHYLENE HEADWALL HOT MIX ASPHALT HORIZONTAL HYDRANT INVERT JUNCTION LENGTH OF CURVE
F&C F&G FDC FDN. FH FLDSTN GAR GD GI GIP GRAN GRAV GRD GV HDPE HDW HMA HOR HYD INV JCT L	EXCAVATION FRAME AND COVER FRAME AND GRATE FIRE DEPARTMENT CONNECTION FOUNDATION FIRE HYDRANT FIELDSTONE GARAGE GROUND GUTTER INLET GALVANIZED IRON PIPE GRANITE GRAVEL GUARD GATE VALVE HIGH DENSITY POLYETHYLENE HEADWALL HOT MIX ASPHALT HORIZONTAL HYDRANT INVERT JUNCTION LENGTH OF CURVE LEACH BASIN
F&C F&G FDC FDN. FH FLDSTN GAR GD GI GIP GRAN GRAV GRD GV HDPE HDW HMA HOR HYD INV JCT L LB LP	EXCAVATION FRAME AND COVER FRAME AND GRATE FIRE DEPARTMENT CONNECTION FOUNDATION FIRE HYDRANT FIELDSTONE GARAGE GROUND GUTTER INLET GALVANIZED IRON PIPE GRANITE GRAVEL GUARD GATE VALVE HIGH DENSITY POLYETHYLENE HEADWALL HOT MIX ASPHALT HORIZONTAL HYDRANT INVERT JUNCTION LENGTH OF CURVE
F&C F&G FDC FDN. FH FLDSTN GAR GD GI GIP GRAN GRAV GRD GV HDPE HDW HMA HOR HYD INV JCT L	EXCAVATION FRAME AND COVER FRAME AND GRATE FIRE DEPARTMENT CONNECTION FOUNDATION FIRE HYDRANT FIELDSTONE GARAGE GROUND GUTTER INLET GALVANIZED IRON PIPE GRANITE GRAVEL GUARD GATE VALVE HIGH DENSITY POLYETHYLENE HEADWALL HOT MIX ASPHALT HORIZONTAL HYDRANT INVERT JUNCTION LENGTH OF CURVE LEACH BASIN LIGHT POLE
F&C F&G FDC FDN. FH FLDSTN GAR GD GI GIP GRAN GRAV GRD GV HDPE HDW HMA HOR HYD INV JCT L LB LP LT	EXCAVATION  FRAME AND COVER  FRAME AND GRATE  FIRE DEPARTMENT CONNECTION  FOUNDATION  FIRE HYDRANT  FIELDSTONE  GARAGE  GROUND  GUTTER INLET  GALVANIZED IRON PIPE  GRANITE  GRAVEL  GUARD  GATE VALVE  HIGH DENSITY POLYETHYLENE  HEADWALL  HOT MIX ASPHALT  HORIZONTAL  HYDRANT  INVERT  JUNCTION  LENGTH OF CURVE  LEACH BASIN  LIGHT POLE
F&C F&G FDC FDN. FH FLDSTN GAR GD GI GIP GRAN GRAV GRD GV HDPE HDW HMA HOR HYD INV JCT L LB LP LT MAX	EXCAVATION  FRAME AND COVER  FRAME AND GRATE  FIRE DEPARTMENT CONNECTION  FOUNDATION  FIRE HYDRANT  FIELDSTONE  GARAGE  GROUND  GUTTER INLET  GALVANIZED IRON PIPE  GRANITE  GRAVEL  GUARD  GATE VALVE  HIGH DENSITY POLYETHYLENE  HEADWALL  HOT MIX ASPHALT  HORIZONTAL  HYDRANT  INVERT  JUNCTION  LENGTH OF CURVE  LEACH BASIN  LIGHT POLE  LEFT  MAXIMUM
F&C F&G FDC FDN. FH FLDSTN GAR GD GI GIP GRAN GRAV GRD GV HDPE HDW HMA HOR HYD INV JCT L LB LP LT MAX MB	EXCAVATION FRAME AND COVER FRAME AND GRATE FIRE DEPARTMENT CONNECTION FOUNDATION FIRE HYDRANT FIELDSTONE GARAGE GROUND GUTTER INLET GALVANIZED IRON PIPE GRANITE GRAVEL GUARD GATE VALVE HIGH DENSITY POLYETHYLENE HEADWALL HOT MIX ASPHALT HORIZONTAL HYDRANT INVERT JUNCTION LENGTH OF CURVE LEACH BASIN LIGHT POLE LEFT MAXIMUM MAILBOX
F&C F&G FDC FDN. FH FLDSTN GAR GD GI GIP GRAN GRAV GRD GV HDPE HDW HMA HOR HYD INV JCT L LB LP LT MAX MB MEG	EXCAVATION  FRAME AND COVER  FRAME AND GRATE  FIRE DEPARTMENT CONNECTION  FOUNDATION  FIRE HYDRANT  FIELDSTONE  GARAGE  GROUND  GUTTER INLET  GALVANIZED IRON PIPE  GRANITE  GRAVEL  GUARD  GATE VALVE  HIGH DENSITY POLYETHYLENE  HEADWALL  HOT MIX ASPHALT  HORIZONTAL  HYDRANT  INVERT  JUNCTION  LENGTH OF CURVE  LEACH BASIN  LIGHT POLE  LEFT  MAXIMUM  MAILBOX  MATCH EXISTING GRADE

NOT IN CONTRACT

O/S or OFF         O/S or OFF OFFSET           PB         PB PLAT BOOK           PC         PC PC POINT OF CURVATURE           PCC         POINT OF COMPOUND CURVATURE           PGL         PROFILE GRADE LINE           PI         POINT OF INTERSECTION           PIV         POST INDICATOR VALVE           POC         POINT ON CURVE           POT         POINT ON CURVE           POT         POINT ON TANGENT           PRC         POINT OF REVERSE CURVATURE           PROJ         PROPOSED           PT         POINT OF TANGENCY           PVC         POINT OF VERTICAL CURVATURE           PVI         POINT OF VERTICAL INTERSECTION           PVT         POINT OF VERTICAL TANGENCY           PVWT         POINT OF VERTICAL CURVATURE           PVW         POINT OF VERTICAL CURVATURE           PVW         POINT OF VERTICAL CURVATURE           PV         POINT OF VERTICAL CURVE/TAUCK           REAL         REMOVE AND DISPOSE           RCP         REINFORCED CONCRETE PIPE           RD <t< th=""><th>DESCRIPTION NO.</th><th>ABBREVIATION  NO. NUMBER</th></t<>	DESCRIPTION NO.	ABBREVIATION  NO. NUMBER
PB PB PLAT BOOK PC PC POINT OF CURVATURE PCC POINT OF COMPOUND CURVATURE PGC. POINT OF COMPOUND CURVATURE PGC. POINT OF COMPOUND CURVATURE PGL. PROFILE GRADE LINE PI POINT OF INTERSECTION PIV POST INDICATOR VALVE POC POINT ON CURVE POC POINT ON TANGENT PRC POINT OF REVERSE CURVATURE PROJ PROJECT PROP PROPOSED PT POINT OF TANGENCY PVC POINT OF VERTICAL CURVATURE PVI POINT OF VERTICAL INTERSECTION PVT POINT OF VERTICAL TANGENCY PVW PAVEMENT PWW PAVEMENT PWW PAVED WATER WAY R RADIUS OF CURVATURE RBD ROAD RCW REINFORCED CONCRETE PIPE RD ROAD RDWY ROADWAY REM REMOVE RET RETAIN RET WALL RETAINING WALL ROW RIGHT OF WAY RR RAILROAD R&R REMOVE AND RESET RSGV RESILIENT SEAT GATE VALVE RT RIGHT RW RIGHT OF WAY SHLD SHOULDER SMH SEWER MANHOLE ST STREET STA STATION SSD STOPPING SIGHT DISTANCE SW SIDEWALK T TANGENT DISTANCE OF CURVE/TRUCK TAN TANGENT TEMP TEMPORARY TC TOP OF CURB TOP OF BANK TOS TOP OF BANK TOS TOP OF SLOPE TSV TAPPING SLEEVE AND VALVE TYP TYPICAL UP UTILITY POLE VAR VARIES VERT VERTICAL VC VERTICAL CURVE WOR WHEEL CHAIR RAMP WIP WROUGHT IRON PIPE WM WATER METERWATER MAIN		
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LINE WEIGHTS			
EXISTING	SHADED LINES & TEXT DENOTE EXISTING EQUIPMENT AND STRUCTURES.		
FUTURE	NON-SHADED DASHED LINES & TEXT DENOTE FUTURE EQUIPMENT, STRUCTURES AND WORK.		
PROPOSED / CONSTRUCT	NON-SHADED, BOLD, SOLID LINES & TEXT DENOTE PROPOSED EQUIPMENT, STRUCTURES AND WORK.		

NOTE: THIS IS A STANDARD LEGEND SHEET. NOT ALL ITEMS ARE PERTINENT TO THIS SET OF DRAWINGS

Pompano Beach, FL 33060 PH: (954) 788-3400

Florida Engineering Business License: CA7928 Florida Surveyor and Mapper Business License: LB6860 Florida Landscape Architecture Business License: LC26000457 **REVISIONS** 

DATE NO. DESCRIPTION

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE: 05/16/2025 **DESIGNED BY:** DRAWN BY: CD NW CHECKED BY: BID-CONTRACT:

This item has been digitally signed and sealed by NILES T. WARRICK, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

NILES T. WARRICK, P.E. FLORIDA REG. NO. 94320 (FOR THE FIRM)

CLIENT

**CITY OF PARKLAND** 

PROJECT

PINE TREE **ESTATES GUARDRAIL DESIGN** 

DOCUMENTS

SHEET TITLE

**LEGENDS AND ABBREVIATIONS** 

SHEET NUMBER **GI-001** PROJECT NUMBER 13430.10

- SPECIFIC SITE NOTES
- 1.1. COUNTY AND "CITY" IN THESE NOTES REFERS TO COUNTY AND CITY IN WHICH PROJECT RESIDES.
- 1.2. STATE IN THESE NOTES REFERS TO THE STATE OF FLORIDA.
- 1.3. EXISTING TOPOGRAPHIC INFORMATION IN THE PLANS IS BASED ON SURVEY DATA AND BEST AVAILABLE INFORMATION. SEE PROJECT SURVEY AND NOTES ON PLAN SHEETS REGARDING THE SOURCE OF THE TOPOGRAPHIC INFORMATION.
- 2. <u>APPLICABLE CODES</u>
- 2.1. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY, COUNTY, AND ALL OTHER JURISDICTIONAL, STATE AND NATIONAL CODES WHERE APPLICABLE.
- 2.2. IN THE EVENT OF A CONFLICT BETWEEN THE GENERAL NOTES AND CONSTRUCTION SPECIFICATIONS IN THESE PLANS, AND THE CONTRACT DOCUMENTS AND SPECIFICATIONS IN THE SPECIFICATION BOOKLET, THE CONTRACTOR SHALL SUBMIT WRITTEN REQUEST FOR CLARIFICATION.
- 2.3. ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER AND IN STRICT COMPLIANCE WITH ALL THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AND ALL STATE AND JURISDICTIONAL SAFETY AND HEALTH REGULATIONS.
- 2.4. THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH FEDERAL, STATE, COUNTY, AND CITY LAWS, CODES, AND REGULATIONS.
- 2.5. ALL HANDICAP ACCESSIBLE AREAS TO CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA), STATE ADA CODES, AND FLORIDA BUILDING CODE ADA CODES LATEST EDITION.
- 2.6. TRENCH SAFETY ACT
- 2.6.1. ALL TRENCH EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH CHAPTER 90-96 OF THE LAWS OF FLORIDA (THE TRENCH SAFETY ACT).
- 2.6.2. ALL TRENCH EXCAVATION IN EXCESS OF 5 FEET IN DEPTH SHALL BE UNDERTAKEN IN ACCORDANCE WITH O.S.H.A. STANDARD 29 CFR. SECTION 1926.650 SUBPART P.
- 2.6.3. THE CONTRACTOR SHALL SUBMIT WITH HIS CONTRACT A COMPLETED, SIGNED, AND NOTARIZED COPY OF THE TRENCH SAFETY ACT COMPLIANCE STATEMENT. THE CONTRACTOR SHALL ALSO SUBMIT A SEPARATE COST ITEM IDENTIFYING THE COST OF COMPLIANCE WITH THE APPLICABLE TRENCH SAFETY CODES.
- 2.6.4. A TRENCH SAFETY SYSTEM, IF REQUIRED, SHALL BE DESIGNED BY THE EXCAVATION CONTRACTOR UTILIZING A SPECIALTY ENGINEER AS REQUIRED.
- CONSTRUCTION NOTES:
- 3.1. CONTRACTOR SHALL TIE TO EXISTING GRADE BY EVENLY SLOPING FROM CLOSEST PROPOSED GRADE PROVIDED TO EXISTING GRADE AT LIMITS OF CONSTRUCTION, UNLESS OTHERWISE NOTED ON THE PLANS. IF NO LIMIT OF WORK LINE IS INDICATED, SLOPE TO ADJACENT PROPERTY LINE OR RIGHT-OF-WAY LINE, AS APPLICABLE.
- 3.2. UNLESS OTHERWISE INDICATED ON THE PLANS, ALL EXISTING MANHOLES, CATCH BASINS, METERS AND OTHER STRUCTURES. WHETHER INDICATED ON THE PLANS OR NOT SHALL BE ADJUSTED TO MATCH THE NEW GRADE, BY THE CONTRACTOR
- 3.3. THE CURB SHALL BE SLOPED TO ACCOMMODATE THE NEW PAVEMENT, CATCH BASIN AND GRATE, AND THE SURFACE FLOW
- 3.4. THE CONTRACTOR SHALL USE CARE WHEN CUTTING THE EXISTING ASPHALT PAVEMENT AND DURING EXCAVATIONS, SO THAT THE EXISTING CATCH BASINS AND GRATES THAT ARE TO REMAIN WILL NOT BE DAMAGED.
- 3.5. THE CONTRACTOR SHALL MAINTAIN THE ROADWAY SLOPE WHEN RESURFACING THE ROADWAY. THE EDGE OF PAVEMENT SHALL MATCH THE NEW GUTTER LIP PER FDOT INDEX 520-001.
- 3.6. THE NEW SIDEWALK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GIVEN ELEVATIONS AND AT THE PROPER SLOPES DEPICTED IN THE SPECIFICATIONS, DETAILS AND STANDARDS. EXISTING DRIVEWAYS AND OTHER FEATURES SHALL BE MATCHED WHEN POSSIBLE AS DIRECTED BY THE ENGINEER.
- 3.7. RADII SHOWN ARE TO THE EDGE OF PAVEMENT.
- 3.8. ALL BENCH MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED AND REFERENCED BY THE CONTRACTOR IN THE SAME WAY AS PUBLIC LAND CORNERS.
- 3.9. ALL EXCESS MATERIAL IS TO BE DISPOSED BY THE CONTRACTOR WITHIN 72 HOURS.
- 3.10. IN AREAS WHERE THE BASE IS EXPOSED BY THE MILLING OPERATION, THE CONTRACTOR SHALL RESTORE THE BASE TO ITS ORIGINAL THICKNESS AND STRUCTURAL CAPACITY BEFORE PAVING OVER SUCH AREAS. THIS INCLUDES BUT IS NOT LIMITED TO RESTORING ORIGINAL DEGREE OF COMPACTION, MOISTURE CONTENT, COMPOSITION, STABILITY, AND INTENDED SLOPE. IF PAVING WILL NOT TAKE PLACE THE SAME DAY THE BASE IS EXPOSED AND REWORKED, THE BASE SHALL BE SEALED ACCORDING TO THE GOVERNING STANDARDS AND SPECIFICATIONS. ANY ADDITIONAL WORK RESULTING FROM THE CONTRACTOR'S FAILURE TO PROTECT THE EXPOSED BASE AS STATED ABOVE IN ORDER TO RESTORE THE ORIGINAL STRUCTURAL CAPACITY SHALL BE THE CONTRACTOR'S COST.
- 3.11. THE CONTRACTOR IS TO MAINTAIN EXISTING SIGNAGE DURING CONSTRUCTION OPERATIONS, IN ORDER TO FACILITATE EMERGENCY VEHICLE TRAFFIC.

- 3.12. THE TOPOGRAPHIC SURVEY INCLUDED WITH THIS SET OF PLANS REFLECTS PRE-DEMOLITION CONDITIONS AND DOES NOT REFLECT THE SITE CONDITIONS AFTER DEMOLITION. THE CONTRACTOR IS FULLY AND SOLELY RESPONSIBLE IN DETERMINING THE REQUIRED EARTHWORK FOR THE PROPOSED DEVELOPMENT OF THE SITE. THIS INCLUDES, BUT IS NOT LIMITED TO, ANY EXCAVATION/DREDGE AND FILL ACTIVITIES REQUIRED AT ANY PHASE OF THE PROJECT. THE CONTRACTOR SHALL USE THE FINAL APPROVED (RELEASED FOR CONSTRUCTION) PLANS, SURVEYS, GEOTECHNICAL REPORTS, AND ANY OTHER AVAILABLE INFORMATION FOR DETERMINING THE AMOUNT OF EXCAVATION/DREDGING AND FILLING REQUIRED. ANY QUANTITIES INCLUDED IN THE APPROVED PERMITS WERE ESTIMATED BY THE ENGINEER FOR PURPOSES OF OBTAINING THE PERMIT AND UNDER NO CIRCUMSTANCES SHALL BE USED BY THE CONTRACTOR IN LIEU OF PERFORMING THEIR OWN EARTHWORK CALCULATIONS REQUIRED FOR COST ESTIMATING AND BIDDING THE PROJECT.
- 3.13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR READING AND FAMILIARIZING THEMSELVES WITH ANY AND ALL AVAILABLE GEOTECHNICAL REPORTS PREPARED BY OTHERS AND/OR ANY RECOMMENDATIONS WRITTEN OR IMPLIED BY THE GEOTECHNICAL ENGINEER FOR THIS PROJECT. THE GEOTECHNICAL CONDITIONS AND RECOMMENDATIONS OUTLINED IN THESE REPORTS ARE IN FORCE AND IN FULL EFFECT AS PART OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL THE WORK ASSOCIATED WITH THIS PROJECT IS IN COMPLIANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. KEITH AND ASSOCIATES, INC. IS NOT RESPONSIBLE FOR THE SUITABILITY OR UNSUITABILITY OF THE SOILS ENCOUNTERED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE MEANS AND METHODS OF CONSTRUCTION USED CAN AND WILL ALLOW FOR THE SUCCESSFUL COMPLETION OF THE REQUIRED SITE IMPROVEMENTS.
- 3.14. THE CONTRACTOR SHALL ENSURE THAT THE AVAILABLE GEOTECHNICAL INFORMATION IS SUFFICIENT FOR HIS COMPLETE UNDERSTANDING OF THE SOIL CONDITIONS FOR THE SITE. IF ADDITIONAL GEOTECHNICAL INVESTIGATION IS REQUIRED BY THE CONTRACTOR, THIS ADDITIONAL WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- 3.15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RESTORATION OF EXISTING PAVEMENT, PIPES, CONDUITS, SPRINKLER HEADS, CABLES, ETC., AND LANDSCAPED AREAS DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS AND/OR THOSE OF HIS SUBCONTRACTORS AND SHALL RESTORE AT NO ADDITIONAL COST.
- 3.16. THE CONTRACTOR SHALL NOT BRING ANY HAZARDOUS MATERIALS ONTO THE PROJECT. SHOULD THE CONTRACTOR REQUIRE SUCH FOR PERFORMING THE CONTRACTED WORK, THE CONTRACTOR SHALL REQUEST, IN WRITING, PERMISSION FROM THE OWNER, CITY AND ENGINEER. THE CONTRACTOR SHALL PROVIDE THE OWNER, CITY AND ENGINEER WITH A COPY OF THE MATERIAL SAFETY DATA SHEET (MSDS) FOR EACH HAZARDOUS MATERIAL PROPOSED FOR USE. THE PROJECT ENGINEER SHALL COORDINATE WITH THE OWNER AND CITY PRIOR TO ISSUING WRITTEN APPROVAL TO THE CONTRACTOR.
- 3.17. ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE CITY AND/OR ENGINEER, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE CITY AND/OR ENGINEER ARE TO NOTIFY THE OWNER/ENGINEER OF THE DISCOVERY. THE OWNER/ENGINEER WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION, AND REMEDIATION OF THE HAZARDOUS MATERIAL. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY
- 3.18. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE CITY. COUNTY, OR STATE ENGINEERING INSPECTOR AND ENGINEER 48 HOURS IN ADVANCE OF THE EVENT TO NOTIFY THE CITY OF CONSTRUCTION START UP, OR TO SCHEDULE ALL REQUIRED TESTS AND INSPECTIONS INCLUDING FINAL WALK-THROUGHS.
- 4. PRECONSTRUCTION RESPONSIBILITIES
- 4.1. ALL UTILITY / ACCESS EASEMENTS TO BE SECURED PRIOR TO CONSTRUCTION.
- 4.2. NO CONSTRUCTION MAY COMMENCE UNTIL THE APPROPRIATE PERMITS HAVE BEEN OBTAINED FROM ALL MUNICIPAL, STATE, COUNTY, AND FEDERAL AGENCIES AND A PRE-CONSTRUCTION MEETING HAS BEEN CONDUCTED.
- 4.3. ALL REQUIRED GOVERNMENTAL AGENCY BUILDING PERMITS TO BE OBTAINED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION
- 4.4. CONTRACTOR TO COORDINATE CONSTRUCTION SCHEDULING FOR CONNECTION TO THE EXISTING WATER AND SEWER LINES WITH THE UTILITY DEPARTMENT THAT OWNS AND/OR MAINTAINS THE WATER AND SEWER LINES.
- 4.5. PRIOR TO THE START OF CONSTRUCTION, THE OWNER SHALL SUBMIT AN NPDES CONSTRUCTION GENERAL PERMIT (CGP) "NOTICE OF INTENT (N.O.I.) TO USE GENERIC PERMIT FOR STORM WATER DISCHARGE FROM CONSTRUCTION ACTIVITIES FORM (DEP FORM 62-621.300(4)(B)) TO FDEP NOTICES CENTER. THE CONTRACTOR WILL BE RESPONSIBLE FOR (1) IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) THAT WAS REQUIRED TO BE DEVELOPED PRIOR TO NOI SUBMITTAL, AND (2) RETENTION OF RECORDS REQUIRED BY THE PERMIT, INCLUDING RETENTION OF A COPY OF THE SWPPP AT THE CONSTRUCTION SITE FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL SITE STABILIZATION. A "NOTICE OF TERMINATION (N.O.T.) OF GENERIC PERMIT COVERAGE" FORM (DEP FORM 62-621.300(6)) MUST BE SUBMITTED TO FDEP TO DISCONTINUE PERMIT COVERAGE, SUBSEQUENT TO COMPLETION OF CONSTRUCTION. FOR ADDITIONAL INFORMATION SEE FDEP WEBSITE: HTTP://FLORIDADEP.GOV/WATER/STORMWATER.

4.6. PRIOR TO CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AS REQUIRED FOR THE FOLLOWING ITEMS LISTED BELOW, BUT NOT LIMITED TO:

• DRAINAGE: CATCH BASINS, MANHOLES, HEADWALLS,

- GRATES/TOPS, YARD DRAINS. • WATER: FIRE HYDRANTS, VALVES, BACKFLOW PREVENTER, DDCV,
- SEWER: MANHOLES, LIFT STATIONS (WETWELL, HATCHES, VALVES,
- PUMP DATA, ELECTRICAL PANEL) 4.6.1 CATALOGUE LITERATURE SHALL BE SUBMITTED FOR DRAINAGE, WATER AND SEWER PIPES, FITTINGS, AND APPURTENANCES.
- 4.6.2 PRIOR TO SUBMITTING SHOP DRAWINGS TO THE ENGINEER, THE CONTRACTOR SHALL REVIEW AND APPROVE THE DRAWINGS, AND SHALL NOTE IN RED ANY DEVIATIONS FROM THE ENGINEER'S PLANS OR SPECIFICATIONS.
- 4.6.3 INDIVIDUAL SHOP DRAWINGS FOR ALL PRECAST STRUCTURES ARE REQUIRED. CATALOGUE LITERATURE WILL NOT BE ACCEPTED FOR PRECAST STRUCTURES.
- 4.7 CONTRACTOR TO SUBMIT MAINTENANCE OF TRAFFIC PLAN(S) IN ACCORDANCE WITH APPROPRIATE CITY, COUNTY, OR STATE REQUIREMENTS, AND SUBMIT FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
- 5. <u>INSPECTIONS / TESTING:</u>
- 5.1. THE CONTRACTOR SHALL NOTIFY IN WRITING THE OWNER, CITY, COUNTY, ENGINEER OF RECORD, AND ANY OTHER GOVERNMENTAL AGENCIES HAVING JURISDICTION AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION AND PRIOR TO REQUIRED INSPECTIONS OF THE FOLLOWING ITEMS, WHERE APPLICABLE:
- CLEARING AND EARTHWORK
- STORM DRAINAGE SYSTEMS
- SANITARY SEWER SYSTEMS • WATER DISTRIBUTION SYSTEMS
- SUBGRADE
- LIMEROCK BASE • ASPHALT OR CONCRETE PAVEMENT
- SIDEWALKS, CONCRETE FLATWORK/CURBING
- LANDSCAPING • PAVEMENT MARKING AND SIGNAGE
- SIGNALIZATION
- SITE LIGHTING
- ELECTRICAL AND COMMUNICATION LINES
- UTILITY CONDUITS
- IRRIGATION
- 5.2 THE OWNER, ENGINEER, AND JURISDICTIONAL PERMITTING AGENCIES MAY MAKE INSPECTIONS OF THE WORK AT ANY TIME. THE CONTRACTOR SHALL COOPERATE FULLY WITH ALL INSPECTIONS.
- 5.3 TESTING ALL TESTING REQUIRED BY THE PLANS AND SPECIFICATIONS SHALL BE PERFORMED BY A LICENSED / FDOT QUALIFIED TESTING COMPANY. REQUIRED TEST FOR ASPHALT AND LIMEROCK SHALL BE TAKEN AT THE DIRECTION OF THE ENGINEER OR THE JURISDICTIONAL GOVERNMENTAL AGENCY IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
- 6. TEMPORARY FACILITIES
- 6.1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES, COMMUNICATIONS, AND ELECTRICITY, FOR HIS OPERATIONS AND WORKS, COST INCLUDED UNDER MOBILIZATION.
- 6.2. CONTRACTOR SHALL CONSTRUCT TEMPORARY FENCING TO SECURE CONSTRUCTION AREAS AT ALL TIMES, COST INCLUDED IN MOBILIZATION.
- 6.3. CONTRACTOR TO OBTAIN A SECURE STAGING AREA AND OBTAIN ALL NECESSARY APPROVALS FROM THE OWNER.
- 6.4. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN TEMPORARY LIGHTING AS REQUIRED TO LIGHT THE CONSTRUCTION PROJECT LIMITS AT ALL TIMES, TO AT LEAST THE SAME LIGHTING INTENSITY LEVELS AS THE EXISTING CONDITIONS.
- 6.5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES AT ALL TIMES.
- 7. PROJECT PROGRESS AND CLOSEOUT
- 7.1. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER, AND UPON FINAL CLEAN-UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE BROOM SWEPT CLEAN.
- 7.2. THE CONTRACTOR SHALL RESTORE OR REPLACE ANY PUBLIC OR PRIVATE PROPERTY (SUCH AS HIGHWAY, DRIVEWAY, WALKWAY, AND LANDSCAPING), DAMAGED BY HIS WORK, EQUIPMENT, OR EMPLOYEES, TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF CONSTRUCTION. SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH
- 7.3. MATERIAL OR DEBRIS SHALL BE HAULED IN ACCORDANCE WITH NPDES PERMIT AND JURISDICTIONAL LAWS.
- 7.4. ALL LAND SURVEY PROPERTY MONUMENTS OR PERMANENT REFERENCE MARKERS, REMOVED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED BY A STATE OF FLORIDA REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- 7.5. ALL UNPAVED SURFACES DISTURBED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE GRADED, SODDED, & RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED BEFORE THE CONSTRUCTION.
- 8. PROJECT RECORD DOCUMENTS:
- 8.1. DURING THE DAILY PROGRESS OF THE JOB. THE CONTRACTOR SHALL RECORD ON HIS SET OF CONSTRUCTION DRAWINGS THE LOCATION, LENGTH, MATERIAL AND ELEVATION OF ANY FACILITY NOT BUILT ACCORDING TO PLANS. THIS COPY OF THE "AS-BUILT" SHALL BE SUBMITTED TO ENGINEER FOR PROJECT RECORD.
- 8.2. UPON COMPLETION OF DRAINAGE IMPROVEMENTS AND LIMEROCK

- BASE CONSTRUCTION (AT LEAST 48 HOURS BEFORE PLACING ASPHALT PAVEMENT) THE CONTRACTOR SHALL FURNISH THE ENGINEER OF RECORD "AS-BUILT" PLANS FOR THESE IMPROVEMENTS, SHOWING THE LOCATIONS AND PERTINENT GRADES OF ALL DRAINAGE INSTALLATIONS AND THE FINISHED ROCK GRADES OF THE ROAD CROWN AND EDGES OF PAVEMENT AT 50 FOOT INTERVALS, INCLUDING LOCATIONS AND ELEVATIONS OF ALL HIGH AND LOW POINTS.
- 8.3. UPON COMPLETION OF CONSTRUCTION. AND PRIOR TO FINAL ACCEPTANCE, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD ONE COMPLETE SET OF ALL "AS-BUILT" CONTRACT DRAWINGS. THESE DRAWINGS SHALL BE MARKED TO SHOW "AS-BUILT" CONSTRUCTION CHANGES, DIMENSIONS, LOCATIONS, AND ELEVATIONS OF ALL IMPROVEMENTS.
- 8.4. "AS-BUILT" DRAWINGS OF WATER LINES AND FORCE MAINS SHALL INCLUDE THE FOLLOWING INFORMATION:
- 8.4.1. TOP OF PIPE ELEVATIONS EVERY 100 LF.
- 8.4.2. LOCATIONS AND ELEVATIONS OF ALL FITTINGS INCLUDING BENDS, TEES, GATE VALVES, DOUBLE DETECTOR CHECK VALVES, FIRE HYDRANTS, AND APPURTENANCES.
- 8.4.3. ALL CONNECTIONS TO EXISTING LINES.
- 8.4.4. ENDS OF ALL WATER SERVICES AT THE BUILDINGS WHERE THE WATER SERVICE TERMINATES.
- 8.5. "AS-BUILT" DRAWINGS OF GRAVITY SANITARY SEWER LINES SHALL INCLUDE THE FOLLOWING INFORMATION: 8.5.1. RIM ELEVATIONS, INVERT ELEVATIONS, LENGTH OF PIPING
- BETWEEN STRUCTURES, AND SLOPES. 8.5.2. THE STUB ENDS AND CLEANOUTS OF ALL SEWER LATERALS
- SHALL BE LOCATED HORIZONTALLY AND VERTICALLY. 8.6. "AS-BUILT" DRAWINGS OF ALL DRAINAGE LINES SHALL INCLUDE
- 8.6.1. RIM ELEVATION, INVERT ELEVATION, LENGTH OF PIPING BETWEEN STRUCTURES, AND CONTROL STRUCTURE ELEVATIONS IF APPLICABLE
- 8.6.2. THE SIZE OF THE LINES.

THE FOLLOWING INFORMATION:

- 8.6.3. DRAINAGE WELL STRUCTURE SHALL INCLUDE, BUT NOT BE LIMITED TO, TOP OF CASING ELEVATION, TOP AND BOTTOM ELEVATIONS OF THE STRUCTURE AND BAFFLE WALLS, RIM ELEVATIONS AND PIPE INVERTS.
- 8.7. "AS-BUILT" DRAWINGS OF CONSTRUCTION AREAS SHALL INCLUDE THE FOLLOWING:
- 8.7.1. ROCK ELEVATIONS AT ALL HIGH, AND LOW POINTS, AND AT ENOUGH INTERMEDIATE POINTS TO CONFIRM SLOPE CONSISTENCY.
- 8.7.2. ROCK ELEVATIONS AND CONCRETE BASE ELEVATIONS SHALL BE TAKEN AT ALL LOCATIONS WHERE THERE IS A FINISH GRADE ELEVATION SHOWN ON THE DESIGN PLANS.
- 8.7.3. ALL CATCH BASIN AND MANHOLE RIM ELEVATIONS.
- 8.7.4. FINISH GRADE ELEVATIONS IN ISLAND AREAS.
- 8.7.5. "AS-BUILT" ELEVATIONS SHALL BE TAKEN ON ALL PAVED AND UNPAVED SWALES, AT ENOUGH INTERMEDIATE POINTS TO CONFIRM SLOPE CONSISTENCY AND CONFORMANCE TO THE PLAN
- 8.7.6. LAKE AND CANAL BANK "AS-BUILT" DRAWINGS SHALL INCLUDE A KEY SHEET OF THE LAKE FOR THE LOCATION OF CROSS SECTIONS. LAKE AND CANAL BANK CROSS SECTIONS SHALL BE PLOTTED AT A MINIMUM OF EVERY 100 LF, UNLESS OTHERWISE SPECIFIED. "AS-BUILT" DRAWINGS SHALL CONSIST OF THE LOCATION AND ELEVATION OF THE TOP OF BANK, EDGE OF WATER, AND THE DEEP CUT LINE, WITH THE DISTANCE BETWEEN EACH SHOWN ON THE DRAWING.
- 8.7.7. RETENTION AREA "AS-BUILT" ELEVATIONS SHALL BE TAKEN AT THE BOTTOM OF THE RETENTION AREA AND AT THE TOP OF BANK. IF THERE ARE CONTOURS INDICATED ON THE DESIGN PLANS, THEN THEY SHALL BE INCLUDED IN "AS-BUILT" DRAWINGS AS WELL.
- 8.8. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PREPARE "AS-BUILT" DRAWINGS ON FULL SIZE, 24" X 36" SHEETS. ALL "AS-BUILT" INFORMATION SHALL BE PUT ON THE LATEST ENGINEERING DRAWINGS. A FULL SET OF PDF "AS-BUILT" DRAWINGS SHALL BE SUBMITTED. THESE DRAWINGS SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR.
- 8.9. AN ELECTRONIC COPY OF THESE "AS-BUILT" DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD IN AUTOCAD, VERSION 2008 OR LATER.
- 9. UTILITY NOTES
- 9.1. CONTRACTOR IS RESPONSIBLE FOR UTILITY VERIFICATION PRIOR TO FABRICATION.
- 9.2. THE CONTRACTOR IS ADVISED THAT PROPERTIES ADJACENT TO THE PROJECT HAVE ELECTRIC, TELEPHONE, GAS, WATER AND/OR SEWER SERVICE LATERALS WHICH MAY NOT BE SHOWN IN PLANS. THE CONTRACTOR MUST REQUEST THE LOCATION OF THESE LATERAL SERVICES FROM THE UTILITY COMPANIES.
- 9.3. THE CONTRACTOR SHALL USE HAND DIGGING WHEN EXCAVATING NEAR EXISTING UTILITIES. EXTREME CAUTION SHALL BE EXERCISED BY THE CONTRACTOR WHILE EXCAVATING, INSTALLING, BACKFILLING OR COMPACTING AROUND THE UTILITIES.
- 9.4. THE CONTRACTOR SHALL NOTIFY AND OBTAIN AN UNDERGROUND CLEARANCE FROM ALL UTILITY COMPANIES AND GOVERNMENTAL AGENCIES AT LEAST 48 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN A SUNSHINE811.COM CERTIFICATION CLEARANCE NUMBER AND FIELD MARKINGS AT LEAST 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION.
- •PRIOR TO COMMENCEMENT OF ANY EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUTE 553.851 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.

• ROADWAY JURISDICTIONAL ENGINEERING / PUBLIC WORKS

9.5 FOR STREET EXCAVATION OR CLOSING OR FOR ALTERATION OF ACCESS TO PUBLIC OR PRIVATE PROPERTY, THE CONTRACTOR SHALL NOTIFY:

- AUTHORITY.
- COUNTY TRANSIT AUTHORITY
- SCHOOL BOARD TRANSPORTATION AUTHORITY • JURISDICTIONAL FIRE DEPARTMENT DISPATCH
- JURISDICTIONAL POLICE DEPARTMENT(S) 9.6 THE CONTRACTOR SHALL USE EXTREME CAUTION WORKING UNDER, OVER, AND AROUND EXISTING ELECTRIC LINES. THE CONTRACTOR SHALL CONTACT THE ELECTRIC PROVIDER COMPANY TO VERIFY LOCATIONS, VOLTAGE, AND REQUIRED CLEARANCES, ONSITE, IN RIGHT-OF-WAYS, AND IN EASEMENTS,

PRIOR TO ANY CONSTRUCTION IN THE VICINITY OF EXISTING LINES.

- 9.7 LOCATION AND SIZE OF ALL EXISTING UTILITIES AND TOPOGRAPHY (FACILITIES) AS SHOWN ON CONSTRUCTION DRAWINGS ARE DRAWN FROM AVAILABLE RECORDS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE FACILITIES SHOWN OR FOR ANY FACILITY NOT SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION (VERTICAL & HORIZONTAL) OF ANY EXISTING UTILITIES AND TOPOGRAPHY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE ELEVATIONS AND LOCATIONS OF ALL EXISTING FACILITIES, IN COORDINATION WITH ALL UTILITY COMPANIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. IF AN EXISTING FACILITY IS FOUND TO CONFLICT WITH THE PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SO THAT APPROPRIATE MEASURES CAN BE TAKEN TO RESOLVE THE CONFLICT.
- 9.8 THE CONTRACTOR SHALL COORDINATE THE WORK WITH OTHER CONTRACTORS IN THE AREA AND ANY OTHER UNDERGROUND UTILITY COMPANIES REQUIRED. THE CONTRACTOR SHALL COORDINATE RELOCATION OF ALL EXISTING UTILITIES WITH APPLICABLE UTILITY COMPANIES.
- 10. SIGNING AND PAVEMENT MARKINGS
- 10.1. ALL SIGNING AND PAVEMENT MARKINGS INSTALLED AS PART OF THESE PLANS SHALL CONFORM TO THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), COUNTY TRAFFIC DESIGN STANDARDS AND FDOT DESIGN STANDARDS AS A MINIMUM CRITERIA.
- 10.2. MATCH EXISTING PAVEMENT MARKINGS AT THE LIMITS OF CONSTRUCTION.
- 10.3. REMOVAL OF THE EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY WATER BLASTING OR OTHER APPROVED METHODS DETERMINED BY THE ENGINEER.
- 10.4. INCORRECTLY PLACED PAINT OR THERMOPLASTIC PAVEMENT MARKINGS OVER FRICTION COURSE WILL BE REMOVED BY MILLING AND REPLACING THE FRICTION COURSE A MINIMUM WIDTH OF 18 IN AT THE CONTRACTOR'S EXPENSE. THE ENGINEER MAY APPROVE AN ALTERNATIVE METHOD IF IT CAN BE DEMONSTRATED TO COMPLETELY REMOVE THE MARKINGS WITHOUT DAMAGING THE ASPHALT.
- 10.5. PLACE ALL RETRO-REFLECTIVE PAVEMENT MARKERS IN ACCORDANCE WITH FDOT STANDARD INDEX 706-001 AND / OR AS SHOWN IN THE PLANS.
- 10.6. CAUTION SHOULD BE EXERCISED WHILE RELOCATING EXISTING SIGNS TO PREVENT UNNECESSARY DAMAGE TO SIGNS. IF THE SIGN IS DAMAGED BEYOND USE, AS DETERMINED BY THE ENGINEER, SIGNS SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- 10.7. ALL EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS SHALL BE REMOVED, STOCKPILED, AND RELOCATED BY THE CONTRACTOR. SIGN REMOVAL SHALL BE DIRECTED BY THE ENGINEER.
- 10.8. RELOCATED SIGN SUPPORT SYSTEM MUST MEET THE CURRENT DESIGN STANDARD.
- 10.9. THE CONTRACTOR SHALL PROVIDE AN INVENTORY OF EXISTING SIGNS TO REMAIN OR TO BE RELOCATED PRIOR TO STARTING THE JOB AND FORWARD THIS LIST TO THE ENGINEER. CONTRACTOR SHALL NOTIFY IF THERE ARE ANY MISSING OR DAMAGE SIGNS THAT THE PLANS SHOW TO REMAIN OR TO BE RELOCATED.
- 10.10. ALL ROADWAY PAVEMENT MARKINGS SHALL BE THERMOPLASTIC IN ACCORDANCE WITH FDOT SPECIFICATIONS SECTION 711.
- 10.11. HAND DIG THE FIRST FOUR FEET OF SIGN FOUNDATION.

THE LATEST FDOT STANDARD SPECIFICATIONS.

IV RETROREFLECTIVE SHEETING MATERIALS.

10.12. ALL SIGNS SHALL MEET ALL OF THE FOLLOWING: • MEET THE CRITERIA OUTLINED IN SECTION 2A.08 OF THE 2009 MUTCD

• MEET THE SPECIFICATIONS OUTLINED IN SECTION 700 AND 994 OF

- CONSIST OF MATERIALS CERTIFIED TO MEET THE RETROREFLECTIVE SHEETING REQUIREMENTS OUTLINED IN THE CURRENT VERSION OF ASTM D4956 FOR TYPE-XI RETROREFLECTIVE SHEETING MATERIALS MADE WITH PRISIMS, EXCEPT FOR SCHOOL ZONE AND PEDESTRIAN SIGNS WHICH SHALL BE COMPRISED OF RETROREFLECTIVE FLUORESCENT YELLOW-GREEN SHEETING CERTIFIED TO MEET ASTM D4956 TYPE
- CONSIST OF RETROREFLECTIVE SHEETING MATERIALS THAT HAVE A VALID FDOT APPROVED PRODUCT LIST (APL) CERTIFICATION FOR SPECIFICATION 700 HIGHWAY SIGNING FOR FDOT SHEETING TYPE XI (OR TYPE IV FOR SCHOOL AND PEDESTRIAN SIGNS).
- 10.13 PATCH ATTACHMENT HARDWARE, SUCH AS COUNTERSUNK SCREWS OR RIVET HEADS, WITH RETRO REFLECTIVE BUTTONS THAT MATCH THE COLOR AND SHEETING MATERIAL OF THE FINISHED SIGN PANEL INCLUDING THE BACKGROUND, LEGEND OR
- 10.14 ENSURE THE OUTSIDE CORNER OF SIGN IS CONCENTRIC WITH BORDER. ENSURE WHITE BORDERS ARE MOUNTED PARALLEL TO THE EDGE OF THE SIGN. ENSURE BLACK BORDERS ARE RECESSED FROM THE EDGE OF THE SIGN.
- 10.15 LAYOUT PERMANENT FINAL STRIPING THAT LEAVES NO VISIBLE MARKS AT TIME OF FINAL ACCEPTANCE.

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Florida Surveyor and Mapper Business License: LB6860

Florida Landscape Architecture Business License: LC26000457 REVISIONS DESCRIPTION DATE

**RESPONSIBILITY FOR THE USE OF THESE** PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE

05/16/2025 DESIGNED BY: IDRAWN BY: CHECKED BY: BID-CONTRACT: CENSE CH WARRICK, P.E.

**ISSUE DATE:** 

signed and sealed must be verified on any electronic copies.

**NILES T. WARRICK. P.E.** 

FLORIDA REG. NO. 94320

(FOR THE FIRM)

adjacent to the  $\geq \star$  05/22/2025

No. 94320

CLIENT

CITY OF PARKLAND

PROJECT

PINE TREE **ESTATES GUARDRAIL** DESIGN

DOCUMENTS

SHEET TITLE

NUMBER

**GENERAL** CONSTRUCTION NOTES |

**GI-002 NUMBER** 13430.10

SECTION 20 - GENERAL SPECIFICATIONS PAVING GRADING DRAINAGE AND

- 20. GENERAL
- 20.1. IT IS THE INTENT OF THESE SPECIFICATIONS TO DESCRIBE THE MINIMUM ACCEPTABLE TECHNICAL REQUIREMENTS FOR THE MATERIALS AND WORKMANSHIP FOR CONSTRUCTION OF SITE IMPROVEMENTS FOR THIS PROJECT. SUCH IMPROVEMENTS MAY GENERALLY INCLUDE, BUT NOT TO BE LIMITED TO, CLEARING, GRADING, PAVING, REMOVAL OF EXISTING PAVEMENT STORM DRAINAGE, WATER LINES AND SANITARY SEWERS.
- 20.2. IT IS THE INTENT THAT THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION: (CURRENT EDITION) TOGETHER WITH "SUPPLEMENTAL SPECIFICATIONS TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (CURRENT EDITION), AND THE FDOT STANDARD PLANS FOR ROAD CONSTRUCTION (CURRENT EDITION) BE USED WHERE APPLICABLE FOR THE VARIOUS WORK, AND THAT WHERE SUCH WORDING THEREIN REFERS TO THE STATE OF FLORIDA AND ITS DEPARTMENT OF TRANSPORTATION AND PERSONNEL, SUCH WORDING IS INTENDED TO BE REPLACED WITH THE WORDING WHICH WOULD PROVIDE PROPER TERMINOLOGY; THEREBY MAKING SUCH "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" TOGETHER WITH THE "FDOT STANDARD PLANS FOR ROAD CONSTRUCTION" AS THE "STANDARD SPECIFICATIONS" FOR THIS PROJECT. IF WITHIN A PARTICULAR SECTION, ANOTHER SECTION, ARTICLE OR PARAGRAPH IS REFERRED TO, IT SHALL BE PART OF THE STANDARD SPECIFICATIONS ALSO. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL AND STATE LAWS, REGULATIONS AND BUILDING CODES WHICH HAVE JURISDICTION IN THE AREA.
- 20.3. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT AND PERFORM ALL OPERATIONS REQUIRED TO COMPLETE THE CONSTRUCTION OF A PAVING AND DRAINAGE SYSTEM AS SHOWN ON THE PLANS, SPECIFIED HEREIN, OR BOTH. IT IS THE INTENT TO PROVIDE A COMPLETE AND OPERATING FACILITY IN ACCORDANCE WITH THESE SPECIFICATIONS AND THE CONSTRUCTION DRAWINGS. THE MATERIAL AND EQUIPMENT SHOWN OR SPECIFIED SHALL NOT BE TAKEN TO EXCLUDE ANY OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK.
- 20.4. ALL LABOR, MATERIALS, AND METHODS OF CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE PLANS AND CONSTRUCTION SPECIFICATIONS AND THE MINIMUM ENGINEERING AND CONSTRUCTION STANDARDS ADOPTED BY THE UNIT OF GOVERNMENT WHICH HAS JURISDICTION AND RESPONSIBILITY FOR THE CONSTRUCTION. WHERE CONFLICTS OR OMISSIONS EXIST, THE JURISDICTIONAL GOVERNMENT ENGINEERING DEPARTMENT'S STANDARDS SHALL GOVERN. SUBSTITUTIONS AND DEVIATIONS FROM PLANS AND SPECIFICATIONS SHALL BE PERMITTED ONLY WHEN WRITTEN APPROVAL HAS BEEN ISSUED BY THE ENGINEER.
- 20.5. GUARANTEE ALL MATERIALS AND EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR UNDER THIS CONTRACT, SHALL BE GUARANTEED FOR A PERIOD OF (1) ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE THEREOF, AGAINST DEFECTIVE MATERIALS, DESIGN AND WORKMANSHIP. UPON RECEIPT OF NOTICE FROM THE OWNER OF FAILURE OF ANY PART OF THE GUARANTEED EQUIPMENT OR MATERIALS, DURING THE GUARANTEE PERIOD, THE AFFECTED PART OR MATERIALS SHALL BE REPLACED PROMPTLY WITH NEW PARTS OR MATERIALS BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER. IN THE EVENT THE CONTRACTOR FAILS TO MAKE NECESSARY REPLACEMENT OR REPAIRS WITHIN (7) SEVEN DAYS AFTER NOTIFICATION BY THE OWNER, THE OWNER MAY ACCOMPLISH THE WORK AT THE EXPENSE OF THE CONTRACTOR.
- 21. EARTHWORK
- 21.1. ALL AREAS WITHIN THE PROJECT LIMITS SHALL BE CLEARED AND GRUBBED PRIOR TO CONSTRUCTION. THIS SHALL CONSIST OF THE COMPLETE REMOVAL AND DISPOSAL OF ALL TREES, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH AND ALL OTHER OBSTRUCTIONS RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE EXISTING GROUND TO A DEPTH OF 1'. ALL WORK SHALL BE IN ACCORDANCE WITH SECTION 110 OF THE STANDARD SPECIFICATIONS.
- 21.2. NONE OF THE EXISTING LIMEROCK MATERIAL FROM DEMOLISHED PAVEMENT IS TO BE INCORPORATED IN THE NEW LIMEROCK BASE, UNLESS NOTED IN PLANS. THE EXISTING LIMEROCK MATERIAL FROM DEMOLISHED PAVEMENT MAY BE INCORPORATED INTO THE STABILIZED SUBGRADE / SUBBASE, OR STABILIZED SHOULDER.
- 21.3. FILL MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 120 AND 125 OF THE STANDARD SPECIFICATIONS.
- 21.4. ALL FILL MATERIAL IN AREAS NOT TO BE PAVED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99.
- 21.5. ALL MATERIAL OF CONSTRUCTION SHALL BE SUBJECT TO INSPECTION AND TESTING TO ESTABLISH CONFORMANCE WITH THE SPECIFICATIONS AND SUITABLY FOR THE USES INTENDED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 24 HOURS PRIOR TO THE TIME CONTRACTOR WILL BE READY FOR AN INSPECTION OR TEST. THE CONTRACTOR SHALL FOLLOW CITY AND COUNTY INSPECTION PROCEDURES. THE CONTRACTOR SHALL NOT PROCEED WITH ANY PHASE OF WORK DEPENDENT ON AN INSPECTION OR TEST OF AN EARLIER PHASE OF WORK, PRIOR TO THAT TEST OR INSPECTION PASSING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CERTIFIED MATERIAL TEST RESULTS TO THE ENGINEER OF RECORD PRIOR TO THE RELEASE OF FINAL CERTIFICATION BY THE ENGINEER. TEST RESULTS MUST INCLUDE, BUT MAY NOT BE LIMITED TO, DENSITIES FOR SUBGRADE AND LIMEROCK, UTILITIES, EXCAVATION, ASPHALT GRADATION REPORTS, CONCRETE CYLINDERS, ETC.
- 21.6. WHEN MUCK, CLAY, ROCK, OR ANY OTHER MATERIAL THAT IS UNSUITABLE IN ITS ORIGINAL POSITION ARE ENCOUNTERED BENEATH PROPOSED PAVEMENT AND SIDEWALK AREAS, THE UNSUITABLE MATERIALS SHALL BE COMPLETELY REMOVED FROM BENEATH THE PAVEMENT AND SIDEWALK AREAS AND (10) TEN FEET BEYOND THE EDGE OF PAVEMENT. ALL SUCH UNSUITABLE MATERIAL REMOVED BY THE SUBSOIL EXCAVATION, SHALL BE REPLACED WITH ACCEPTABLE EMBANKMENT MATERIAL, AS SPECIFIED IN THE STANDARD SPECIFICATIONS.
- 21.7. WHEN MUCK, CLAY, HARDPAN OR ANY OTHER MATERIAL THAT IS UNSUITABLE IN ITS ORIGINAL POSITION, ARE ENCOUNTERED BENEATH PROPOSED DRAINAGE SWALES OR DRY RETENTION AREAS, THE UNSUITABLE MATERIALS SHALL BE COMPLETELY REMOVED FROM BENEATH THE DRAINAGE SWALES AND DRY RETENTION AREAS. ALL SUCH UNSUITABLE MATERIAL REMOVED BY THE SUBSOIL EXCAVATION, SHALL BE REPLACED WITH COARSE SAND, OR OTHER SUITABLE GRANULAR MATERIAL, AS SPECIFIED IN THE STANDARD SPECIFICATIONS.
- 21.8. ALL UNDERGROUND UTILITIES AND DRAINAGE INSTALLATIONS SHALL BE IN PLACE PRIOR TO SUBGRADE COMPACTION AND PAVEMENT CONSTRUCTION.
- 21.9. GROUND ADJACENT TO ROADWAY/PAVEMENT HAVING RUNOFF SHALL BE GRADED (2) TWO INCHES LOWER THAN THE EDGE OF PAVEMENT TO ALLOW FOR THE PLACEMENT OF SOD.
- 21.10. SITE GRADING ELEVATIONS SHALL BE WITHIN 0.1' OF THE REQUIRED

ELEVATION FOR NON PAVED AREAS AND ALL AREAS SHALL BE GRADED TO DRAIN WITHOUT PONDING.

- 21.11. THE CONTRACTOR SHALL PERFORM ALL EXCAVATION, FILL, EMBANKMENT AND GRADING TO ACHIEVE THE PROPOSED PLAN GRADES INCLUDING TYPICAL ROAD SECTIONS, SIDE SLOPES AND CANAL SECTIONS. ALL WORK SHALL BE IN ACCORDANCE WITH SECTION 120 OF THE STANDARD SPECIFICATIONS. IF FILL MATERIAL IS REQUIRED IN EXCESS OF THAT GENERATED BY THE EXCAVATION, THE CONTRACTOR SHALL SUPPLY THIS MATERIAL AS REQUIRED FROM OFF-SITE.
- 21.12. A 2" BLANKET OF TOP SOIL SHALL BE PLACED OVER ALL AREAS TO BE SODDED OR SEEDED AND MULCHED WITHIN THE PROJECT LIMITS UNLESS OTHERWISE INDICATED ON THE PLANS.
- 21.13. SOD SHALL BE ST. AUGUSTINE UNLESS OTHERWISE INDICATED ON THE PLANS, AND SHALL BE PLACED ON THE GRADED TOP SOIL AND WATERED TO INSURE SATISFACTORY CONDITION UPON FINAL ACCEPTANCE OF THE PROJECT.
- 22. DRAINAGE
- 22.1. INLETS ALL INLETS SHALL BE THE TYPE DESIGNATED ON THE PLANS, AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 425 OF THE STANDARD SPECIFICATIONS. ALL INLETS AND PIPE SHALL BE PROTECTED DURING CONSTRUCTION TO PREVENT SILTATION IN THE DRAINAGE SYSTEMS BY WAY OF TEMPORARY PLUGS AND PLYWOOD OR PLASTIC COVERS OVER THE INLETS. THE ENTIRE DRAINAGE SYSTEM SHALL BE CLEANED OF ALL DEBRIS PRIOR TO FINAL ACCEPTANCE.
- 22.2. PIPE SPECIFICATIONS: PIPE MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 430 OF THE STANDARD SPECIFICATIONS, AND AS SHOWN IN THE PLANS.
- 22.3. PIPE BACKFILL REQUIREMENTS FOR PIPE BACKFILL CROSSING ROADS OR PARKING AREAS SHALL BE AS DEFINED IN THE SECTION 125-8, OF THE STANDARD SPECIFICATIONS. PIPELINE BACKFILL SHALL BE PLACED IN 6 INCH LIFTS AND COMPACTED TO 100% OF THE STANDARD PROCTOR (AASHTO T-99 SPECIFICATIONS)
- 22.4. LOCATION OF DRAINAGE STRUCTURES SHALL GOVERN, AND PIPE LENGTH MAY HAVE TO BE ADJUSTED TO ACCOMPLISH CONSTRUCTION AS SHOWN ON
- 22.5. DISTANCE AND LENGTHS SHOWN ON PLANS AND PROFILE DRAWINGS ARE REFERENCED TO THE INNER WALLS OF STRUCTURES.
- 22.6. FILTER FABRIC SHALL BE MIRAFI, TYPAR OR EQUAL CONFORMING TO SECTION 985 OF THE STANDARD SPECIFICATIONS.
- 23. ASPHALT PAVING 23.1. WHERE NEW ASPHALT MEETS EXISTING ASPHALT, THE EXISTING ASPHALT SHALL BE SAW CUT TO PROVIDE A STRAIGHT EVEN LINE. PRIOR TO REMOVING
- CURB OR GUTTER, THE ADJACENT ASPHALT SHALL BE SAW CUT TO PROVIDE A STRAIGHT EVEN LINE. 23.2. INTERNAL ASPHALT PAVING CONSTRUCTED ON EXISTING SANDY SOILS SHALL BE CONSTRUCTED WITH A 12" SUBGRADE, COMPACTED TO A MINIMUM DENSITY OF 100% MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99. THE COMPACTED SUBGRADE SHALL BE CONSTRUCTED IN THE LIMITS SHOWN ON

THE PLANS. ALL SUBGRADE SHALL HAVE AN LBR OF 40 UNLESS OTHERWISE

- 23.3. ASPHALTIC CONCRETE SURFACE COURSE SHALL BE CONSTRUCTED TO THE LIMITS SHOWN ON THE PLANS. THE SURFACE COURSE SHALL CONSIST OF THE THICKNESS AND TYPE ASPHALTIC CONCRETE AS SPECIFIED IN THE PLANS. ALL ASPHALTIC CONCRETE SHALL BE IN ACCORDANCE WITH SECTIONS 300, 320, 327, 330, 334, 337, 338, 339 AND 341 OF THE STANDARD
- SPECIFICATIONS. 23.4. LIMEROCK BASE SHALL BE PREPARED, COMPACTED AND GRADED AND SHALL BE IN ACCORDANCE WITH SECTION 200 OF THE STANDARD SPECIFICATIONS. ALL LIMEROCK SHALL BE COMPACTED TO 98% PER AASHTO T-180 AND HAVE NOT LESS THAN 70% OF CARBONATES OF CALCIUM AND MAGNESIUM UNLESS OTHERWISE DESIGNATED. THE ENGINEER SHALL INSPECT THE COMPLETED BASE COURSE AND THE CONTRACTOR SHALL CORRECT ANY DEFICIENCIES AND CLEAN THE BASE COURSE PRIOR TO THE PLACEMENT OF THE PRIME COAT. A TACK COAT WILL ALSO BE REQUIRED IF THE ENGINEER FINDS THAT THE PRIMED BASE HAS BECOME EXCESSIVELY DIRTY OR THE PRIME COAT HAS CURED TO THE EXTENT OF LOSING BOUNDING EFFECT PRIOR TO PLACEMENT OF THE ASPHALTIC CONCRETE SURFACE COURSE. THE PRIME AND TACK COATS SHALL BE IN ACCORDANCE WITH SECTION 300 OF THE STANDARD SPECIFICATIONS.
- 23.5. LIMEROCK BASE MATERIAL SHALL BE PLACED IN MAXIMUM 6" LIFTS. BASES GREATER THAN 6" SHALL BE PLACED IN TWO EQUAL LIFTS. IF, THROUGH FIELD TESTS, THE CONTRACTOR CAN DEMONSTRATE THAT THE COMPACTION EQUIPMENT CAN ACHIEVE DENSITY FOR THE FULL DEPTH OF A THICKER LIFT, AND IF APPROVED BY THE ENGINEER, THE BASE MAY BE CONSTRUCTED IN SUCCESSIVE COURSES OF NOT MORE THAN 8 INCHES (200 MM) COMPACTED THICKNESS.
- 23.6. ASPHALT EDGES THAT ARE NOT CURBED SHALL BE SAW CUT TO PROVIDE A STRAIGHT EVEN LINE TO THE DIMENSIONS SHOWN ON PLANS.
- 24. CONCRETE CONSTRUCTION
- 24.1. CONCRETE SIDEWALK AND DRIVEWAYS SHALL BE IN ACCORDANCE WITH SECTION 522 OF THE STANDARD SPECIFICATIONS AND IN ACCORDANCE WITH FDOT STANDARD PLANS FOR ROAD CONSTRUCTION, INDEX NO. 522-001, 522-002, AND 522-003. CONCRETE SIDEWALK SHALL BE 4" THICK, UNLESS OTHERWISE NOTED.
- 24.2. SIDEWALK CURB RAMPS SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS FOR ROAD CONSTRUCTION, INDEX NO. 522-002.
- 24.3. CONCRETE CURB SHALL BE CONSTRUCTED TO THE LIMITS SHOWN ON THE PLANS. THE CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS AND SHALL BE IN ACCORDANCE WITH SECTION 520 OF THE STANDARD SPECIFICATIONS. CONCRETE CURBING SHALL BE IN ACCORDANCE WITH FDOT STANDARD PLANS FOR ROAD CONSTRUCTION, INDEX NO. 520-001.
- SECTION 30 WATER DISTRIBUTION AND SANITARY SEWER FORCE MAINS. 30. MATERIALS:
- NOTE: IF MATERIALS LIST HERE ON ARE IN CONFLICT WITH UTILITY OWNER, MATERIAL OWNER REQUIREMENTS SHALL GOVERN.
- 30.1. ALL WATER MAIN PIPE, INCLUDING FITTINGS, SHALL BE COLOR CODED OR MARKED USING BLUE AS A PREDOMINANT COLOR TO DIFFERENTIATE DRINKING WATER FROM RECLAIMED OR OTHER WATER. UNDERGROUND PLASTIC PIPE SHALL BE SOLID-WALL BLUE PIPE, SHALL HAVE A CO-EXTRUDED BLUE EXTERNAL SKIN, OR SHALL BE WHITE OR BLACK PIPE WITH BLUE STRIPES INCORPORATED INTO, OR APPLIED TO, THE PIPE WALL; AND UNDERGROUND METAL OR CONCRETE PIPE SHALL HAVE BLUE STRIPES APPLIED TO THE PIPE WALL. PIPE STRIPED DURING MANUFACTURING OF THE PIPE SHALL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE, THAT ARE LOCATED AT NO GREATER THAN 90-DEGREE INTERVALS AROUND THE PIPE, AND THAT WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIPE PIPE DURING INSTALLATION OF THE PIPE, THE TAPE OR PAINT SHALL BE APPLIED IN

A CONTINUOUS LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND THAT IS LOCATED ALONG THE TOP OF THE PIPE; FOR PIPES WITH AN INTERNAL DIAMETER OF 24 INCHES OR GREATER, TAPE OR PAINT SHALL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE

- TOP OF THE PIPE. 30.2. DUCTILE IRON PIPE FOR WATER DISTRIBUTION MAINS SHALL CONFORM TO ANSI/AWWA STANDARD C151/A21.51 LATEST REVISION, "DUCTILE IRON PIPE CENTRIFUGALLY CAST IN METAL MOLDS OR SAND-LINED MOLDS" WITH A MINIMUM WALL THICKNESS OF CLASS 51 (PRESSURE CLASS 350) UNLESS OTHERWISE NOTED IN THE PLANS. DUCTILE IRON PIPE SHALL BE CEMENT LINED AND SEAL COATED IN ACCORDANCE WITH ANSI/AWWA STANDARD C104/A21.4 LATEST REVISION. THE PIPE SHALL BE ADAPTED FOR USE WITH CLASS 250 FITTINGS FOR ALL SIZES. WATER MAIN SHALL BE COLORED BLUE IN ACCORDANCE WITH FLORIDA STATE STATUTES.
- 30.3. DUCTILE IRON PIPE FOR SEWAGE FORCE MAINS SHALL CONFORM TO ANSI/AWWA STANDARD C151/A21.51 LATEST REVISION, "DUCTILE IRON PIPE CENTRIFUGALLY CAST IN METAL MOLDS OR SAND- LINED MOLDS" WITH A MINIMUM WALL THICKNESS OF CLASS 51 (PRESSURE CLASS 350) UNLESS OTHERWISE NOTED IN THE PLANS. DUCTILE IRON PIPE SHALL BE INTERIOR CERAMIC EPOXY LINED AND EXTERIOR COATED WITH THE MANUFACTURER'S COATING SYSTEM (PROTECTO 401 CERAMIC EPOXY WITH A MINIMUM DRY FILM THICKNESS OF 40 MILS AND AN OUTSIDE COATING OF EITHER COAL TAR EPOXY OR ASPHALT). CEMENT MORTARED LININGS ARE NOT APPROPRIATE FOR THIS APPLICATION.
- 30.4. ALL PIPE & FITTINGS ON THE LIFT STATION SITES SHALL BE DUCTILE IRON CONFORMING TO THE SAME SPECIFICATIONS AS ABOVE FOR SEWAGE FORCE MAINS EXCEPT THAT FLANGED DUCTILE IRON PIPE & FITTINGS SHALL BE USED INSIDE VALVE PITS AND WET WELLS. FLANGED PIPE AND FITTINGS SHALL CONFORM TO ANSI/AWWA C115/A21.15 LATEST REVISION AND ANSI/AWWA C110/A21.10 LATEST REVISION. THE FOLLOWING THICKNESS CLASSES SHALL BE ADHERED TO: 4" - 12" - CLASS 52, 14" & LARGER - CLASS 51.
- 30.5. PVC PRESSURE PIPE FOR SIZES 4" THROUGH 12" AND SHALL CONFORM TO ANSI/AWWA STANDARD C900 LATEST REVISION. PVC PRESSURE PIPE SHALL BE MADE FROM CLASS 12454-A OR CLASS 12454-B VIRGIN MATERIAL AND CONFORM WITH THE OUTSIDE DIAMETER OF CAST IRON PIPE WITH A MINIMUM WALL THICKNESS OF DR SERIES 18. ULTRA VIOLET DEGRADATION OR SUN BLEACHED PIPE WILL BE CAUSE FOR REJECTION. WATER MAIN SHALL BE COLORED BLUE IN ACCORDANCE WITH FLORIDA STATE STATUTES. FORCE MAIN SHALL BE IMPREGNATED WITH GREEN PIGMENT. REUSE MAIN SHALL BE IMPREGNATED WITH PURPLE PIGMENT.
- 30.6. DUCTILE IRON FITTINGS FOR WATER DISTRIBUTION MAINS SHALL CONFORM TO ANSI/AWWA STANDARD C110/A21.10 LATEST REVISION. FITTINGS 4" AND LARGER SHALL BE CEMENT LINED AND SEAL COATED IN ACCORDANCE WITH ANSI/AWWA STANDARD C104/A21.4 LATEST REVISION. WATER MAIN FITTING SHALL BE COLORED BLUE IN ACCORDANCE WITH FLORIDA STATE
- 30.7. CAST IRON AND DUCTILE IRON FITTINGS FOR SEWAGE FORCE MAINS SHALL CONFORM TO ANSI/AWWA STANDARD C110/A21.10 LATEST REVISION. FITTINGS 4" AND LARGER SHALL BE COATED IN ACCORDANCE WITH THE REQUIREMENTS OF DUCTILE IRON PIPE FOR SEWAGE FORCE MAINS.
- 30.8. JOINTS FOR BELL AND SPIGOT DUCTILE IRON PIPE AND FITTINGS SHALL CONFORM TO ANSI/AWWA STANDARD C111/A21.11 LATEST REVISION. MECHANICAL JOINT OR PUSH-ON JOINT TO BE RUBBER GASKET COMPRESSION-TYPE. SPECIAL FITTINGS AND JOINTS SHALL BE CONSIDERED FOR SPECIFIC INSTALLATION SUBJECT TO THE APPROVAL OF THE ENGINEER 30.9. JOINTS FOR PVC PRESSURE PIPE SHALL BE BELL AND SPIGOT PUSH-ON RUBBER GASKET TYPE ONLY. NO SOLVENT WELD OR THREADED JOINTS WILL BE PERMITTED.
- 30.10. WATER DISTRIBUTION SYSTEM RESTRAINT: ALL FITTINGS AND SPECIFIC PIPE JOINTS SHALL BE RESTRAINED AS OUTLINED BELOW:
- JOINT RESTRAINT
- PUSH-ON P.V.C. EBAA IRON SERIES 1600
- PUSH-ON DIP EBAA IRON SERIES 1700
- TR-FLEX BY U.S. PIPE OR FLEX RING BY AMERICAN
- FITTINGS W/ DIP EBAA IRON SERIES 1100 MEGALUG
- FITTINGS W/ P.V.C. EBAA IRON SERIES 2000 MEGALUG • LENGTH OF RESTRAINED PIPE SHALL BE AS INDICATED ON RESTRAINED
- JOINT PIPE DETAIL. (SEE WATER & SEWER DETAIL SHEET) 30.11. SEWAGE FORCE MAIN SYSTEM RESTRAINT: ALL FITTINGS AND SPECIFIC
- PIPE JOINTS SHALL BE RESTRAINED AS OUTLINED BELOW
- JOINT RESTRAINT
- PUSH-ON P.V.C. EBAA IRON SERIES 1600 • PUSH-ON DIP EBAA IRON SERIES 1700
- TR-FLEX BY U.S. PIPE OR
- FLEX RING BY AMERICAN
- FITTINGS W/ DIP EBAA IRON SERIES 1100 MEGALUG
- FITTINGS W/ P.V.C. EBAA IRON SERIES 2000 MEGALUG
- LENGTH OF RESTRAINED PIPE SHALL BE AS INDICATED ON RESTRAINED JOINT PIPE DETAIL. (SEE WATER & SEWER DETAIL SHEET) 30.12. WATER DISTRIBUTION VALVES SHALL BE GATE VALVES, IRON BODY,

FULLY RESILIENT SEAT BRONZED MOUNTED NON-RISING STEM, RATED AT 200

- PSI AND CONFORMING TO ANSI/AWWA C509 LATEST REVISION, AND SHALL HAVE MECHANICAL JOINTS. 30.12.1.1. GATE VALVES 4" AND LARGER SHALL BE MUELLER A-2361/2362,
- AMERICAN 250 LINE OR CLOW F-6100, CONFORMING TO ANSI/AWWA C500 LATEST REVISION OR APPROVED EQUAL. 30.12.1.2. TAPPING VALVES SHALL BE MUELLER T-2361/2362 OR APPROVED
- 30.12.1.3. GATE VALVES 3" OR LESS SHALL BE NIBCO T-133 OR T-136 WITH MALLEABLE HAND WHEELS OR APPROVED EQUAL
- 30.13. TAPPING SLEEVES SHALL BE MUELLER H615, CLOW F- 2505 OR APPROVED
- 30.14. VALVE BOXES SHALL BE U.S. FOUNDRY 7500 OR APPROVED EQUAL PAINTED BLUE WITH THE DESIGNATION "WATER".
- 30.15. RETAINER GLANDS FOR DIP SHALL CONFORM TO ANSI/AWWA C111/A21.11 LATEST REVISION. ALL GLANDS SHALL BE MANUFACTURED FROM DUCTILE IRON AS LISTED BY UNDERWRITERS LABORATORIES FOR 250 PSI MINIMUM WATER PRESSURE RATING. CLOW CORPORATION MODEL F-1058, STANDARD FIRE PROTECTION EQUIPMENT COMPANY OR APPROVED EQUAL.
- 30.16. DRESSER COUPLINGS SHALL BE REGULAR BLACK COUPLINGS WITH PLAIN GASKETS FOR GALVANIZED STEEL PIPE. THEY SHALL BE DRESSER STYLE 90. NO SUBSTITUTIONS ALLOWED.
- 30.17. FIRE HYDRANTS SHALL BE MUELLER CENTURION TRAFFIC TYPE A-423 WITH 5 1/4" INTERNAL VALVE OPENING OR APPROVED EQUAL. PUMPER NOZZLE TO BE 18" FROM FINISHED GRADE. ALL HYDRANTS TO BE INSTALLED WITH CONTROL VALVE. RETAINER GLANDS ARE PREFERRED FOR RESTRAINING. FIRE HYDRANT SHALL COMPLY WITH ANSI/AWWA C502 LATEST REVISION. FIRE HYDRANTS SHALL BE PAINTED IN ACCORDANCE WITH NFPA #291 OR PER

AGENCY STANDARDS HAVING JURISDICTION. BLUE RAISED REFLECTIVE PAVEMENT MARKER (RPM) SHALL BE USED TO IDENTIFY FIRE HYDRANT LOCATION. THE PLACEMENT OF THE RPM TO BE AT THE CENTERLINE OF THE OUTSIDE ROADWAY LANE.

- 30.18. SEWAGE FORCE MAIN VALVES SHALL BE PLUG VALVES WHICH SHALL BE OF THE NON-LUBRICATED, ECCENTRIC TYPE WITH RESILIENT FACED PLUGS. PORT AREAS FOR VALVES 20 INCHES AND SMALLER SHALL BE AT LEAST 80% OF FULL PIPE AREA. PORT AREA OF VALVES 24 INCHES AND LARGER SHALL BE AT LEAST 70% OF FULL PIPE AREA. THE BODY SHALL BE OF SEMI-STEEL (ASTM A-126 C1.B) AND SHALL HAVE BOLTED BONNET WHICH GIVES ACCESS TO THE INTERNALS OF THE VALVE. SEATS SHALL BE WELDED OVERLAY OF HIGH NICKEL CONTENT OR A STAINLESS STEEL PLATE LOCKED IN THE BODY CAVITY. IF A PLATE IS USED, IT SHALL BE REPLACEABLE THROUGH THE BONNET ACCESS. BEARINGS SHALL BE PERMANENTLY LUBRICATED OF STAINLESS STEEL, BRONZE OR TEFLON LINED, FIBER GLASS BACKED DURALON. BEARING AREAS SHALL BE ISOLATED FROM THE FLOW WITH GRIT SEALS. VALVES SHALL HAVE PACKING BONNETS WHERE THE SHAFT PROTRUDES FROM THE VALVE AND THE PACKING SHALL BE SELF-ADJUSTING CHEVRON TYPE WHICH CAN BE REPLACED WITHOUT REMOVING THE BONNET. ALL NUTS, BOLTS, SPRINGS AND WASHERS SHALL BE STAINLESS STEEL
- 30.19. PLUG VALVES SHALL BE DESIGNED FOR A WORKING PRESSURE OF 150 PSI THE VALVE AND ACTUATOR SHALL BE CAPABLE OF SATISFACTORY OPERATION IN EITHER DIRECTION OF FLOW AGAINST PRESSURE DROPS UP TO AND INCLUDING 100 PSI (FOR PLUG VALVES OVER 12" IN DIAMETER). VALVES SHALL BE BUBBLE TIGHT IN BOTH DIRECTIONS AT 100 PSI DIFFERENTIAL. PLUG VALVES OVER 12" IN DIAMETER SHALL HAVE WORM GEAR OPERATORS. THE OPERATING MECHANISM SHALL BE FOR BURIED SERVICE WITH A 2 INCH SQUARE OPERATING NUT.
- 30.20. PLUG VALVES ARE TO BE INSTALLED WITH THE SEAT POINTED TOWARDS THE UPSTREAM FLOW, WHEN SPECIFIED.
- 30.21. SWING CHECK VALVES FOR WATER, SEWAGE, SLUDGE, AND GENERAL SERVICE SHALL BE OF THE OUTSIDE LEVER AND SPRING OR WEIGHT TYPE. IN ACCORDANCE WITH ANSI/AWWA C 508 LATEST REVISION SWING-CHECK VALVES FOR WATERWORKS SERVICE, 2" THROUGH 24" NPS, UNLESS OTHERWISE INDICATED, WITH FULL-OPENING PASSAGES, DESIGNED FOR A WATER-WORKING PRESSURE OF 150 PSI THEY SHALL HAVE A FLANGED COVER PIECE TO PROVIDE ACCESS TO THE DISC.
- 30.22. HIGH DENSITY POLYETHYLENE PIPE (HDPE) FOR WATER DISTRIBUTION MAINS SHALL CONFORM TO AWWA C906 STANDARD, LATEST REVISION. PIPES SHALL BE COLOR-CODED BLUE, MINIMUM 40 FEET STANDARD LENGTHS. 31. SERVICE CONNECTION:
- 31.1. SERVICE SADDLES SHALL BE FUSION BONDED PLASTIC COATED DUCTILE IRON (ASTM A536) WITH STAINLESS STEEL STRAPS, SADDLES SHALL BE DOUBLE STRAP TYPE.
- 31.2. SERVICE LINES SHALL BE POLYETHYLENE (PE 3408), 200 P.S.I RATED, DR9. PIPE JOINTS SHALL BE OF THE COMPRESSION TYPE TOTALLY CONFINED GRIP SEAL AND COUPLING NUT.
- 31.3. CORPORATION STOPS SHALL BE MANUFACTURED OF BRASS ALLOY IN ACCORDANCE WITH ASTM B-62 WITH THREADED ENDS, AS MANUFACTURED BY FORD BALLCORP, CATALOG # 1100 OR APPROVED EQUAL
- 31.4. CURB STOPS SHALL BE FORD V63-44W-X" LATEST REVISION OR APPROVED
- EQUAL. 31.5. METER STOPS SHALL BE 90 DEGREE LOCKWING TYPE AND SHALL BE OF BRONZE CONSTRUCTION IN ACCORDANCE FV63-777W" LATEST REVISION WITH ASTM B-62. METER STOPS SHALL BE CLOSED BOTTOM DESIGN AND RESILIENT "0" RING SEALED AGAINST EXTERNAL LEAKAGE AT THE TOP. STOPS SHALL BE EQUIPPED WITH A METER COUPLING NUT ON THE OUTLET SIDES, AS
- MANUFACTURED BY FORD OR APPROVED EQUAL. 32. INSTALLATION:
- 32.1. WHERE RESTRAINED PIPE JOINTS ARE REQUIRED DUE TO FITTINGS, APPURTENANCES, ETC., PIPE MATERIAL SHALL BE DIP
- 32.2. ALL PVC PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE UNI-BELL PLASTIC PIPE ASSOCIATION "GUIDE FOR INSTALLATION OF PVC PRESSURE PIPE FOR MUNICIPAL WATER DISTRIBUTION SYSTEM," AND ANSI/AWWA
- C605-XX LATEST REVISION STANDARD. 32.3. ALL DIP SHALL BE INSTALLED IN ACCORDANCE WITH ANSI/ C600-XX LATEST REVISION.
- 32.4. ALL WATER MAINS SHALL TYPICALLY BE LAID WITH A MINIMUM 36" COVER FOR PVC AND 30" COVER FOR DIP.
- 32.5. DETECTOR TAPE SHALL BE LAID 18 INCHES ABOVE ALL WATER AND SEWER LINES. A 14 GAUGE MULTI-STRAND WIRE SHALL BE ATTACHED TO ALL NONCONDUCTIVE WATER MAINS TO FACILITATE LOCATION. AN EXTRA 4 FEET OF WIRE SHALL BE PROVIDED AT ALL VALVES, BLOW-OFFS, HYDRANTS, ETC. THE WIRE SHALL BE TESTED FOR CONTINUITY AT THE PRESSURE TEST.
- 32.6. PIPE DEFLECTION SHALL NOT EXCEED 50% OF THE MAXIMUM DEFLECTION RECOMMENDED BY THE MANUFACTURER. 32.7. A CONTINUOUS AND UNIFORM BEDDING SHALL BE PROVIDED. BACKFILL
- MATERIAL SHALL BE PLACED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
- 32.8. ALL VALVES SHALL BE INSTALLED WITH ADJUSTABLE CAST IRON VALVE BOXES WITH THE WORD "WATER" OR "SEWER", AS APPLICABLE, CAST IN THE COVER. U.S. FOUNDRY OR APPROVED EQUAL. 33. TESTING:
- 33.1. BEFORE ANY PHYSICAL CONNECTIONS AND ACCEPTANCE FOR OPERATION TO THE EXISTING WATER MAINS ARE MADE, THE COMPLETE WATER SYSTEM SHALL BE FLUSHED, PRESSURE TESTED AND DISINFECTED. COPIES OF PASSING BACTERIOLOGICAL RESULTS AND PRESSURE TEST RESULTS MUST BE SUBMITTED TO, AND APPROVED BY, THE ENGINEER, UTILITY OWNER, AND HEALTH DEPARTMENT. HYDROSTATIC TESTING OF NEW MAINS SHALL BE PERFORMED AT A MINIMUM STARTING PRESSURE OF 150 PSI FOR TWO HOURS IN ACCORDANCE WITH ANSI/AWWA C600-05 (HYDROSTATIC TEST). THE PRESSURE TEST SHALL NOT VARY MORE THAN 5 PSI DURING THE TEST. THE ALLOWABLE LEAKAGE DURING THE PRESSURE TEST SHALL BE LESS THAN THE NUMBER OF GALLONS PER HOUR AS DETERMINED BY THE FORMULA:

# L = (SD(P)1/2)/148,000.

- IN WHICH L EQUALS THE ALLOWABLE LEAKAGE IN GALLONS PER HOUR. S EQUALS LENGTH OF PIPE (LINEAR FEET), D EQUALS NOMINAL DIAMETER OF PIPE (INCHES) AND P EQUALS THE AVERAGE TEST PRESSURE (POUNDS PER SQUARE INCH GAUGE). MAXIMUM LENGTH OF TEST PIPE SECTION SHOULD BE 2000 FEET. THE WATER SYSTEM SHALL BE DISINFECTED IN ACCORDANCE WITH THE ANSI/AWWA C651-05 (WATER MAIN BACTERIOLOGICAL TESTS).
- 33.2. THE PRESSURE TEST SHALL BE WITNESSED BY A REPRESENTATIVE OF THE UTILITY OWNER AND THE ENGINEER OF RECORD.
- 33.3. FOR WATER DISTRIBUTION PIPES, SAMPLING POINTS SHALL BE PROVIDED BY THE CONTRACTOR AT THE LOCATIONS SHOWN ON THE PLANS. 33.4. FOR WATER DISTRIBUTION PIPES, DISINFECTION AND BACTERIOLOGICAL
- TESTING SHALL BE IN ACCORDANCE WITH ANSI/AWWA C651-14 (WATER MAIN BACTERIOLOGICAL TESTS). MAXIMUM DISTANCE BETWEEN SAMPLING POINTS

SHALL BE AS FOLLOWS:

- TRANSMISSION MAINS: EVERY 1200 FEET
- BRANCH MAINS: EVERY 1000 FEET
- ISOLATED MAINS < 1000 FEET: 2 SAMPLE POINTS</li> ISOLATED MAINS > 1000 FEET: 3 SAMPLE POINTS

SECTION 40 - GRAVITY SANITARY SEWER COLLECTION SYSTEM

40.1. MANHOLE. VALVE BOX. METER BOX AND OTHER STRUCTURE RIM ELEVATIONS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE ADJUSTED TO CONFORM TO PLAN GRADES PROPOSED IN THESE PLANS. IF NO OTHER INDIVIDUAL COST ITEM IS INCLUDED IN THE CONTRACT SCHEDULE FOR A PARTICULAR STRUCTURE ADJUSTMENT.

40.2. DISTANCE AND LENGTHS SHOWN ON PLANS AND PROFILE DRAWINGS ARE REFERENCED TO THE CENTER OF STRUCTURES.

NOTE: IF MATERIALS LIST HERE ON ARE IN CONFLICT WITH UTILITY OWNER MATERIAL OWNER REQUIREMENTS SHALL GOVERN.

41.1. ALL PVC SEWER PIPE AND FITTINGS SHALL BE NON-PRESSURE POLYVINYL CHLORIDE (PVC) PIPE CONFORMING TO ASTM D 3034, SDR 26, WITH PUSH-ON RUBBER GASKET JOINTS.

41.2. DUCTILE IRON PIPE SHALL CONFORM TO ANSI/AWWA C151/A21.51-XX LATEST REVISION. "DUCTILE IRON PIPE CENTRIFUGALLY CAST IN METAL MOLDS OR SAND-LINED MOLDS" WITH WALL THICKNESS CLASS 51 FOR 8" AND ABOVE, CLASS 52 FOR 4" AND 6", UNLESS OTHERWISE DIRECTED BY THE ENGINEER. DUCTILE IRON PIPE SHALL BE EPOXY LINED OR COATED WITH THE MANUFACTURER'S COATING SYSTEM AS APPROVED BY THE ENGINEER OF RECORD AND THE LOCAL MUNICIPALITY OR UTILITY OWNER. IN EITHER CASE, THE ENGINEER'S REVIEW AND APPROVAL IS REQUIRED FOR EITHER ALTERNATIVE PRIOR TO CONSTRUCTION. CEMENT MORTARED LININGS ARE NOT APPROPRIATE FOR THIS APPLICATION.

41.3. ALL DUCTILE IRON FITTINGS SHALL CONFORM TO ANSI/AWWA STANDARD C110/A21.10-XX LATEST REVISION. ALL FITTINGS AND ACCESSORIES SHALL BE EPOXY LINED AND AS MANUFACTURED OR SUPPLIED BY THE PIPE MANUFACTURER OR APPROVED EQUAL.

41.4. MANHOLES SHALL BE PRECAST PER ASTM C 478 AND IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

41.5. MANHOLES ARE TO BE SEALED WITH TYPE II SULPHATE RESISTANT

CEMENT OR APPROVED EQUAL - NO MOLDING PLASTER. 41.6. JOINTS FOR BELL AND SPIGOT DUCTILE IRON PIPE AND FITTINGS SHALL CONFORM TO ANSI/AWWA STANDARD C111/A21.11-XX LATEST REVISION. MECHANICAL JOINT OR PUSH-ON JOINT TO BE RUBBER GASKET

COMPRESSION- TYPE. 41.7. PVC CLEAN-OUTS TO HAVE SCREW TYPE ACCESS PLUG. LONG RADIUS WYE CONNECTIONS AND FITTINGS SHALL BE USED IN ORDER TO ACCESS CLEAN-OUT OPERATIONS.

41.8. CLEANOUTS SHALL BE INSTALLED AT ALL SEWER SERVICES EXCEEDING 100' IN LENGTH (EVERY 100') WITH A CLEAN OUT AT THE PROPERTY LINE, EASEMENT LINE, OR 5' FROM A BUILDING. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF THE BUILDING CLEANOUT (5' FROM THE BUILDING) AND ELEVATION OF THE END OF THE SEWER SERVICE WITH THE BUILDING PLUMBING CONTRACTOR. CLEANOUTS SHALL BE THE SAME SIZE AS THE SERVICE LATERAL IN WHICH THEY ARE INSTALLED.

### 42. INSTALLATION:

- 42.1. PVC SEWER PIPE SHALL BE LAID IN ACCORDANCE WITH ASTM D 2321 AND THE UNI-BELL PLASTIC PIPE ASSOCIATION'S "RECOMMENDED PRACTICE FOR THE INSTALLATION OF PVC SEWER PIPE."
- 42.2. DIP SHALL BE INSTALLED IN ACCORDANCE WITH ANSI/AWWA C-600-XX LATEST REVISION.
- 42.3. PIPE TO MANHOLE CONNECTION TO BE FERNCO NEOPRENE BOOT COUPLINGS WITH STAINLESS STEEL ACCESSORIES OR APPROVED EQUAL. 42.4. MANHOLES SHALL BE SET PLUMB TO LINE AND GRADE ON FIRM
- SUBGRADE PROVIDING UNIFORM BEARING UNDER THE BASE. 42.5. ALL OPENINGS AND JOINTS SHALL BE SEALED WATERTIGHT.
- 42.6. TWO COATS OF KOPPERS 300-M, FIRST RED, SECOND ONE BLACK, SHALL BE APPLIED TO THE INSIDE OF ALL MANHOLES AND SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS (16 MILS PER COAT). COATING AS REQUIRED BY UTILITY OWNER OR ENGINEER SHALL BE APPLIED TO THE OUTSIDE OF THE MANHOLE. THE INTERIOR COATS SHALL BE APPLIED AFTER SEWER LAMPING OF LINES. AFTER THE APPLICATION OF EACH COAT, THE UTILITY OWNER AND ENGINEER SHALL INSPECT THE MANHOLES. THE INSPECTION SHALL BE SCHEDULED A MINIMUM OF 48 HOURS PRIOR TO
- 43. TESTING: TESTING OF GRAVITY SEWER MAINS AND LATERALS SHALL BE IN ACCORDANCE WITH THE UTILITY OWNER'S MINIMUM DESIGN AND CONSTRUCTION STANDARDS LATEST REVISION.
- 43.1. AFTER CONSTRUCTION OF THE SEWER SYSTEM, THE ENGINEER MAY REQUIRE A VISUAL INFILTRATION AND/OR EXFILTRATION TEST TO BE PERFORMED ON THE ENTIRE SYSTEM OR ANY PART THEREOF.
- 43.2. AN AIR TEST MAY BE SUBSTITUTED FOR THE WATER EXFILTRATION TEST, UPON APPROVAL OF THE ENGINEER.
- 43.3. THE ALLOWABLE LIMITS OF SEWER PIPE LEAKAGE FOR GRAVITY SEWER MAINS SHALL NOT EXCEED 100 GALLONS PER INCH OF INSIDE PIPE DIAMETER PER MILE PER DAY FOR ANY SECTION TESTED. NO VISIBLE LEAKAGE SHALL BE ALLOWED.
- 43.4. THE INSTALLED SEWERS MAY REQUIRE VIDEO INSPECTIONS.

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CITY OF PARKLAND

PROJECT

PINE TREE **ESTATES GUARDRAIL** DESIGN

DOCUMENTS

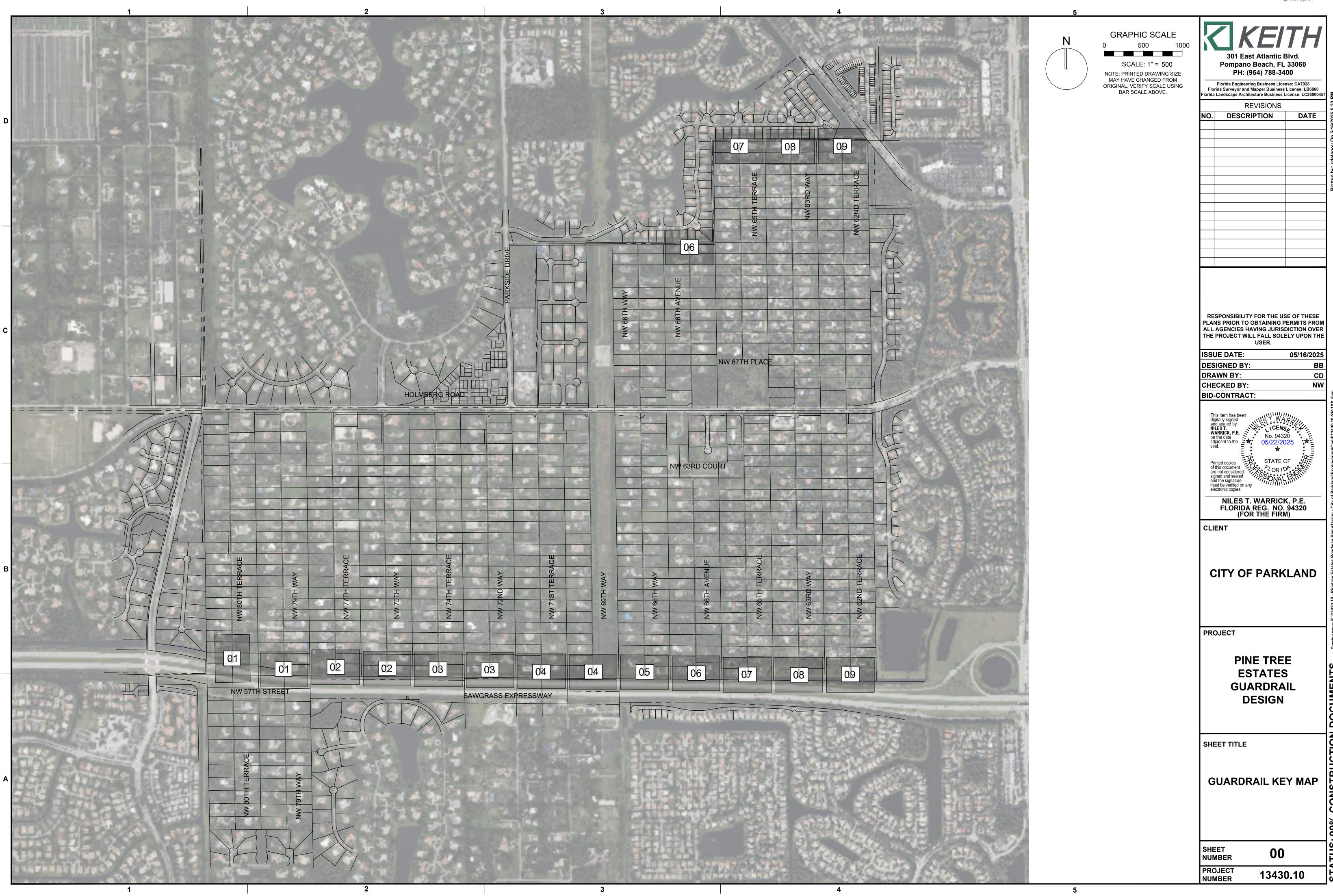
SHEET TITLE

NUMBER

CONSTRUCTION **SPECIFICATIONS** 

**GI-003 NUMBER** PROJEC^{*}

13430.10



SHEET TITLE

SHEET NUMBER

**GUARDRAIL PLAN** 

13430.10



ASPHALT TO BE ADDED 3 FT WIDE, 6

FT FROM THE END, 2 IN THICK.

REFER TO SHEET 14 FOR 2" MISC.

ASPHALT PAVEMENT DETAIL (TYP.)

25.00'

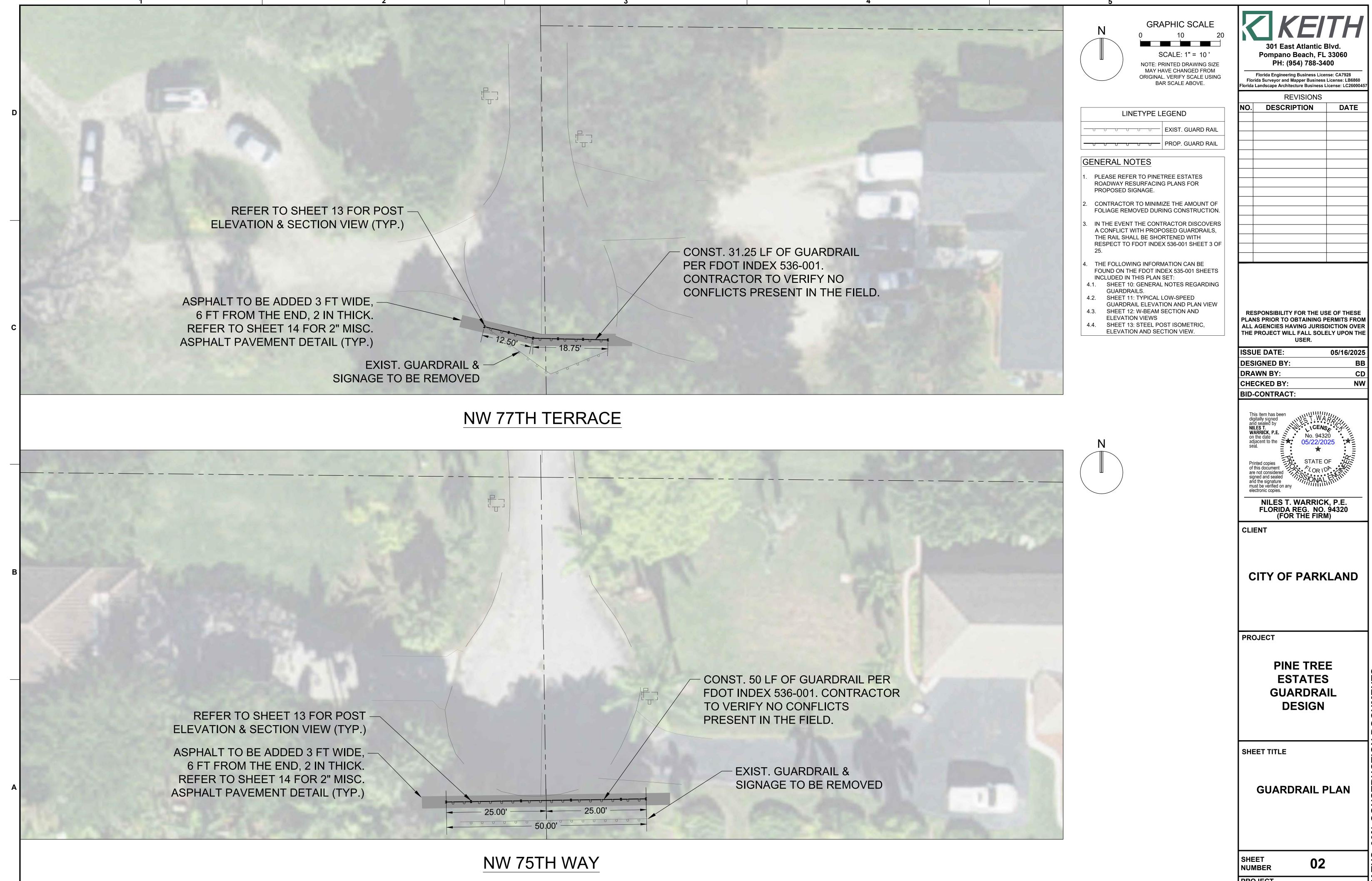
31.25'

NW 79TH WAY

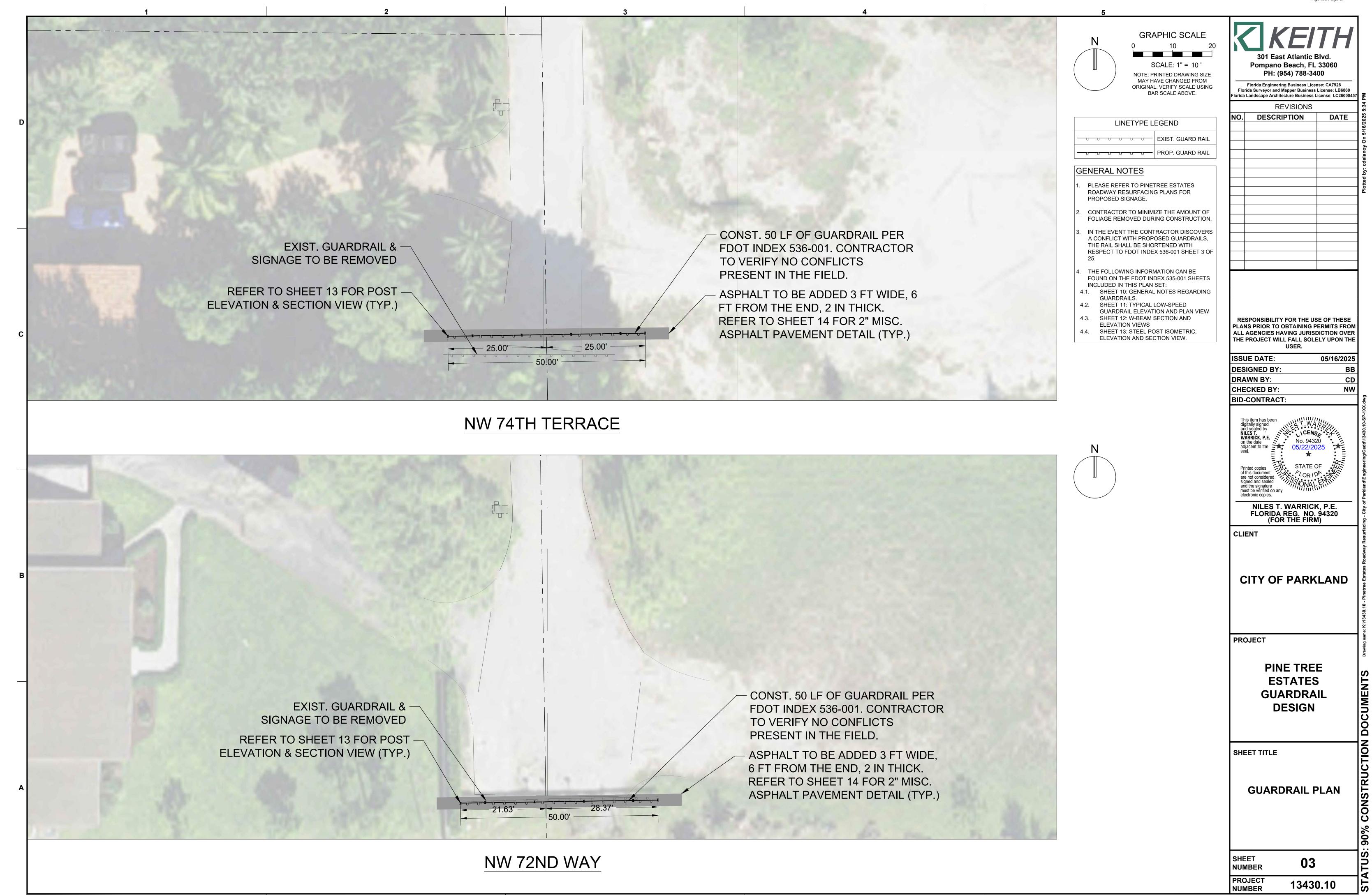
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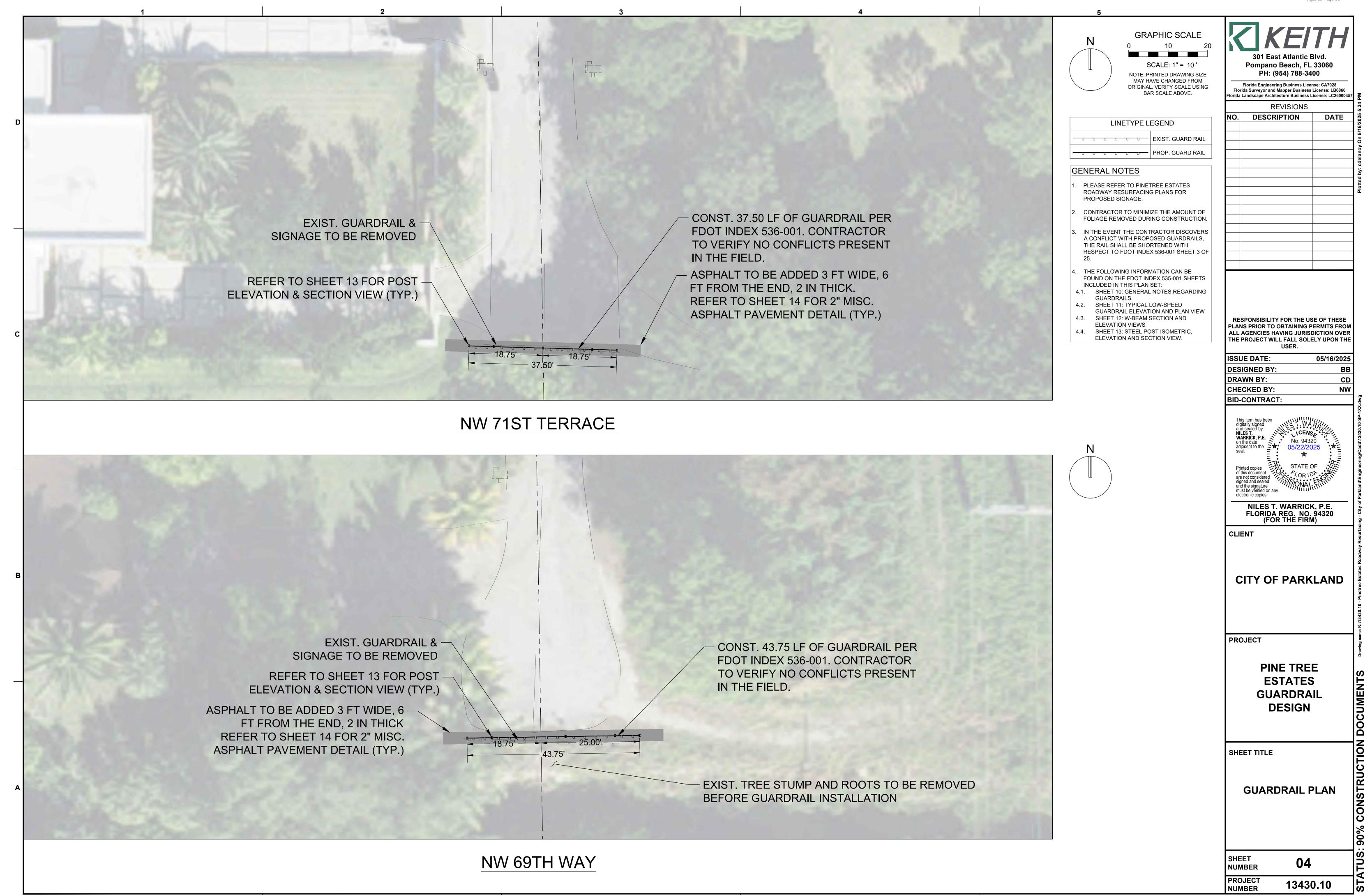
TWO (2) EXIST. TREES TO BE REMOVED -

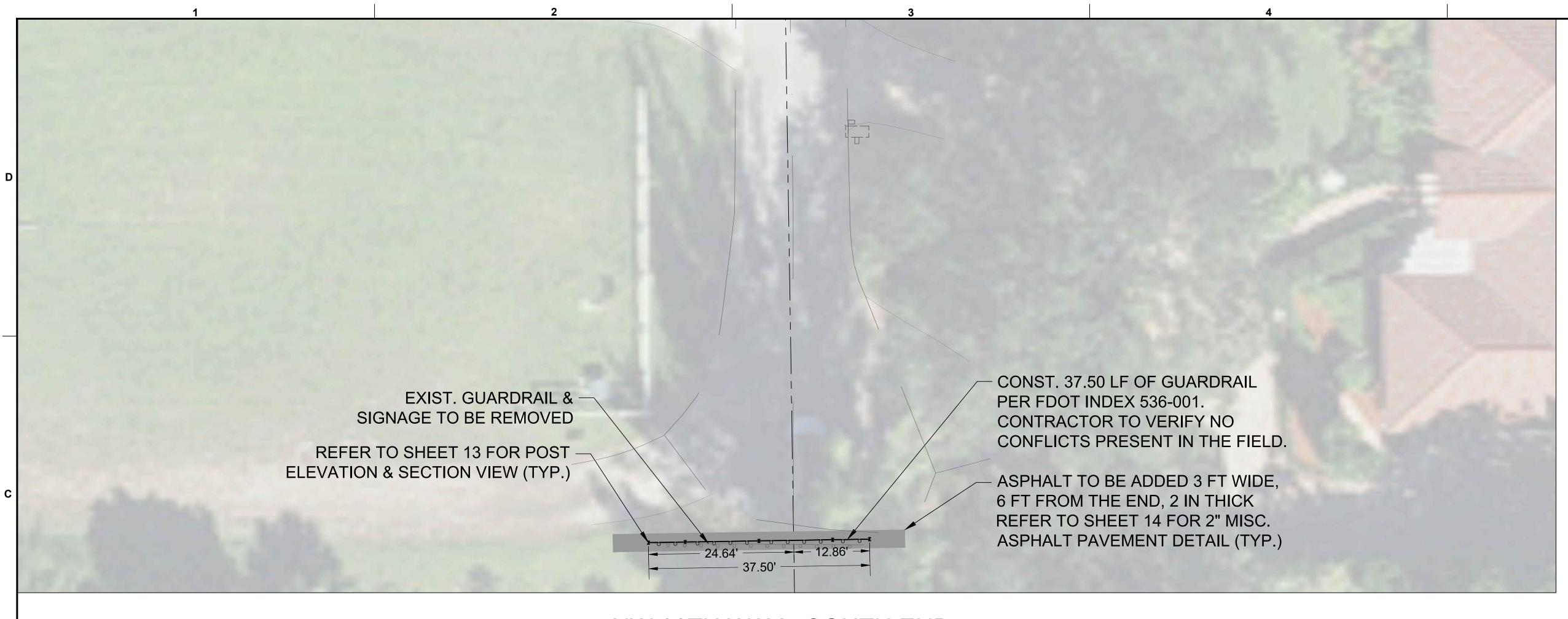
SIGNAGE TO BE REMOVED

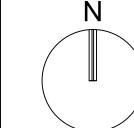


SHEET NUMBER	02
PROJECT NUMBER	13430.10









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SCALE: 1" = 10 '

NOTE: PRINTED DRAWING SIZE

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BAR SCALE ABOVE.

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# GENERAL NOTES

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  4.3. SHEET 12: W-BEAM SECTION AND
  ELEVATION VIEWS
- 4.4. SHEET 13: STEEL POST ISOMETRIC, ELEVATION AND SECTION VIEW.

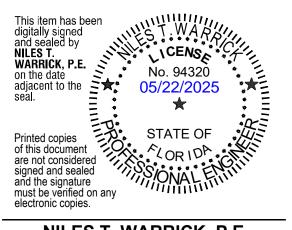
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**CITY OF PARKLAND** 

PROJECT

PINE TREE
ESTATES
GUARDRAIL
DESIGN

DOCUMENTS

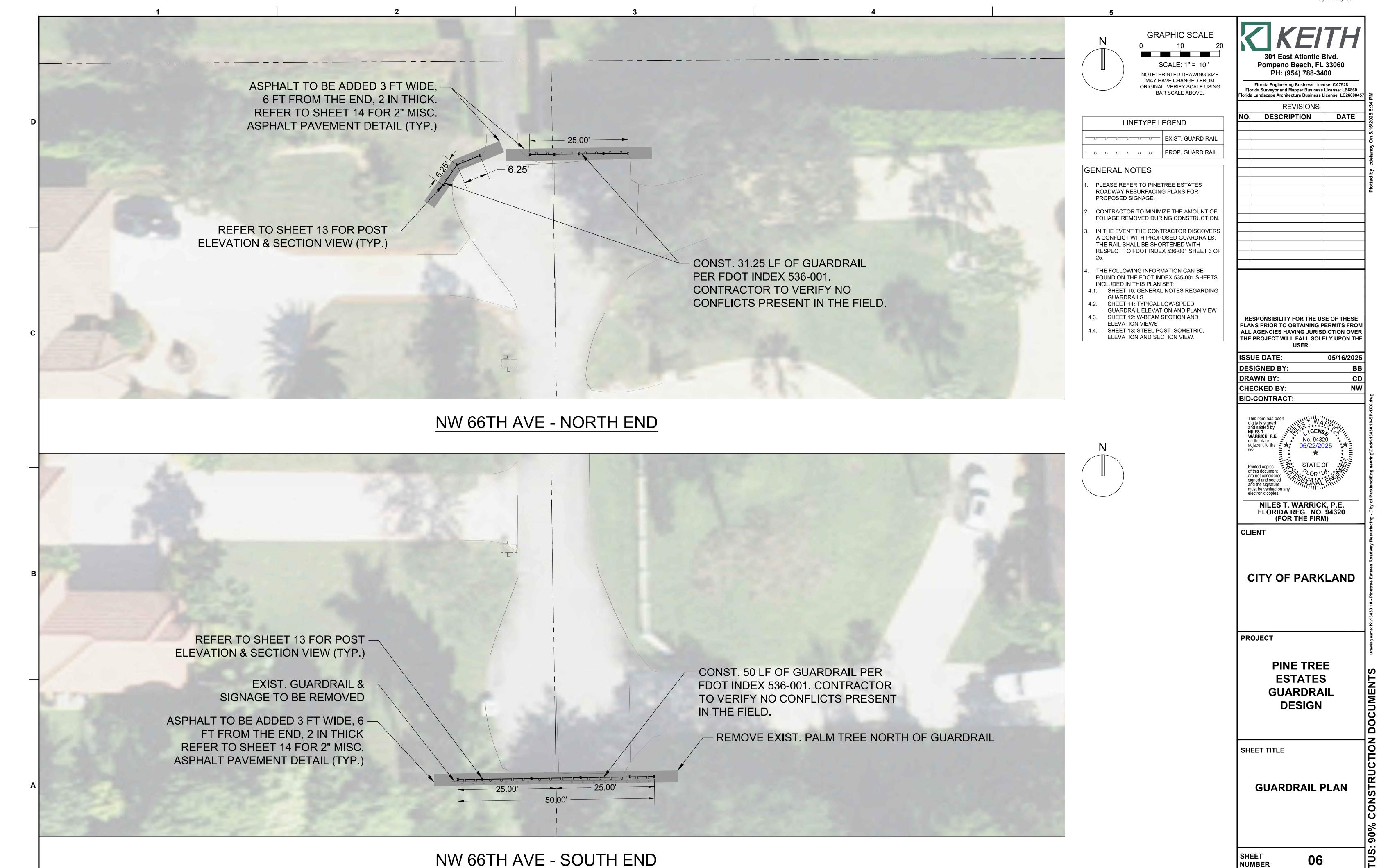
SHEET TITLE

**GUARDRAIL PLAN** 

SHEET NUMBER	05
PROJECT NUMBER	13430.10

NW 66TH WAY - SOUTH END

13430.10



DATE

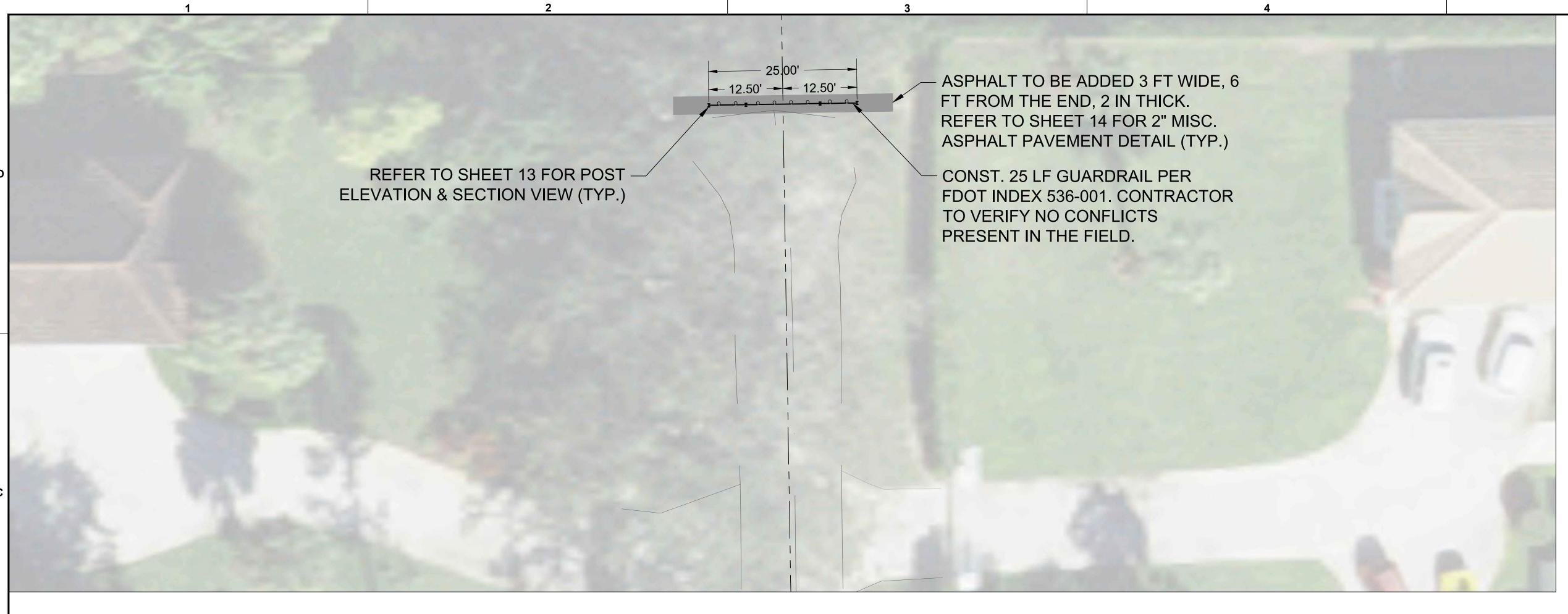
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SCALE: 1" = 10 '

NOTE: PRINTED DRAWING SIZE

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BAR SCALE ABOVE.

BAR SCALE ABOVE.

LINETYPE LEGEND

EXIST. GUARD RAIL

# **GENERAL NOTES**

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- GUARDRAIL ELEVATION AND PLAN VIEW
  4.3. SHEET 12: W-BEAM SECTION AND

**ELEVATION AND SECTION VIEW.** 

ELEVATION VIEWS
4.4. SHEET 13: STEEL POST ISOMETRIC,

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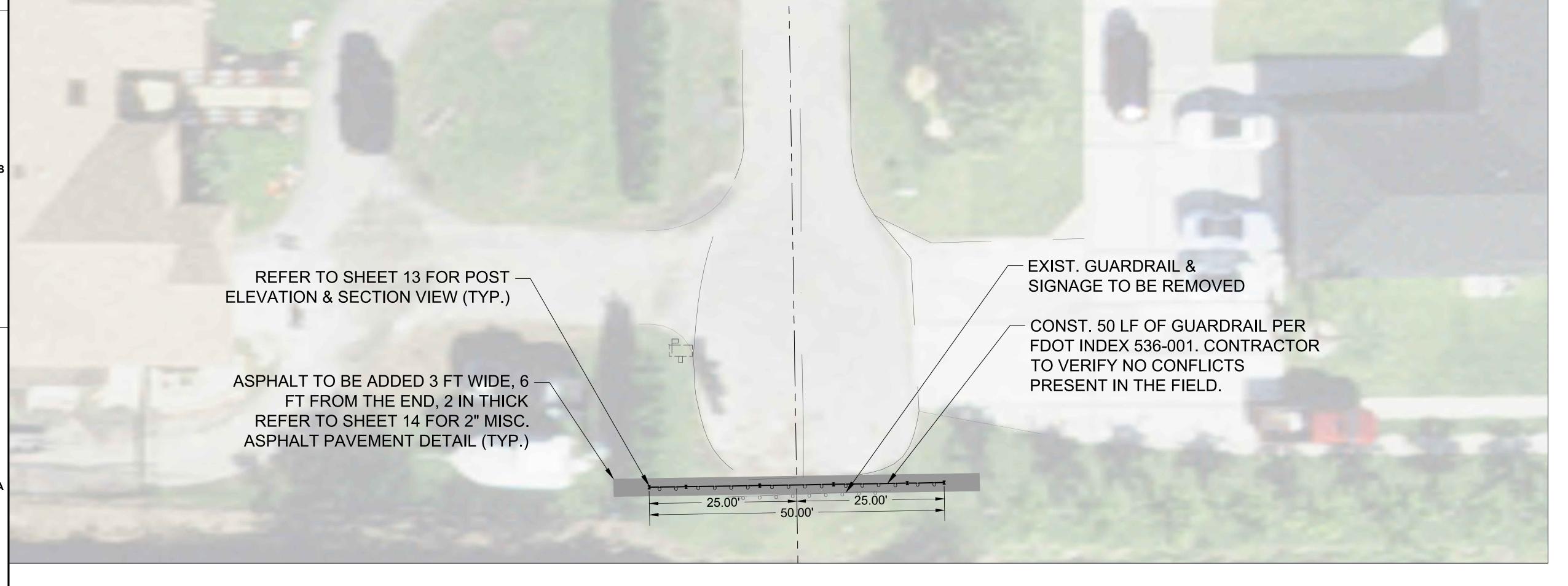
PINE TREE
ESTATES
GUARDRAIL
DESIGN

SHEET TITLE

**GUARDRAIL PLAN** 

SHEET NUMBER	07
PROJECT NUMBER	13430.10

NW 65TH TERRACE - NORTH END



NW 65TH TERRACE - SOUTH END

DATE

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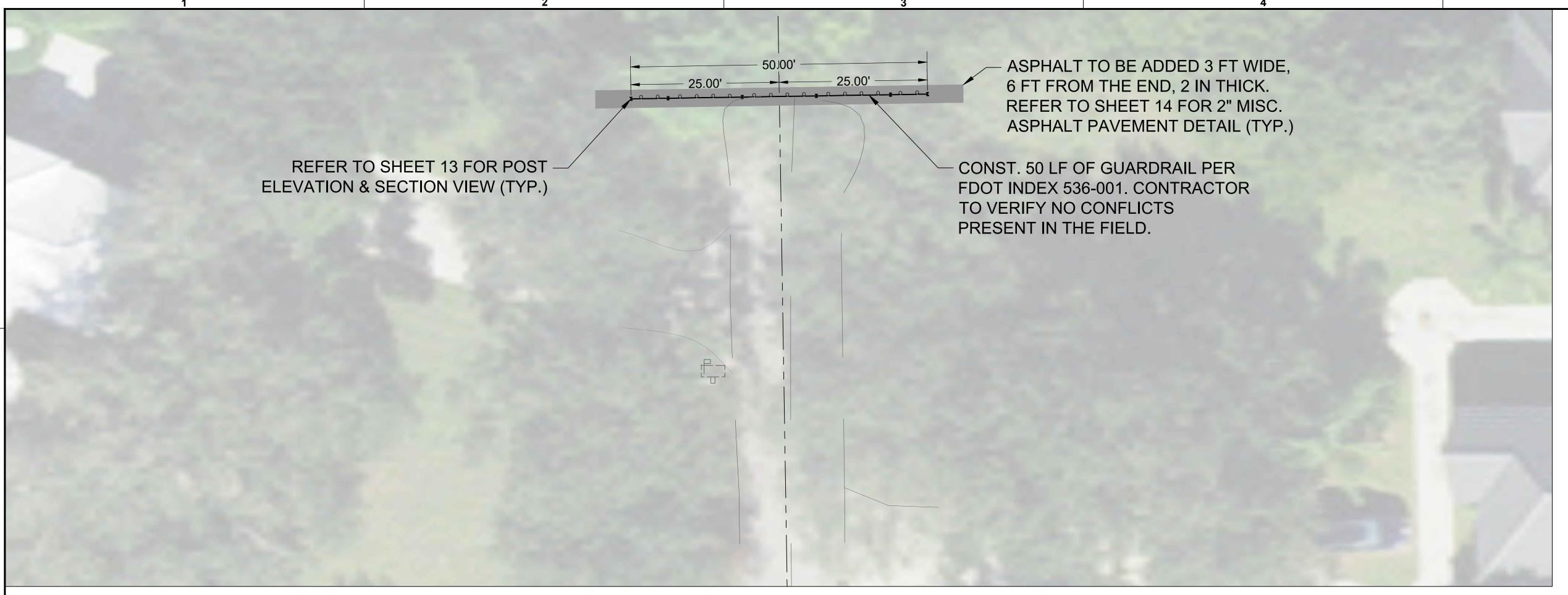
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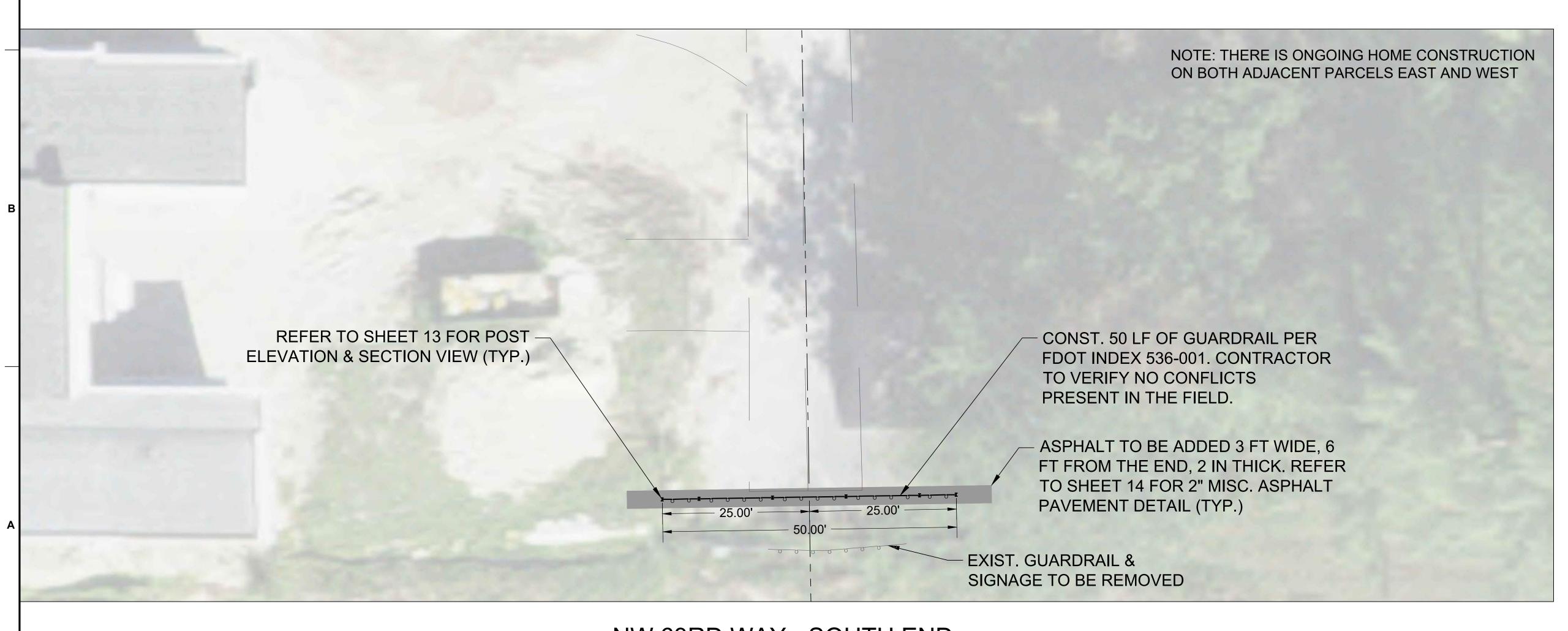
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DESCRIPTION



NW 63RD WAY - NORTH END



**GRAPHIC SCALE** 

SCALE: 1" = 10 ' NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

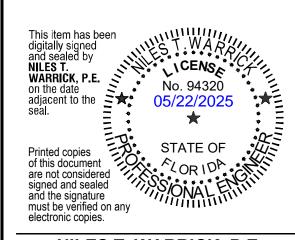
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PROJECT

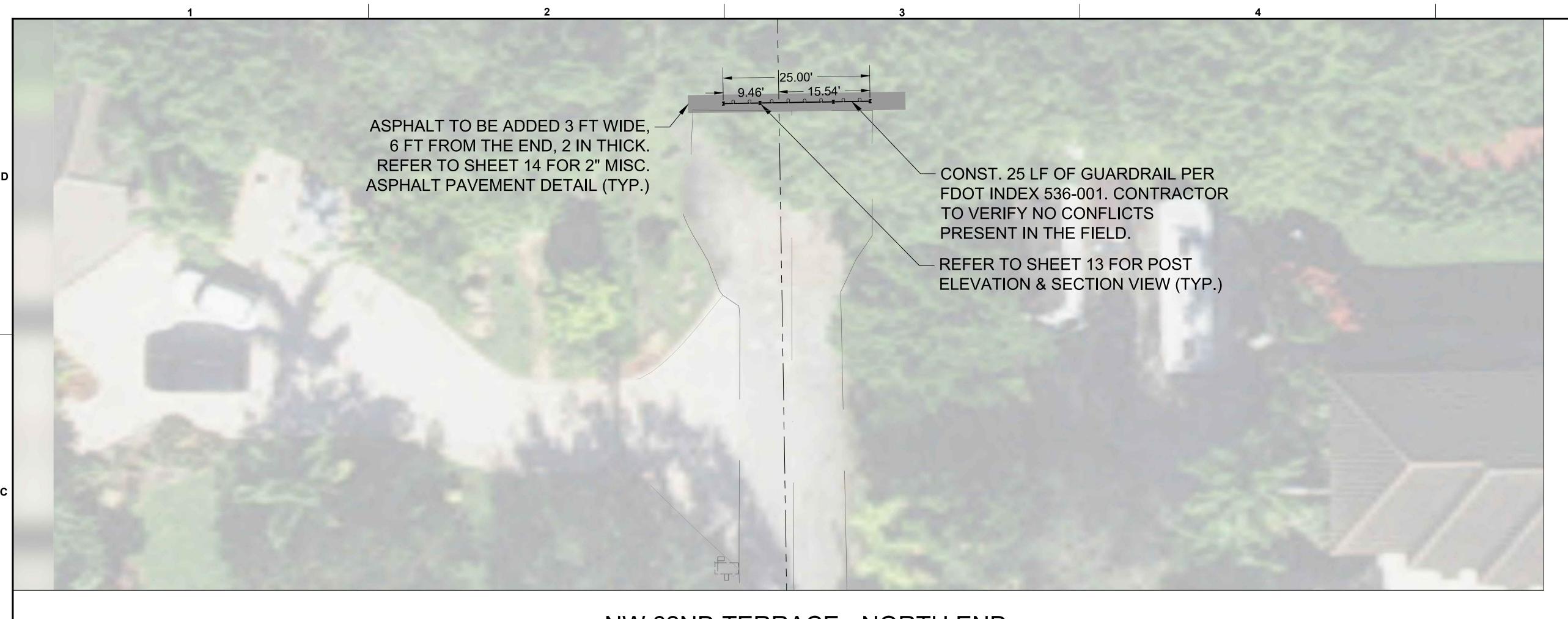
PINE TREE **ESTATES GUARDRAIL DESIGN** 

SHEET TITLE

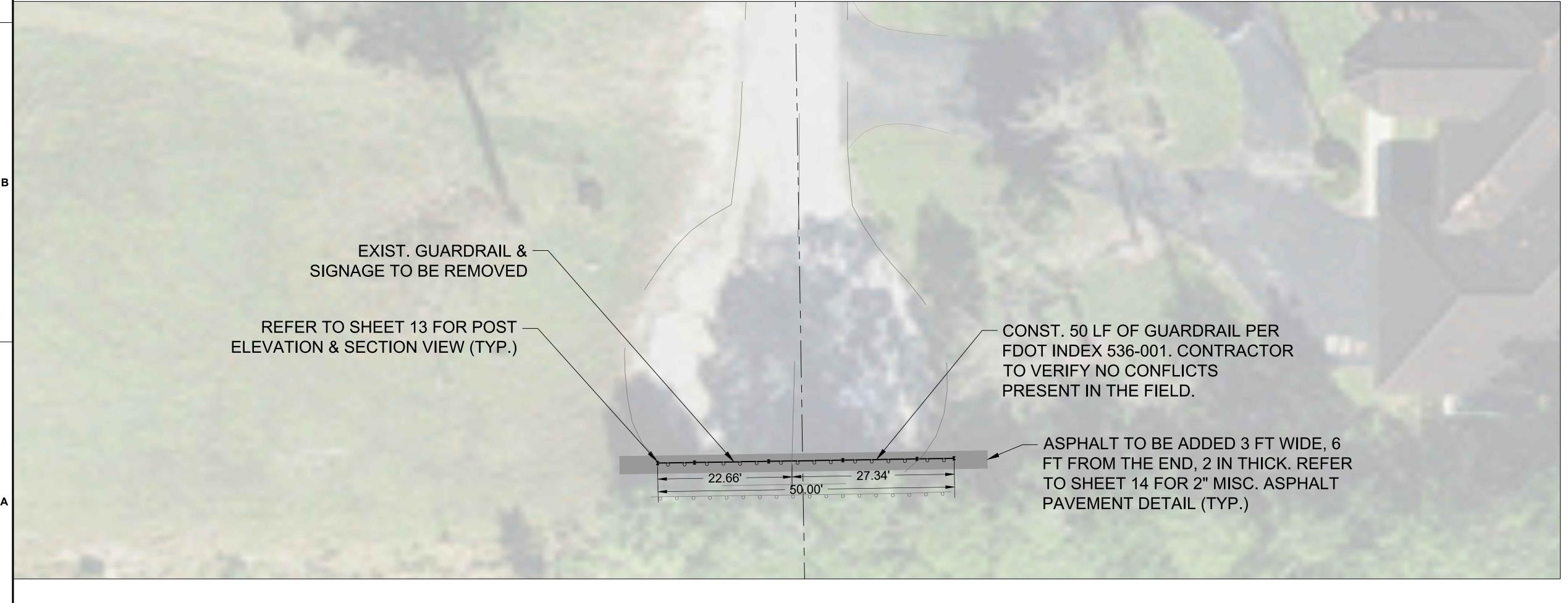
**GUARDRAIL PLAN** 

SHEET NUMBER	08
PROJECT NUMBER	13430.10

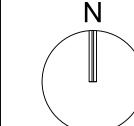
NW 63RD WAY - SOUTH END



NW 62ND TERRACE - NORTH END



NW 62ND TERRACE - SOUTH END



GRAPHIC SCALE
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SCALE: 1" = 10 '
NOTE: PRINTED DRAWING SIZE
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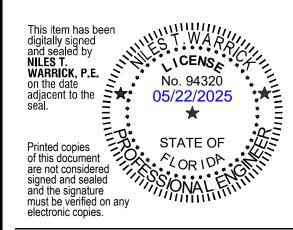
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**CITY OF PARKLAND** 

PROJECT

PINE TREE
ESTATES
GUARDRAIL
DESIGN

SHEET TITLE

**GUARDRAIL PLAN** 

SHEET NUMBER	09
PROJECT NUMBER	13430.10

SHEET	CONTENTS				
7	General Notes;				
1	Index Contents				
2	General, TL-3 Guardrail - Installed Plan and Elevation				
3	Low-Speed, TL-2 Guardrail - Installed Plan and Elevation				
4	W-Beam and Thrie-Beam Panel Details				
5	Post and Offset Block Details				
6	Guardrail Sections - Heights and Adjacent Slopes				
7	End Treatment – Approach Terminal Geometry, Parallel				
8	End Treatment - Approach Terminal Geometry, Curbed and Double Faced				
9	End Treatment - Trailing Anchorage				
10	End Treatment - Component Details				
11	End Treatment - Controlled Release Terminal (CRT) System				
12	Layout for CRT System - Side Roads and Driveways				
13	Approach Transition Connection to Rigid Barrier - General, TL-3				
14	Approach Transition Connection to Rigid Barrier - General, TL-3 - Curb Connections				
15	Approach Transition Connection to Rigid Barrier - Low-Speed, TL-2				
16	Approach Transition Connection to Rigid Barrier - Low-Speed, TL-2 - Curb Connections				
17	Approach Transition Connection to Rigid Barrier - Details				
18	Approach Transition Connection to Rigid Barrier - Double Faced Guardrail				
19	Layout to Rigid Barrier – Approach Ends				
	Layout to Rigid Barrier - Approach Ends with Double Faced Guardrail				
20	Layout to Rigid Barrier - Trailing Ends				
	Trailing End Transition Connection to Rigid Barrier				
21	Trailing End Transition Connection to Rigid Barrier - Curb Connections				
22	Rub Rail Details				
23	Pedestrian Safety Treatment - Pipe Rail				
	Modified Mount - Special Steel Post for Concrete Structure Mount;				
24	Modified Mount - Encased Post for Shallow Mount;				
	Modified Mount - Frangible Leave-Out for Concrete Surface Mount				
	Barrier Delineators - Post Mounted;				
25	Clear Space - Reduced Post Spacing for Hazards;				
	5%" Button-Head Bolt System				

#### GENERAL NOTES:

1. INSTALLATION: Construct guardrail in accordance with Specification 536.

This Index, along with the plans and the manufacturers' drawings on the Approved Products List (APL), is sufficiently detailed for installation of General Guardrail, Low-Speed Guardrail, End Treatment assemblies, and their connecting options shown herein. This precludes requirements for shop drawing submittals unless otherwise specified in the plans.

- 2. COMPATIBILITY: The General Guardrail in this Index is based on the Midwest Guardrail System (MGS) design, with an approximate height of 31" at the top of the Panel (2'-1" mounting height at vertical © of Panel) and a midspan panel splice as shown on Sheet 2. Guardrail components included on the APL, which are compatible with this Index, may also be identified as 31" or MGS Guardrail.
- 3. STANDARD COMPONENTS: Standard guardrail components, including posts, panels, and bolt systems, are based on the Task Force 13 Publication: Guide to Roadside Hardware Components (http://tf13.org/Guides/componentGuide/).
- 4. BUTTON-HEAD BOLTS: Install Button-Head Bolts where indicated using bolts, nuts, and washers as defined on Sheet 25. Place washers under nuts against timber posts. Washers are not required at steel post flanges and panel lap splices. Do not place washers between bolt heads and panels, except where otherwise shown in this Index.
- 5. HEX-HEAD BOLTS: Install Hex-Head Bolts where indicated using bolts, nuts, and washers in accordance with material properties of Specification 967. Place washers under nuts.
- 6. MISCELLANEOUS ASPHALT PAVEMENT: Install Miscellaneous Asphalt Pavement where indicated with a tolerance of  $\pm \frac{1}{2}$ " depth and in accordance with Specification 339.
- 7. ADJACENT SIDEWALKS & SHARED USE PATHS: When guardrail posts are placed within 4'-0" of a sidewalk or shared use path, use timber posts, or use steel posts only if treated with Pipe Rail as shown on Sheet 23.

When timber posts are used, one of the following safety treatments is required for the bolt(s) protruding from the back face of the posts:

- a. After tightening the nut, trim the protruding post bolt flush with the nut and galvanize per Specification 562.
- b. Use post bolts 15" in length and countersink the washer and nut between 1" and  $1\frac{1}{2}$ " deep into the back face of the post.
- c. Use 15" post bolts with sleeve nuts and washers.

When End Treatment posts are within 4'-0" of a sidewalk or shared use path, steel posts are not permitted within the End Treatment segment. Terminate the Pipe Rail outside of End Treatment segments, as noted per Sheet 23.

- 8. NESTED W-BEAM: Where called for in the plans, install two W-Beam Panels mounted flush per location, securing all panels with Button-Head Bolts threaded through aligned slots and holes. 2" Button-Head Bolts are permitted for panel splice locations.
- 9. CONNECTION TO RIGID BARRIER: The connections to Rigid Barrier in this Index only apply to newly constructed bridge Traffic Railing and Concrete Barrier or where the complete Approach Transition Connection to Rigid Barrier shown herein can be installed without conflicting with existing Traffic Railings, structures, or approach slabs.

For connecting guardrail to existing bridge Traffic Railings, see Indexes 536-002, 521-404, and 521-405.

10. CONNECTION TO EXISTING GUARDRAIL: Where a transition to existing guardrail at 27" height is required, linearly transition the new guardrail height over a distance ranging from 25'-0" to 31'-3". Height transitions must occur outside of End Treatment and Approach Transition segments.

Provide an immediate transition to the required midspan panel splice using the available panel options on Sheet 4 (9'- $4\frac{1}{2}$ " or 15'- $7\frac{1}{2}$ " panel). Alternatively, this transition to midspan panel splice may be achieved by installing a single reduced post spacing of 3'-  $1\frac{1}{2}$ " within the new guardrail, immediately adjacent to the connection location.

11. PLANS CALLOUTS: Begin/End Station labels are shown throughout this Index as they correspond to the station and offset callouts specified in the plans.

In the plans, Begin/End Guardrail Station refers to the General TL-3 Guardrail Pay Item, and it may be abbreviated as Begin/End GR. Station. Where the Low-Speed TL-2 Guardrail Pay Item is specifically required, the callout in the plans will then specify Begin/End TL-2 GR. Station.

12. QUANTITY MEASUREMENT: Measure guardrail and corresponding components as defined in Specification 536. The Guardrail length is measured along the centerline of installed Panels, between the points labeled Begin/End Guardrail Station shown on the following Index Sheets and defined in the plans (typically measured from the @ of the panel's post bolt slots at the approach/trailing ends).

LAST REVISION S DESCRIPTION:	FDOT FY 2024-25	GUARDRAIL	INDEX	SHEET
11/01/23	STANDARD PLANS		536-001	1 of 25

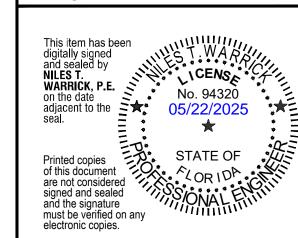
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**CITY OF PARKLAND** 

PROJECT

PINE TREE **ESTATES GUARDRAIL DESIGN** 

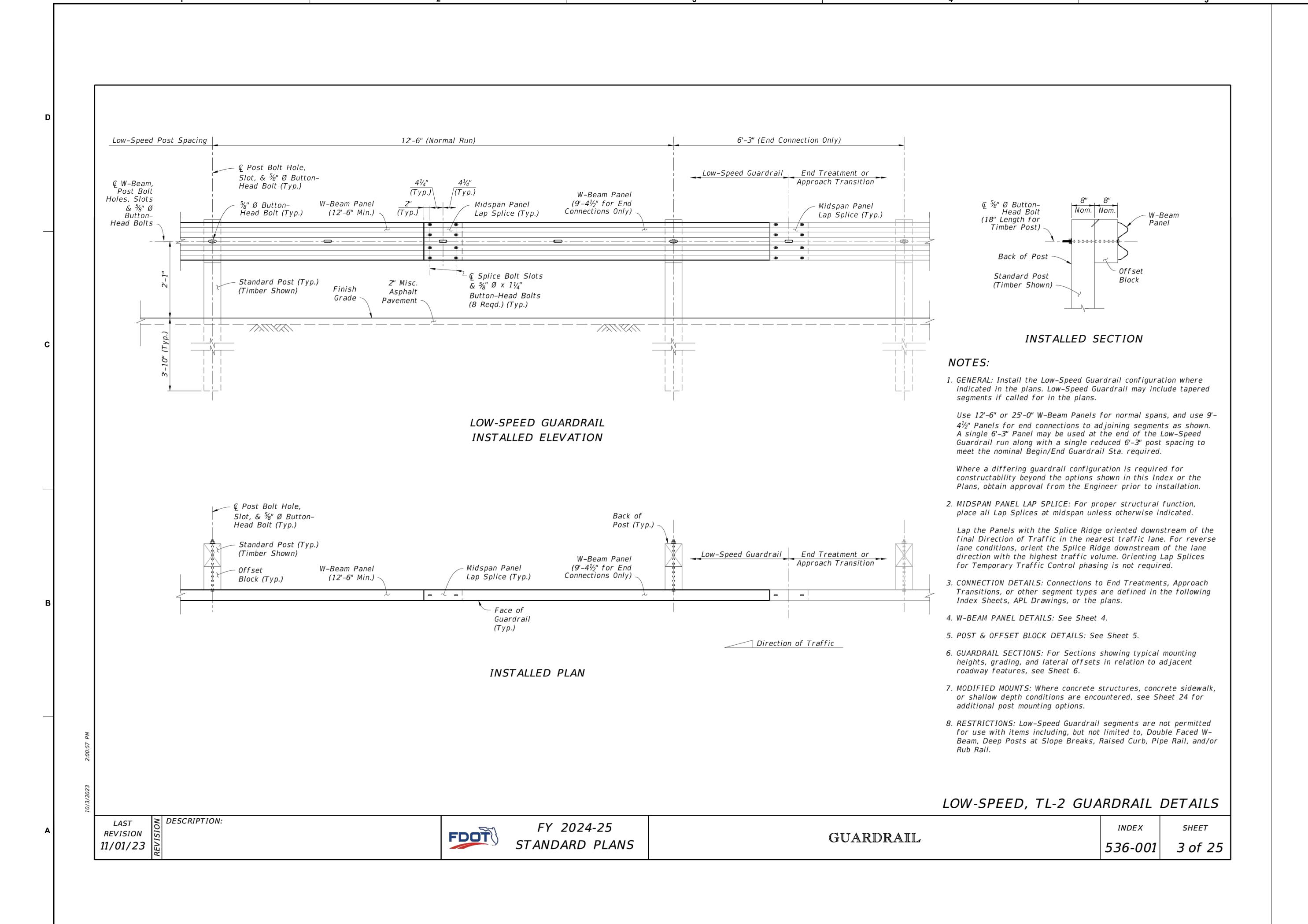
DOCUMENTS

SHEET TITLE

**GUARDRAIL DETAILS** 

SHEET NUMBER PROJEC1 13430.10

NUMBER



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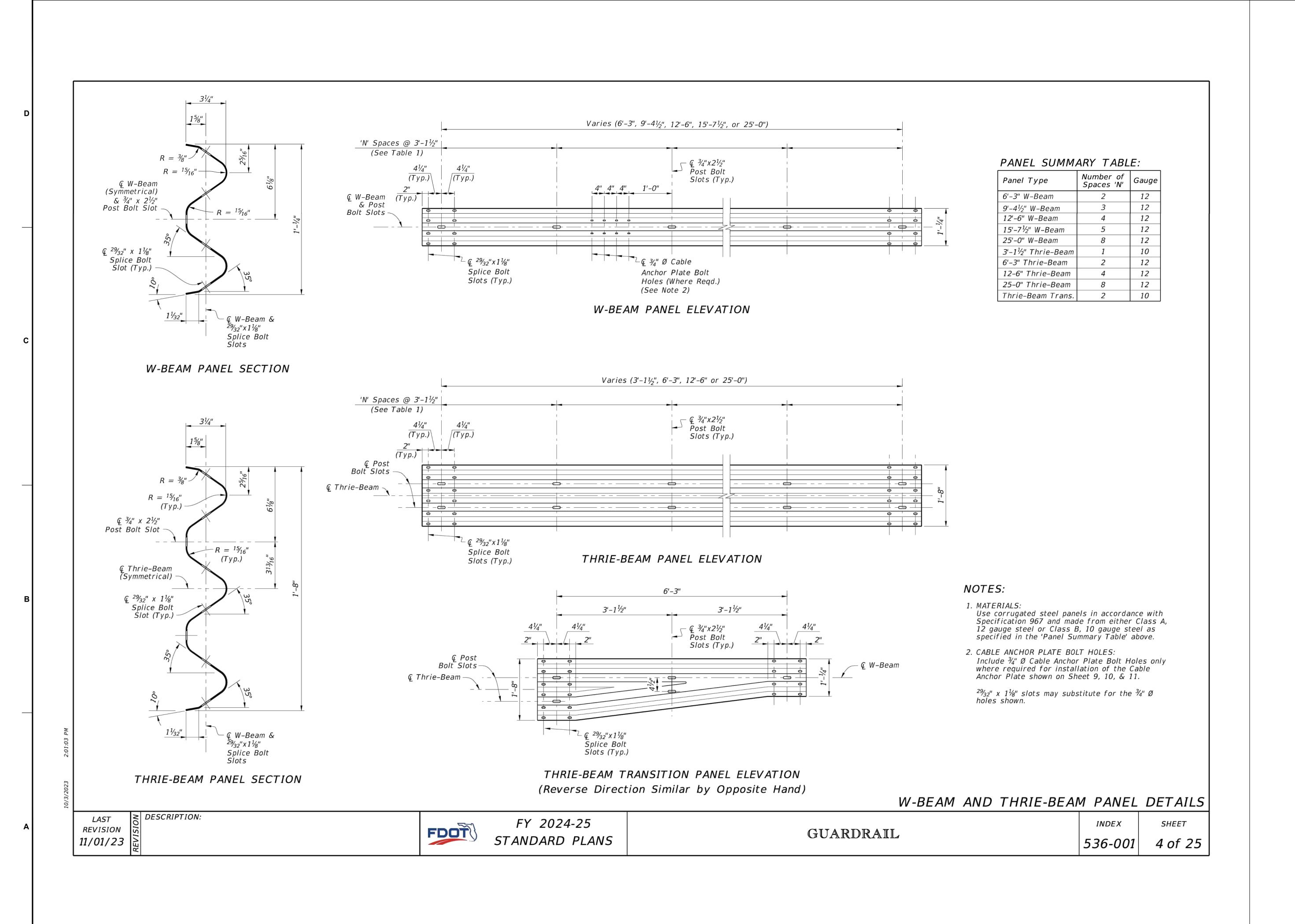
PINE TREE
ESTATES
GUARDRAIL
DESIGN

DOCUMENTS

SHEET TITLE

**GUARDRAIL DETAILS** 

SHEET NUMBER	11
PROJECT NUMBER	13430.10



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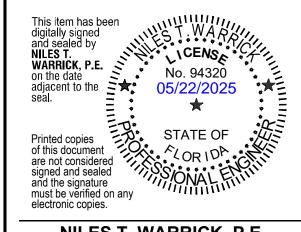
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BID-CONTRACT:	



NILES T. WARRICK, P.E. FLORIDA REG. NO. 94320 (FOR THE FIRM)

CLIENT

**CITY OF PARKLAND** 

PROJECT

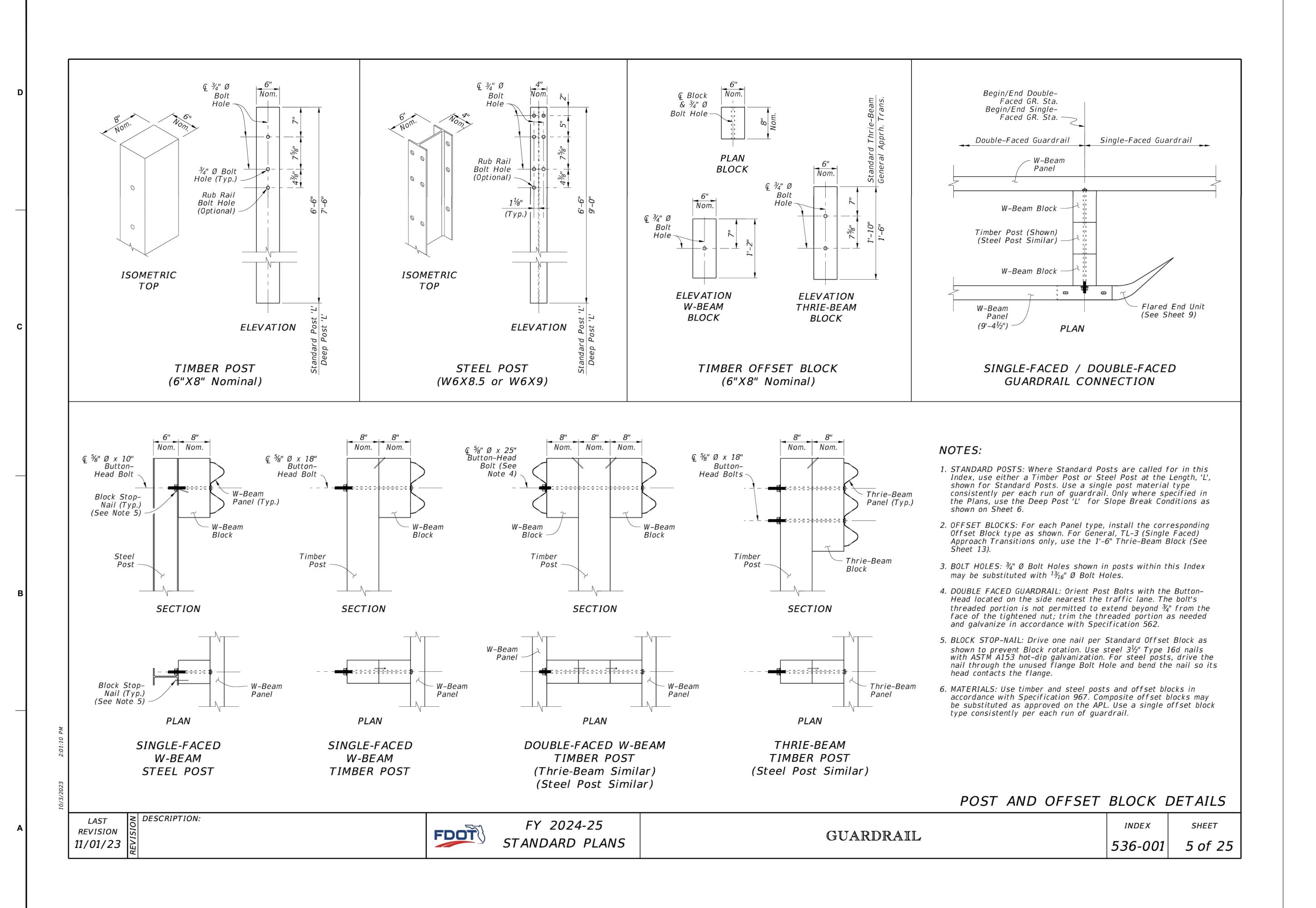
PINE TREE
ESTATES
GUARDRAIL
DESIGN

DOCUMENTS

SHEET TITLE

**GUARDRAIL DETAILS** 

SHEET NUMBER	12
PROJECT NUMBER	13430.10



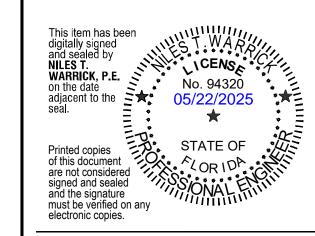
301 East Atlantic Blvd.
Pompano Beach, FL 33060
PH: (954) 788-3400

Florida Engineering Business License: CA7928
Florida Surveyor and Mapper Business License: LB6860

	REVISIONS	
NO.	DESCRIPTION	DATE
140.	DESCRIPTION	DAIL

RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM ALL AGENCIES HAVING JURISDICTION OVER THE PROJECT WILL FALL SOLELY UPON THE USER.

ISSUE DATE:	05/16/2025
DESIGNED BY:	ВВ
DRAWN BY:	CD
CHECKED BY:	NW
BID-CONTRACT:	



NILES T. WARRICK, P.E. FLORIDA REG. NO. 94320 (FOR THE FIRM)

CLIENT

**CITY OF PARKLAND** 

PROJECT

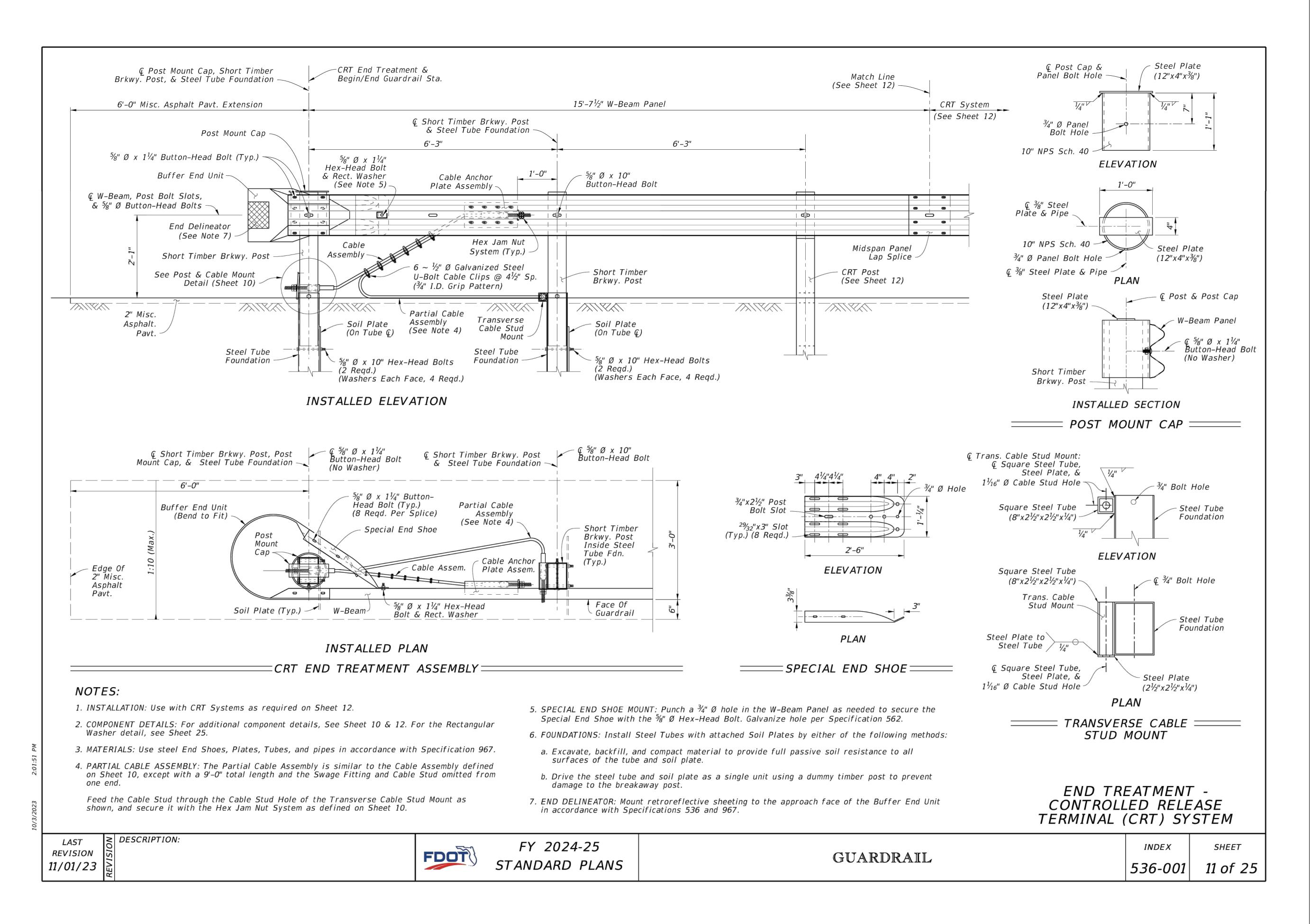
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DOCUMENTS

SHEET TITLE

**GUARDRAIL DETAILS** 

SHEET 13
PROJECT 13430.10



Pompano Beach, FL 33060 PH: (954) 788-3400 Florida Engineering Business License: CA7928 Florida Surveyor and Mapper Business License: LB6860 Florida Landscape Architecture Business License: LC2600045 **REVISIONS** DESCRIPTION DATE RESPONSIBILITY FOR THE USE OF THESE PLANS PRIOR TO OBTAINING PERMITS FROM **ALL AGENCIES HAVING JURISDICTION OVER** THE PROJECT WILL FALL SOLELY UPON THE **ISSUE DATE:** 05/16/2025 **DESIGNED BY:** DRAWN BY: CHECKED BY: BID-CONTRACT: CENSE WARRICK, P.E. No. 94320 adjacent to the 3% 05/22/2025 opies STATE Or document on considered sealed SONAL ENGINEERS Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies. **NILES T. WARRICK, P.E.** FLORIDA REG. NO. 94320 (FOR THE FIRM) CLIENT **CITY OF PARKLAND** PROJECT PINE TREE DOCUMENTS **ESTATES GUARDRAIL DESIGN** SHEET TITLE **GUARDRAIL DETAILS** SHEET

**NUMBER** 

PROJEC1

NUMBER

13430.10

# TENTH ORDER OF BUSINESS

#### **PINE TREE**

Water Control District

Financial Report

June 30, 2025

Prepared by



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#### **PINE TREE**

Water Control District

#### **Financial Statements**

(Unaudited)

June 30, 2025

**PINE TREE** 

#### **Balance Sheet**

June 30, 2025

ACCOUNT DESCRIPTION	TOTAL	
<u>ASSETS</u>		
Cash - Checking Account	\$	2,164,898
Accounts Receivable		287
Accounts Receivable - Other		503
Assessments Receivable		407
Allow-Doubtful Collections		(407)
Due From Other Gov'tl Units		15
Interest/Dividend Receivables		1,693
Investments:		
Money Market Account		589,979
TOTAL ASSETS	\$	2,757,375
Accounts Payable Accrued Expenses Deposits	\$	22,386 3,747 20,000
TOTAL LIABILITIES		46,133
FUND BALANCES		
Assigned to:		
Operating Reserves		161,066
Reserves - Equipment		67,000
Reserves - Hurricane		1,400,000
Reserves - Infrastructure		121,004
Unassigned:		962,172
TOTAL FUND BALANCES	\$	2,711,242
TOTAL LIABILITIES & FUND BALANCES	\$	2,757,375

#### Statement of Revenues, Expenditures and Changes in Fund Balances

For the Period Ending June 30, 2025

ACCOUNT DESCRIPTION	ANNUAL ADOPTED BUDGET	YEAR TO DATE ACTUAL	YTD ACTUAL AS A % OF ADOPTED BUD	JUN-25 ACTUAL
REVENUES				
Interest - Investments	\$ 16,000	\$ 73,406	458.79%	\$ 7,910
Licenses, Fees & Permits	100	· · · · · · · · · · · · · · · · · · ·	0.00%	-
Interest - Tax Collector	-	1,527	0.00%	319
Special Assmnts- Tax Collector	654,339	633,660	96.84%	10,977
Special Assmnts- Discounts	(26,174)	(22,675)	86.63%	(13)
Other Miscellaneous Revenue		3,250	0.00%	500
TOTAL REVENUES	644,265	689,168	106.97%	19,693
<u>EXPENDITURES</u>				
<u>Administration</u>				
P/R-Board of Supervisors	3,500	1,900	54.29%	-
Payroll-Contract Personnel	15,415	2,700	17.52%	300
FICA Taxes	268	145	54.10%	-
ProfServ-Engineering	50,000	14,613	29.23%	-
ProfServ-Legal Services	15,452	5,491	35.54%	815
ProfServ-Mgmt Consulting	44,870	33,653	75.00%	3,739
Auditing Services	4,300	3,400	79.07%	-
Postage and Freight	300	78	26.00%	-
Printing and Binding	1,200	258	21.50%	-
Legal Advertising	2,000	158	7.90%	-
Misc-Assessment Collection Cost	13,087	12,226	93.42%	226
Misc-Contingency	2,000	503	25.15%	68
Misc-Web Hosting	5,000	2,104	42.08%	102
Office Supplies	600	-	0.00%	-
Annual District Filing Fee	175	175	100.00%	
Total Administration	158,167	77,404	48.94%	5,250
Operations and Maintenance				
Field				
Payroll-Hourly	101,562	70,259	69.18%	8,030
Payroll-Contract Personnel	40,482	26,983	66.65%	-
Payroll - Special Pay	325	, -	0.00%	-
FICA Taxes	7,794	5,360	68.77%	614
Pension Benefits	11,172	5,589	50.03%	883
Life and Health Insurance	30,096	17,234	57.26%	2,513
Workers' Compensation	6,568	7,821	119.08%	297

# Statement of Revenues, Expenditures and Changes in Fund Balances

For the Period Ending June 30, 2025

ACCOUNT DESCRIPTION	ANNUAL ADOPTED BUDGET	YEAR TO DATE ACTUAL	YTD ACTUAL AS A % OF ADOPTED BUD	JUN-25 ACTUAL
Contracts-Culvert Inspection	15,000	12,500	83.33%	-
Contracts-Ditch Bank	15,000	-	0.00%	-
Communication - Teleph - Field	200	-	0.00%	-
Utility - Recharge Water	3,500	-	0.00%	-
Rentals - General	9,350	7,221	77.23%	802
Insurance - General Liability	13,425	13,120	97.73%	-
R&M-General	15,000	5,720	38.13%	980
R&M-Aquatic Weed Control	55,000	42,482	77.24%	14,970
R&M-Canal Bank Restoration	100,000	-	0.00%	-
R&M-Culvert Cleaning	30,000	-	0.00%	-
Misc-Licenses & Permits	900	-	0.00%	-
Misc-Contingency	14,444	1,262	8.74%	40
Op Supplies - General	1,560	545	34.94%	60
Op Supplies - Uniforms	720	361	50.14%	24
Op Supplies - Fuel, Oil	5,000	2,710	54.20%	280
Cap Outlay - Vehicles	9,000	-	0.00%	-
Total Field	486,098	219,167	45.09%	29,493
TOTAL EXPENDITURES	644,265	296,571	46.03%	34,743
Excess (deficiency) of revenues				
Over (under) expenditures		392,597	0.00%	(15,050)
Net change in fund balance	\$ -	\$ 392,597	0.00%	\$ (15,050)
FUND BALANCE, BEGINNING (OCT 1, 2024)	2,318,645	2,318,645		
FUND BALANCE, ENDING	\$ 2,318,645	\$ 2,711,242		

#### **PINE TREE**

Water Control District

**Supporting Schedules** 

June 30, 2025

#### Non-Ad Valorem Special Assessments - Broward County Tax Collector Monthly Collection Distributions For the Fiscal Year Ending September 30, 2025

Date Received		Net Amount Received	Discount / (Penalties) Amount	Collection Costs	Gross Amount Received
Assessments Le	evied	(1)			\$ 654,339 100%
11/22/24	\$	96,405	\$ 4,161	\$ 1,967	\$ 102,533
12/06/24		122,229	5,196	2,494	129,919
12/18/24		285,924	12,081	5,835	303,840
12/27/24		8,362	269	171	8,802
01/06/25		14,091	445	288	14,824
01/10/25		1,907	45	39	1,991
02/24/25		14,404	317	294	15,015
03/14/25		11,238	131	229	11,598
04/11/25		29,293	17	598	29,907
05/15/25		4,169	-	85	4,254
06/13/25		11,057	13	226	10,977
TOTAL	\$	599,079	\$ 22,675	\$ 12,226	\$ 633,662

% COLLECTED 96.84%

TOTAL OUTSTANDING	\$	20,677
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#### NOTES:

(1) Assessments levied varies from budget due to late valuations from the Tax Collector.

Pine Tree Collection Assessment History **								
Fiscal Year	Assessments Levied	Assessments Collected	Percentage Collected					
2022	\$654,904	\$646,727	98.75%					
2023	\$654,339	\$642,001	98.11%					
2024	\$654,339	\$642,332	98.16%					
2025	\$654,339	\$633,662	96.84%					

^{**}Assessments collected through June 30th

# Cash and Investment Balances June 30, 2025

ACCOUNT NAME	BANK NAME	MATURITY	MATURITY YIELD		BALANCE		
GENERAL FUND							
Operating Account - Business Checking	BankUnited		0.00%	\$	447,734		
High Yield Checking Account	Valley Bank		4.33%	\$	1,717,164	(1)	
			Subtotal	\$	2,164,898	_	
Money Market Account	BankUnited		4.06%	\$	589,979	(2)	
			Grand Total	\$	2,754,876	-	

#### NOTES:

- (1) Invested in High Yield Checking Account at Valley Bank.
- (2) Invested in Money Market Account at Bank United.

#### **Bank Account Statement**

Pinetree WCD

Bank Account No. 1361 Statement No. 06-25

Statement No. 06-25		Statement Date	06/30/2025		
G/L Account No. 101002 Balance	447,733.72	Statement Balance Outstanding Deposits	448,132.52 0.00		
Positive Adjustments	0.00	Subtotal	448,132.52		
Subtotal	447,733.72	<b>Outstanding Checks</b>	-398.80		
Negative Adjustments	0.00	Ending Balance	447,733.72		
Ending G/L Balance	447,733.72	Litting balance	771,133.12		

Posting Date	Document Type	Document No.	Vendor	Description	Amount	Cleared Amount	Difference
Outstanding	Checks						
01/10/2025		BOARD	P/R-Board of Supervisors BROWARD	Payroll Check -			-92.35
05/05/2025	Payment	100041	COUNTY TAX COLLECTOR PREFERRED	Inv: 043025-8526			-9.45
06/13/2025	Payment	100057	GOVERNMENTAL INSURANCE	Inv: 67571			-297.00
Total Outstan	nding Checks						-398.80