

# Construction Plans & Specifications

## For

# Amazon One Grocery

## HFL1

Kings Highway Commerce Park  
Parcel-III

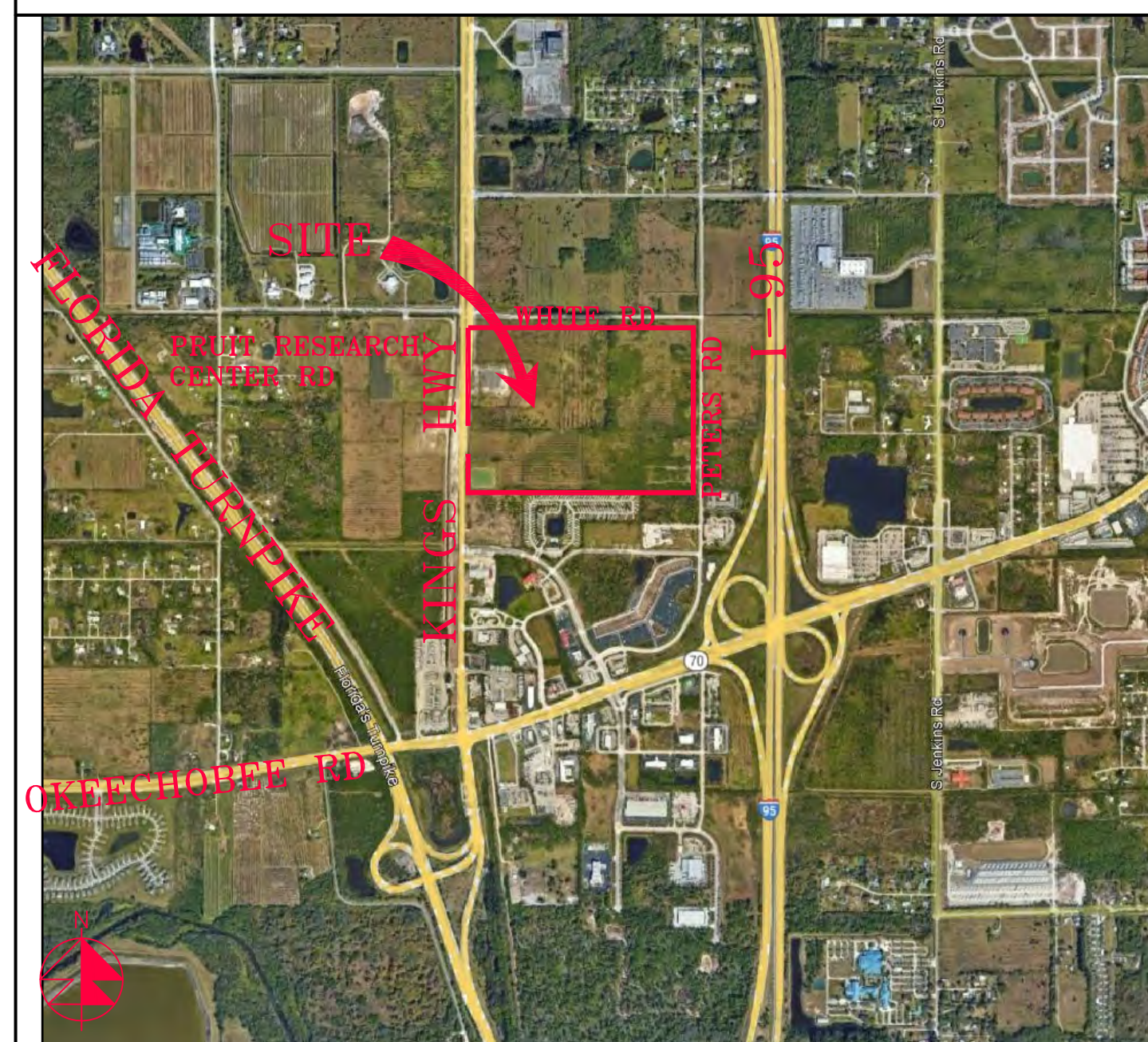
Section 24 Township 35S Range 39E  
Fort Pierce, Florida

### Developer

Scannel Properties #533, LLC

8801 River Crossing Blvd,  
Suite 300,  
Indianapolis, Indiana 46240

### Aerial



Vicinity Map

### Drawing Index

C1	Cover Sheet
C2	Pavement Marking Overall Plan
C3-C9	Pavement Marking Plans
C10	Grading, Paving, & Drainage Overall Plan
C11-C17	Grading, Paving, & Drainage Plans
C18	Water & Wastewater Overall Plan
C19-C25	Water & Wastewater Plans
C26-C29	Grading, Paving, & Drainage Details
C30	Sections
C31	Off-Site Sections
C32-C33	Water Details
C34-C35	Wastewater Details
C36-C38	Lift Station Details
C39	Pollution Prevention Plan

REVISIONS

Jeff H. Iravani, Inc.  
Consulting Engineers

1934 COMMERCE LANE, SUITE 5  
JUPITER, FLORIDA 33458  
TEL: (561) 575-6030  
FAX: (561) 575-6088  
EMAIL: jhi@hinc.com  
WEBSITE: www.hinc.com

Amazon One Grocery  
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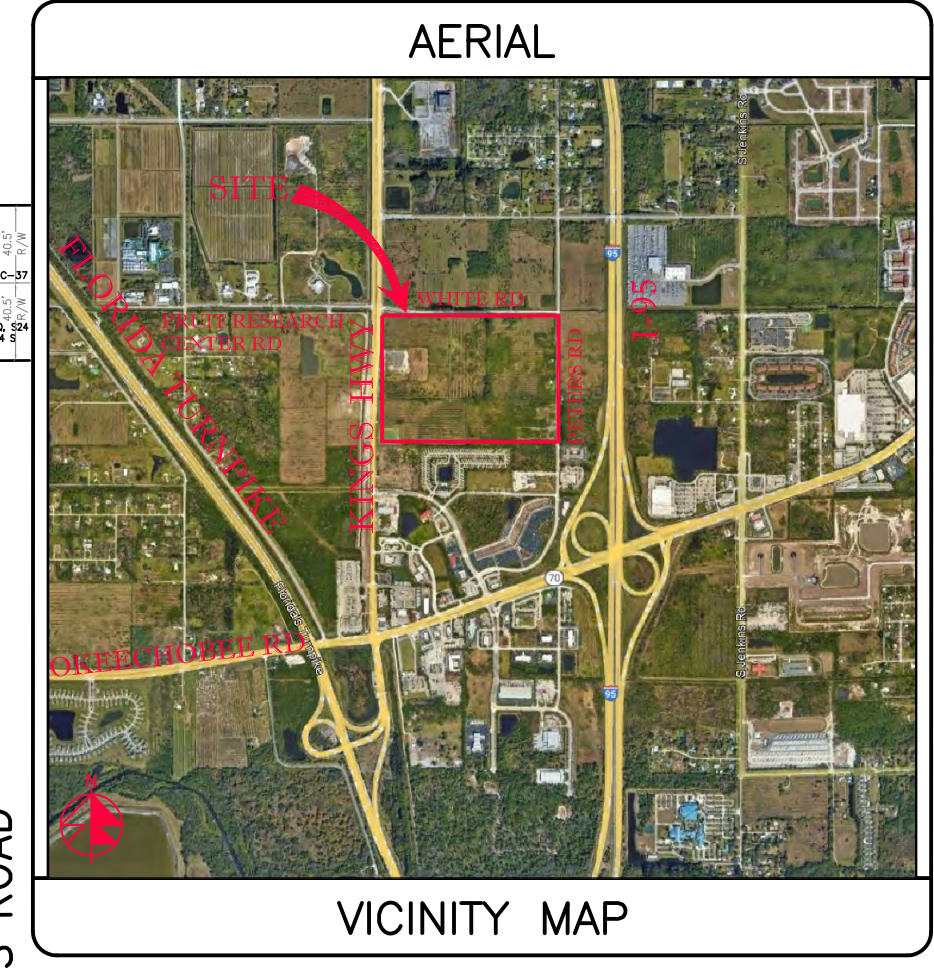
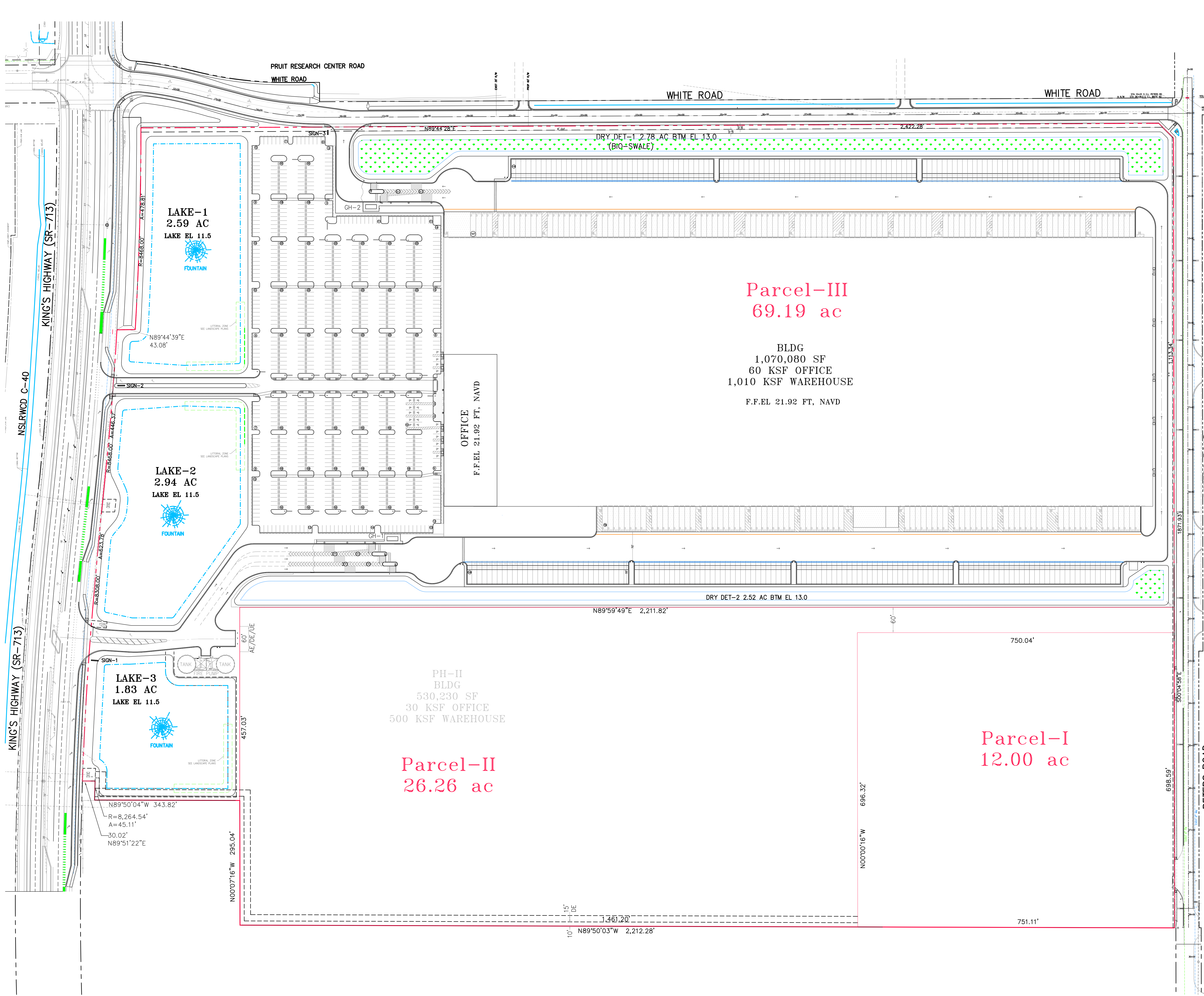
Cover Sheet

DATE: 12/24/2025  
SCALE: NA  
DESIGNED BY: JHI  
DRAWN BY: DDI  
JOB NO.: 2509-1533

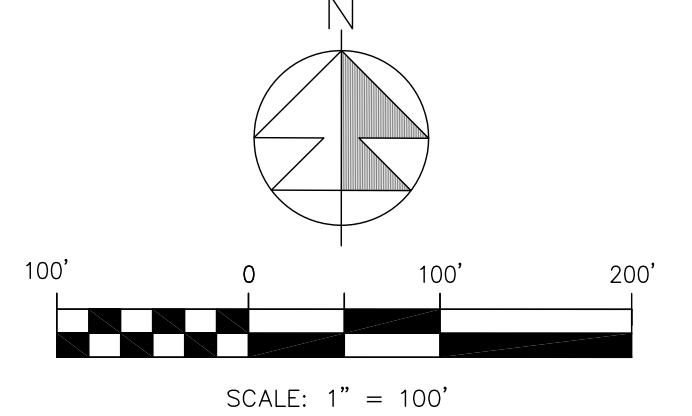
SEAL

COA 6986  
SHEET NO.

C-1



SECTION 24, TWP 35S, RGE 39E



REVISIONS

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TEL: (561) 575-6030  
FAX: (561) 575-6088  
EMAIL: jhi@jhinc.com  
WEBSITE: www.jhinc.com

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Parcel-III  
Fort Pierce, Florida

48 HOURS BEFORE DIGGING  
CALL TOLL FREE  
811  
CALL SUNSHINE  
NOTIFICATION CENTER

LEGEND

⊙ 10.7	PROP PAVT EL
⊙	EXIST EL
⊙*	CONTRACTOR TO FIELD VERIFY
INVERT	INVERT EL
CB	CATCH BASIN
YD	YARD DRAIN
BC	BOTTOM OF CURB
BE	BOTTOM EL
TO	TOP OF CURB
TE	TOP EL
EXF	EXFILTRATION TRENCH
WM	WATER MAIN
FM	FORCE MAIN
FIM	FIRE MAIN
SAN	WASTEWATER GRAVITY
GH	FIRE HYDRANT
GV	GATE VALVE
CV	GATE VALVE
SC	SIAMENSE CONN.
CV	CHECK VALVE
DD	DOUBLE DETECTOR
CV	CHECK VALVE
WM	WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
⊙	SAMPLE POINT
MES	MITERED END SECTION
F.F.EL	FIN FLOOR ELEV
F.L.EL	FLOW LINE ELEV
TOB	TOP OF BANK
TOS	TOE OF SLOPE
TOC	TOP OF CONCRETE
TV	TAPPING VALVE
CO	CLEANOUT
⊙	BORING NO. AND LOCATION
/AE	APPROVED EQUIVALENT

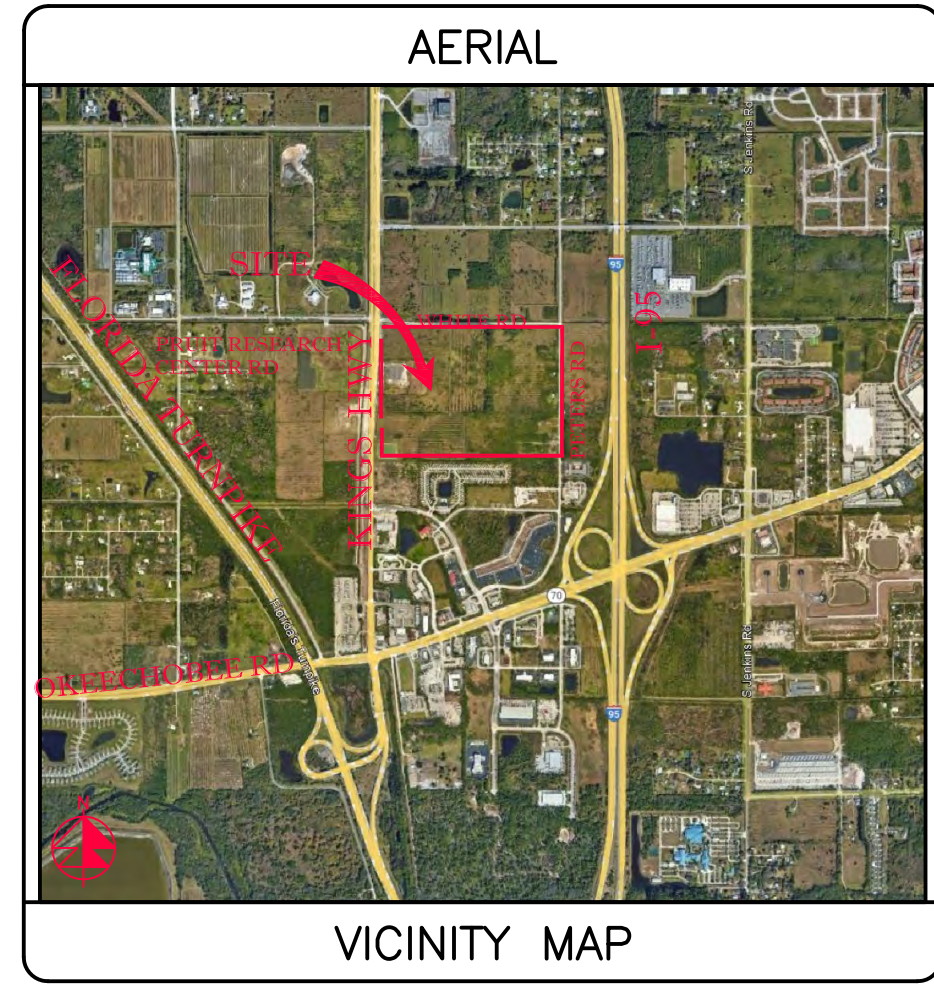
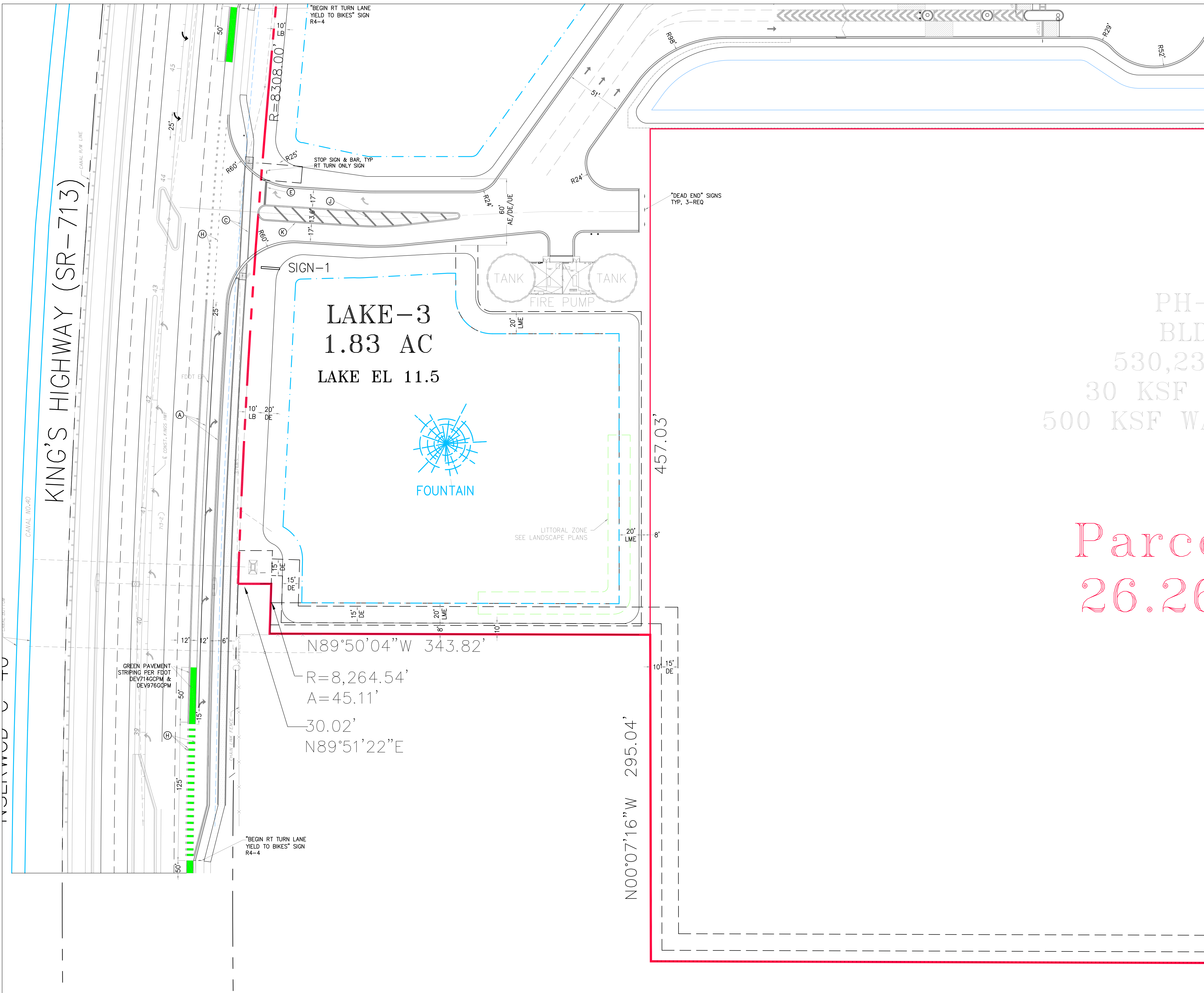
Overall Pavement Marking Plan

DATE	DESIGNED BY	DRAWN BY	JOB NO.
12/24/2025	JHI	DDI	2409-1533
SCALE	1" = 100'		

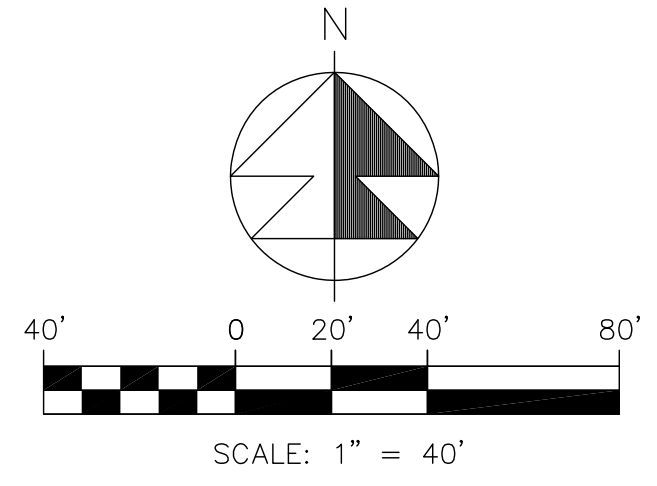
SEAL

COA 6286  
SHEET NO.  
C-2

SEE SHT C-4



SECTION 24, TWP 35S, RGE 39E



- NOTES:
- SOD ALL FOOT R/W DISTURBED BY CONSTRUCTION WITH COMMON BERMUDA SOD.
  - ALL STRIPING PERTAINING TO FOOT DRIVEWAY AND ROAD WIDENING SHALL BE THERMOPLASTIC.
  - GORE STRIPING RAISED PAVEMENT MARKERS SHALL BE INSTALLED PER FOOT STANDARD INDEX 711-001.
  - ALL CONSTRUCTION IN FOOT R/W MUST BE PERFORMED ACCORDING TO THE APPLICABLE FOOT ROADWAY AND DRAINAGE DESIGN STANDARDS AND SPECIFICATIONS.
  - STD PARKING STALL STRIPING SHALL BE TRAFFIC PAINT ALL OTHER STRIPING & PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.
  - 19"-24" DEEP ROOT BARRIERS MUST BE INSTALLED ALONG ALL CURBS & SIDEWALKS WITHIN 10' OF EXISTING OR PROPOSED TREES. (SEE LANDSCAPE PLANS).
  - SURVEYOR SHALL VERIFY ALL DIMENSIONS PRIOR & INFORM THE ENGINEER OF RECORD OF ANY DISCREPANCIES.
  - ALL HANDICAP RAMPS & DETECTABLE WARNINGS CONSTRUCTED IN ACCORD W/ DESIGN STD'S.
  - ALL CONSTRUCTION AND RESTORATION WORK WITHIN THE RIGHT-OF-WAY SHALL COMPLY WITH THE LATEST EDITION OF THE FOOT STANDARDS INDEX AND THE FOOT STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
  - CONTRACTOR SHALL PROTECT ALL INLETS & SITE PERIMETERS DURING CONSTRUCTION PER FLORIDA STORMWATER, EROSION, & SEDIMENTATION CONTROL INSPECTORS MANUAL.

STRIPING LEGEND		LEGEND	
Ⓐ 6" SOLID WHITE	PROP PAVT EL	Ⓔ 19.7	PROP PAVT EL
Ⓑ 8" SOLID WHITE	CONTRACTOR TO	Ⓕ 1/8"	EXIST EL
Ⓒ 12" SOLID WHITE	FIELD VERIFY	Ⓖ *	CONTRACTOR TO
Ⓓ 18" SOLID WHITE		Ⓗ INV EL	FIELD VERIFY
Ⓔ 24" SOLID WHITE		Ⓘ CB	INVERT EL
Ⓕ 6" SKIP WHITE TYP (10'-30')		Ⓚ YD	CATCH BASIN
Ⓖ 6" SKIP WHITE TYP (6'-10')		Ⓛ BC	YARD DRAIN
Ⓗ 6" SKIP WHITE TYP (2'-4')		Ⓜ BE	BOTTOM OF CURB
Ⓘ 6" SOLID YELLOW		Ⓨ TC	BOTTOM EL
Ⓚ 6" DOUBLE YELLOW		Ⓩ TE	TOP OF CURB
Ⓛ 6" SKIP YELLOW (10'-30')		Ⓟ EXP	TOP EL
Ⓜ 6" SKIP YELLOW TYP (6'-10')		Ⓠ WM	EXPILTRATION TRENCH
Ⓨ 6" SKIP YELLOW TYP (2'-4')		Ⓡ FM	WATER MAIN
Ⓩ PRM BI-DIRECTIONAL AMBER/AMBER		Ⓢ FIM	FORCE MAIN
Ⓟ FDP WHITE		Ⓣ SAN	FIRE MAIN
Ⓡ FDP YELLOW		Ⓤ WWT	WASTEWATER GRAVITY
Ⓢ RPM BI-DIRECTIONAL WHITE/RED		Ⓡ+H	GATE VALVE
Ⓣ RPM BI-DIRECTIONAL RED/YELLOW		Ⓢ+H	FIRE HYDRANT
		Ⓣ+H	GATE VALVE
		Ⓤ+H	GATE VALVE
		Ⓡ	SIAMASE CONN.
		Ⓢ	CHECK VALVE
		Ⓣ	DOUBLE DETECTOR
		Ⓤ	CHECK VALVE
		Ⓡ-NND	WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
		Ⓢ	SAMPLE POINT
		Ⓣ	MITERED END SECTION
		Ⓤ	FIN FLOOR ELEV
		Ⓡ	FLOW LINE ELEV
		Ⓢ	TOP OF BANK
		Ⓣ	TOP OF SLOPE
		Ⓤ	TOP OF CONCRETE
		Ⓡ	TAPPING VALVE
		Ⓢ	CLEANOUT
		Ⓣ	BORING NO. AND LOCATION
		Ⓤ	APPROVED EQUIVALENT

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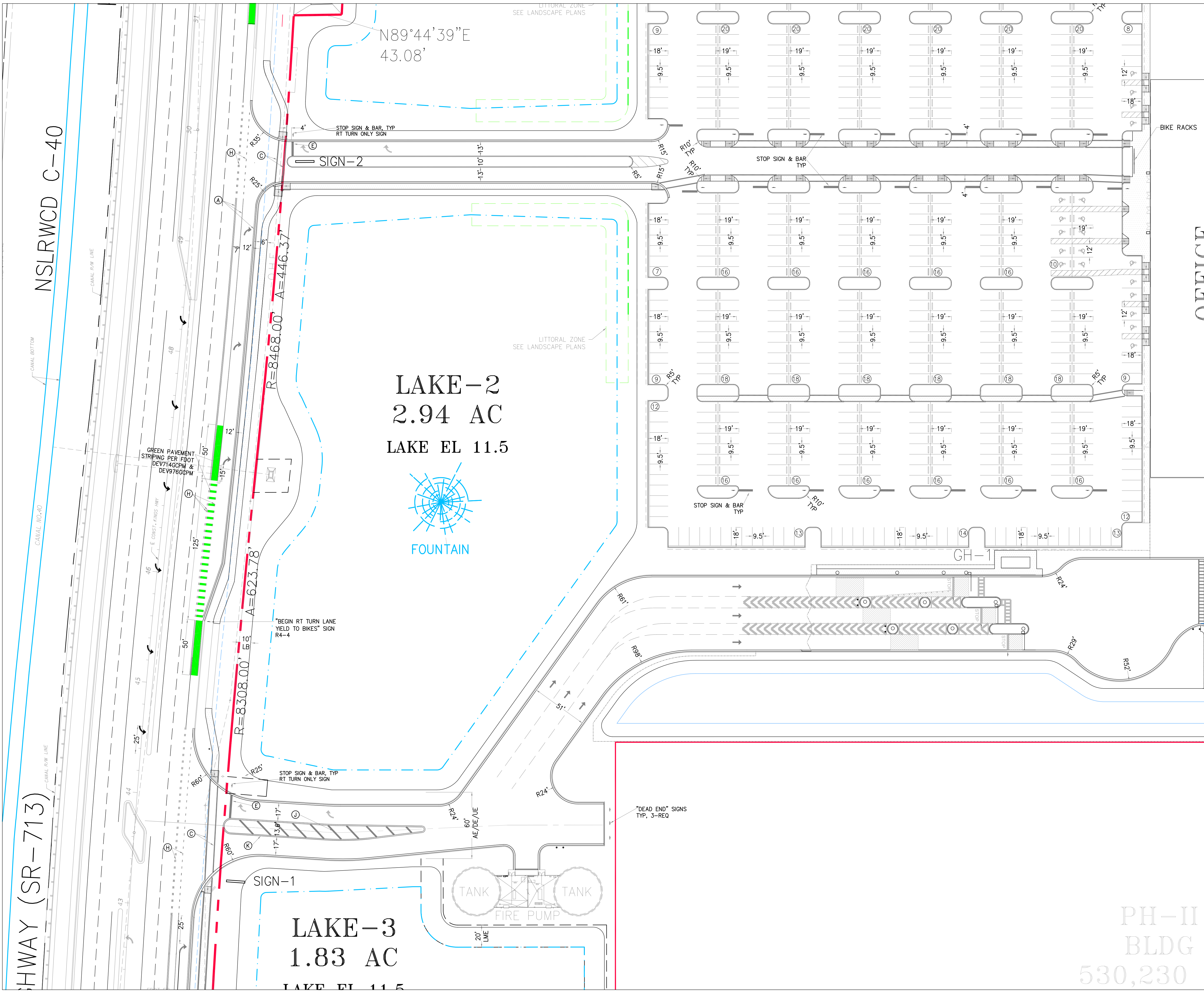
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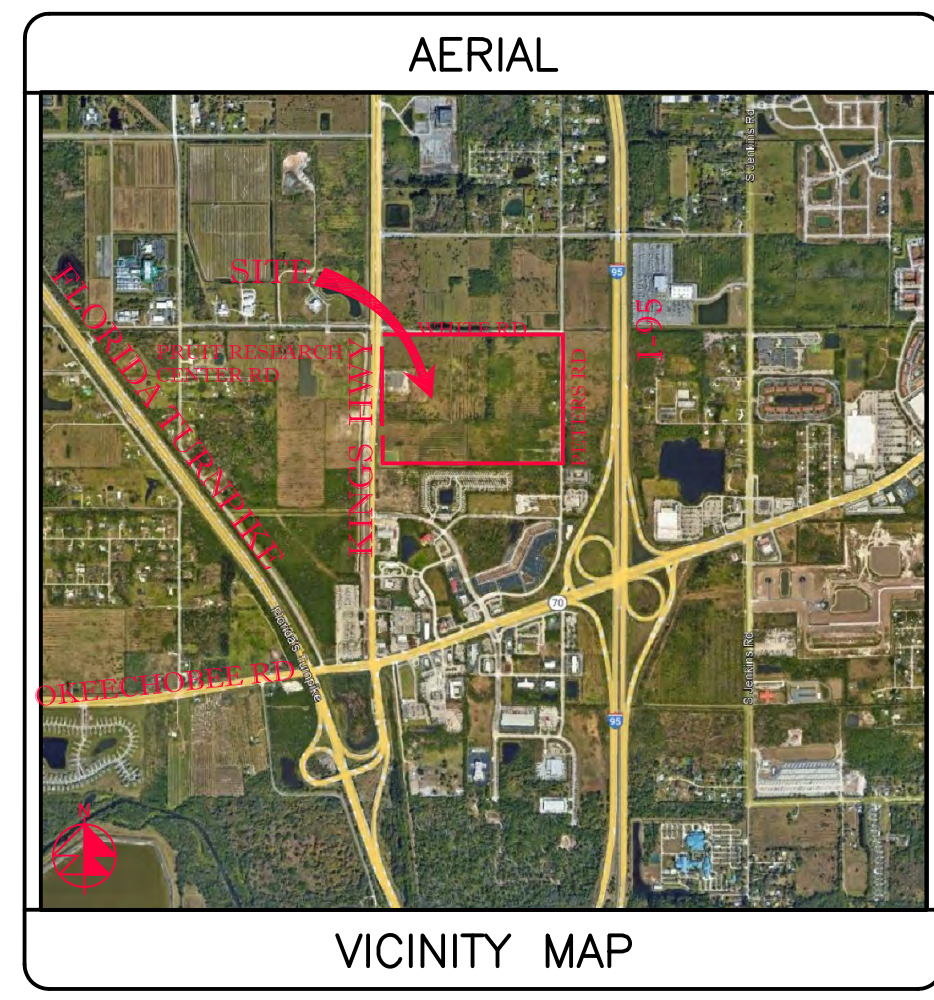
Pavement Marking Plan	
DATE	12/24/2025
SCALE	1" = 40'
DESIGNED BY	JHI
DRAWN BY	DDI
JOB NO.	2409-1533

SEAL
COA 6986 SHEET NO. C-3

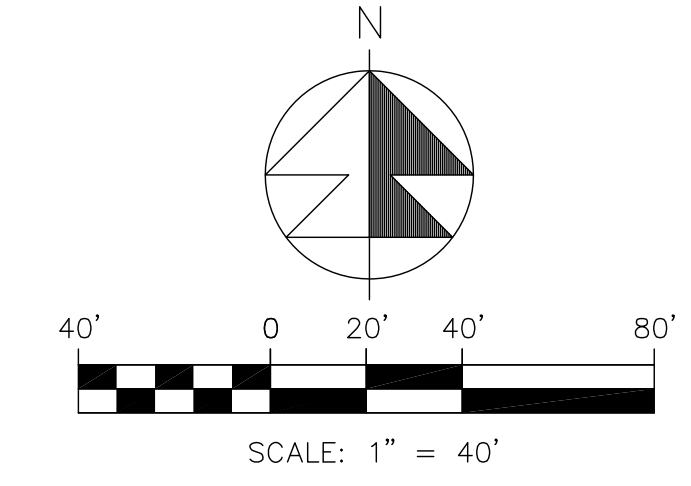
SEE SHT C-5



SEE SHT C-3



SECTION 24, TWP 35S, RGE 39E



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- SOD ALL FDOT R/W DISTURBED BY CONSTRUCTION WITH COMMON BERMUDA SOD.
  - ALL STRIPING PERTAINING TO FDOT DRIVEWAY AND ROAD WIDENING SHALL BE THERMOPLASTIC.
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  - CONTRACTOR SHALL PROTECT ALL INLETS & SITE PERIMETERS DURING CONSTRUCTION PER FLORIDA STORMWATER, EROSION, & SEDIMENTATION CONTROL INSPECTORS MANUAL.

SEE SHT C-6

STRIPING LEGEND		LEGEND	
Ⓐ 6" SOLID WHITE	PROF PAVT EL	Ⓐ 19.7	PROP PAVT EL
Ⓑ 8" SOLID WHITE	EXIST EL	Ⓐ 19.7	EXIST EL
Ⓒ 12" SOLID WHITE	CONTRACTOR TO FIELD VERIFY	Ⓐ *	CONTRACTOR TO FIELD VERIFY
Ⓓ 18" SOLID WHITE	CB	INV EL	INVERT EL
Ⓔ 6" SKIP WHITE TYP (10'-30')	YD	YD	CATCH BASIN
Ⓕ 6" SKIP WHITE TYP (6'-10')	BC	BC	YARD DRAIN
Ⓖ 6" SKIP WHITE TYP (2'-4')	BE	BE	BOTTOM OF CURB
Ⓗ 6" SOLID YELLOW	TC	TC	BOTTOM EL
Ⓘ 6" DOUBLE YELLOW	TE	TE	TOP OF CURB
Ⓚ 6" SKIP YELLOW TYP (10'-30')	EXF	EXF	TOP EL
Ⓛ 6" SKIP YELLOW TYP (6'-10')	WM	WM	EXPILTRATION TRENCH
Ⓜ 6" SKIP YELLOW TYP (2'-4')	FM	FM	WATER MAIN
Ⓝ FDP WHITE	FIM	FIM	FORCE MAIN
Ⓟ FDP YELLOW	SAN	SAN	FIRE MAIN
Ⓡ RPM BI-DIRECTIONAL WHITE/RED	WWS	WWS	WASTEWATER GRAVITY
Ⓢ RPM BI-DIRECTIONAL RED/YELLOW	FR	FR	FIRE HYDRANT
	GV	GV	GATE VALVE
	CV	CV	GATE VALVE
	SC	SC	SIAMSESE CONN.
	CV	CV	CHECK VALVE
	DD	DD	DOUBLE DETECTOR
	CC	CC	CHECK VALVE
	W	W	WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
	SP	SP	SAMPLE POINT
	MES	MES	MITERED END SECTION
	F.F.EL	F.F.EL	FIN FLOOR ELEV
	F.L.EL	F.L.EL	FLOW LINE ELEV
	T.O.B	T.O.B	TOP OF BANK
	T.O.S	T.O.S	TOE OF SLOPE
	T.O.C	T.O.C	TOP OF CONCRETE
	TV	TV	TAPPING VALVE
	CO	CO	CLEANOUT
	B	B	BORING NO. AND LOCATION
	/AE	/AE	APPROVED EQUIVALENT

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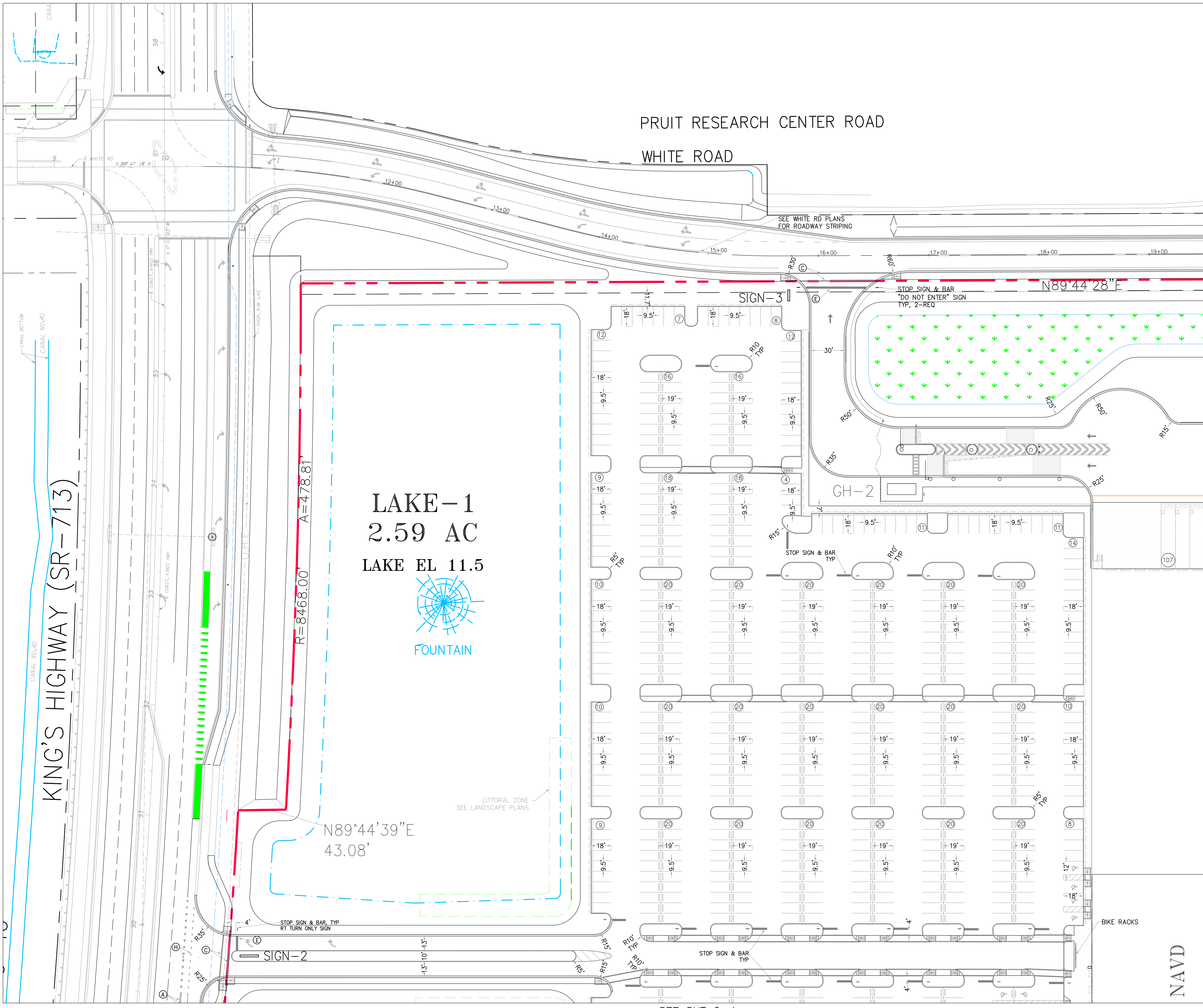
REVISIONS

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DESIGNED BY	JHI
DRAWN BY	DDI
JOB NO.	2409-1533

SEAL
COA 6986 SHEET NO. C-4

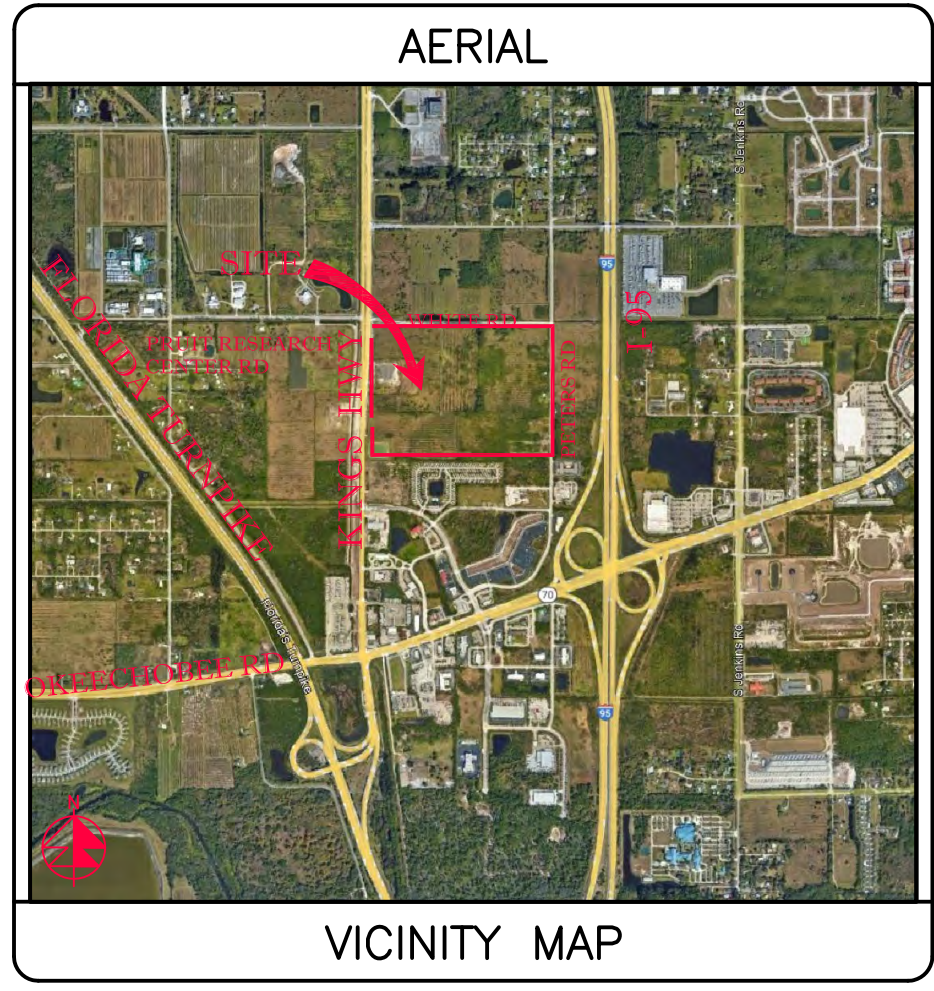


LAKE-1  
2.59 AC  
LAKE EL 11.5

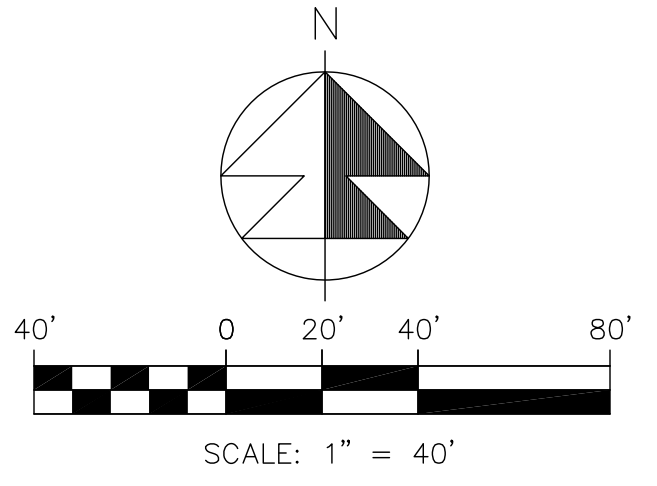


KING'S HIGHWAY (SR-713)

PRUIT RESEARCH CENTER ROAD  
WHITE ROAD



SECTION 24, TWP 35S, RGE 39E



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SEE SHT C-7

STRIPING LEGEND		LEGEND	
⊙	6" SOLID WHITE	⊙ 19.7	PROP PAVT EL
⊙	8" SOLID WHITE	⊙	EXIST EL
⊙	12" SOLID WHITE	⊙	CONTRACTOR TO FIELD VERIFY
⊙	18" SOLID WHITE	⊙	INVERT EL
⊙	24" SOLID WHITE	⊙	CATCH BASIN
⊙	6" SKIP WHITE TYP (10'-30')	⊙	YARD DRAIN
⊙	6" SKIP WHITE TYP (6'-10')	⊙	BOTTOM OF CURB
⊙	6" SKIP WHITE TYP (2'-4')	⊙	BOTTOM EL
⊙	6" SOLID YELLOW	⊙	TOP OF CURB
⊙	18" SOLID YELLOW	⊙	TOP EL
⊙	6" DOUBLE YELLOW	⊙	EXFILTRATION TRENCH
⊙	6" SKIP YELLOW (10'-30')	⊙	WATER MAIN
⊙	6" SKIP YELLOW TYP (6'-10')	⊙	FORCE MAIN
⊙	6" SKIP YELLOW TYP (2'-4')	⊙	FIRE MAIN
⊙	PRM BI-DIRECTIONAL AMBER/AMBER	⊙	WASTEWATER GRAVITY
⊙	FDP WHITE	⊙	FIRE HYDRANT
⊙	FDP YELLOW	⊙	GATE VALVE
⊙	RPM BI-DIRECTIONAL WHITE/RED	⊙	GATE VALVE
⊙	RPM BI-DIRECTIONAL RED/YELLOW	⊙	SIAMSESE CONN.
		⊙	CHECK VALVE
		⊙	DOUBLE DETECTOR
		⊙	CHECK VALVE
		⊙	WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
		⊙	SAMPLE POINT
		⊙	MITERED END SECTION
		⊙	FIN FLOOR ELEV
		⊙	F.L.E.L
		⊙	FLOW LINE ELEV
		⊙	TOP OF BANK
		⊙	TOE OF SLOPE
		⊙	TOP OF CONCRETE
		⊙	TAPPING VALVE
		⊙	CLEANOUT
		⊙	BORING NO. AND LOCATION
		⊙	APPROVED EQUIVALENT

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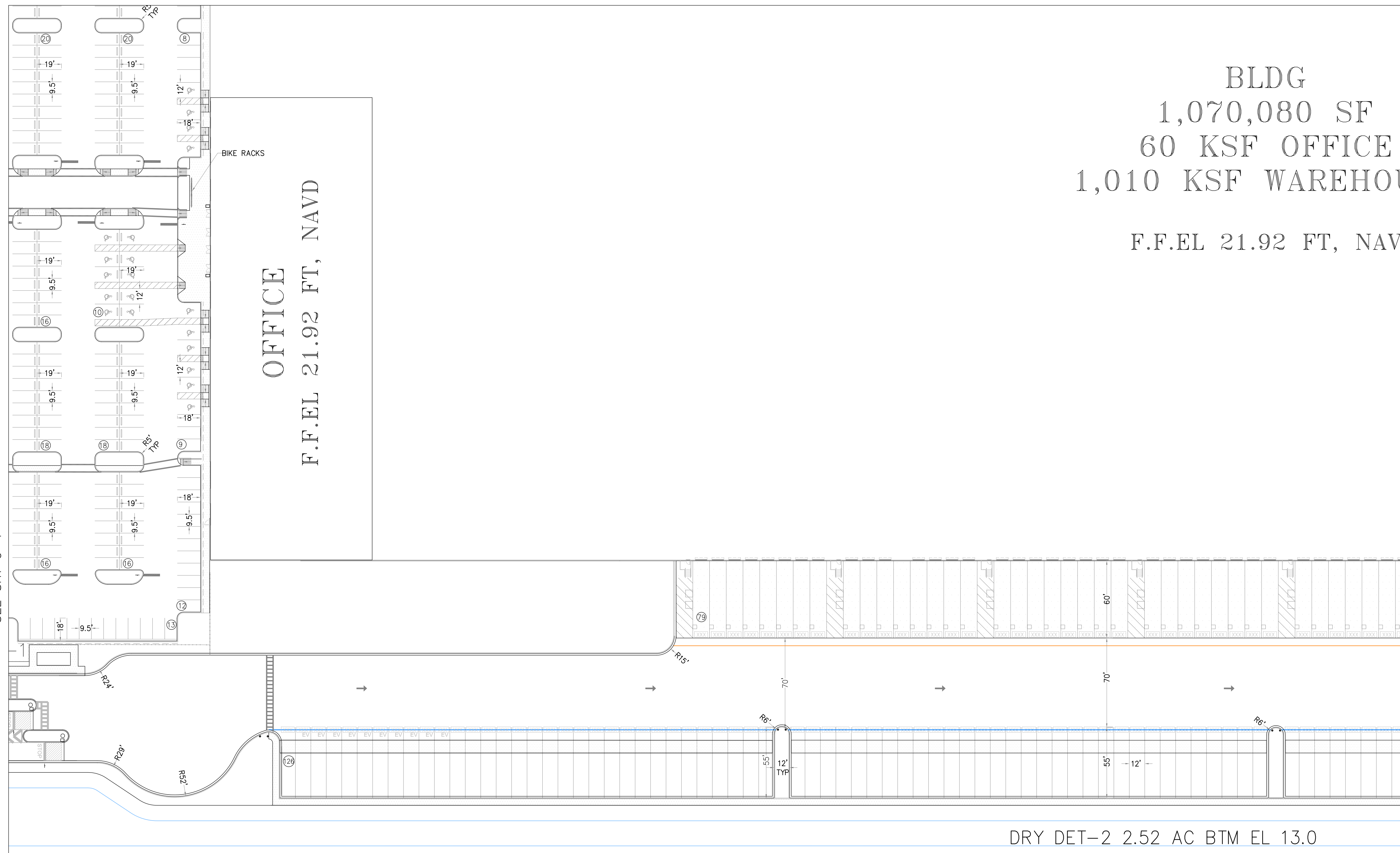
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DRAWN BY	DDI
SCALE	1" = 40'
JOB NO.	2409-1533

SEAL
COA 6896 SHEET NO. C-5

BLDG  
1,070,080 SF  
60 KSF OFFICE  
1,010 KSF WAREHOUSE  
F.F.EL 21.92 FT, NAVD

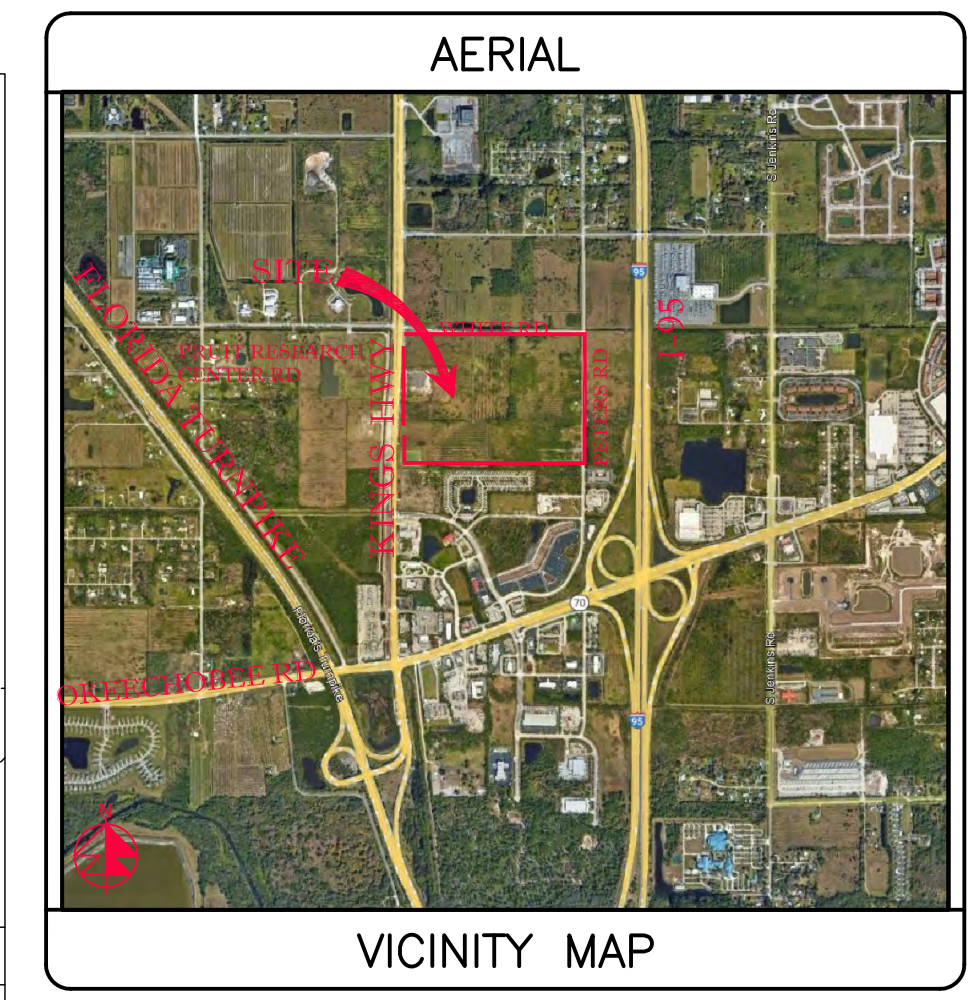


SEE SHT C-4

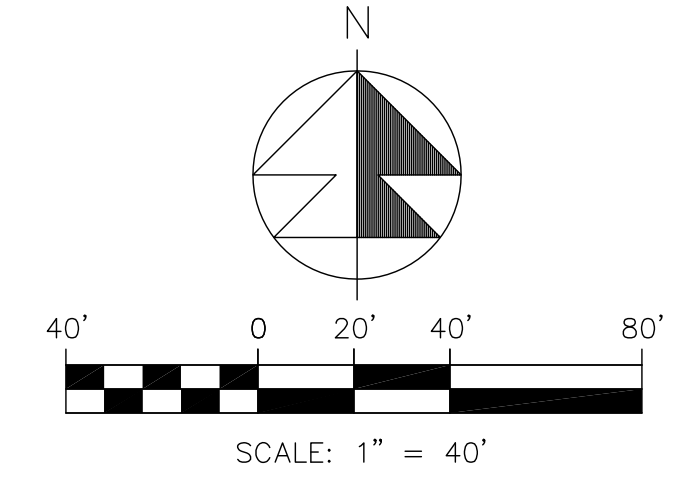
OFFICE  
F.F.EL 21.92 FT, NAVD

PH-II  
BLDG  
530,230 SF

N89°59'49"E 2,211.82'



SECTION 24, TWP 35S, RGE 39E



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- SOD ALL FDOT R/W DISTURBED BY CONSTRUCTION WITH COMMON BERMUDA SOD.
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SEE SHT C-8

STRIPING LEGEND		LEGEND	
⊙ 6" SOLID WHITE	⊙ 19.7 PROP PAVT EL	⊙ 19.7 PROP PAVT EL	⊙ 19.7 PROP PAVT EL
⊙ 8" SOLID WHITE	⊙ 19.7 EXIST EL	⊙ 19.7 EXIST EL	⊙ 19.7 EXIST EL
⊙ 12" SOLID WHITE	⊙ 19.7 CONTRACTOR TO FIELD VERIFY	⊙ 19.7 CONTRACTOR TO FIELD VERIFY	⊙ 19.7 CONTRACTOR TO FIELD VERIFY
⊙ 18" SOLID WHITE	⊙ 19.7 INVERT EL	⊙ 19.7 INVERT EL	⊙ 19.7 INVERT EL
⊙ 24" SOLID WHITE	⊙ 19.7 CATCH BASIN	⊙ 19.7 CATCH BASIN	⊙ 19.7 CATCH BASIN
⊙ 6" SKIP WHITE TYP (10'-30')	⊙ 19.7 YARD DRAIN	⊙ 19.7 YARD DRAIN	⊙ 19.7 YARD DRAIN
⊙ 6" SKIP WHITE TYP (6'-10')	⊙ 19.7 BOTTOM OF CURB	⊙ 19.7 BOTTOM OF CURB	⊙ 19.7 BOTTOM OF CURB
⊙ 6" SKIP WHITE TYP (2'-4')	⊙ 19.7 BE BOTTOM EL	⊙ 19.7 BE BOTTOM EL	⊙ 19.7 BE BOTTOM EL
⊙ 6" SOLID YELLOW	⊙ 19.7 TC TOP OF CURB	⊙ 19.7 TC TOP OF CURB	⊙ 19.7 TC TOP OF CURB
⊙ 18" SOLID YELLOW	⊙ 19.7 TE TOP EL	⊙ 19.7 TE TOP EL	⊙ 19.7 TE TOP EL
⊙ 6" DOUBLE YELLOW	⊙ 19.7 EXF EXFILTRATION TRENCH	⊙ 19.7 EXF EXFILTRATION TRENCH	⊙ 19.7 EXF EXFILTRATION TRENCH
⊙ 6" SKIP YELLOW (10'-30')	⊙ 19.7 WM WATER MAIN	⊙ 19.7 WM WATER MAIN	⊙ 19.7 WM WATER MAIN
⊙ 6" SKIP YELLOW TYP (6'-10')	⊙ 19.7 FM FORCE MAIN	⊙ 19.7 FM FORCE MAIN	⊙ 19.7 FM FORCE MAIN
⊙ 6" SKIP YELLOW TYP (2'-4')	⊙ 19.7 FM FIRE MAIN	⊙ 19.7 FM FIRE MAIN	⊙ 19.7 FM FIRE MAIN
⊙ FDP WHITE	⊙ 19.7 SAN WASTEWATER GRAVITY	⊙ 19.7 SAN WASTEWATER GRAVITY	⊙ 19.7 SAN WASTEWATER GRAVITY
⊙ FDP YELLOW	⊙ 19.7 FH FIRE HYDRANT	⊙ 19.7 FH FIRE HYDRANT	⊙ 19.7 FH FIRE HYDRANT
⊙ RPM BI-DIRECTIONAL WHITE/RED	⊙ 19.7 CV GATE VALVE	⊙ 19.7 CV GATE VALVE	⊙ 19.7 CV GATE VALVE
⊙ RPM BI-DIRECTIONAL RED/YELLOW	⊙ 19.7 SV GATE VALVE	⊙ 19.7 SV GATE VALVE	⊙ 19.7 SV GATE VALVE
	⊙ 19.7 SC SIAMESE CONN.	⊙ 19.7 SC SIAMESE CONN.	⊙ 19.7 SC SIAMESE CONN.
	⊙ 19.7 CV CHECK VALVE	⊙ 19.7 CV CHECK VALVE	⊙ 19.7 CV CHECK VALVE
	⊙ 19.7 DD DOUBLE DETECTOR	⊙ 19.7 DD DOUBLE DETECTOR	⊙ 19.7 DD DOUBLE DETECTOR
	⊙ 19.7 CV CHECK VALVE	⊙ 19.7 CV CHECK VALVE	⊙ 19.7 CV CHECK VALVE
	⊙ 19.7 WM WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.	⊙ 19.7 WM WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.	⊙ 19.7 WM WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
	⊙ 19.7 SP SAMPLE POINT	⊙ 19.7 SP SAMPLE POINT	⊙ 19.7 SP SAMPLE POINT
	⊙ 19.7 MES MITERED END SECTION	⊙ 19.7 MES MITERED END SECTION	⊙ 19.7 MES MITERED END SECTION
	⊙ 19.7 F.F.EL FIN FLOOR ELEV	⊙ 19.7 F.F.EL FIN FLOOR ELEV	⊙ 19.7 F.F.EL FIN FLOOR ELEV
	⊙ 19.7 F.L.EL FLOW LINE ELEV	⊙ 19.7 F.L.EL FLOW LINE ELEV	⊙ 19.7 F.L.EL FLOW LINE ELEV
	⊙ 19.7 TOB TOP OF BANK	⊙ 19.7 TOB TOP OF BANK	⊙ 19.7 TOB TOP OF BANK
	⊙ 19.7 TOS TOE OF SLOPE	⊙ 19.7 TOS TOE OF SLOPE	⊙ 19.7 TOS TOE OF SLOPE
	⊙ 19.7 TV TOP OF CONCRETE	⊙ 19.7 TV TOP OF CONCRETE	⊙ 19.7 TV TOP OF CONCRETE
	⊙ 19.7 TOC TOP OF CONCRETE	⊙ 19.7 TOC TOP OF CONCRETE	⊙ 19.7 TOC TOP OF CONCRETE
	⊙ 19.7 TV TAPPING VALVE	⊙ 19.7 TV TAPPING VALVE	⊙ 19.7 TV TAPPING VALVE
	⊙ 19.7 CO CLEANOUT	⊙ 19.7 CO CLEANOUT	⊙ 19.7 CO CLEANOUT
	⊙ 19.7 BN BORING NO. AND LOCATION	⊙ 19.7 BN BORING NO. AND LOCATION	⊙ 19.7 BN BORING NO. AND LOCATION
	⊙ 19.7 /AE APPROVED EQUIVALENT	⊙ 19.7 /AE APPROVED EQUIVALENT	⊙ 19.7 /AE APPROVED EQUIVALENT

48 HOURS BEFORE DIGGING  
CALL TOLL FREE  
811  
CALL SUNSHINE  
NOTIFICATION CENTER

REVISIONS

**Jeff H. Iravani, Inc.**  
Consulting Engineers

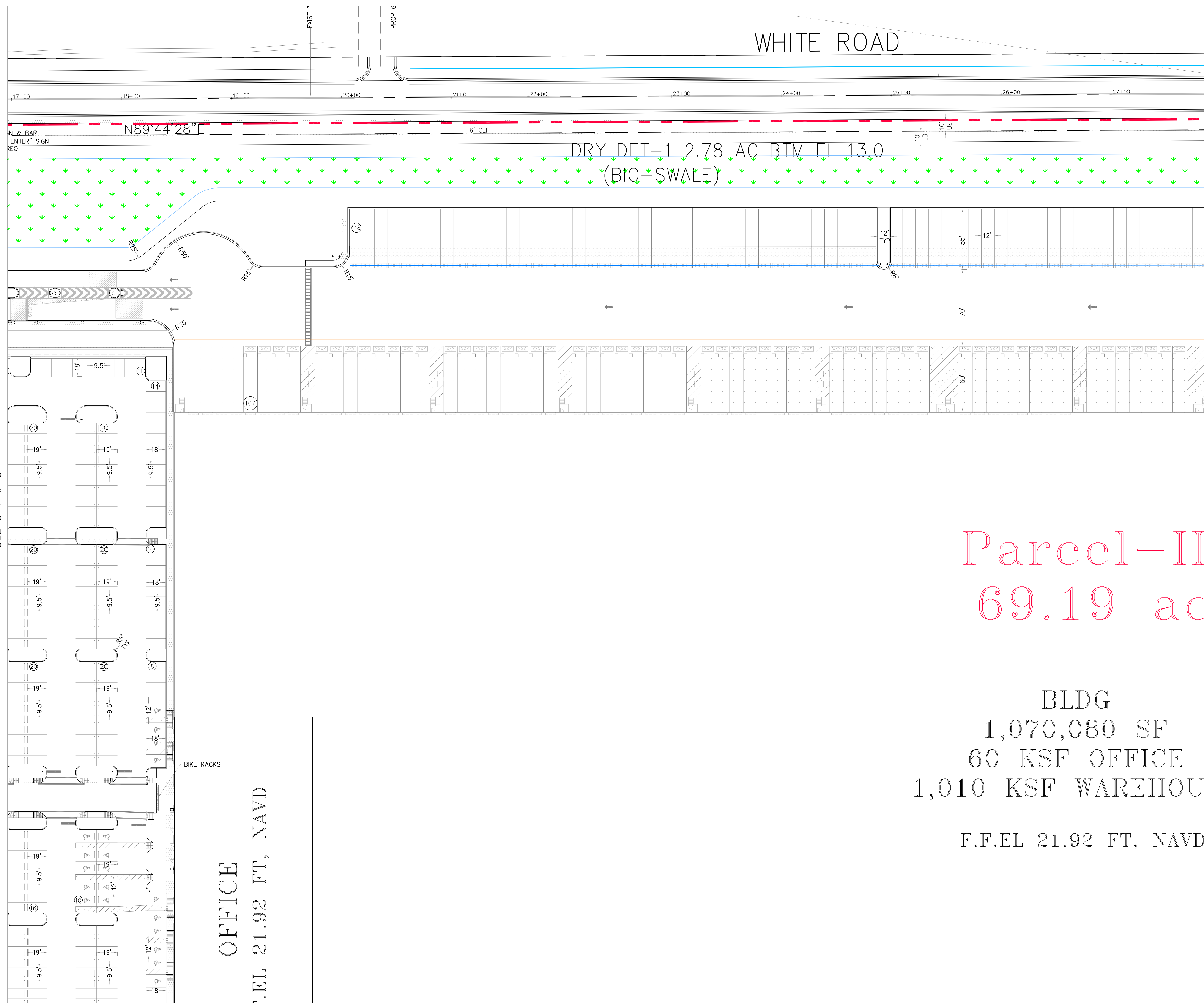
1934 COMMERCE LANE, SUITE 5  
JUPITER, FLORIDA 33458  
TEL: (561) 575-6030  
FAX: (561) 575-6088  
EMAIL: [jhi@jhinc.com](mailto:jhi@jhinc.com)  
WEBSITE: [www.jhinc.com](http://www.jhinc.com)

**Amazon One Grocery**  
HFLI

Kings Highway Commerce Park  
Parcel-III  
Fort Pierce, Florida

Pavement Marking Plan	
DATE	12/24/2025
SCALE	1" = 40'
DESIGNED BY	JHI
DRAWN BY	DDI
JOB NO.	2409-1533

SEAL
COA 6986 SHEET NO. C-6



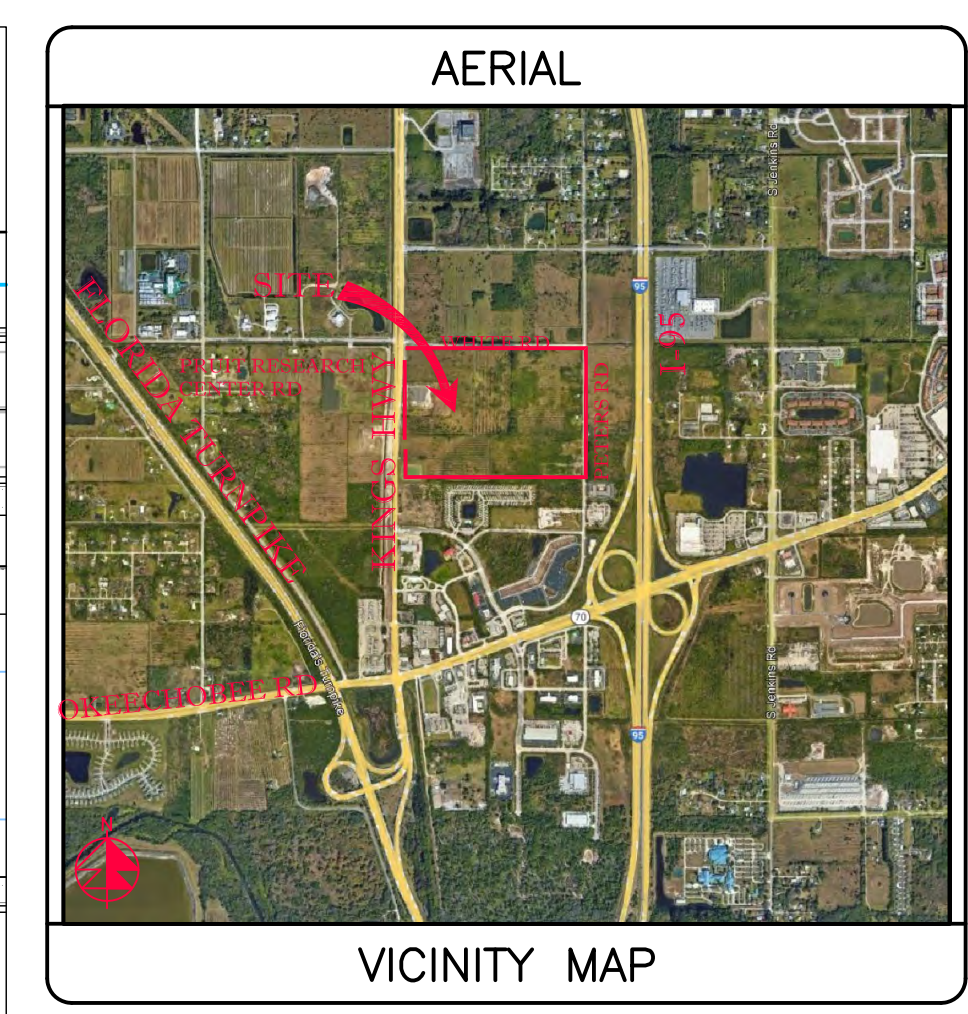
WHITE ROAD

DRY\_DET=1 2.78 AC BTM EL 13.0  
(BIQ-SWALE)

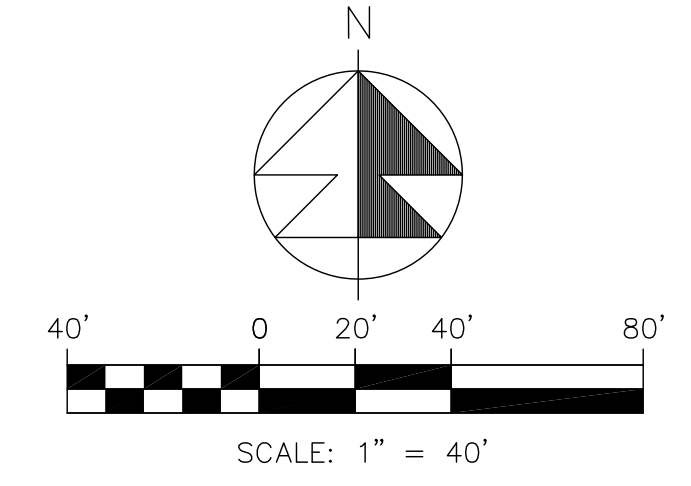
Parcel-II  
69.19 ac

BLDG  
1,070,080 SF  
60 KSF OFFICE  
1,010 KSF WAREHOUSE  
F.F.EL 21.92 FT, NAVD

OFFICE  
F.F.EL 21.92 FT, NAVD



SECTION 24, TWP 35S, RGE 39E



- NOTES:
- SOD ALL FDOT R/W DISTURBED BY CONSTRUCTION WITH COMMON BERMUDA SOD.
  - ALL STRIPING PERTAINING TO FDOT DRIVEWAY AND ROAD WIDENING SHALL BE THERMOPLASTIC.
  - GORE STRIPING RAISED PAVEMENT MARKERS SHALL BE INSTALLED PER FDOT STANDARD INDEX 711-001.
  - ALL CONSTRUCTION IN FDOT R/W MUST BE PERFORMED ACCORDING TO THE APPLICABLE FDOT ROADWAY AND DRAINAGE DESIGN STANDARDS AND SPECIFICATIONS.
  - STD PARKING STALL STRIPING SHALL BE TRAFFIC PAINT ALL OTHER STRIPING & PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.
  - 19"-24" DEEP ROOT BARRIERS MUST BE INSTALLED ALONG ALL CURBS & SIDEWALKS WITHIN 10' OF EXISTING OR PROPOSED TREES. (SEE LANDSCAPE PLANS).
  - SURVEYOR SHALL VERIFY ALL DIMENSIONS PRIOR & INFORM THE ENGINEER OF RECORD OF ANY DISCREPANCIES.
  - ALL HANDICAP RAMPS & DETECTABLE WARNINGS CONSTRUCTED IN ACCORD W/ DESIGN STD'S.
  - ALL CONSTRUCTION AND RESTORATION WORK WITHIN THE RIGHT-OF-WAY SHALL COMPLY WITH THE LATEST EDITION OF THE FDOT STANDARDS INDEX AND THE FDOT STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
  - CONTRACTOR SHALL PROTECT ALL INLETS & SITE PERIMETERS DURING CONSTRUCTION PER FLORIDA STORMWATER, EROSION, & SEDIMENTATION CONTROL INSPECTORS MANUAL.

SEE SHT C-9

STRIPING LEGEND		LEGEND	
⊙ 6" SOLID WHITE	⊙ 19.7 PROP PAVT EL	⊙ 19.7 PROP PAVT EL	⊙ 19.7 PROP PAVT EL
⊙ 8" SOLID WHITE	⊙ 19.7 EXIST EL	⊙ 19.7 EXIST EL	⊙ 19.7 EXIST EL
⊙ 12" SOLID WHITE	⊙ 19.7 CONTRACTOR TO FIELD VERIFY	⊙ 19.7 CONTRACTOR TO FIELD VERIFY	⊙ 19.7 CONTRACTOR TO FIELD VERIFY
⊙ 18" SOLID WHITE	* INV EL	* INV EL	* INV EL
⊙ 24" SOLID WHITE	CB CATON	CB CATON	CB CATON
⊙ 6" SKIP WHITE TYP (10'-30')	YD YARD DRAIN	YD YARD DRAIN	YD YARD DRAIN
⊙ 6" SKIP WHITE TYP (6'-10')	BC BOTTOM OF CURB	BC BOTTOM OF CURB	BC BOTTOM OF CURB
⊙ 6" SKIP WHITE TYP (2'-4')	BE BOTTOM EL	BE BOTTOM EL	BE BOTTOM EL
⊙ 6" SOLID YELLOW	TC TOP OF CURB	TC TOP OF CURB	TC TOP OF CURB
⊙ 18" SOLID YELLOW	TE TOP EL	TE TOP EL	TE TOP EL
⊙ 6" DOUBLE YELLOW	EXF EXFILTRATION TRENCH	EXF EXFILTRATION TRENCH	EXF EXFILTRATION TRENCH
⊙ 6" SKIP YELLOW (10'-30')	WM WATER MAIN	WM WATER MAIN	WM WATER MAIN
⊙ 6" SKIP YELLOW TYP (6'-10')	FM FORCE MAIN	FM FORCE MAIN	FM FORCE MAIN
⊙ 6" SKIP YELLOW TYP (2'-4')	FIM FIRE MAIN	FIM FIRE MAIN	FIM FIRE MAIN
⊙ FDP WHITE	SAN WASTEWATER GRAVITY	SAN WASTEWATER GRAVITY	SAN WASTEWATER GRAVITY
⊙ FDP YELLOW	⊙ FIRE HYDRANT	⊙ FIRE HYDRANT	⊙ FIRE HYDRANT
⊙ RPM BI-DIRECTIONAL WHITE/RED	⊙ GATE VALVE	⊙ GATE VALVE	⊙ GATE VALVE
⊙ RPM BI-DIRECTIONAL RED/YELLOW	⊙ GATE VALVE	⊙ GATE VALVE	⊙ GATE VALVE
	⊙ SIAMESE CONN.	⊙ SIAMESE CONN.	⊙ SIAMESE CONN.
	⊙ CHECK VALVE	⊙ CHECK VALVE	⊙ CHECK VALVE
	⊙ DOUBLE DETECTOR	⊙ DOUBLE DETECTOR	⊙ DOUBLE DETECTOR
	⊙ CHECK VALVE	⊙ CHECK VALVE	⊙ CHECK VALVE
	⊙ WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.	⊙ WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.	⊙ WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
	⊙ SAMPLE POINT	⊙ SAMPLE POINT	⊙ SAMPLE POINT
	⊙ MITERED END SECTION	⊙ MITERED END SECTION	⊙ MITERED END SECTION
	⊙ FIN FLOOR ELEV	⊙ FIN FLOOR ELEV	⊙ FIN FLOOR ELEV
	⊙ F.L.EL FLOW LINE ELEV	⊙ F.L.EL FLOW LINE ELEV	⊙ F.L.EL FLOW LINE ELEV
	⊙ TOB TOP OF BANK	⊙ TOB TOP OF BANK	⊙ TOB TOP OF BANK
	⊙ TOE OF SLOPE	⊙ TOE OF SLOPE	⊙ TOE OF SLOPE
	⊙ TV TOP OF CONCRETE	⊙ TV TOP OF CONCRETE	⊙ TV TOP OF CONCRETE
	⊙ TAPPING VALVE	⊙ TAPPING VALVE	⊙ TAPPING VALVE
	⊙ CO CLEANOUT	⊙ CO CLEANOUT	⊙ CO CLEANOUT
	⊙ BORING NO. AND LOCATION	⊙ BORING NO. AND LOCATION	⊙ BORING NO. AND LOCATION
	⊙ /AE APPROVED EQUIVALENT	⊙ /AE APPROVED EQUIVALENT	⊙ /AE APPROVED EQUIVALENT

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CALL TOLL FREE  
811  
CALL SUNSHINE  
NOTIFICATION CENTER

REVISIONS

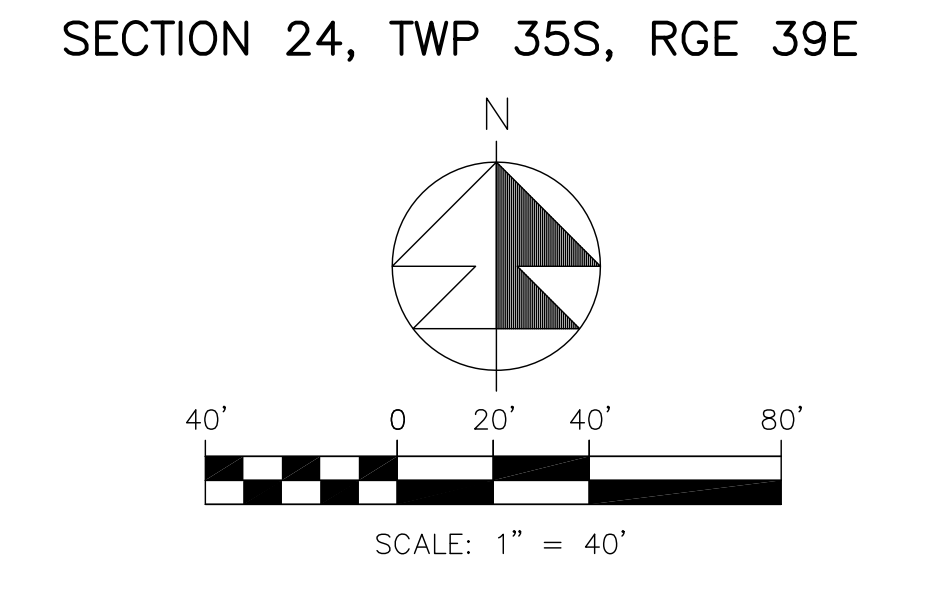
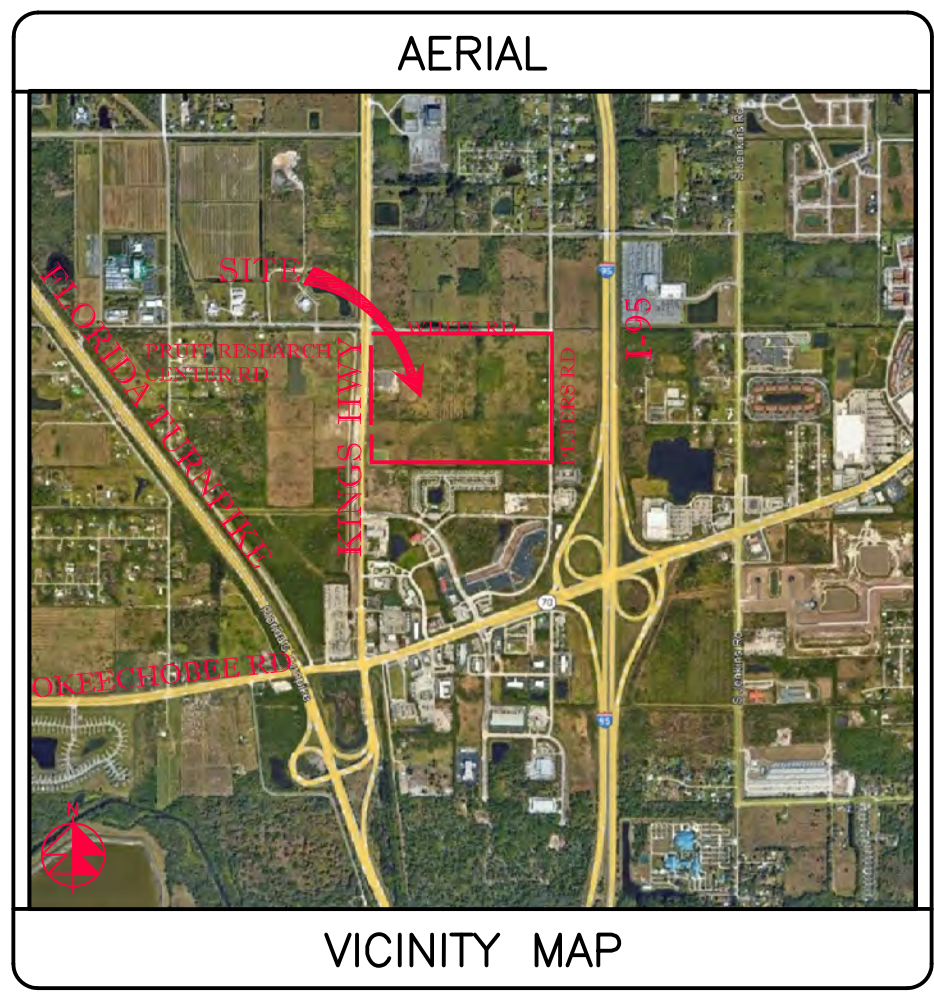
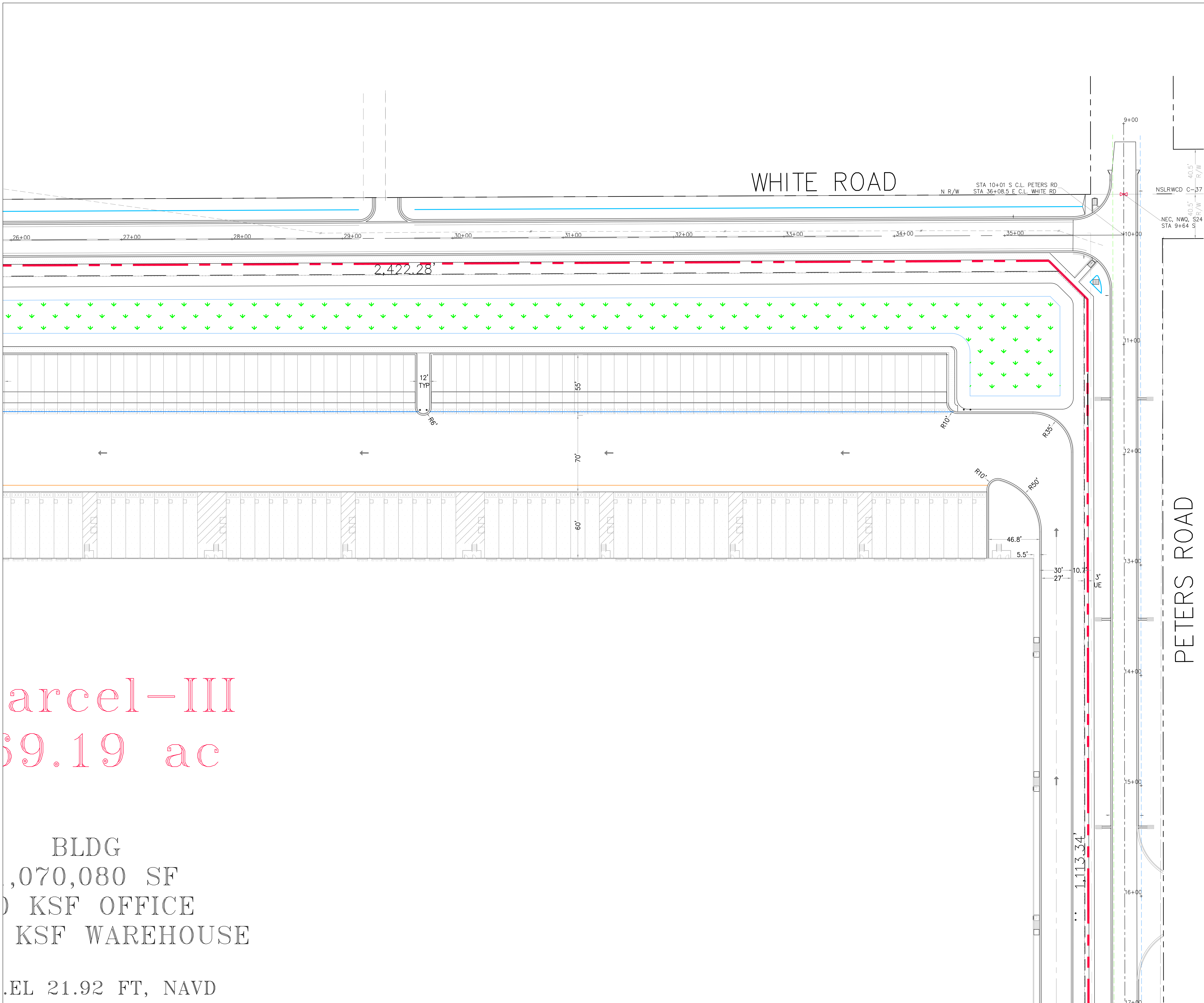
**Jeff H. Iravani, Inc.**  
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JUPITER, FLORIDA 33458  
TEL: (561) 575-6030  
FAX: (561) 575-6088  
EMAIL: jh@jhinc.com  
WEBSITE: www.jhinc.com

**Amazon One Grocery**  
HFLI  
Kings Highway Commerce Park  
Parcel-III  
Fort Pierce, Florida

Pavement Marking Plan	
DATE	12/24/2025
DESIGNED BY	JHI
DRAWN BY	DDI
JOB NO.	2409-1533

SEAL	
COA 6886	SHEET NO.
C-7	





- NOTES:
- SOD ALL FDOT R/W DISTURBED BY CONSTRUCTION WITH COMMON BERMUDA SOD.
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STRIPING LEGEND		LEGEND	
⊙ 6" SOLID WHITE	⊙ 19.7 PROP PAVT EL	⊙ 19.7 PROP PAVT EL	⊙ 19.7 PROP PAVT EL
⊙ 8" SOLID WHITE	⊙ 19.7 EXIST EL	⊙ 19.7 EXIST EL	⊙ 19.7 EXIST EL
⊙ 12" SOLID WHITE	⊙ 19.7 CONTRACTOR TO FIELD VERIFY	⊙ 19.7 CONTRACTOR TO FIELD VERIFY	⊙ 19.7 CONTRACTOR TO FIELD VERIFY
⊙ 18" SOLID WHITE	* INV EL	* INV EL	* INV EL
⊙ 24" SOLID WHITE	CB CATON BASIN	CB CATON BASIN	CB CATON BASIN
⊙ 6" SKIP WHITE TYP (10'-30')	CD YARD DRAIN	CD YARD DRAIN	CD YARD DRAIN
⊙ 6" SKIP WHITE TYP (6'-10')	BC BOTTOM OF CURB	BC BOTTOM OF CURB	BC BOTTOM OF CURB
⊙ 6" SKIP WHITE TYP (2'-4')	BE BOTTOM EL	BE BOTTOM EL	BE BOTTOM EL
⊙ 6" SOLID YELLOW	TC TOP OF CURB	TC TOP OF CURB	TC TOP OF CURB
⊙ 18" SOLID YELLOW	TE TOP EL	TE TOP EL	TE TOP EL
⊙ 6" DOUBLE YELLOW	EXF EXFILTRATION TRENCH	EXF EXFILTRATION TRENCH	EXF EXFILTRATION TRENCH
⊙ 6" SKIP YELLOW (10'-30')	WM WATER MAIN	WM WATER MAIN	WM WATER MAIN
⊙ 6" SKIP YELLOW TYP (6'-10')	FM FORCE MAIN	FM FORCE MAIN	FM FORCE MAIN
⊙ 6" SKIP YELLOW TYP (2'-4')	FIM FIRE MAIN	FIM FIRE MAIN	FIM FIRE MAIN
⊙ FDP WHITE	SAN WASTEWATER GRAVITY	SAN WASTEWATER GRAVITY	SAN WASTEWATER GRAVITY
⊙ FDP YELLOW	⊕ FIRE HYDRANT	⊕ FIRE HYDRANT	⊕ FIRE HYDRANT
⊙ RPM BI-DIRECTIONAL WHITE/RED	⊕ GATE VALVE	⊕ GATE VALVE	⊕ GATE VALVE
⊙ RPM BI-DIRECTIONAL RED/YELLOW	⊕ GATE VALVE	⊕ GATE VALVE	⊕ GATE VALVE
	⊕ SIAMESE CONN.	⊕ SIAMESE CONN.	⊕ SIAMESE CONN.
	⊕ CHECK VALVE	⊕ CHECK VALVE	⊕ CHECK VALVE
	⊕ DOUBLE DETECTOR	⊕ DOUBLE DETECTOR	⊕ DOUBLE DETECTOR
	⊕ CHECK VALVE	⊕ CHECK VALVE	⊕ CHECK VALVE
	⊕ WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.	⊕ WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.	⊕ WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
	⊕ SAMPLE POINT	⊕ SAMPLE POINT	⊕ SAMPLE POINT
	⊕ MITERED END SECTION	⊕ MITERED END SECTION	⊕ MITERED END SECTION
	⊕ FIN FLOOR ELEV	⊕ FIN FLOOR ELEV	⊕ FIN FLOOR ELEV
	⊕ FLOW LINE ELEV	⊕ FLOW LINE ELEV	⊕ FLOW LINE ELEV
	⊕ TOP OF BANK	⊕ TOP OF BANK	⊕ TOP OF BANK
	⊕ TOE OF SLOPE	⊕ TOE OF SLOPE	⊕ TOE OF SLOPE
	⊕ TOP OF CONCRETE	⊕ TOP OF CONCRETE	⊕ TOP OF CONCRETE
	⊕ TAPPING VALVE	⊕ TAPPING VALVE	⊕ TAPPING VALVE
	⊕ CLEANOUT	⊕ CLEANOUT	⊕ CLEANOUT
	⊕ BORING NO. AND LOCATION	⊕ BORING NO. AND LOCATION	⊕ BORING NO. AND LOCATION
	⊕ APPROVED EQUIVALENT	⊕ APPROVED EQUIVALENT	⊕ APPROVED EQUIVALENT

48 HOURS BEFORE DIGGING  
CALL TOLL FREE  
811  
CALL SUNSHINE  
NOTIFICATION CENTER

Parcel-III  
59.19 ac

BLDG  
1,070,080 SF  
KSF OFFICE  
KSF WAREHOUSE  
ELEV 21.92 FT, NAVD

REVISIONS

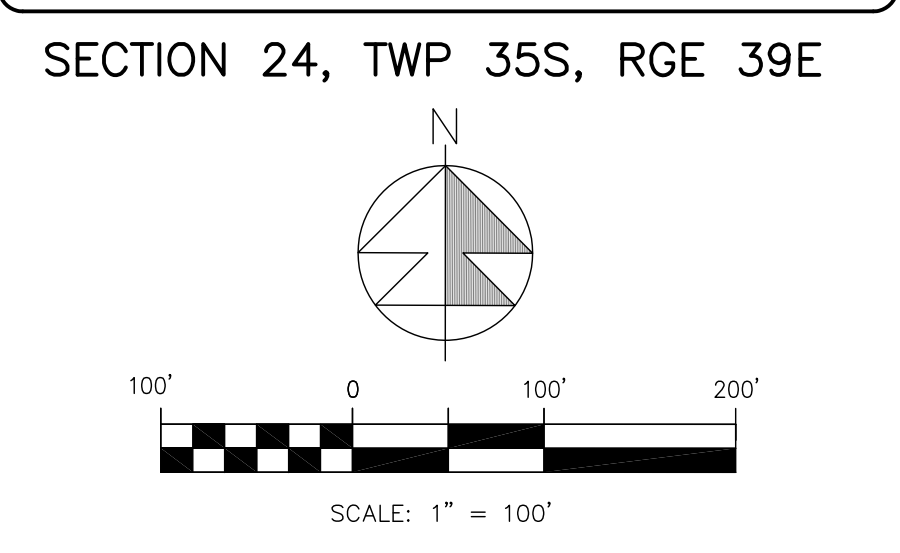
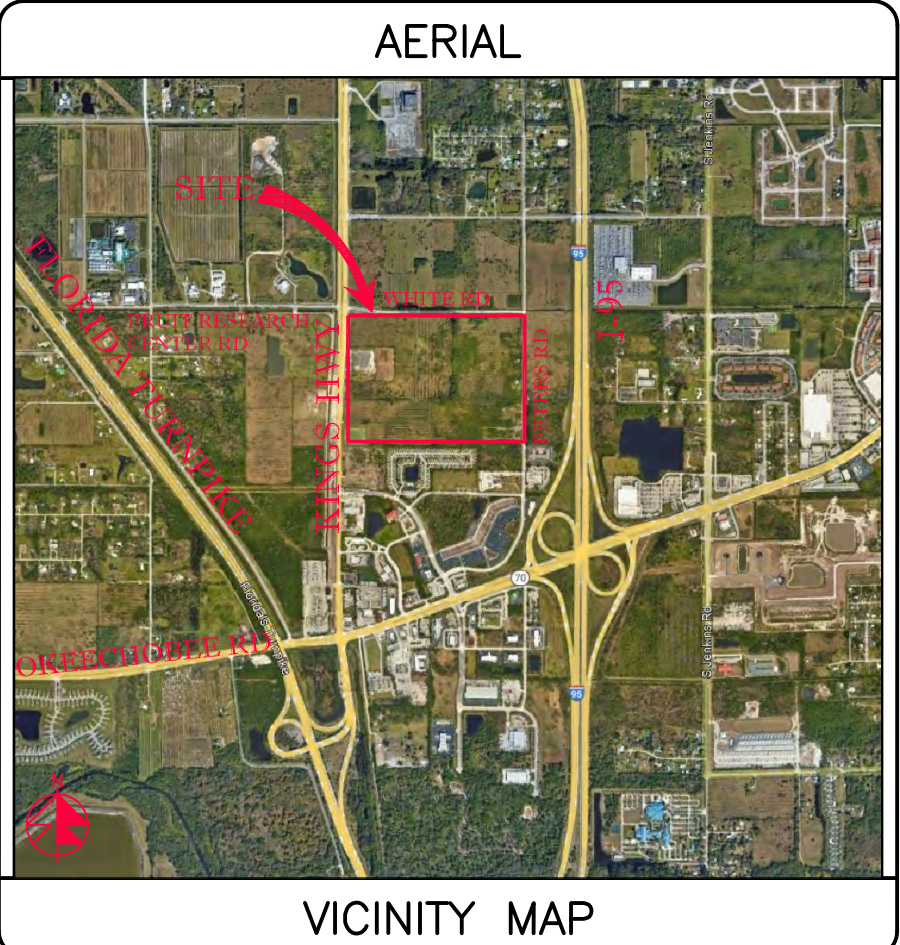
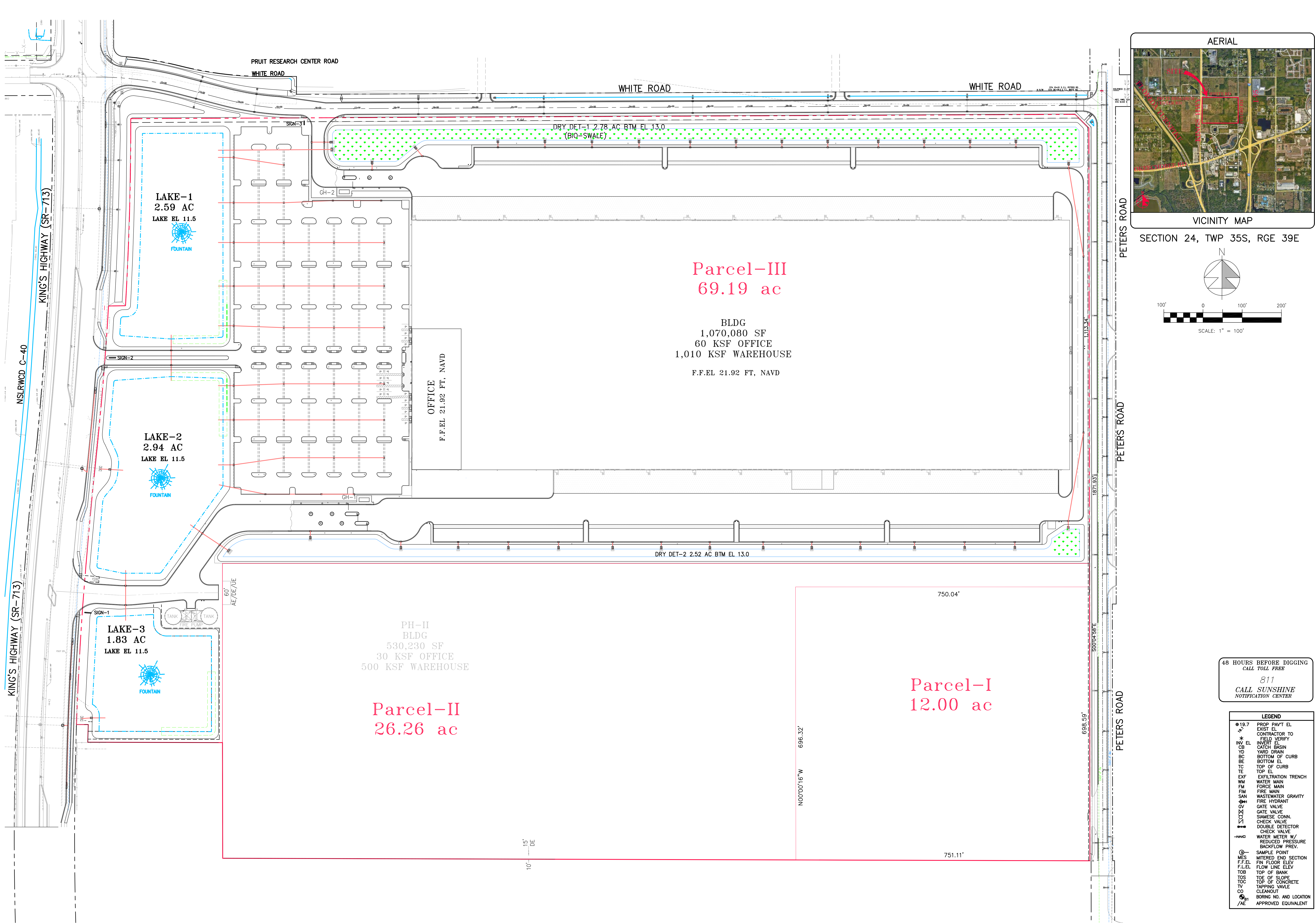
**Jeff H. Iravani, Inc.**  
Consulting Engineers

1934 COMMERCE LANE, SUITE 5  
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TEL: (561) 575-6030  
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EMAIL: jh@jhinc.com  
WEBSITE: www.jhinc.com

**Amazon One Grocery**  
HFLI  
Kings Highway Commerce Park  
Parcel-III  
Fort Pierce, Florida

Pavement Marking Plan	
DATE	12/24/2025
DESIGNED BY	JHI
DRAWN BY	DDI
JOB NO.	2409-1533

SEAL
COA 6886 SHEET NO. C-9



REVISIONS

**Jeff H. Iravani, Inc.**  
 Consulting Engineers  
 1934 COMMERCE LANE, SUITE 5  
 JUPITER, FLORIDA 33458  
 TEL: (561) 575-6030  
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**Amazon One Grocery**  
 HFL1  
 Kings Highway Commerce Park  
 Parcel-III  
 Fort Pierce, Florida

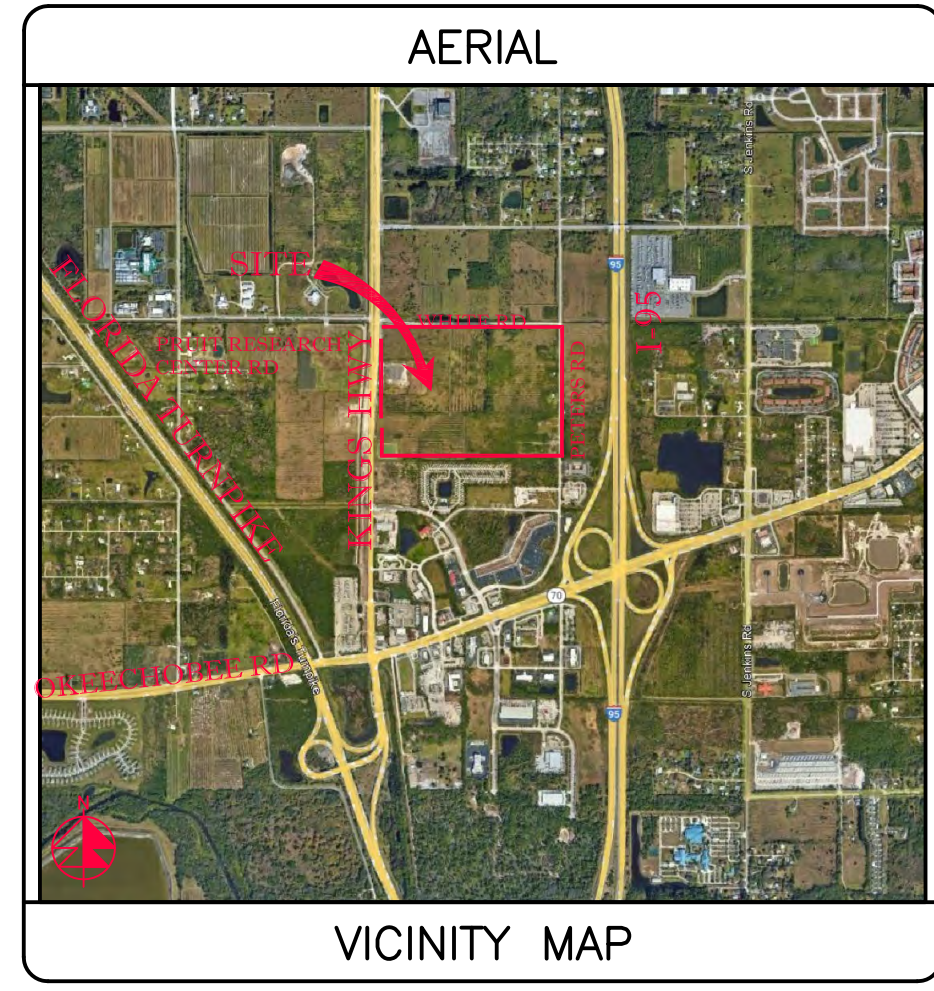
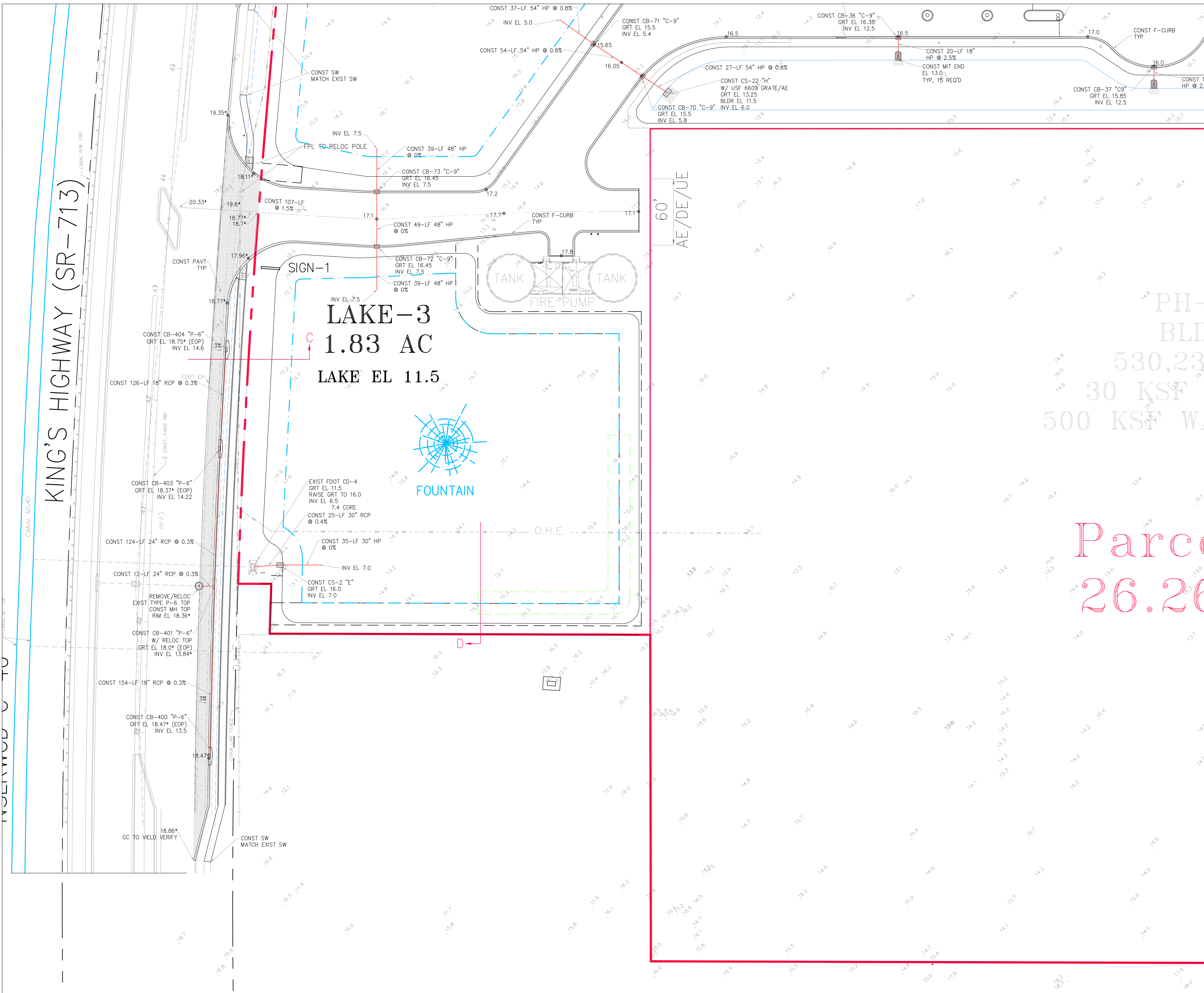
Overall Grading, Paving, & Drainage Plan			
DATE	DESIGNED BY	DRAWN BY	JOB NO.
12/24/2025	JHI	DDI	2409-1533
SCALE	1" = 100'		

48 HOURS BEFORE DIGGING  
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 NOTIFICATION CENTER

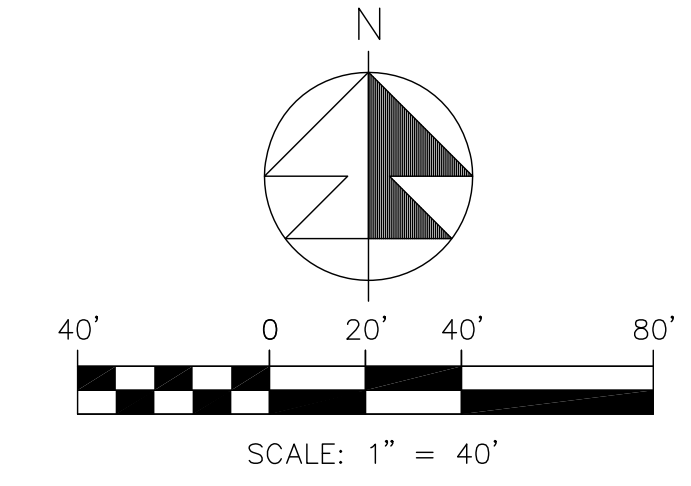
LEGEND	
⊙ 19.7	PROP PAVT EL
⊙	EXIST EL
⊙	CONTRACTOR TO FIELD VERIFY
INV *	INVERT EL
CB	CATCH BASIN
YD	YARD DRAIN
BC	BOTTOM OF CURB
BE	BOTTOM EL
TO	TOP OF CURB
TE	TOP EL
EXF	EXFILTRATION TRENCH
WM	WATER MAIN
FM	FORCE MAIN
FIM	FIRE MAIN
SAN	WASTEWATER GRAVITY
⊙	FIRE HYDRANT
GV	GATE VALVE
⊙	GATE VALVE
⊙	SIAMENSE CONN.
⊙	CHECK VALVE
⊙	DOUBLE DETECTOR
⊙	CHECK VALVE
---ND	WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
⊙	SAMPLE POINT
MES	MITERED END SECTION
F.F.EL	FIN FLOOR ELEV
F.LEL	FLOW LINE ELEV
TOB	TOP OF BANK
TOS	TOE OF SLOPE
TOC	TOP OF CONCRETE
TV	TAPPING VALVE
CO	CLEANOUT
⊙	BORING NO. AND LOCATION
/AE	APPROVED EQUIVALENT

SEAL  
 COA 6286  
 SHEET NO.  
 C-10

SEE SHT C-12



SECTION 24, TWP 35S, RGE 39E



- NOTES:
1. GRATE EL OF TYPE-9 INLETS ARE AT THE GUTTER FLOWLINE.
  2. TYPE "C-9" STRUCTURES SHALL BE TYPE "C" BOX WITH TYPE "9" GRATE PER FDOT INDEX 425-052.
  3. ALL OTHER INLET GRATES SHALL BE USF HEAVY DUTY LOADING GRATES. CS-11 & CS-22 SHALL USE STEEL USF 6609 GRATE /AE.
  4. ALL EXIST INFO & TOPO ARE PER MAGELLAN SURVEYING & MAPPING, INC. DWG # 21-020. ALL ELEVATIONS ARE IN FT, NAVD 1988.
  5. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL DRAINAGE STRUCTURES, PIPES, SUBGRADE MATERIAL, BASE MATERIAL, ASPHALT PAVEMENT SPEC, CONCRETE MIX DESIGN AT THE MINIMUM PRIOR TO CONSTRUCTION.
  6. INLETS SHALL BE PROTECTED DURING CONSTRUCTION PER FLORIDA STORMWATER, EROSION, & SEDIMENTATION CONTROL INSPECTORS MANUAL.
  7. ALL CATCH BASINS LOCATED IN E/F-CURB SHALL HAVE USF 6168 FRAME & GRATE.
  8. ALL CATCH BASINS AND MANHOLES SHALL HAVE TURBIDITY CONTROL BARRIERS PER DETAIL DURING THE CONST PHASE OF THE PROJECT.
  9. CONTRACTOR SHALL CONSTRUCT SILT FENCE AT P/L.
  10. ACCESSIBLE ROUTES INCL SW'S, HANDICAP RAMPS & DET WARNINGS SHALL CONFORM TO 2010 US DOJ "STD'S FOR ACCESSIBLE DESIGN", FBC CHAPTER 11, & FDOT INDEX 522-002.
  11. CONTRACTOR SHALL PROTECT ALL INLETS & SITE PERIMETERS DURING CONSTRUCTION PER FLORIDA STORMWATER, EROSION, & SEDIMENTATION CONTROL INSPECTORS MANUAL.
  12. PAVT SHALL BE 1.8" ABOVE THE INLET GRATE & E/F-CURB
  13. ALL D-CURBS SHALL TERMINATE WITH 2' TAPER.
  14. ALL CATCH BASINS TYPES REFER TO FDOT INDEX 425-052.
  15. ADS HP STORM PIPE MAY BE SUBSTITUTED FOR RCP PIPE PENDING EOR APPROVAL. CONTRACTOR TO PROVIDE AN ALTERNATE BID FOR ADS PIPE.

LEGEND	
19.7	PROP PAVT EL
18.1	EXIST EL
18.1	CONTRACTOR TO FIELD VERIFY
*	FIELD VERIFY
INV EL	INVERT EL
CB	CATCH BASIN
YD	YARD DRAIN
BC	BOTTOM OF CURB
BE	BOTTOM EL
TC	TOP OF CURB
TE	TOP EL
EXF	EXFILTRATION TRENCH
WM	WATER MAIN
FM	FORCE MAIN
FIM	FIRE MAIN
SAN	WASTEWATER GRAVITY
19.1	FIRE HYDRANT
CV	GATE VALVE
19.1	GATE VALVE
19.1	SIAMESE CONN.
19.1	CHECK VALVE
19.1	DOUBLE DETECTOR
19.1	CHECK VALVE
19.1	WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
19.1	SAMPLE POINT
19.1	MITERED END SECTION
F.F.E.L	FIN FLOOR ELEV
T.O.B	TOP OF BANK
T.O.S	TOP OF SLOPE
TV	TOP OF CONCRETE TAPPING VALVE
CO	CLEANOUT
19.1	BORING NO. AND LOCATION
/AE	APPROVED EQUIVALENT

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HFLI  
Kings Highway Commerce Park  
Parcel-III  
Fort Pierce, Florida

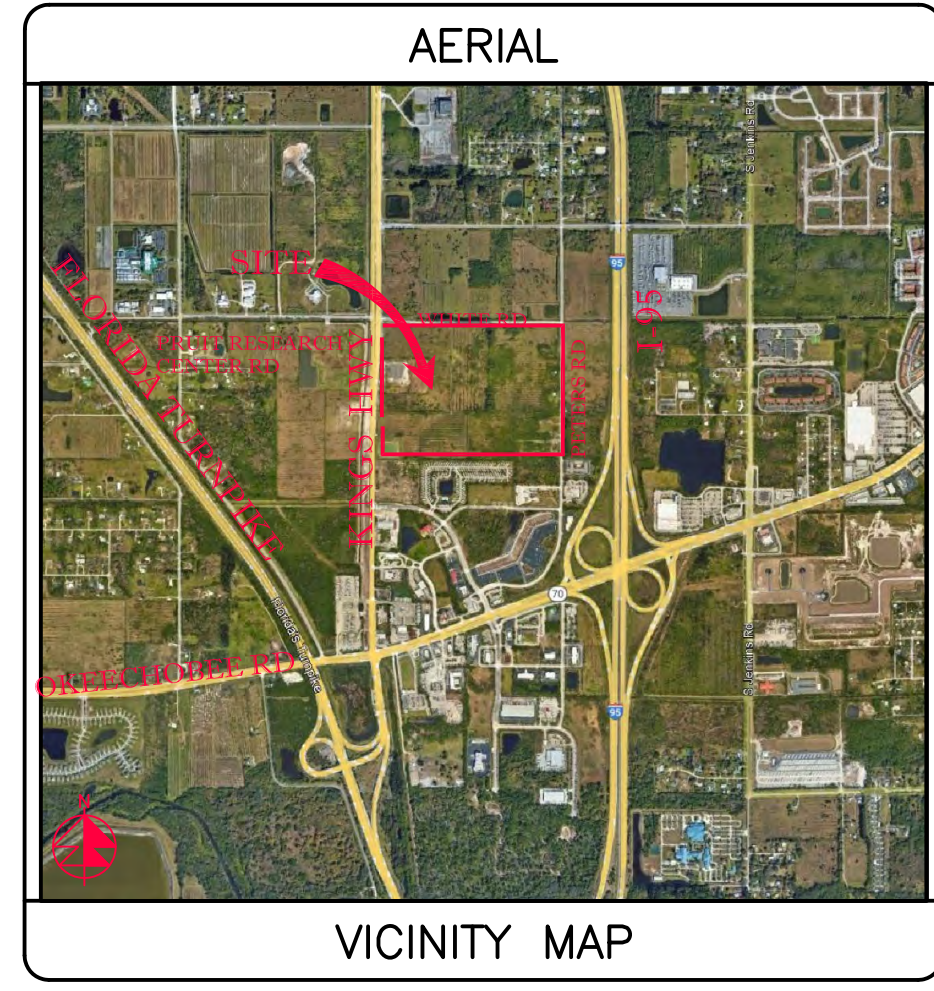
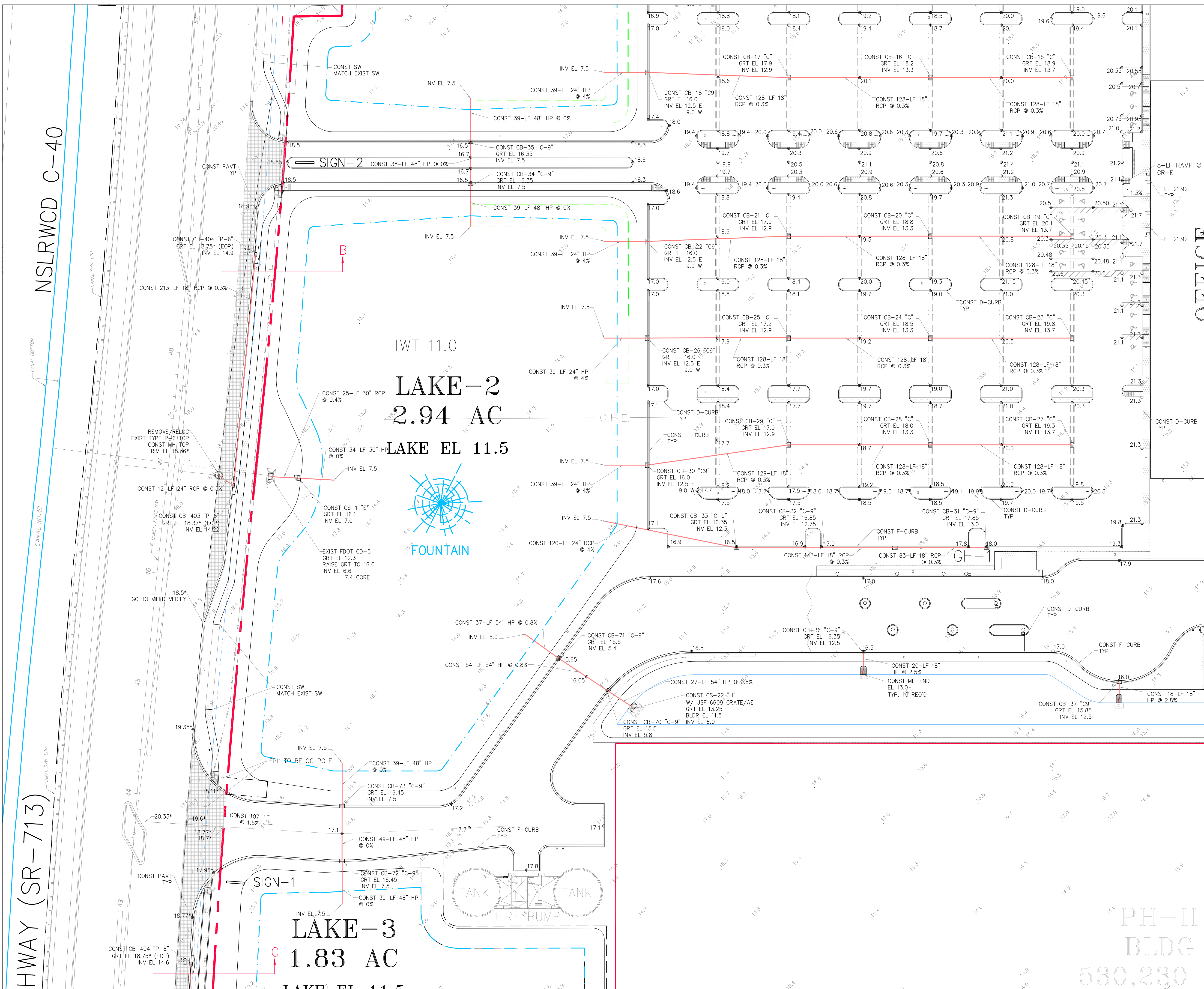
Grading, Paving & Drainage Plan	
DATE	12/24/2025
DESIGNED BY	JHI
DRAWN BY	DDI
JOB NO.	2409-1533

SEAL

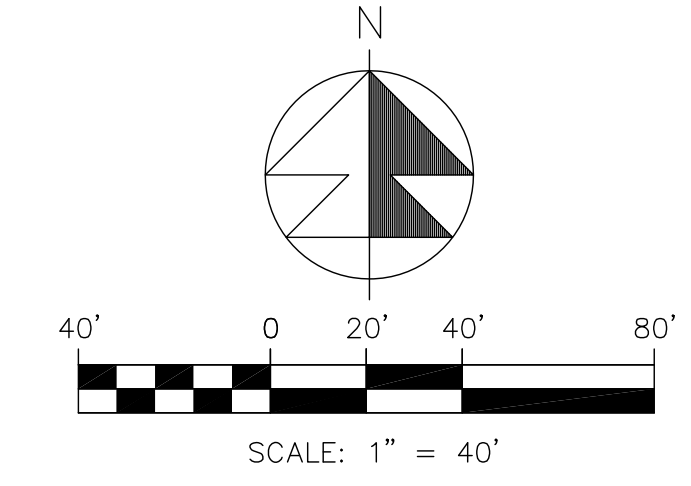
COA 6986  
SHEET NO.  
C-11

SEE SHT C-13

SEE SHT C-11



SECTION 24, TWP 35S, RGE 39E



- NOTES:
- GRATE EL OF TYPE-9 INLETS ARE AT THE GUTTER FLOWLINE.
  - TYPE "C-9" STRUCTURES SHALL BE TYPE "C" BOX WITH TYPE "9" GRATE PER FDOT INDEX 425-052.
  - ALL OTHER INLET GRATES SHALL BE USF HEAVY DUTY LOADING GRATES. CS-11 & CS-22 SHALL USE STEEL USF 8609 GRATE /AE.
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  - CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL DRAINAGE STRUCTURES, PIPES, SUBGRADE MATERIAL, BASE MATERIAL, ASPHALT PAVEMENT SPEC, CONCRETE MIX DESIGN AT THE MINIMUM PRIOR TO CONSTRUCTION.
  - INLETS SHALL BE PROTECTED DURING CONSTRUCTION PER FLORIDA STORMWATER, EROSION, & SEDIMENTATION CONTROL INSPECTORS MANUAL.
  - ALL CATCH BASINS LOCATED IN E/F-CURB SHALL HAVE USF 6168 FRAME & GRATE.
  - ALL CATCH BASINS AND MANHOLES SHALL HAVE TURBIDITY CONTROL BARRIERS PER DETAIL DURING THE CONST PHASE OF THE PROJECT.
  - CONTRACTOR SHALL CONSTRUCT SILT FENCE AT P/L.
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**LEGEND**

⊙	PROF PAVT EL
⊙	EXIST EL
⊙	CONTRACTOR TO FIELD VERIFY
⊙	CATCH BASIN
⊙	YARD DRAIN
⊙	BC BOTTOM OF CURB
⊙	BE BOTTOM EL
⊙	TC TOP OF CURB
⊙	TE TOP EL
⊙	EXF EXFILTRATION TRENCH
⊙	WM WATER MAIN
⊙	FM FORCE MAIN
⊙	FIM FIRE MAIN
⊙	SAN WASTEWATER GRAVITY
⊙	FW FIRE HYDRANT
⊙	GV GATE VALVE
⊙	SC SIAMASE CONN.
⊙	CV CHECK VALVE
⊙	DD DOUBLE DETECTOR
⊙	CV CHECK VALVE
⊙	WM WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
⊙	SP SAMPLE POINT
⊙	MES MITERED END SECTION
⊙	F.F.EL FIN FLOOR ELEV
⊙	F.L.EL FLOW LINE ELEV
⊙	TOB TOP OF BANK
⊙	TOS TOE OF SLOPE
⊙	TOC TOP OF CONCRETE
⊙	TV TAPPING VALVE
⊙	CO CLEANOUT
⊙	BORING NO. AND LOCATION
⊙	/AE APPROVED EQUIVALENT

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REVISIONS


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Consulting Engineers  
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EMAIL: jhinc@jhinc.com

**Amazon One Grocery**  
HFLI  
Kings Highway Commerce Park  
Parcel-III  
Fort Pierce, Florida

**Grading, Paving & Drainage Plan**

DATE	SCALE	DESIGNED BY	DRAWN BY	JOB NO.
12/24/2025	1"=40'	JHI	DDI	2409-1533

SEAL


COA 6986  
SHEET NO.  
C-12

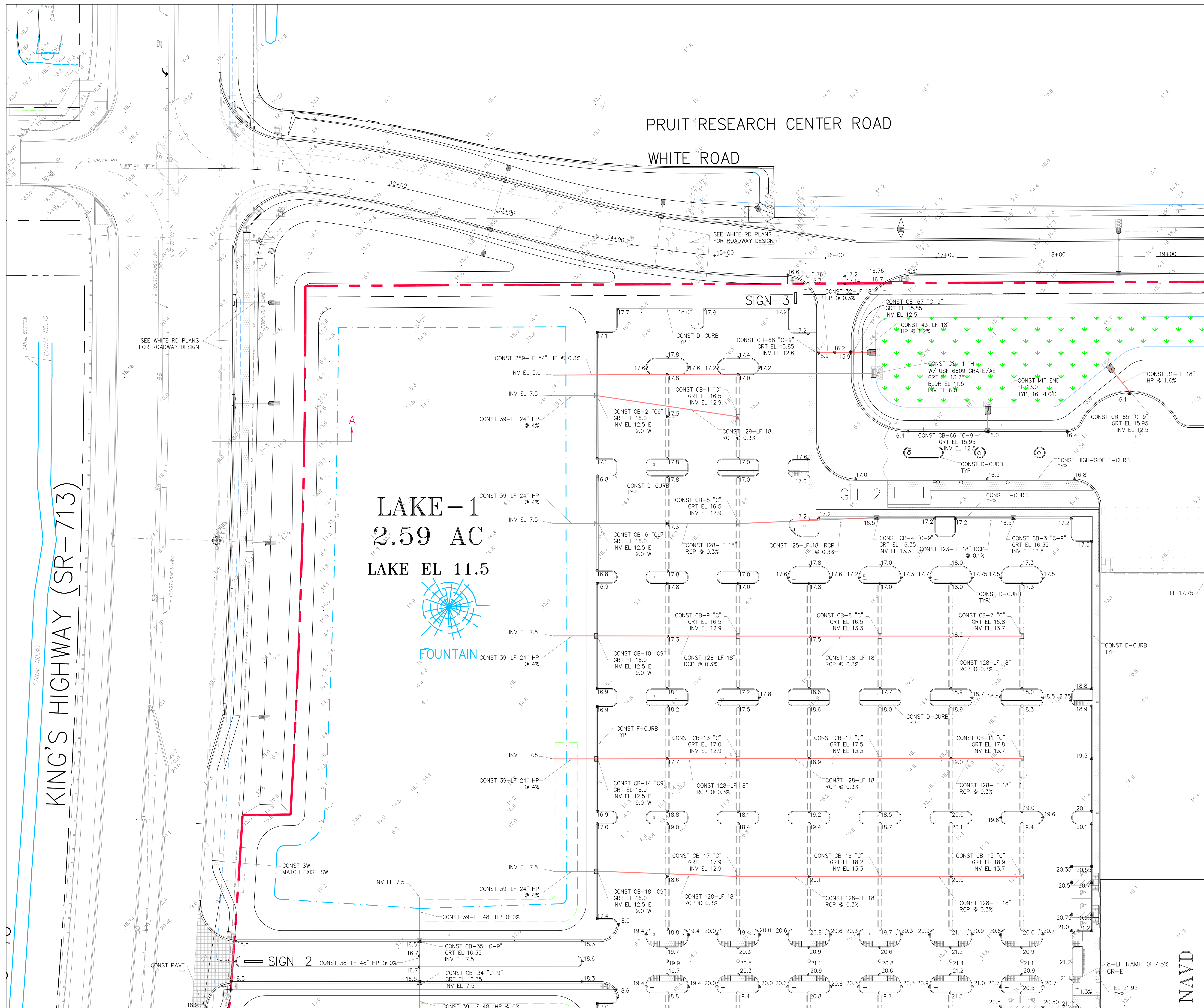
NSLRWCD C-40

HWY (SR-713)

OFFICE

SEE SHT C-14

PH-II  
BLDG  
530,230



PRUIT RESEARCH CENTER ROAD

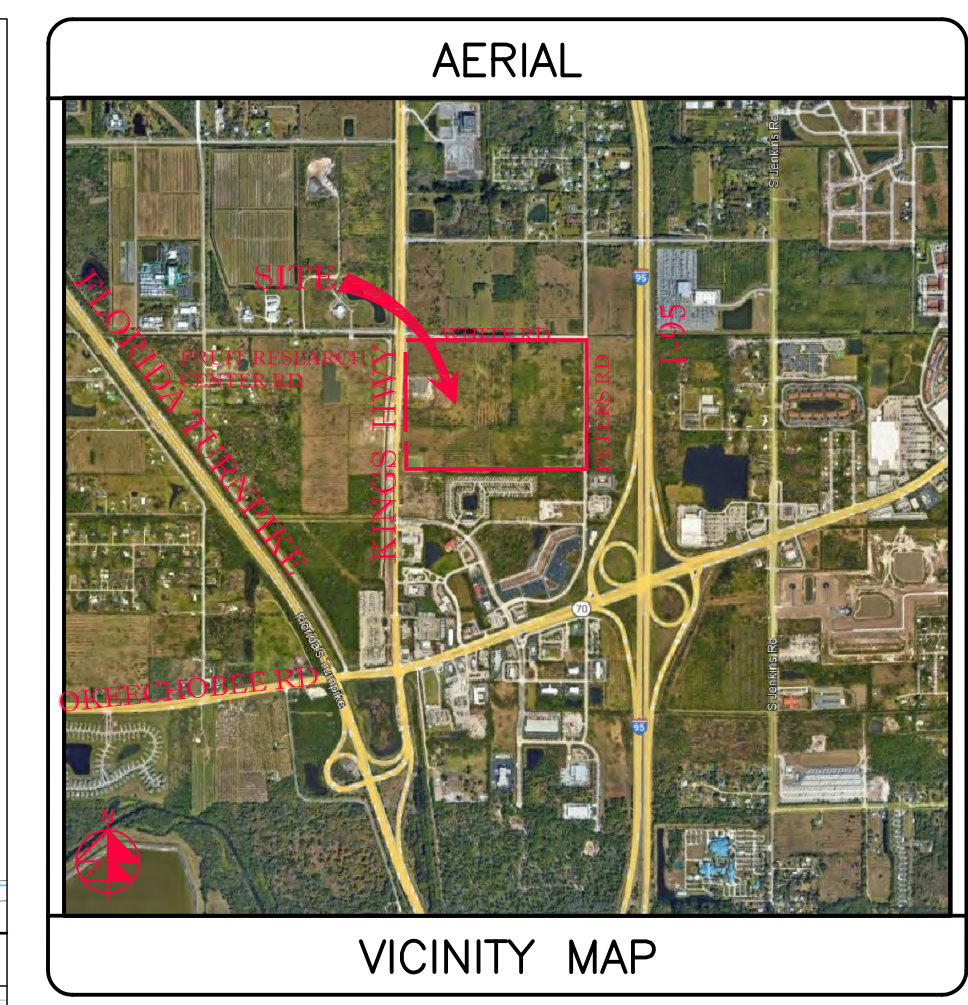
WHITE ROAD

KING'S HIGHWAY (SR-713)

LAKE-1  
2.59 AC  
LAKE EL 11.5



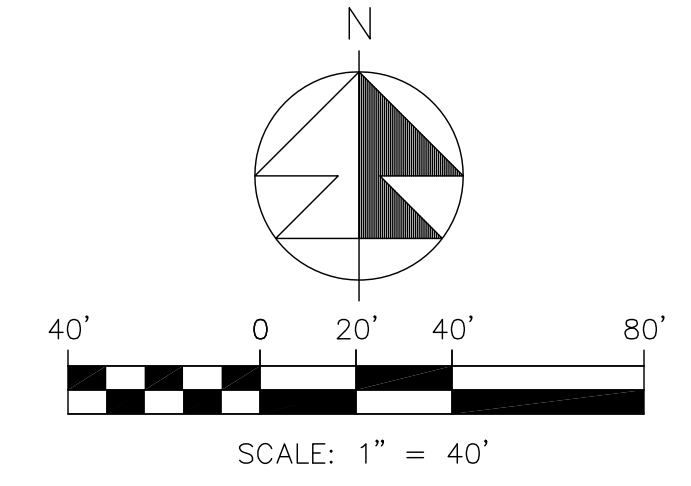
FOUNTAIN



AERIAL

VICINITY MAP

SECTION 24, TWP 35S, RGE 39E



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LEGEND

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○	EXIST EL
✱	CONTRACTOR TO FIELD VERIFY
✱	INVERT EL
✱	CATCH BASIN
✱	YARD DRAIN
✱	BOTTOM OF CURB
✱	TOP OF CURB
✱	TOP EL
✱	EXFILTRATION TRENCH
✱	WATER MAIN
✱	FORCE MAIN
✱	FIRE MAIN
✱	WASTEWATER GRAVITY
✱	FIRE HYDRANT
✱	GATE VALVE
✱	GATE VALVE
✱	SIAMSESE CONN.
✱	CHECK VALVE
✱	DOUBLE DETECTOR
✱	CHECK VALVE
✱	WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
○	SAMPLE POINT
○	MITERED END SECTION
○	FIN FLOOR ELEV
○	FLOW LINE ELEV
○	TOP OF BANK
○	TOE OF SLOPE
○	TOP OF CONCRETE
○	TAPPING VALVE
○	CLEANOUT
○	BORING NO. AND LOCATION
○	/AE APPROVED EQUIVALENT

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Grading, Paving & Drainage Plan

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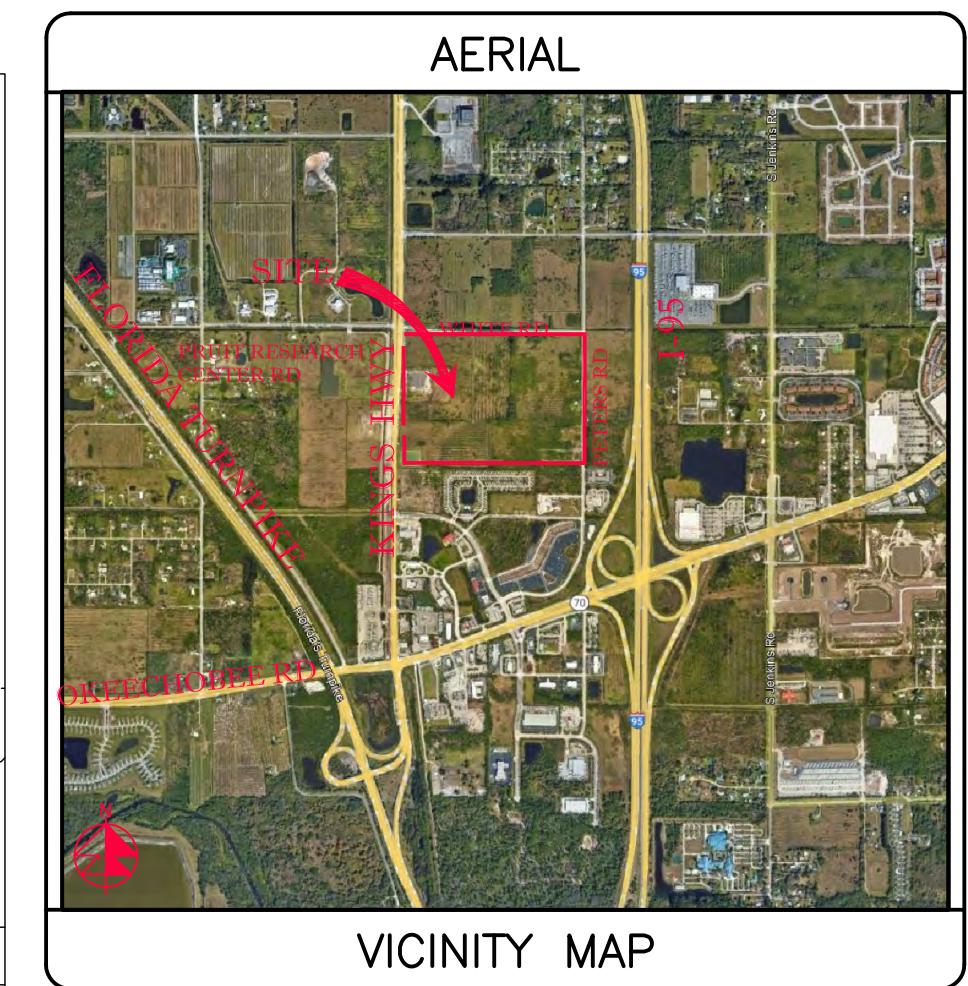
SEAL  
COA 6996  
SHEET NO.  
C-13

SEE SHT C-12

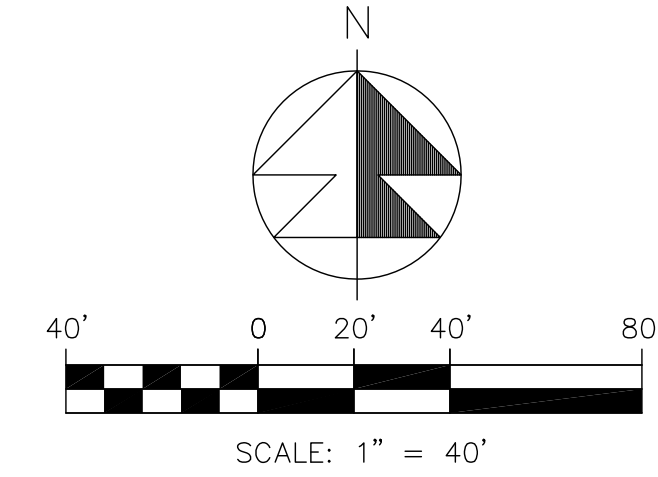
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NAVD

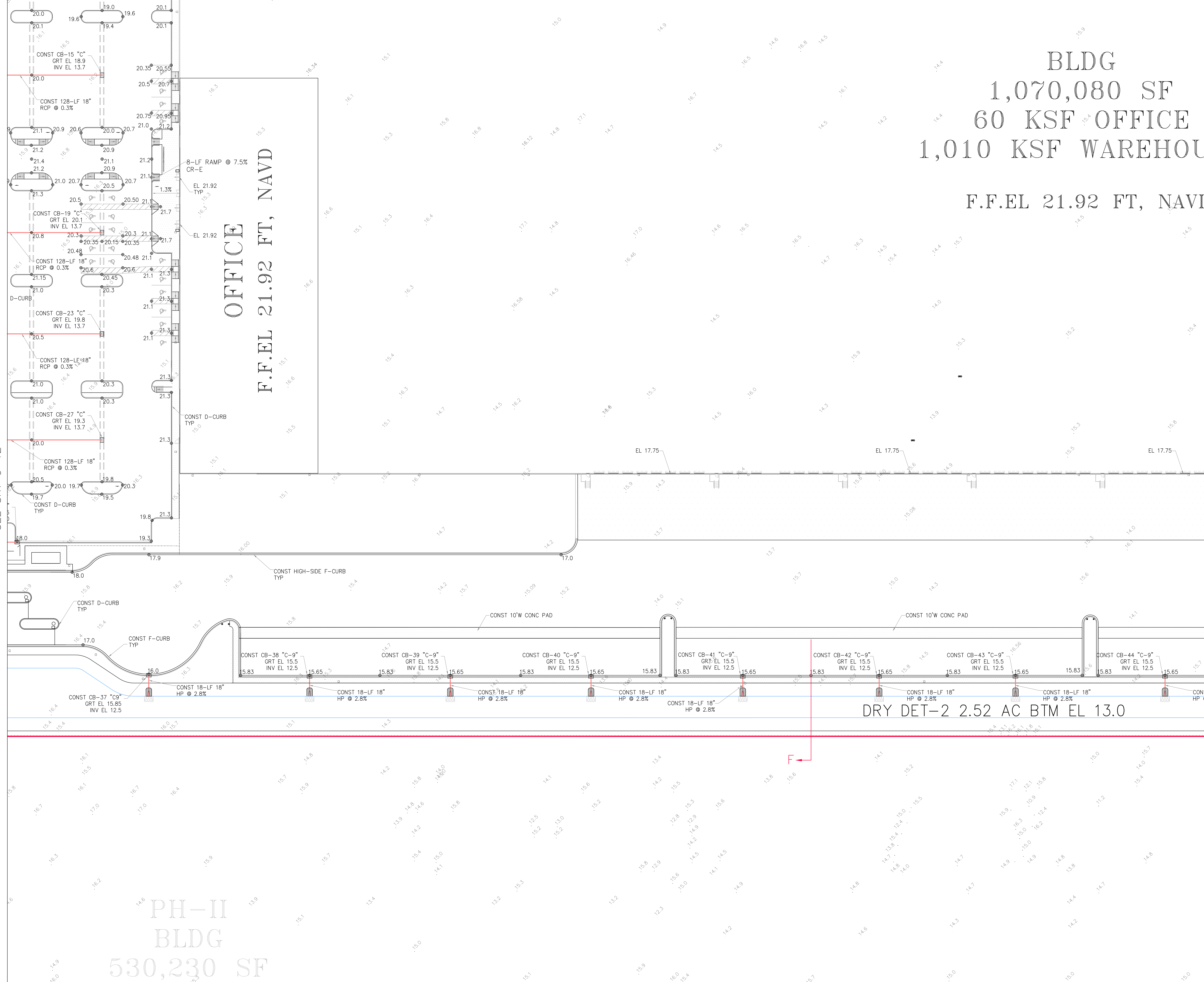
BLDG  
1,070,080 SF  
60 KSF OFFICE  
1,010 KSF WAREHOUSE  
F.F.EL 21.92 FT, NAVD



SECTION 24, TWP 35S, RGE 39E



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LEGEND

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○	EXIST EL
✱	CONTRACTOR TO FIELD VERIFY
✱	INVERT EL
○	INVERT EL
○	CATCH BASIN
○	YARD DRAIN
○	BOTTOM OF CURB
○	BE
○	TOP OF CURB
○	TE
○	TOP EL
○	EXF
○	EXFILTRATION TRENCH
○	WM
○	WATER MAIN
○	FM
○	FORCE MAIN
○	FIM
○	FIRE MAIN
○	SAN
○	WASTEWATER GRAVITY
○	FW
○	FIRE HYDRANT
○	GV
○	GATE VALVE
○	GV
○	GATE VALVE
○	SIAMESE CONN.
○	CV
○	CHECK VALVE
○	CD
○	DOUBLE DETECTOR
○	CV
○	CHECK VALVE
○	WM
○	WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
○	SP
○	SAMPLE POINT
○	MITERED END SECTION
○	FIN FLOOR ELEV
○	FL
○	FLOW LINE ELEV
○	TOB
○	TOP OF BANK
○	TOS
○	TOE OF SLOPE
○	TOC
○	TOP OF CONCRETE
○	TV
○	TAPPING VALVE
○	CO
○	CLEANOUT
○	CO
○	BORING NO. AND LOCATION
○	/AE
○	APPROVED EQUIVALENT

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HFLI

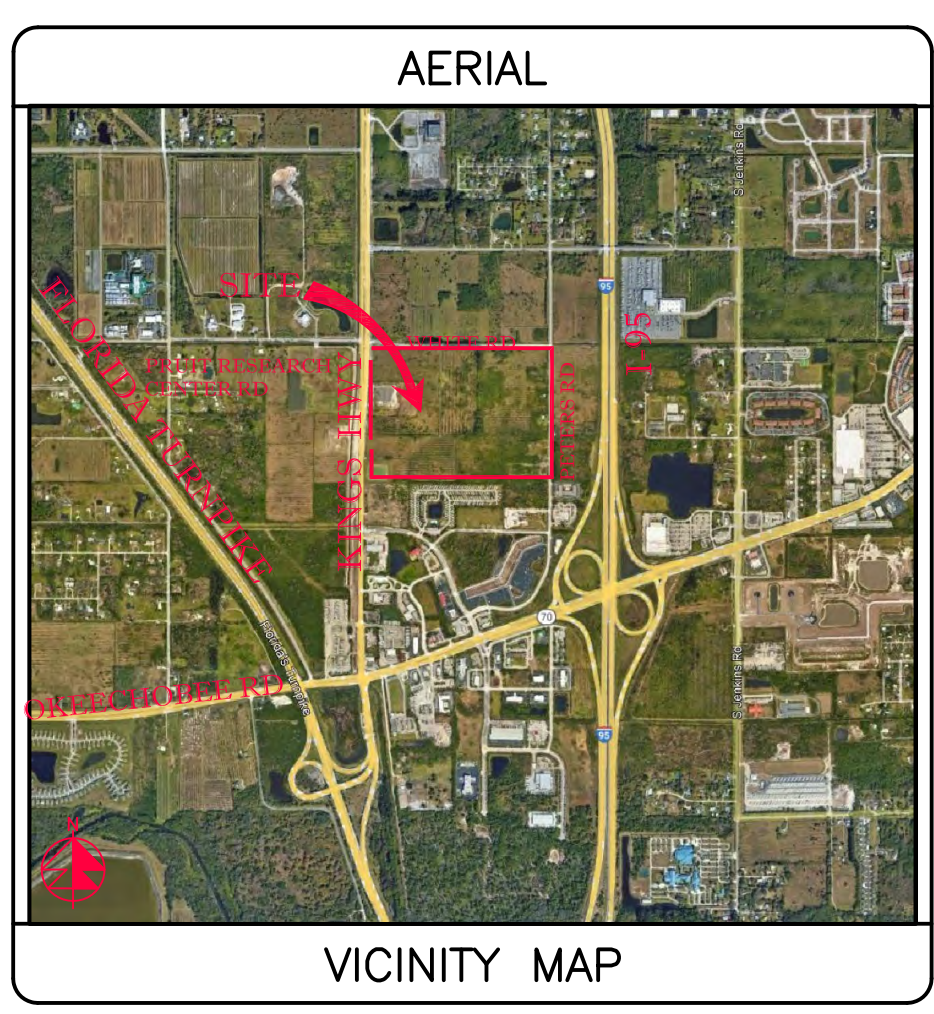
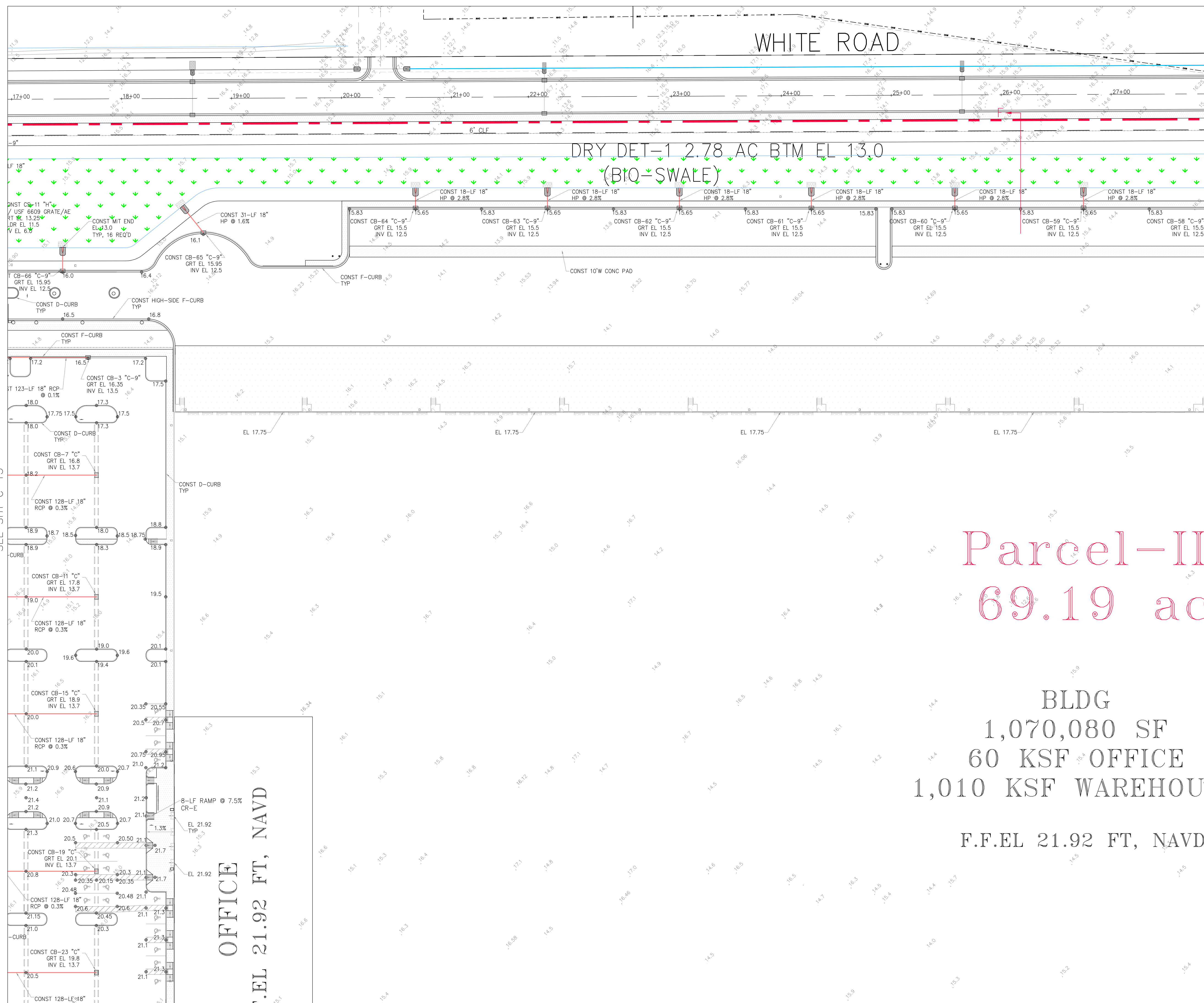
Kings Highway Commerce Park  
Parcel-III  
Fort Pierce, Florida

Grading, Paving & Drainage Plan

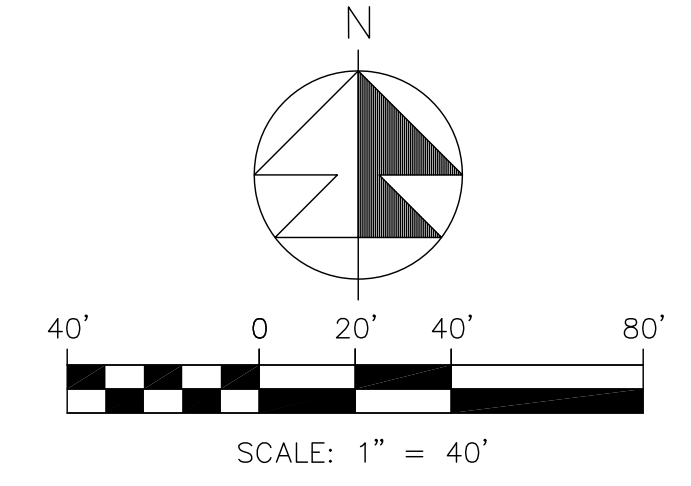
DATE	SCALE	DESIGNED BY	DRAWN BY	JOB NO.
12/24/2025	1"=40'	JHI	DDI	2409-1533

SEAL

COA 6986
SHEET NO.
C-14



SECTION 24, TWP 35S, RGE 39E



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Parcel - II  
69.19 ac

BLDG  
1,070,080 SF  
60 KSF OFFICE  
1,010 KSF WAREHOUSE  
F.F.EL 21.92 FT, NAVD

LEGEND	
● 19.7	PROP PAVT EL
○	EXIST EL
○	CONTRACTOR TO FIELD VERIFY
*	INVERT EL
○	INVERT EL
○	CATCH BASIN
○	YARD DRAIN
○	BOTTOM OF CURB
○	BE
○	TOP OF CURB
○	TE
○	EXFILTRATION TRENCH
○	WM
○	FM
○	FM
○	SAN
○	WASTEWATER GRAVITY
○	FIRE HYDRANT
○	GATE VALVE
○	GATE VALVE
○	SIAMSE CONN.
○	CHECK VALVE
○	DOUBLE DETECTOR
○	CHECK VALVE
○	WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
○	SAMPLE POINT
○	MITERED END SECTION
○	FIN FLOOR ELEV
○	F.L.EL
○	FLOW LINE ELEV
○	TOB
○	TOP OF BANK
○	TOE OF SLOPE
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○	TOP OF CONCRETE
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HFLI

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DATE	SCALE	DESIGNED BY	DRAWN BY	JOB NO.
12/24/2025	1" = 40'	JHI	DDI	2409-1533

SEAL
COA 6886 SHEET NO. C-15

SEE SHT C-13

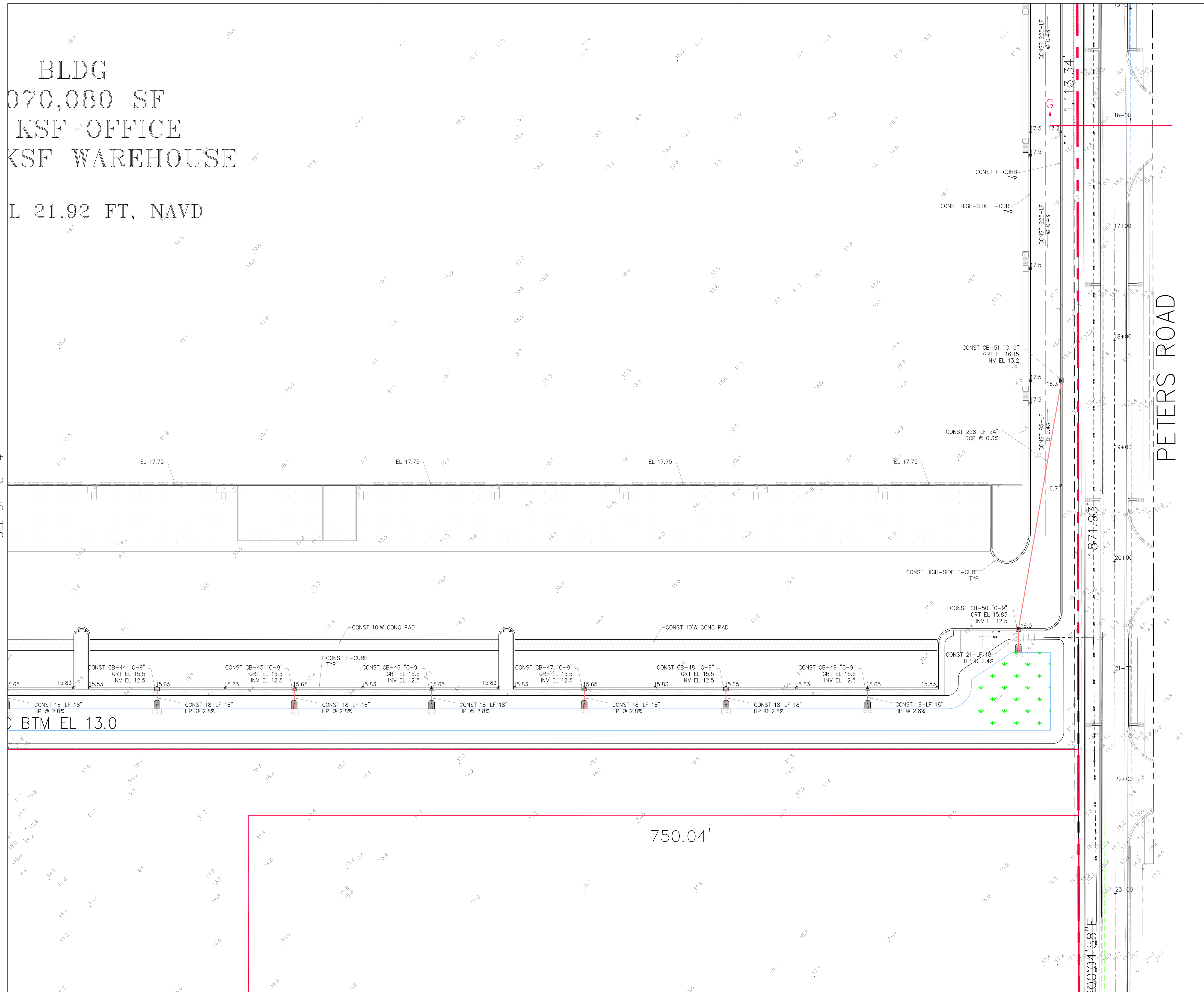
SEE SHT C-17

SEE SHT C-14

BLDG  
070,080 SF  
KSF OFFICE  
KSF WAREHOUSE

L 21.92 FT, NAVD

SEE SHT C-14



**AERIAL**

**VICINITY MAP**

SECTION 24, TWP 35S, RGE 39E

SCALE: 1" = 40'

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**LEGEND**

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- ⊙ EXIST EL
- ⊙ CONTRACTOR TO FIELD VERIFY
- \* INV EL
- ⊙ INVERT EL
- ⊙ CATCH BASIN
- ⊙ YARD DRAIN
- ⊙ BOTTOM OF CURB
- ⊙ BE BOTTOM EL
- ⊙ TC TOP OF CURB
- ⊙ TE TOP EL
- ⊙ EXF EXFILTRATION TRENCH
- ⊙ WM WATER MAIN
- ⊙ FM FORCE MAIN
- ⊙ FIM FIRE MAIN
- ⊙ SAN WASTEWATER GRAVITY
- ⊙ FH FIRE HYDRANT
- ⊙ CV GATE VALVE
- ⊙ GV GATE VALVE
- ⊙ SC SIAMESE CONN.
- ⊙ CV CHECK VALVE
- ⊙ DD DOUBLE DETECTOR
- ⊙ CV CHECK VALVE
- ⊙ WM WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
- ⊙ MES SAMPLE POINT
- ⊙ MTER MITERED END SECTION
- ⊙ F.F.EL FIN FLOOR ELEV
- ⊙ F.L.EL FLOW LINE ELEV
- ⊙ TOB TOP OF BANK
- ⊙ TOS TOE OF SLOPE
- ⊙ TOC TOP OF CONCRETE
- ⊙ TV TAPPING VALVE
- ⊙ CO CLEANOUT
- ⊙ B BORING NO. AND LOCATION
- ⊙ /AE APPROVED EQUIVALENT

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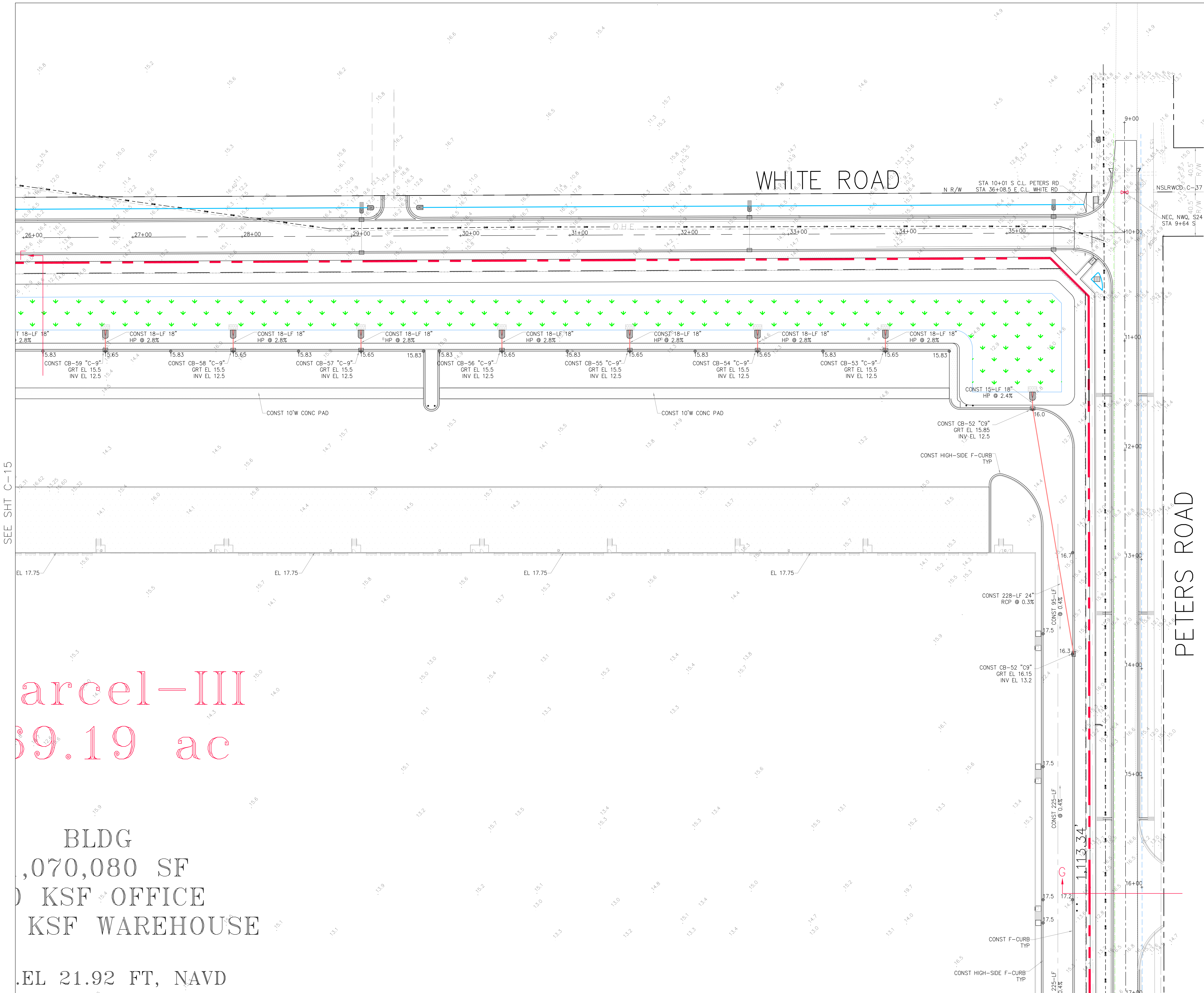
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**SEAL**

COA 6886  
SHEET NO.  
C-16

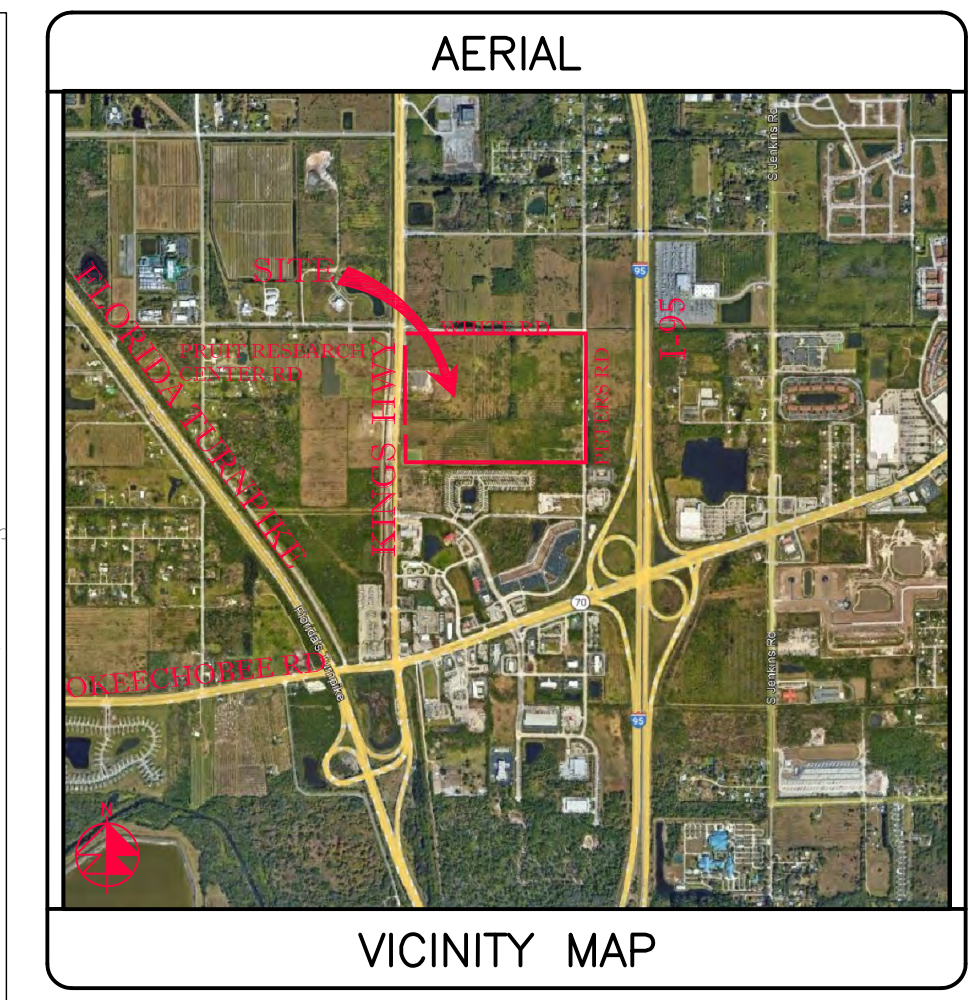


SEE SHT C-15

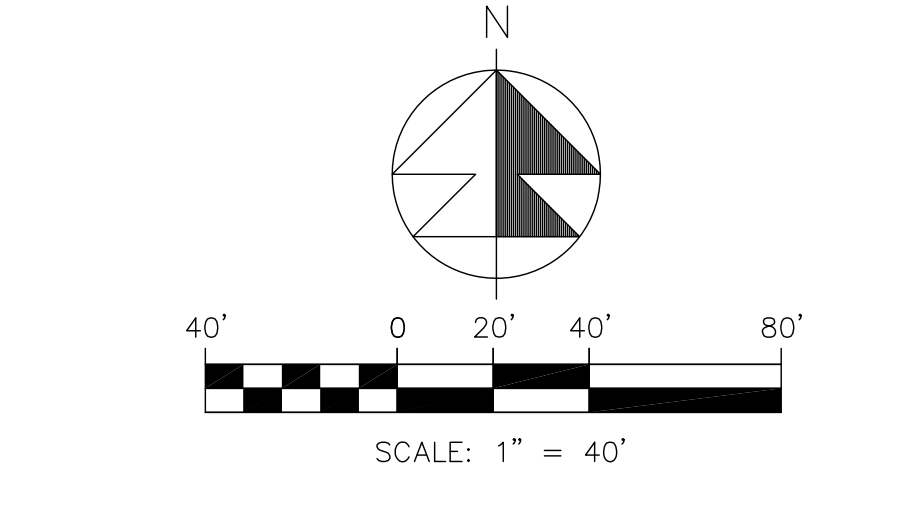
SEE SHT C-16

Parcel-III  
59.19 ac

BLDG  
1,070,080 SF  
KSF OFFICE  
KSF WAREHOUSE  
ELEV 21.92 FT, NAVD



VICINITY MAP  
SECTION 24, TWP 35S, RGE 39E



- NOTES:
1. GRATE EL OF TYPE-9 INLETS ARE AT THE OUTER FLOWLINE.
  2. TYPE "C-9" STRUCTURES SHALL BE TYPE "C" BOX WITH TYPE "9" GRATE PER FDOT INDEX 425-052.
  3. ALL OTHER INLET GRATES SHALL BE USF HEAVY DUTY LOADING GRATES. CS-11 & CS-22 SHALL USE STEEL USF 6609 GRATE /AE.
  4. ALL EXIST INFO & TOPO ARE PER MAGELLAN SURVEYING & MAPPING, INC., DWG # 21-020. ALL ELEV'S ARE IN FT, NAVD 1988.
  5. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL DRAINAGE STRUCTURES, PIPES, SUBGRADE MATERIAL, BASE MATERIAL, ASPHALT PAVEMENT SPEC, CONCRETE MIX DESIGN AT THE MINIMUM PRIOR TO CONSTRUCTION.
  6. INLETS SHALL BE PROTECTED DURING CONSTRUCTION PER FLORIDA STORMWATER, EROSION, & SEDIMENTATION CONTROL INSPECTORS MANUAL.
  7. ALL CATCH BASINS LOCATED IN E/F-CURB SHALL HAVE USF 6168 FRAME & GRATE.
  8. ALL CATCH BASINS AND MANHOLES SHALL HAVE TURBIDITY CONTROL BARRIERS PER DETAIL DURING THE CONST PHASE OF THE PROJECT.
  9. CONTRACTOR SHALL CONSTRUCT SILT FENCE AT P/L
  10. ACCESSIBLE ROUTES INCL SW'S, HANDICAP RAMPS & DET WARNINGS SHALL CONFORM TO 2010 US DOJ "STD'S FOR ACCESSIBLE DESIGN", FBC CHAPTER 11, & FDOT INDEX 522-002.
  11. CONTRACTOR SHALL PROTECT ALL INLETS & SITE PERIMETERS DURING CONSTRUCTION PER FLORIDA STORMWATER, EROSION, & SEDIMENTATION CONTROL INSPECTORS MANUAL.
  12. PAVT SHALL BE 1.8" ABOVE THE INLET GRATE & E/F-CURB
  13. ALL D-CURBS SHALL TERMINATE WITH 2' TAPER.
  14. ALL CATCH BASINS TYPES REFER TO FDOT INDEX 425-052.
  15. ADS HP STORM PIPE MAY BE SUBSTITUTED FOR RCP PIPE PENDING EOR APPROVAL. CONTRACTOR TO PROVIDE AN ALTERNATE BID FOR ADS PIPE.

LEGEND	
⊙ 19.7	PROP PAVT EL
⊙	EXIST EL
⊙	CONTRACTOR TO FIELD VERIFY
*	FIELD VERIFY
⊙	INVERT EL
⊙	CATCH BASIN
⊙	YARD DRAIN
⊙	BOTTOM OF CURB
⊙	BOTTOM EL
⊙	TOP OF CURB
⊙	TOP EL
⊙	EXFILTRATION TRENCH
⊙	WATER MAIN
⊙	FORCE MAIN
⊙	FIRE MAIN
⊙	WASTEWATER GRAVITY
⊙	FIRE HYDRANT
⊙	GATE VALVE
⊙	GATE VALVE
⊙	SIAMSE CONN.
⊙	CHECK VALVE
⊙	DOUBLE DETECTOR
⊙	CHECK VALVE
⊙	WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
⊙	SAMPLE POINT
⊙	MITERED END SECTION
⊙	FIN FLOOR ELEV
⊙	FLOW LINE ELEV
⊙	TOP OF BANK
⊙	TOE OF SLOPE
⊙	TOP OF CONCRETE
⊙	TAPPING VALVE
⊙	CLEANOUT
⊙	BORING NO. AND LOCATION
⊙	APPROVED EQUIVALENT

48 HOURS BEFORE DIGGING  
CALL TOLL FREE  
811  
CALL SUNSHINE  
NOTIFICATION CENTER

REVISIONS	

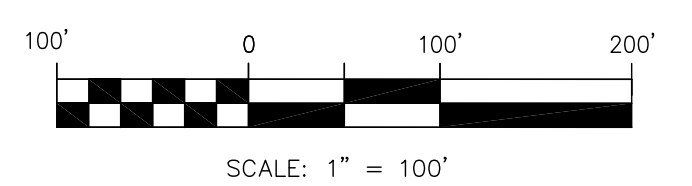
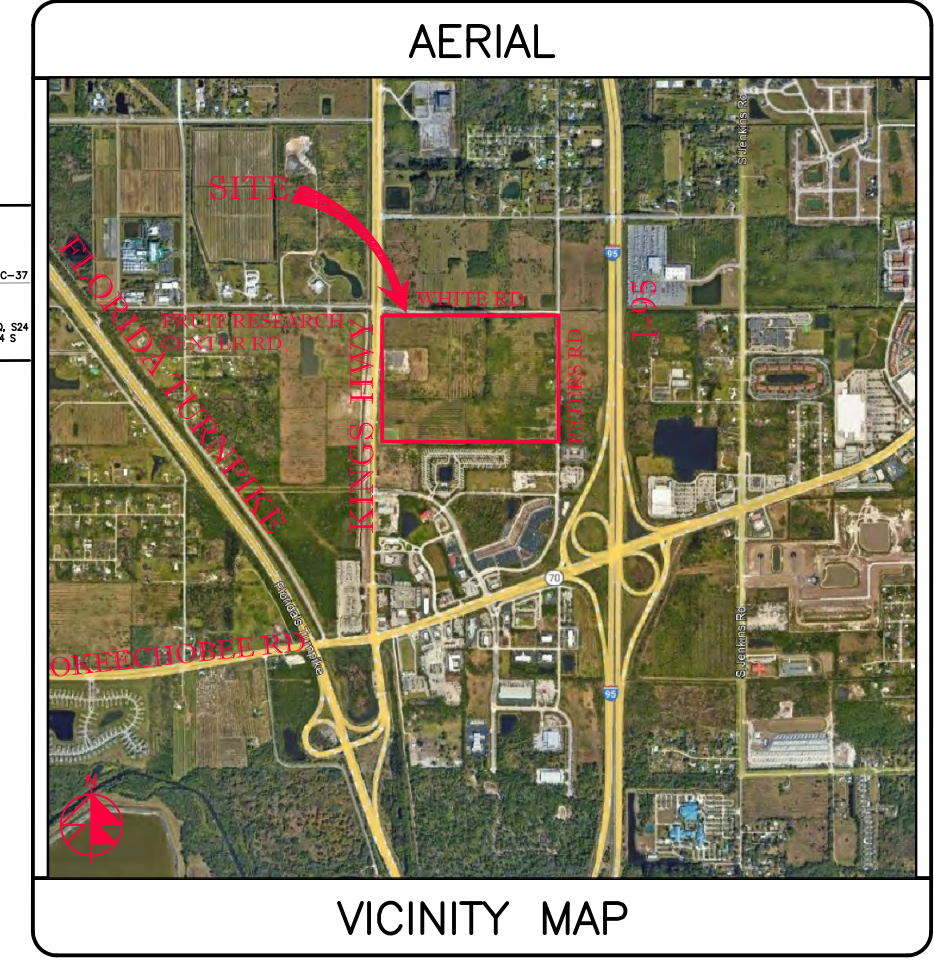
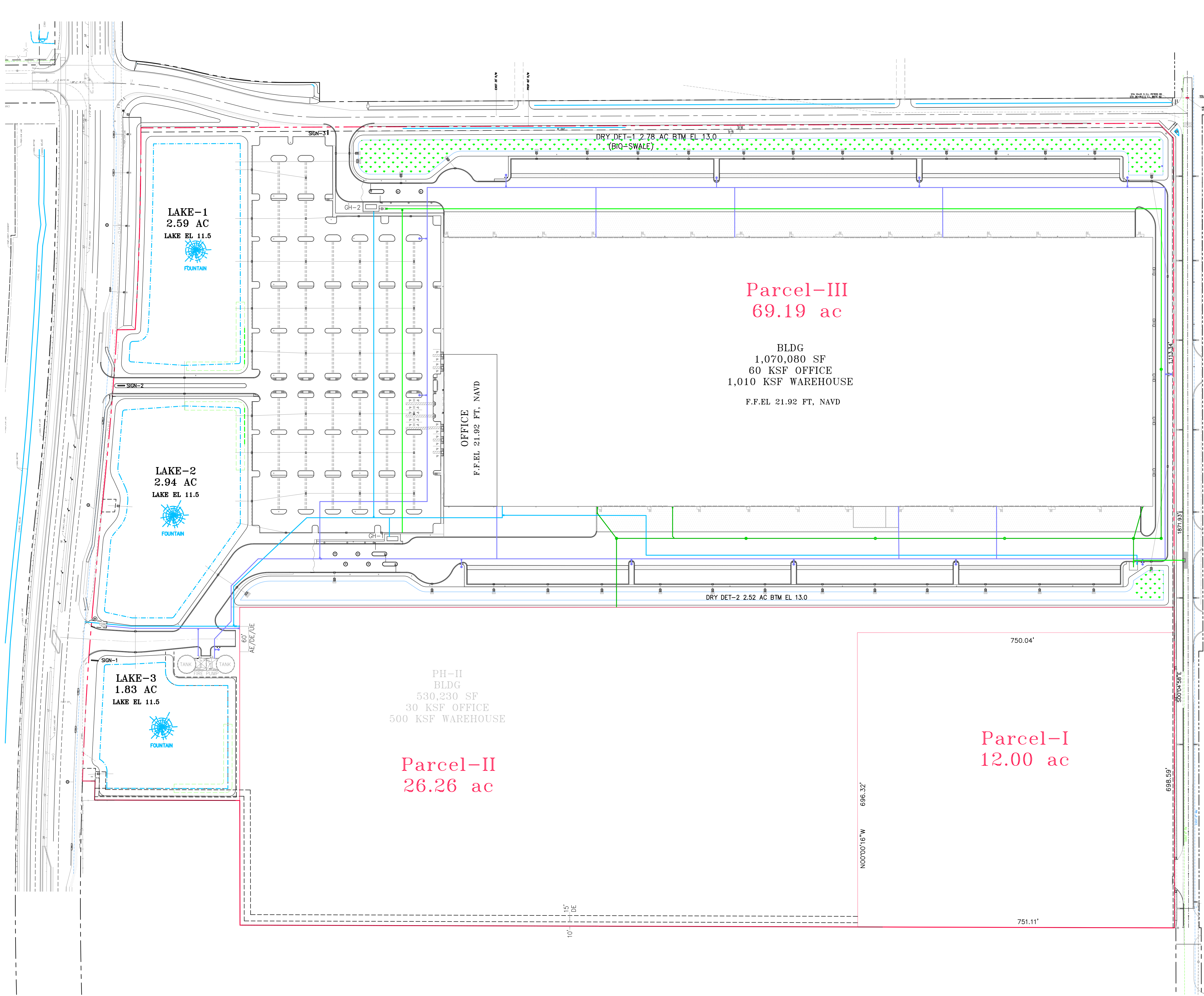
**Jeff H. Iravani, Inc.**  
Consulting Engineers  
1934 COMMERCE LANE, SUITE 5  
JUPITER, FLORIDA 33458  
TEL: (561) 575-6030  
FAX: (561) 575-6088  
EMAIL: [jh@jhinc.com](mailto:jh@jhinc.com)  
WEBSITE: [www.jhinc.com](http://www.jhinc.com)

**Amazon One Grocery**  
HFLI  
Kings Highway Commerce Park  
Parcel-III  
Fort Pierce, Florida

DATE	SCALE	DESIGNED BY	DRAWN BY	JOB NO.
12/24/2025	1"=40'	JHI	DDI	2409-1533

SEAL	

COA 6886  
SHEET NO.  
C-17



48 HOURS BEFORE DIGGING  
CALL TOLL FREE  
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NOTIFICATION CENTER

**LEGEND**

● 19.7	PROP PAVT EL
⊙	EXIST EL
⊙	CONTRACTOR TO FIELD VERIFY
∗	INVERT EL
CB	CATCH BASIN
YD	YARD DRAIN
BC	BOTTOM OF CURB
BE	BOTTOM EL
TO	TOP OF CURB
TE	TOP EL
EXF	EXFILTRATION TRENCH
WM	WATER MAIN
FM	FORCE MAIN
FIM	FIRE MAIN
SN	WASTEWATER GRAVITY
SD	FIRE HYDRANT
GV	GATE VALVE
CV	GATE VALVE
SC	SIAMSESE CONN.
CV	CHECK VALVE
DD	DOUBLE DETECTOR
CV	CHECK VALVE
WM	WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
⊙	SAMPLE POINT
MES	MITERED END SECTION
F.F.EL	FIN FLOOR ELEV
F.LEL	FLOW LINE ELEV
TOB	TOP OF BANK
TOS	TOE OF SLOPE
TOC	TOP OF CONCRETE
TV	TAPPING VALVE
CO	CLEANOUT
⊙	BORING NO. AND LOCATION
/AE	APPROVED EQUIVALENT

REVISIONS

--	--	--

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Consulting Engineers

1934 COMMERCE LANE, SUITE 5  
JUPITER, FLORIDA 33458  
EMAIL: JHI@jhiinc.com

TEL: (561) 575-6030  
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WEBSITE: www.jhiinc.com

**Amazon One Grocery**  
HFL1  
Parcel-III  
Kings Highway Commerce Park  
Fort Pierce, Florida

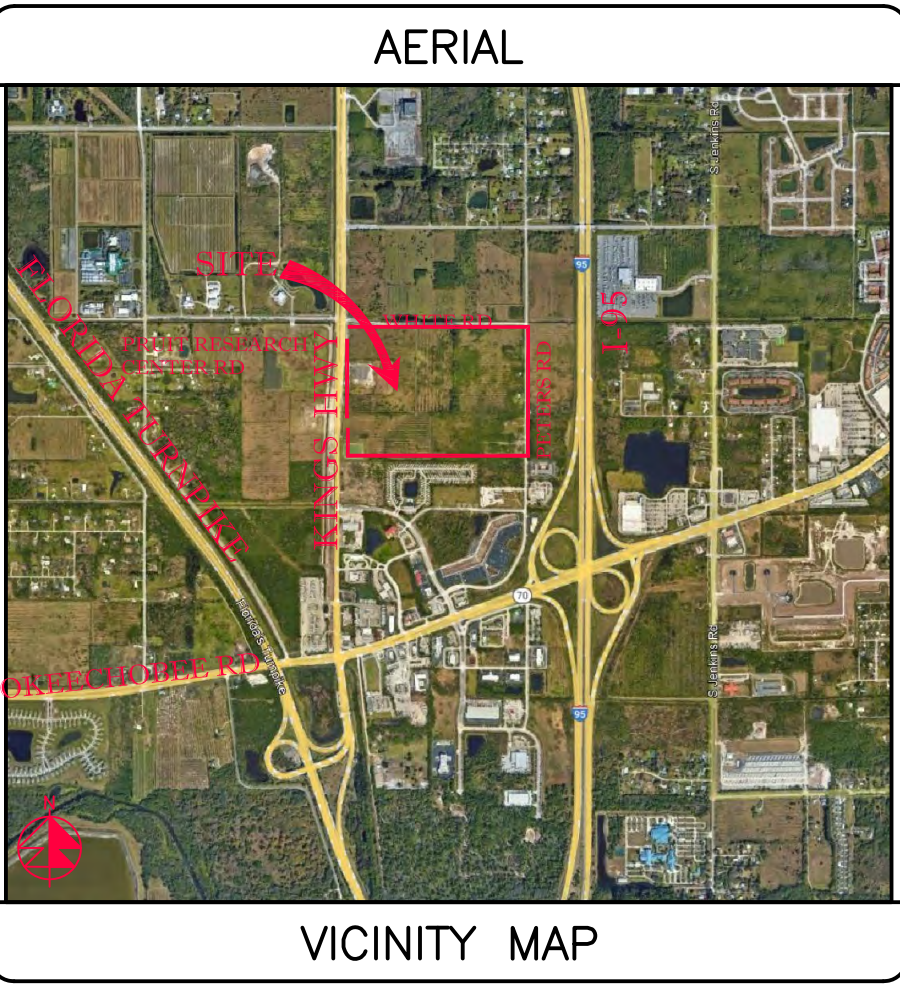
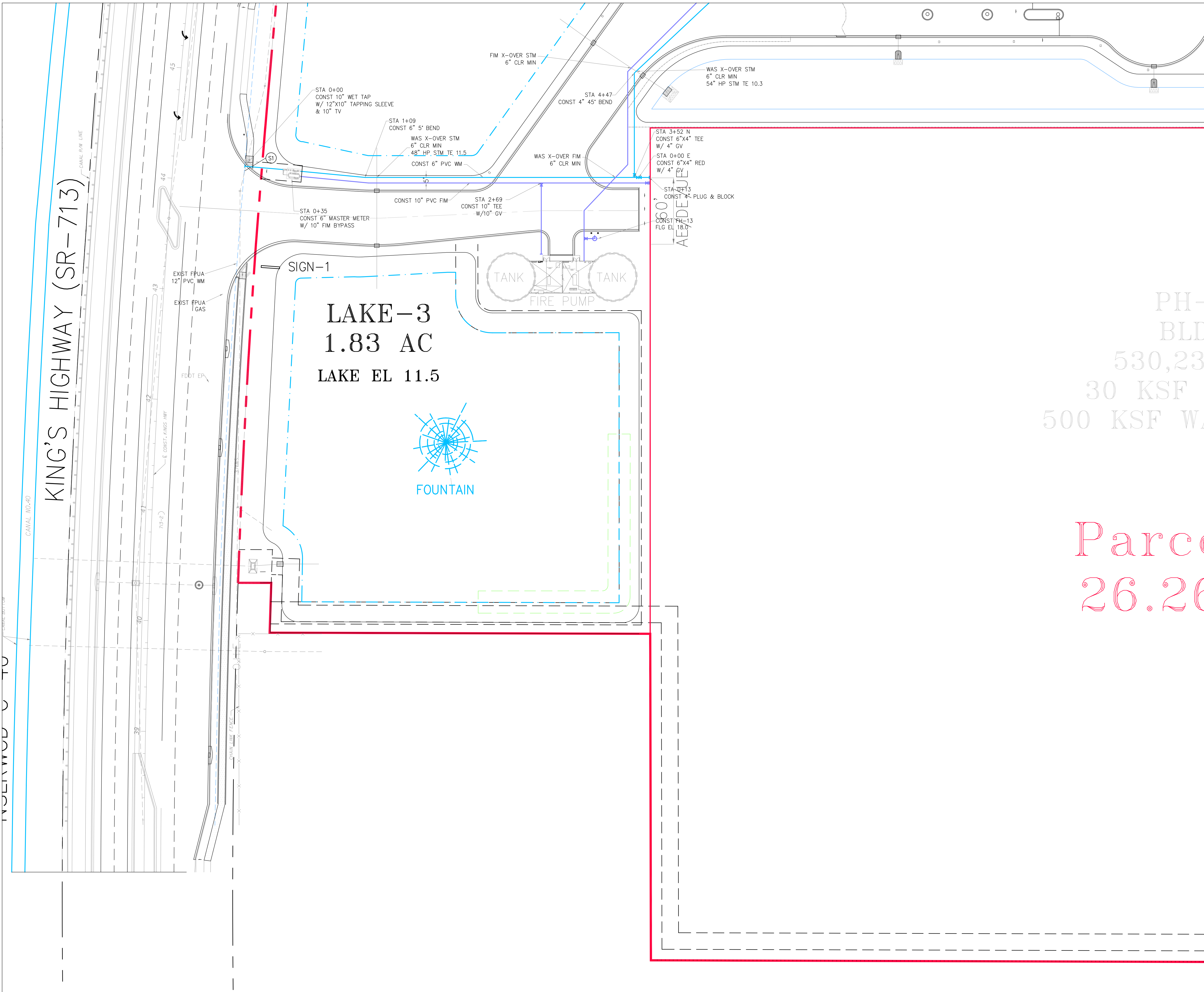
Overall Water & Wastewater  
Plan

DATE	SCALE	DESIGNED BY	DRAWN BY	JOB NO.
12/24/2025	1" = 100'	JHI	DDI	2409-1533

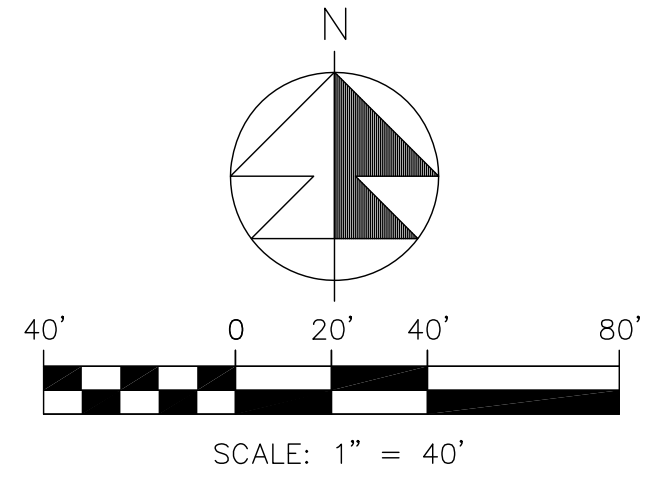
SEAL

COA 6286  
SHEET NO.  
C-18

SEE SHT C-20



SECTION 24, TWP 35S, RGE 39E



1. SANITARY SERVICES SHALL BE CONSTRUCTED @ 1% MIN SLOPE W/ CLEANOUTS EVERY 75' OC.
2. CONTRACTOR SHALL VERIFY SAN SERV INV EL @ BLDG W/ GC PRIOR TO CONSTRUCTION.
3. FIRE LINE AFTER REDUCED PRESSURE DET ASSEMBLY/RPDA SHALL BE DESIGNED & CONSTRUCTED BY FL REG FIRE SPRINKLER CONTRACTOR WHO SHALL VERIFY LOCATION OF ALL CONNECTIONS INCLUDING FIRE DEPT CONNS.
4. WATER MAIN SHALL BE PVC SDR-18. FIRE MAIN SHALL BE PVC C-900 SDR-14. SANITARY MAINS & SERVICES SHALL BE PVC SDR-26.
5. ALL WM PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT WILL BE COLOR CODED OR MARKED IN ACCORDANCE WITH SUBPARAGRAPH 62-555.320(2)(b)3, F.A.C., USING BLUE AS A PREDOMINANT COLOR. (UNDERGROUND PLASTIC PIPE WILL BE SOLID WALL BLUE PIPE, WILL HAVE A CO-EXTRUDED BLUE EXTERNAL SKIN, OR WILL BE WHITE OR BLACK PIPE WITH BLUE STRIPES INCORPORATED INTO, OR APPLIED TO, THE PIPE WALL; AND UNDERGROUND METAL OR CONCRETE PIPE WILL HAVE BLUE STRIPES APPLIED TO THE PIPE WALL. PIPE STRIPES DURING THE MANUFACTURING OF THE PIPE WILL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE, THAT ARE LOCATED NO MORE THAN 90-DEGREE INTERVALS AROUND THE PIPE, AND THAT WILL REMAIN INTACT DURING AND AFTER THE INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIP THE PIPE DURING THE INSTALLATION OF THE PIPE, THE TAPE OR PAINT WILL 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 PIPE WITH AN INTERNAL DIAMETER OF 24 INCHES OR GREATER, TAPE OR PAINT WILL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE. ABOVEGROUND PIPE WILL BE PAINTED BLUE OR WILL BE COLOR CODED OR MARKED LIKE UNDERGROUND PIPE.
6. EXACT LOCATION OF WATER SERVICE & FIRE LINE STUB OUTS TO BE VERIFIED WITH GC.
7. CONTRACTOR SHALL CLEAN & FLUSH THE WATER LINE & PERFORM A ONE HR P&L TEST (150 PS) ON THE WM PER CITY OF FT PIERCE'S UTILITY'S REQ'S.
8. CONTRACTOR SHALL PROVIDE P&L TEST ON FIM PER CITY OF FT PIERCE'S UTILITY'S REQ'S (200 PS).
9. ALL SEWER INFRASTRUCTURE TO MEET CITY OF FT PIERCE'S LATEST TECHNICAL PROVISIONS AND STANDARD DETAILS.
10. WATER LINE SHALL BE SWABBED.
11. 2" BLOW OF ASSEMBLY SHALL BE CONSTRUCTED OF BRASS AND WILL REMAIN PERMANENT.
12. A JUMPER METER SHALL BE CONSTRUCTED AT TIE-IN LOCATION. THE JUMPER METER WILL REMAIN IN PLACE UNTIL CLEARANCE IS RECEIVED FROM FDP.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LABOR, MATERIALS, AND EQUIPMENT TO PERFORM THE TIE-IN TO THE WATER MAIN(S).
14. WATER SERVICE LINES SHALL CONSIST OF A BRONZE SERVICE SADDLE, CORPORATION STOP, TYPE "X" COPPER, AND CURB STOP (CURB STOPS FOR 1.5" AND 2" SHALL BE FLARE X FLANGE).
15. ALL WELLS & SEPTIC TANKS TO BE ABANDONED. ALL DRAIN FIELDS TO BE DRAINED & ABANDONED. CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS INCL FROM ST LUCIE COUNTY HEALTH DEPT FOR ALL ABANDONMENTS.

LEGEND	
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⊙	EXIST EL
✱	CONTRACTOR TO FIELD VERIFY
INV EL	INVERT EL
CB	CATCH BASIN
YD	YARD DRAIN
BC	BOTTOM OF CURB
BE	BOTTOM EL
TC	TOP OF CURB
TE	TOP EL
EXF	EXFILTRATION TRENCH
WM	WATER MAIN
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FIM	FIRE MAIN
SAN	WASTEWATER GRAVITY
⊕	FIRE HYDRANT
GV	GATE VALVE
⊕	GATE VALVE
⊕	SIAMESE CONN.
⊕	CHECK VALVE
⊕	DOUBLE DETECTOR CHECK VALVE
-NND	WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
⊕	SAMPLE POINT
MES	MITERED END SECTION
F.F.EL	FIN FLOOR ELEV
F.L.EL	FLOW LINE ELEV
T.O.B	TOP OF BANK
T.O.S	TOP OF SLOPE
T.O.C	TOP OF CONCRETE
TV	TAPPING VALVE
CO	CLEANOUT
⊕	BORING NO. AND LOCATION
/AE	APPROVED EQUIVALENT

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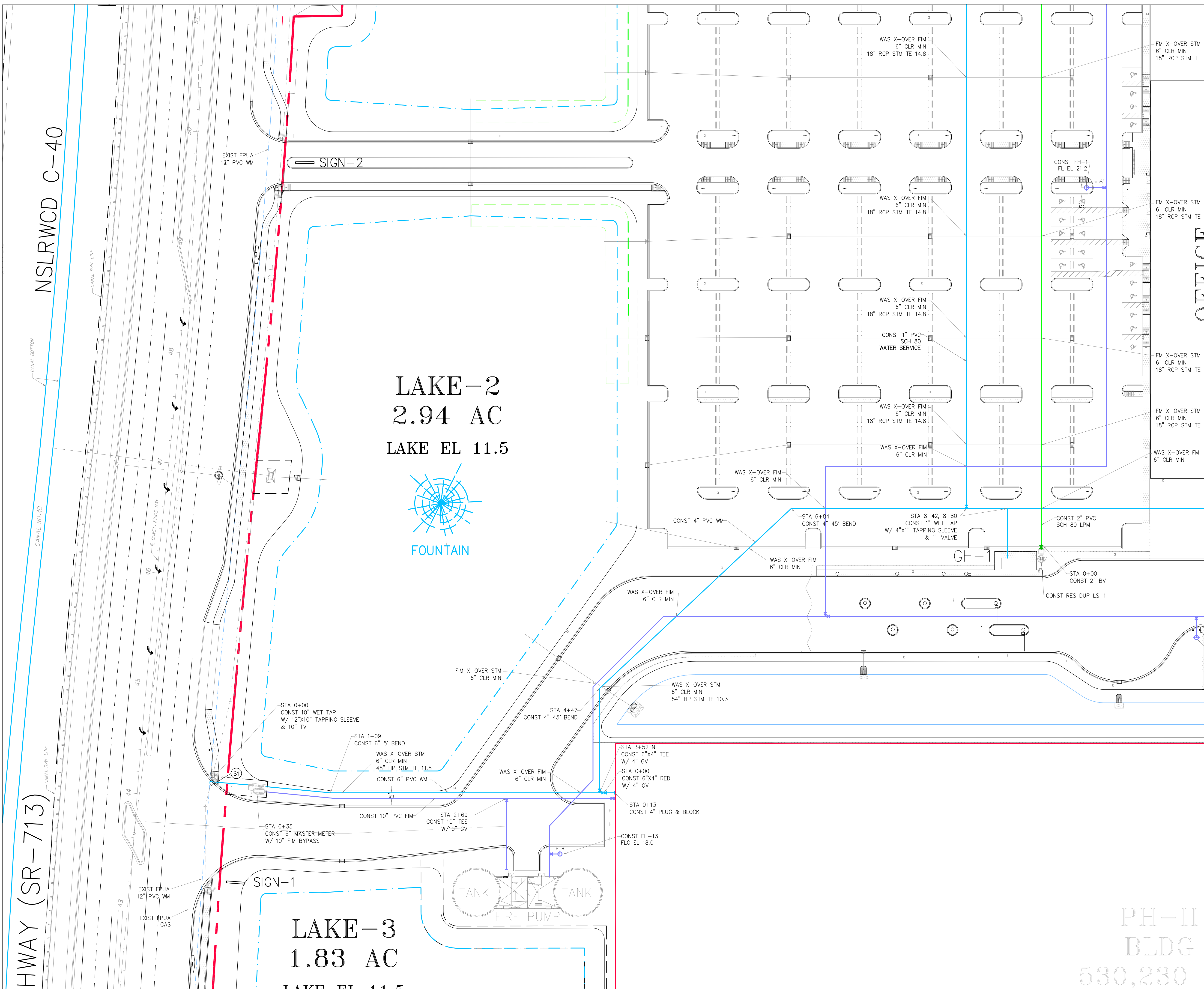
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HFLI  
Kings Highway Commerce Park  
Parcel-III  
Fort Pierce, Florida

DATE	SCALE	DESIGNED BY	DRAWN BY	JOB NO.
12/24/2025	1" = 40'	JHI	DDI	2409-1533

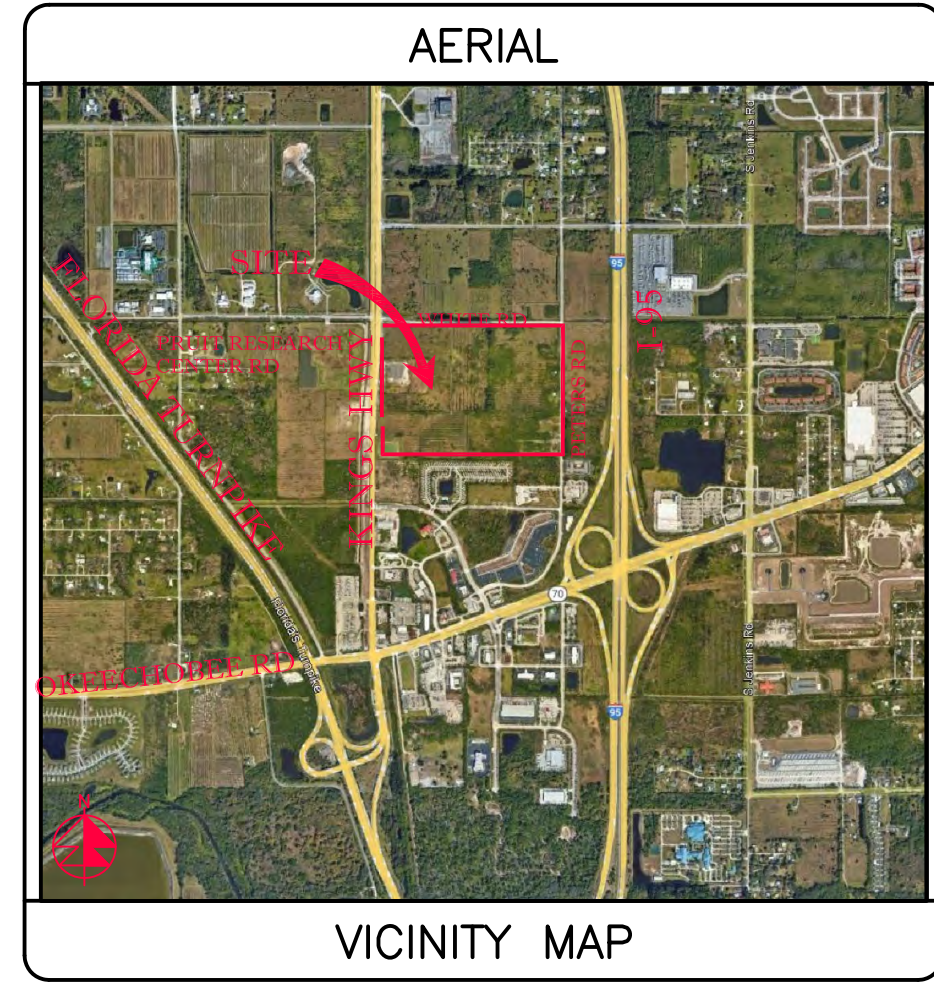
SEAL

COA 6986  
SHEET NO.  
C-19

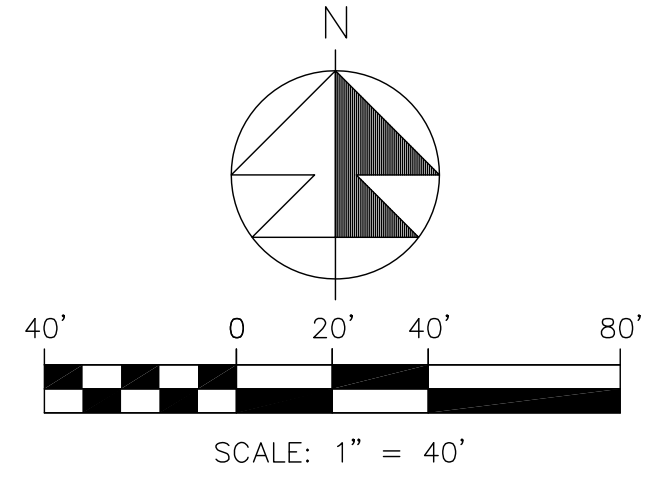
SEE SHT C-21



SEE SHT C-19



SECTION 24, TWP 35S, RGE 39E



1. SANITARY SERVICES SHALL BE CONSTRUCTED @ 1% MIN SLOPE W/ CLEANDUTS EVERY 75' CC.
2. CONTRACTOR SHALL VERIFY SAN SERV INV EL @ BLDG W/ GC PRIOR TO CONSTRUCTION.
3. FIRE LINE AFTER REDUCED PRESSURE DET ASSEMBLY/RPDA SHALL BE DESIGNED & CONSTRUCTED BY FL REC FIRE SPRINKLER CONTRACTOR WHO SHALL VERIFY LOCATION OF ALL CONNECTIONS INCLUDING FIRE DEPT CONN'S.
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LEGEND	
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⊙	EXIST EL
⊙	CONTRACTOR TO FIELD VERIFY
*	INVERT EL
CB	CATCH BASIN
YD	YARD DRAIN
BC	BOTTOM OF CURB
BE	BOTTOM EL
TC	TOP OF CURB
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EXF	EXFILTRATION TRENCH
WM	WATER MAIN
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⊕	GATE VALVE
⊕	SIAMESE CONN.
⊕	CHECK VALVE
⊕	DOUBLE DETECTOR
⊕	CHECK VALVE
⊕	WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
⊕	SAMPLE POINT
MES	MITERED END SECTION
F.F.EL	FIN FLOOR ELEV
F.L.EL	FLOW LINE ELEV
T.O.B	TOP OF BANK
T.O.S	TOP OF SLOPE
T.O.C	TOP OF CONCRETE TAPPING VALVE
CO	CLEANOUT
⊕	BORING NO. AND LOCATION
/AE	APPROVED EQUIVALENT

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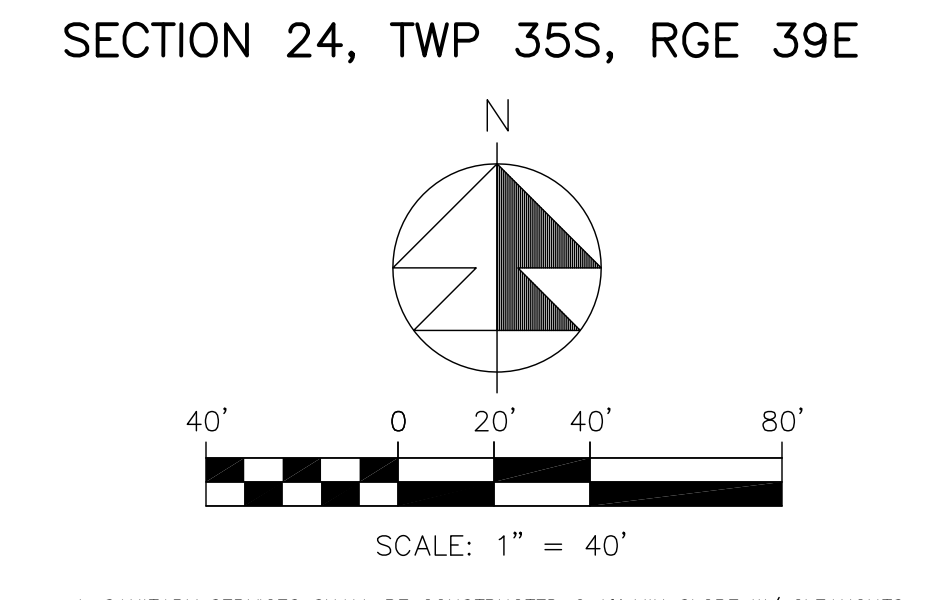
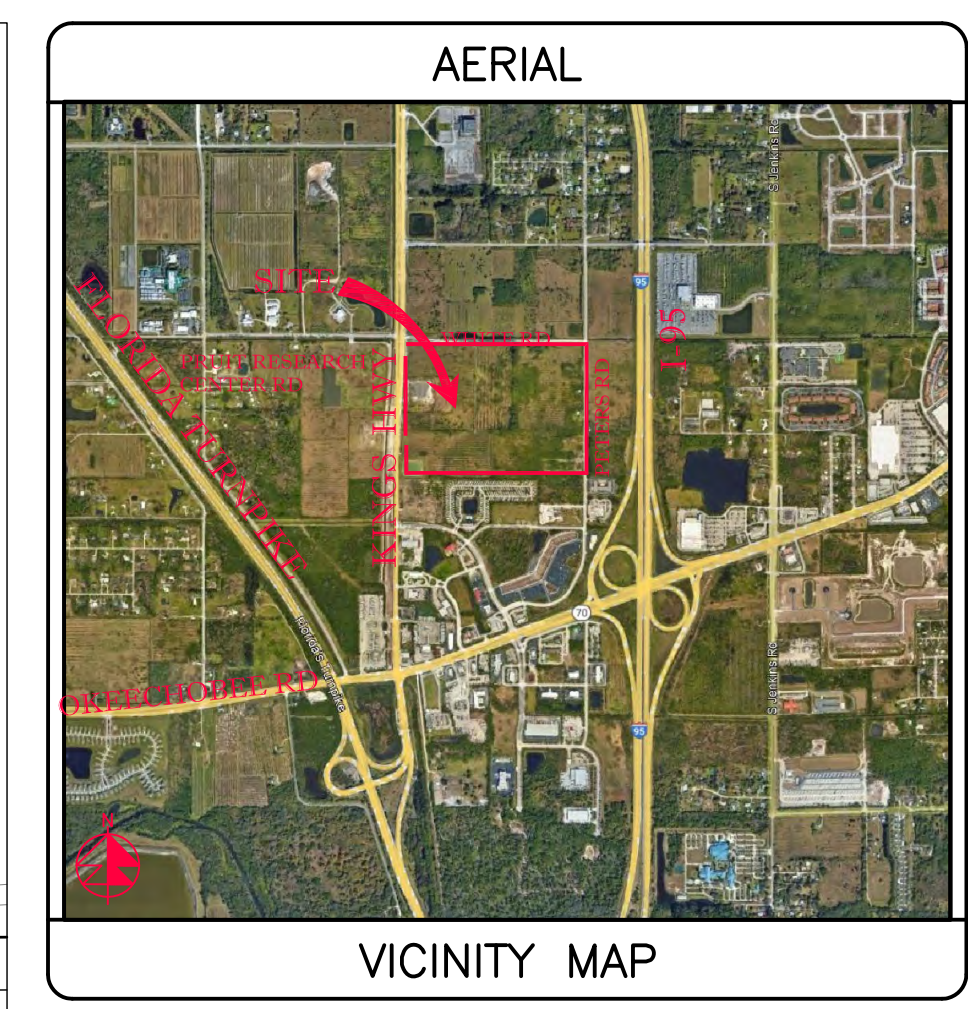
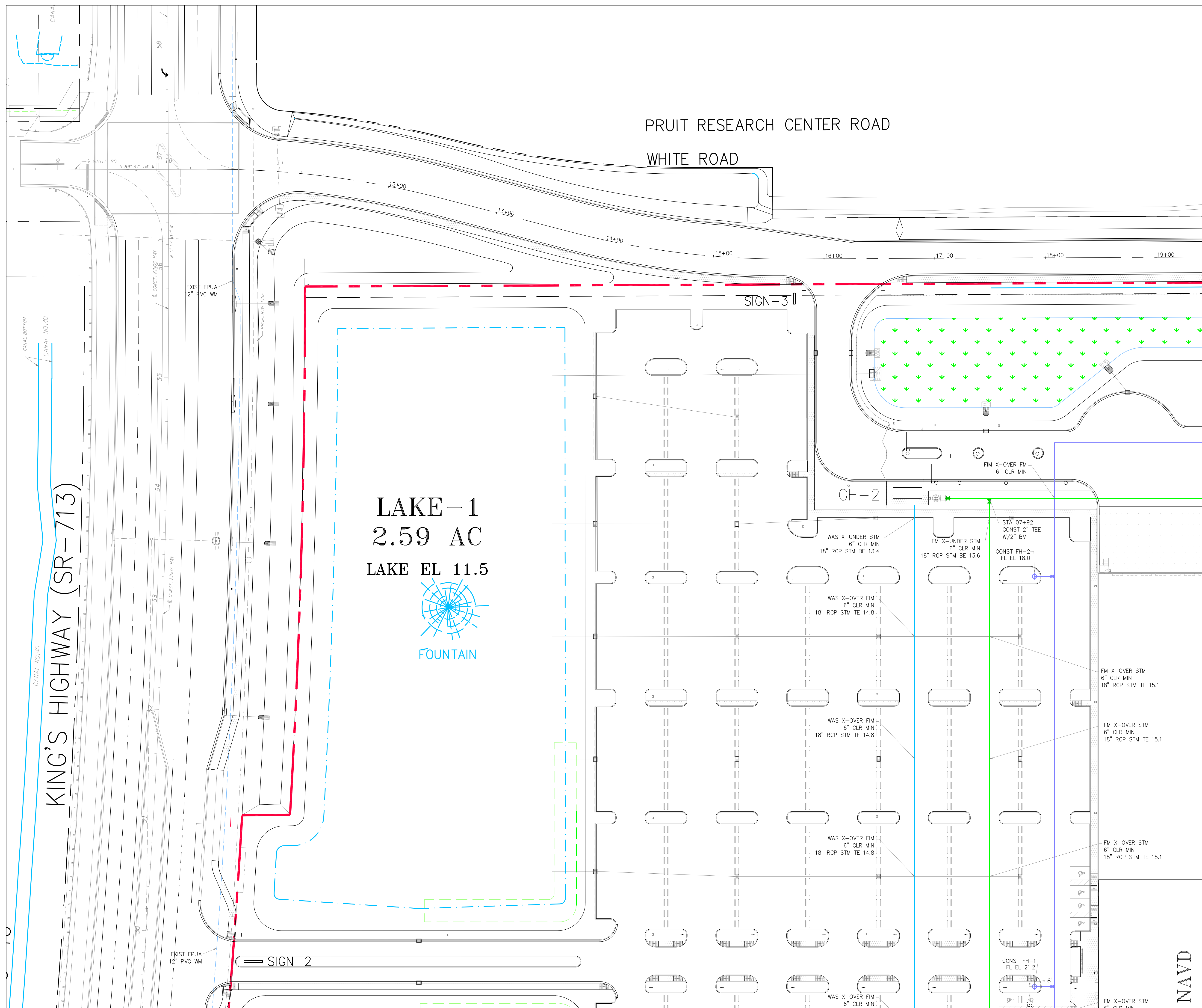
REVISIONS

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**Amazon One Grocery**  
HFLI  
Kings Highway Commerce Park  
Parcel-III  
Fort Pierce, Florida

Water & Wastewater Plan	DATE	12/24/2025	SCALE	1" = 40'
	DESIGNED BY	JHI	DRAWN BY	DDI
	JOB NO.	2409-1533		

SEAL  
COA 6986  
SHEET NO.  
C-20



- SECTION 24, TWP 35S, RGE 39E
- SANITARY SERVICES SHALL BE CONSTRUCTED @ 1% MIN SLOPE W/ CLEANOUTS EVERY 75' OC.
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LEGEND

- PROF PAVT EL
- EXIST EL
- CONTRACTOR TO FIELD VERIFY
- INVT EL
- CATCH BASIN
- YARD DRAIN
- BOTTOM OF CURB
- TOP OF CURB
- TOP EL
- EXFILTRATION TRENCH
- WATER MAIN
- FORCE MAIN
- FIRE MAIN
- WASTEWATER GRAVITY
- FIRE HYDRANT
- GATE VALVE
- GATE VALVE
- SIAMESE CONN.
- CHECK VALVE
- DOUBLE DETECTOR
- CHECK VALVE
- WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
- SAMPLE POINT
- MITERED END SECTION
- FIN FLOOR ELEV
- FLOW LINE ELEV
- TOP OF BANK
- TOE OF SLOPE
- TOP OF CONCRETE TAPPING VALVE
- CLEANOUT
- BORING NO. AND LOCATION
- APPROVED EQUIVALENT

48 HOURS BEFORE DIGGING  
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NOTIFICATION CENTER

DATE: 12/24/2025  
SCALE: 1" = 40'  
DESIGNED BY: JHI  
DRAWN BY: DDI  
JOB NO.: 2409-1533

SEAL  
COA 6896  
SHEET NO.  
C-21

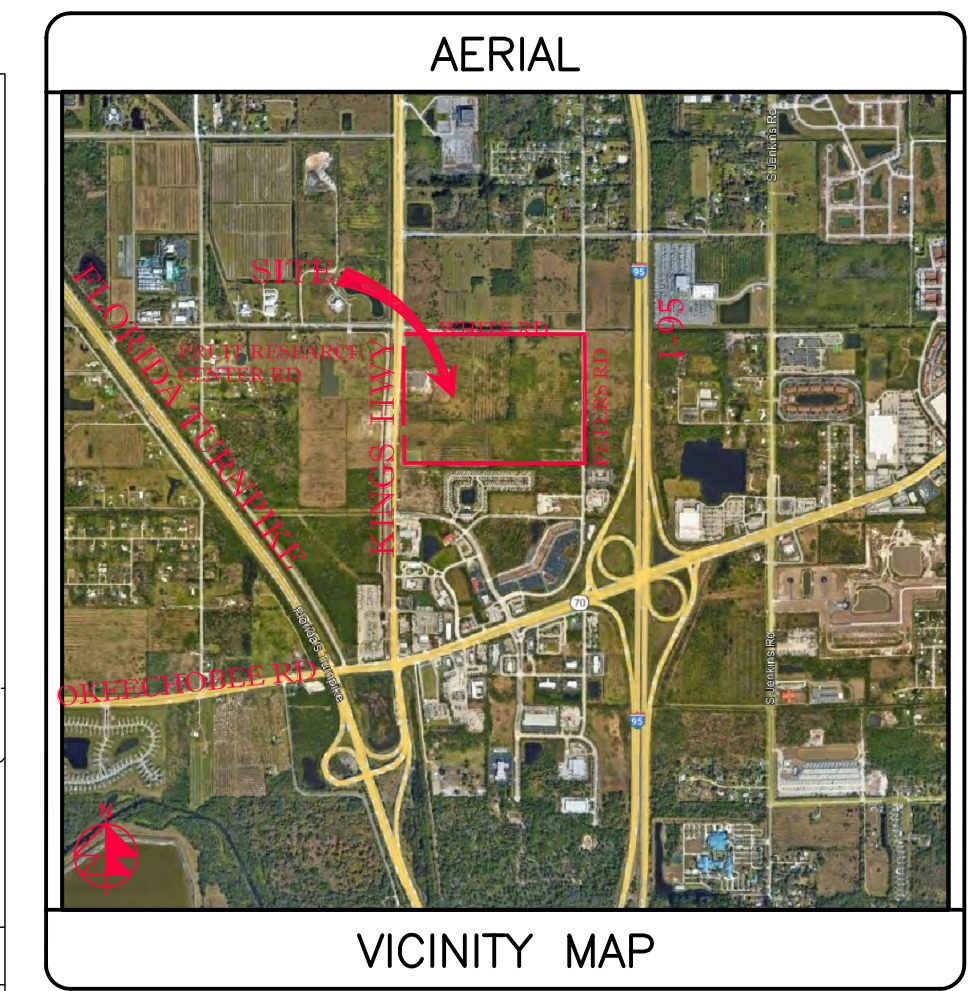
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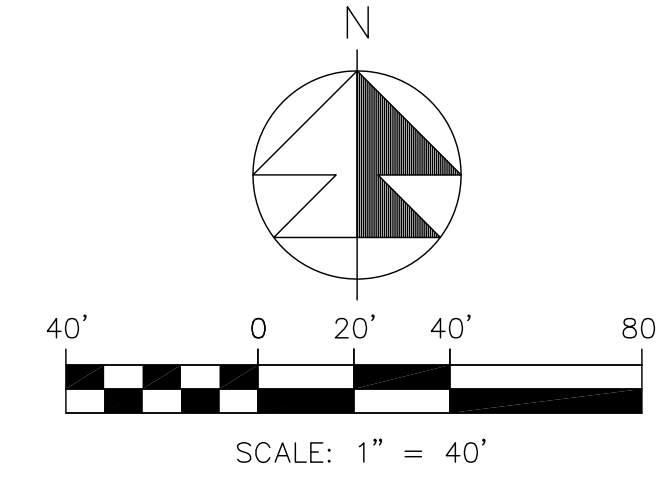
Amazon One Grocery  
HPLI  
Kings Highway Commerce Park  
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Water & Wastewater Plan

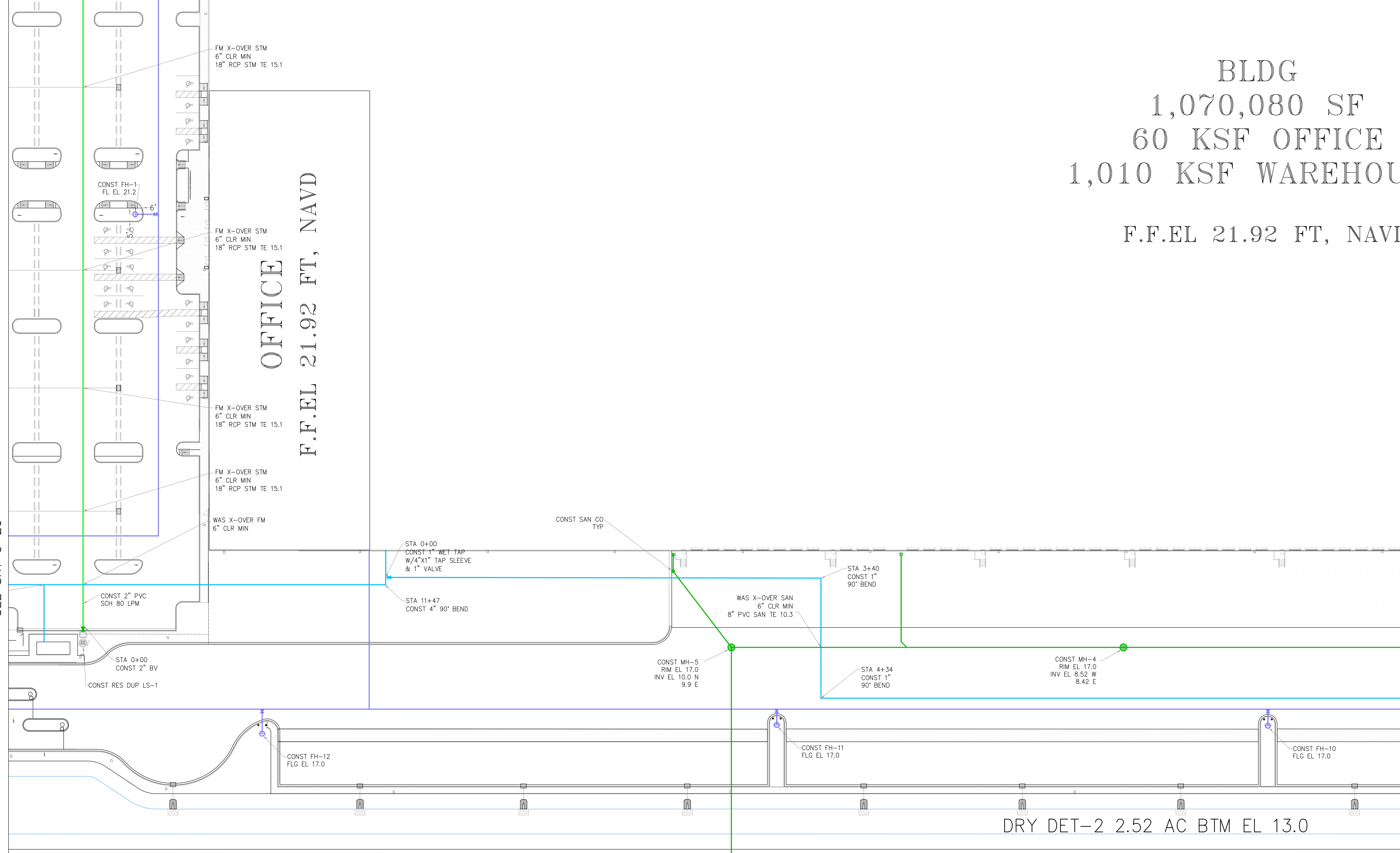
BLDG  
1,070,080 SF  
60 KSF OFFICE  
1,010 KSF WAREHOUSE  
F.F.EL 21.92 FT, NAVD



SECTION 24, TWP 35S, RGE 39E



- SANITARY SERVICES SHALL BE CONSTRUCTED @ 1% MIN SLOPE W/ CLEANOUTS EVERY 75' OC.
- CONTRACTOR SHALL VERIFY SAN SERV INV EL @ BLDG W/ GC PRIOR TO CONSTRUCTION.
- FIRE LINE AFTER REDUCED PRESSURE DET ASSEMBLY/RPDA SHALL BE DESIGNED & CONSTRUCTED BY FL RED FIRE SPRINKLER CONTRACTOR WHO SHALL VERIFY LOCATION OF ALL CONNECTIONS INCLUDING FIRE DEPT CONNS.
- WATER MAIN SHALL BE PVC SDR-18. FIRE MAIN SHALL BE PVC C-900 SDR-14. SANITARY MAINS & SERVICES SHALL BE PVC SDR-26.
- ALL WM PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT WILL BE COLOR CODED OR MARKED IN ACCORDANCE WITH SUBPARAGRAPH 62-555.32(21)(b)3, F.A.C., USING BLUE AS A PREDOMINANT COLOR. (UNDERGROUND PLASTIC PIPE WILL BE SOLID WALL BLUE PIPE, WILL HAVE A CO-EXTRUDED BLUE EXTERNAL SKIN, OR WILL BE WHITE OR BLACK PIPE WITH BLUE STRIPES INCORPORATED INTO, OR APPLIED TO, THE PIPE WALL; AND UNDERGROUND METAL OR CONCRETE PIPE WILL HAVE BLUE STRIPES APPLIED TO THE PIPE WALL. PIPE STRIPES DURING THE MANUFACTURING OF THE PIPE WILL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE, THAT ARE LOCATED NO MORE THAN 90-DEGREE INTERVALS AROUND THE PIPE, AND THAT WILL REMAIN INTACT DURING AND AFTER THE INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIP THE PIPE DURING THE INSTALLATION OF THE PIPE, THE TAPE OR PAINT WILL 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 PIPE WITH AN INTERNAL DIAMETER OF 24 INCHES OR GREATER, TAPE OR PAINT WILL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE. ABOVEGROUND PIPE WILL BE PAINTED BLUE OR WILL BE COLOR CODED OR MARKED LIKE UNDERGROUND PIPE.
- EXACT LOCATION OF WATER SERVICE & FIRE LINE STUB OUTS TO BE VERIFIED WITH GC.
- CONTRACTOR SHALL CLEAN & FLUSH THE WATER LINE & PERFORM A ONE HR P&L TEST (150 PSI) ON THE WM PER CITY OF FT PIERCE'S UTILITY'S REQ'S.
- CONTRACTOR SHALL PROVIDE P&L TEST ON FM PER CITY OF FT PIERCE'S UTILITY'S REQ'S (200 PSI).
- ALL SEWER INFRASTRUCTURE TO MEET CITY OF FT PIERCE'S LATEST TECHNICAL PROVISIONS AND STANDARD DETAILS.
- WATER LINE SHALL BE SWABBED.
- 2" BLOW OF ASSEMBLY SHALL BE CONSTRUCTED OF BRASS AND WILL REMAIN PERMANENT.
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SEE SHT C-20

SEE SHT C-24

DRY DET-2 2.52 AC BTM EL 13.0

PH-II  
BLDG  
530,230 SF

LEGEND	
⊙ 19.7	PROP PAVT EL
⊙	EXIST EL
⊙	CONTRACTOR TO FIELD VERIFY
*	FIELD VERIFY
INV EL	INVERT EL
CD	CATCH BASIN
YD	YARD DRAIN
BC	BOTTOM OF CURB
BE	BOTTOM EL
TC	TOP OF CURB
TE	TOP EL
EXF	EXFILTRATION TRENCH
WM	WATER MAIN
FM	FORCE MAIN
FIM	FIRE MAIN
SAN	WASTEWATER GRAVITY
FW	FIRE HYDRANT
GV	GATE VALVE
GS	GATE VALVE
SC	SIAMESE CONN.
CV	CHECK VALVE
DCV	DOUBLE DETECTOR CHECK VALVE
WMT	WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
SP	SAMPLE POINT
MES	MITERED END SECTION
F.F.EL	FIN FLOOR ELEV
FL.EL	FLOW LINE ELEV
TOB	TOP OF BANK
TOS	TOE OF SLOPE
TOC	TOP OF CONCRETE
TV	TAPPING VALVE
CO	CLEANOUT
BN	BORING NO. AND LOCATION
AE	APPROVED EQUIVALENT

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12/24/2025	1" = 40'	JHI	DDI	2409-1533

SEAL

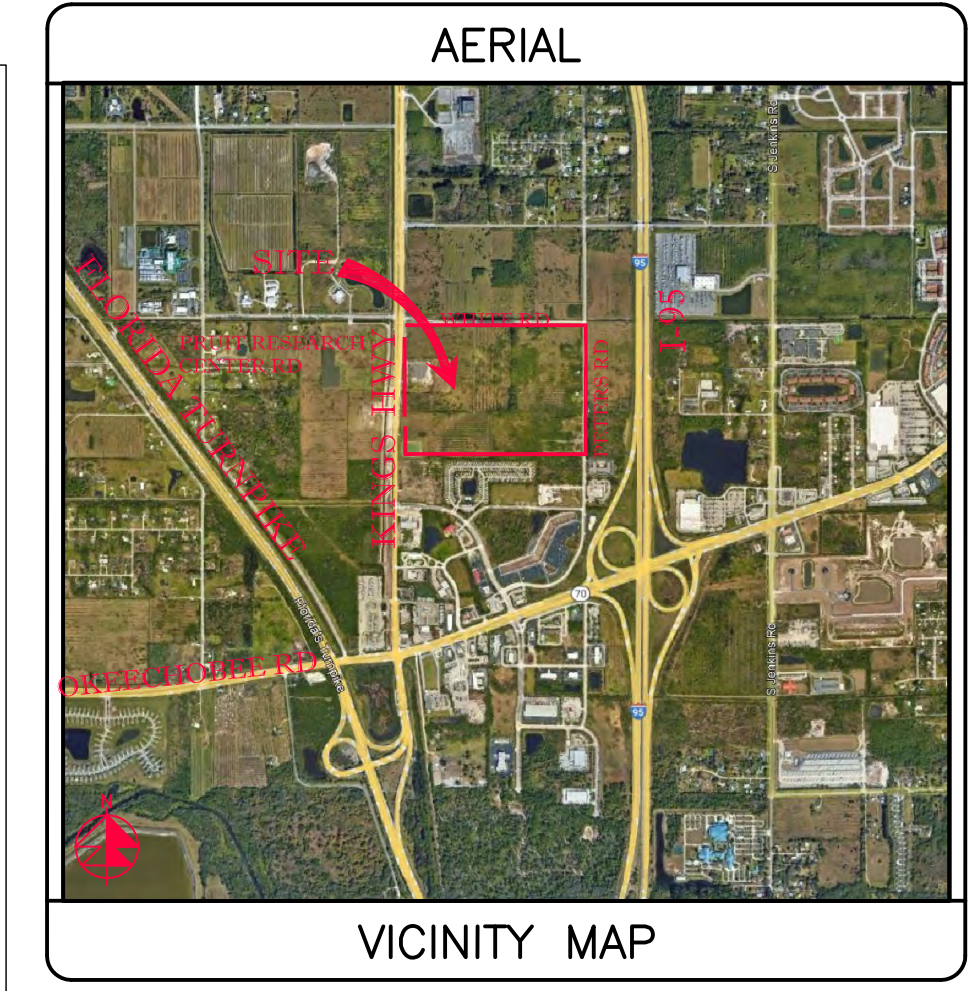
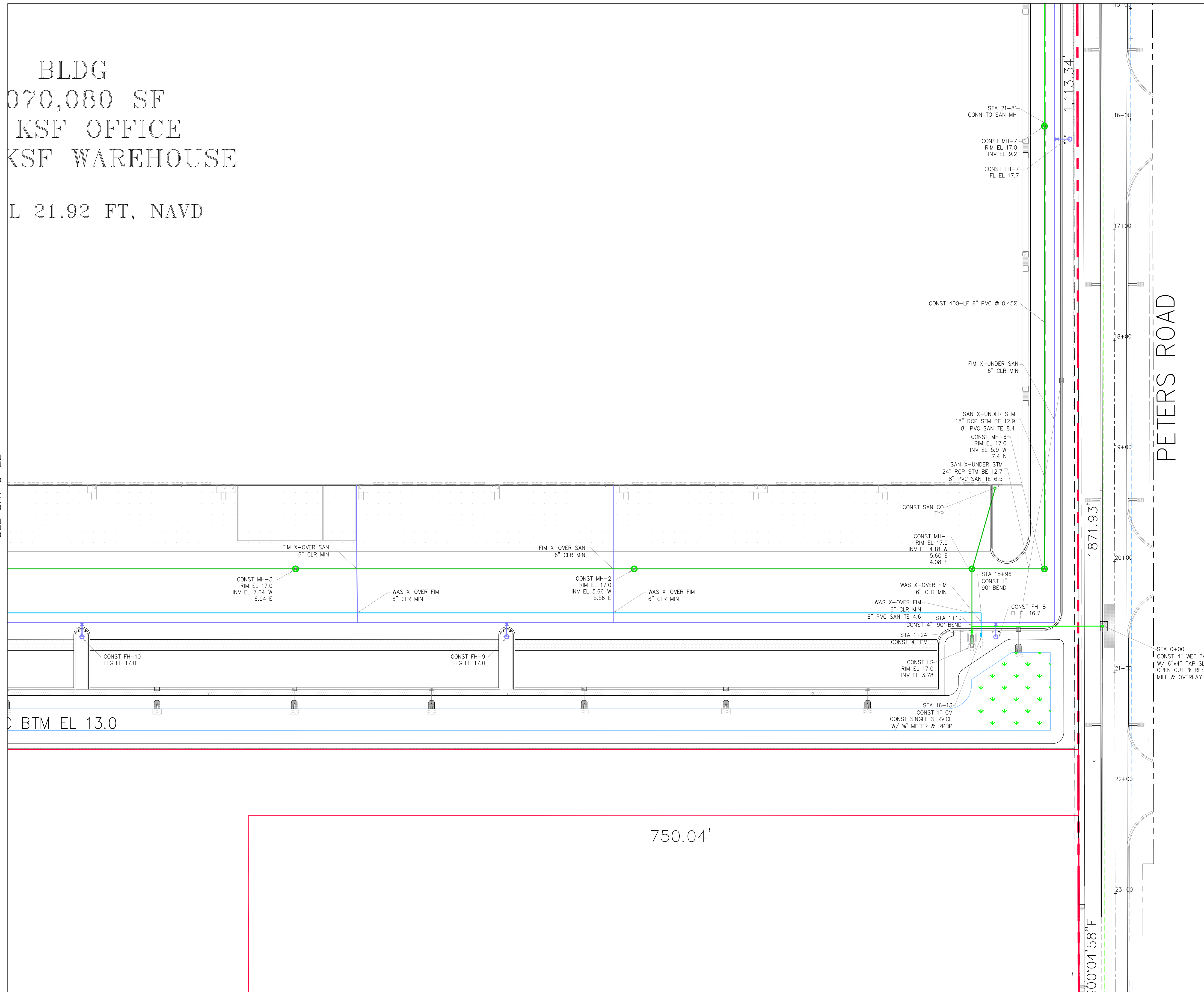
COA 6986  
SHEET NO.  
C-22



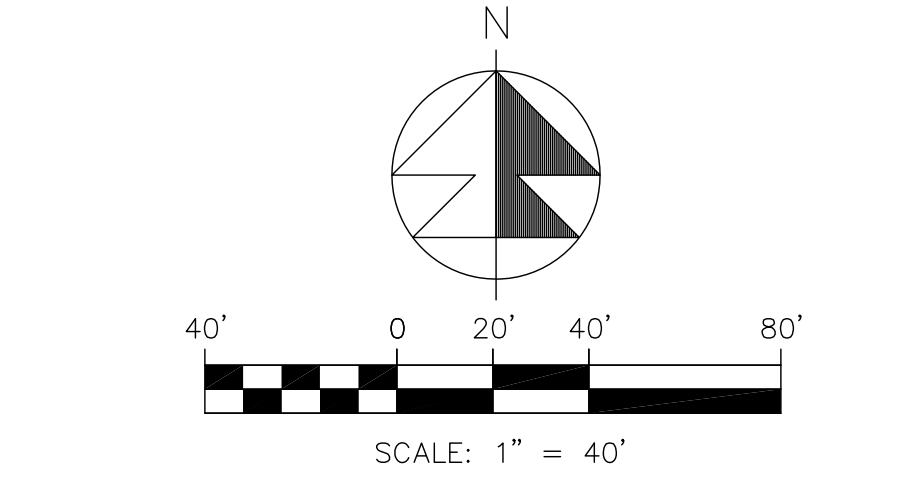
BLDG  
070,080 SF  
KSF OFFICE  
KSF WAREHOUSE

L 21.92 FT, NAVD

SEE SHT C-22



SECTION 24, TWP 35S, RGE 39E



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*	FIELD VERIFY
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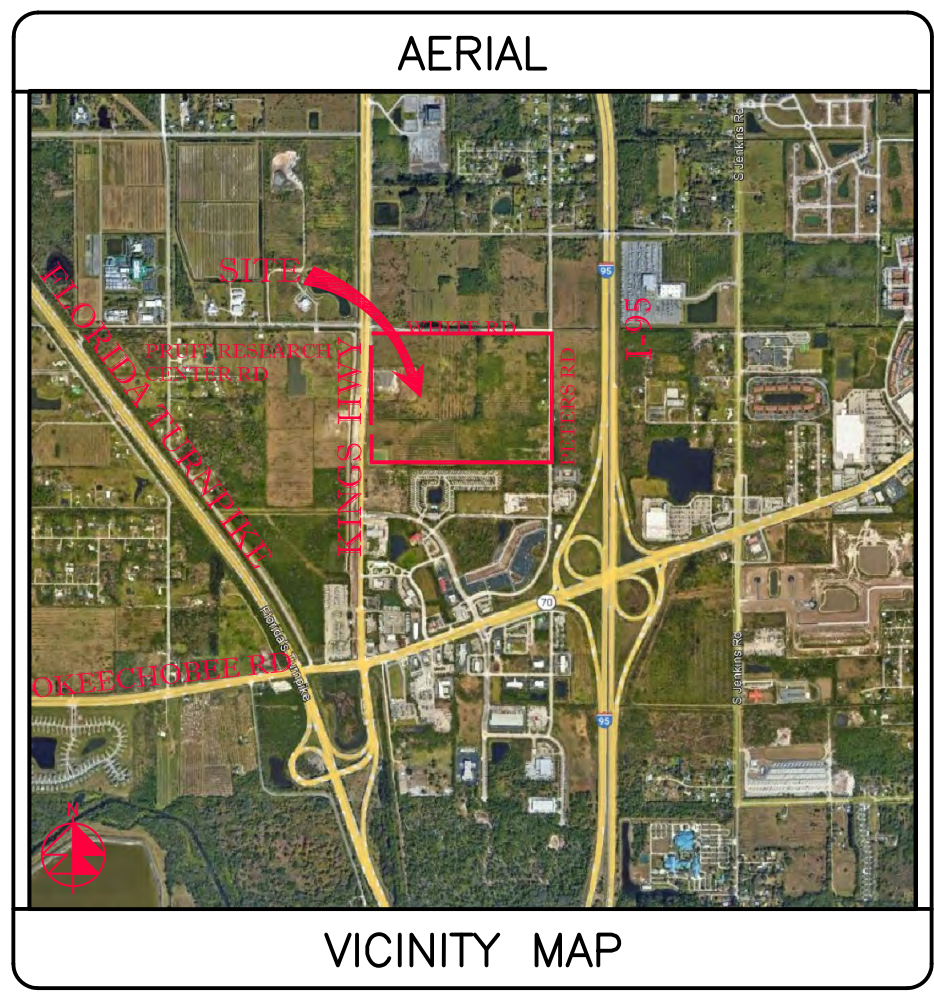
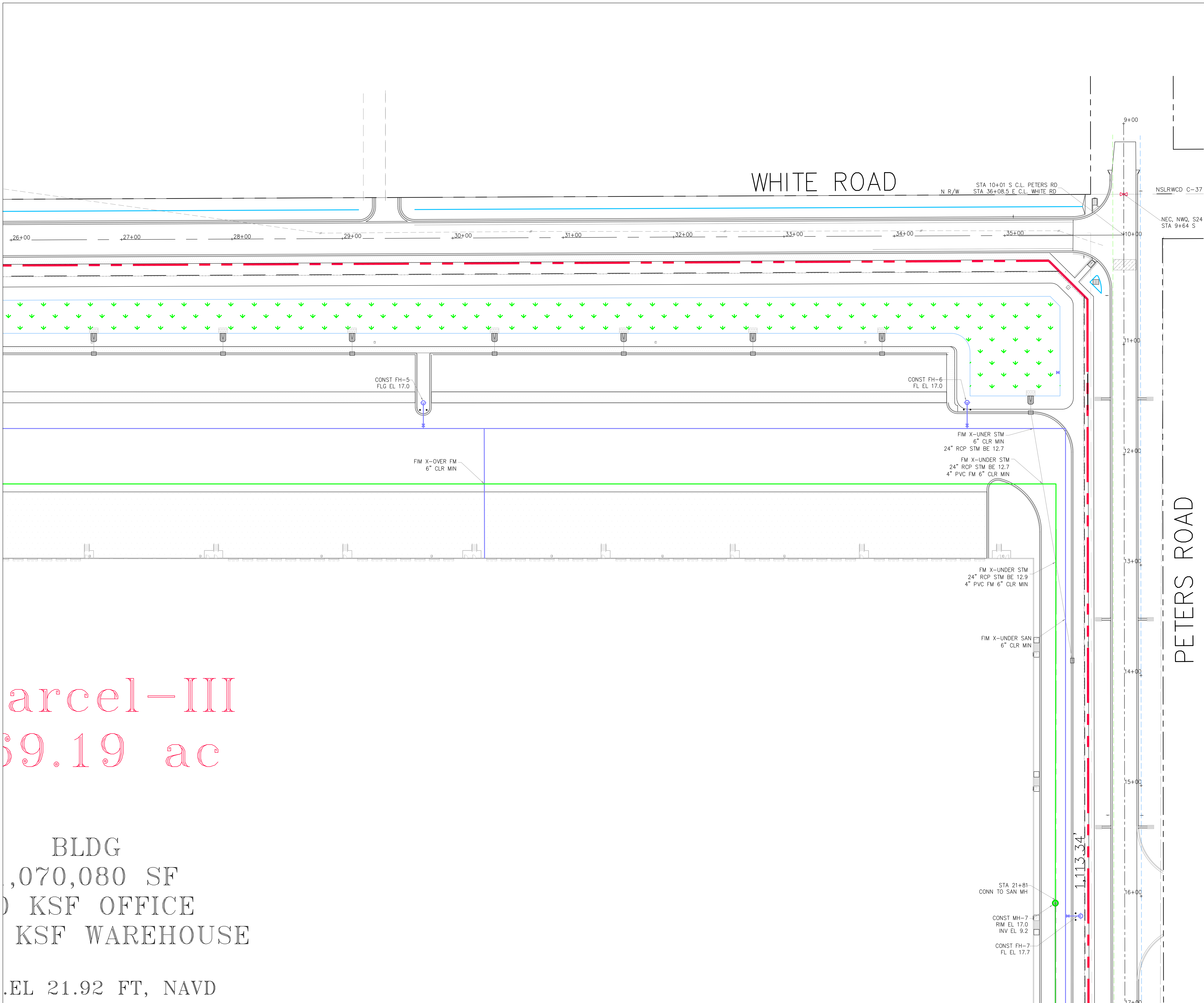
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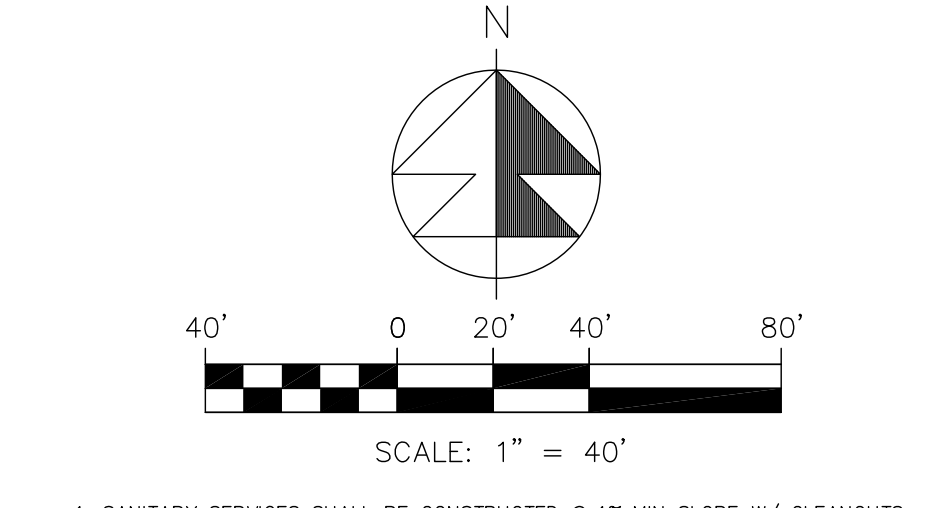
DATE	DESIGNED BY	DRAWN BY	JOB NO.
12/24/2025	JHI	DDI	2409-1533

SEAL

COA 6886  
SHEET NO.  
C-24



SECTION 24, TWP 35S, RGE 39E



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59.19 ac

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12/24/2025	1" = 40'	JHI	DDI	2409-1533

SEAL

COA 6886  
SHEET NO.  
C-25

**GENERAL NOTES:**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING ABOVE GROUND, UNDERGROUND, AND ON THE SURFACE STRUCTURES AND UTILITIES AGAINST THE CONSTRUCTION OPERATION THAT MAY CAUSE DAMAGE TO SAID FACILITIES.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED TESTS TO BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY APPROVED BY THE ENGINEER.
3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 24 HOURS PRIOR TO ANY REQUIRED INSPECTIONS AND SHALL SUPPLY ALL EQUIPMENT NECESSARY FOR INSPECTION AND/OR TEST.
4. THE CONTRACTOR SHALL GIVE ADEQUATE NOTIFICATION TO ALL AFFECTED UTILITY OWNERS FOR REMOVAL, RELOCATION AND ALTERATION OF THEIR EXISTING FACILITIES.
5. ALL EARTHWORK SHALL BE PERFORMED IN ACCORDANCE W/ SOIL ENGINEER REPORT. WHERE ENCOUNTERED, UNSUITABLE MATERIAL SHALL BE REMOVED TO A DEPTH AN AREA DETERMINED BY THE ENGINEER AND BACKFILLED WITH CLEAN GRANULAR SAND OR SELECT MATERIAL APPROVED BY THE ENGINEER. BACKFILLING SHALL BE IN LAYERS NOT GREATER THAN 8" THICKNESS AND COMPACTED TO 100 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY AASHTO T99-C. FILL UNDER BUILDING SHALL BE PLACED IN ACCORDANCE WITH SOIL ENGINEER'S RECOMMENDATIONS.
6. ALL WORK SHALL BE PERFORMED IN A WORKMANSHIP MANNER AND SHALL MEET WITH ALL APPLICABLE CITY, COUNTY, STATE, AND FEDERAL REGULATIONS AND/OR CODES, INCLUDING OSHA.
7. THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND/OR LICENSES TO COMMENCE CONSTRUCTION.
8. ALL CONCRETE SHALL DEVELOP A 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI OR OTHERWISE NOTED.
9. ALL REINFORCING STEEL SHALL CONFORM TO ASTM-615 AND HAVE A TENSILE STRENGTH OF 60,000 PSI OR OTHERWISE NOTED.
10. THE CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM THE DATE THAT PROJECT HAS BEEN ACCEPTED. ALL FAULTY CONSTRUCTION AND/OR MATERIALS DURING FORESAID PERIOD SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

**DRAINAGE**

1. ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED AS PER DETAIL AND IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
2. PIPE TRENCH SHALL BE DRY WHILE PIPE IS BEING LAID AND TO BE BEDDED PER DETAIL AND IN CONFORMANCE WITH SECTION 430, FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
3. PIPE TRENCHES TO EXCAVATED AND BACKFILL IN ACCORDANCE WITH SECTION 125, FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
4. THE FOLLOWING PIPES SHALL CONFORM WITH THE APPROPRIATE FOLLOWING SECTIONS OF FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION:
  1. REINFORCED CONCRETE PIPE (RCP) - SECTIONS 430 AND 941
  2. CORRUGATED ALUMINUM PIPE (CAP) - SECTIONS 430 AND 945
  3. CORRUGATED STEEL PIPE (CMP) - SECTIONS 430 AND 943
5. ALL CORRUGATED PIPES SHALL BE INSTALLED WITH MAXIMUM LENGTHS IN ORDER TO MINIMIZE JOINTS.
6. ALL CONNECTION BANDS, FOR CORRUGATED PIPES, SHALL BE CORRUGATED, LAP-TYPE, IN CONFORMANCE WITH AASHTO M-196, AND TO BE MADE WATER-TIGHT BY USING A GASKET AT LEAST SIX (6) INCHES WIDE BY 3/4" THICK.
7. HDPE PIPE MATERIALS:
  - HDPE PIPES 12" THROUGH 36" NOMINAL DIAMETER: TYPE "S" SMOOTH INTERIOR PIPE IN CONFORMANCE WITH AASHTO M294. NOTE: CORRUGATIONS SHALL BE ANNULAR CONFIGURATION ONLY.
  - HDPE PIPES 42" AND 48" NOMINAL DIAMETER: TYPE "D" SMOOTH INTERIOR, SMOOTH EXTERIOR PIPE IN CONFORMANCE MP46-95 TYPE "D".
8. ALL SOD LAID WITHIN SLOPES OF BERMS, DRAINAGE SWALES, AND RETENTION AREAS SHALL BE PINNED PER ENGINEERS DIRECTION.
9. ALL PIPE JOINTS SHALL BE WRAPPED WITH FILTER FABRIC.
10. ALL ROOF DRAINS AND YARD DRAINS SHALL BE CONNECTED TO STRUCTURES BY THE UNDERGROUND CONTRACTOR.

**ROADWAY**

1. SUBGRADE SHALL BE AS SHOWN ON SECTION.
2. BASE SHALL BE AS SHOWN ON SECTION, HAVE A MINIMUM LBR 100 AND TO BE COMPACTED TO 98 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO-180.
3. PRIME COAT SHALL BE APPLIED AT THE RATE OF .15 GALLON PER SQ. YARD. WHERE REQUIRED, TACK SHALL BE APPLIED AT THE RATE OF .08 GALLON PER SQUARE YARD.
4. THE CONTRACTOR IS TO SUBMIT ALL REQUIRED TESTS ON SUBGRADE, BASE AND SURFACE COURSE MATERIAL PRIOR TO ANY REQUEST FOR PAYMENT.
5. IF ANY TEST FAILS TO MEET THEIR SPECIFICATIONS, THE CONTRACTOR, AT THEIR EXPENSE, SHALL CORRECT ALL DEFICIENT WORK AND SUBMIT TEST RESULTS INDICATING COMPLIANCE WITH THESE SPECIFICATIONS PRIOR TO ANY REQUEST FOR PAYMENT.
6. ALL UNDERGROUND UTILITIES WITHIN ROADWAY CONSTRUCTION SHALL BE INSTALLED PRIOR TO ROAD CONSTRUCTION.
7. ALL ROADWAY CONSTRUCTION AND MATERIAL SHALL CONFORM TO THE APPLICABLE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
8. ALL CURBING, AND RAISED SIDEWALK IF SHOWN, SHALL BE CONSTRUCTED PRIOR TO ASPHALT PAVING.

**CONSTRUCTION INSPECTION CHECKPOINTS**

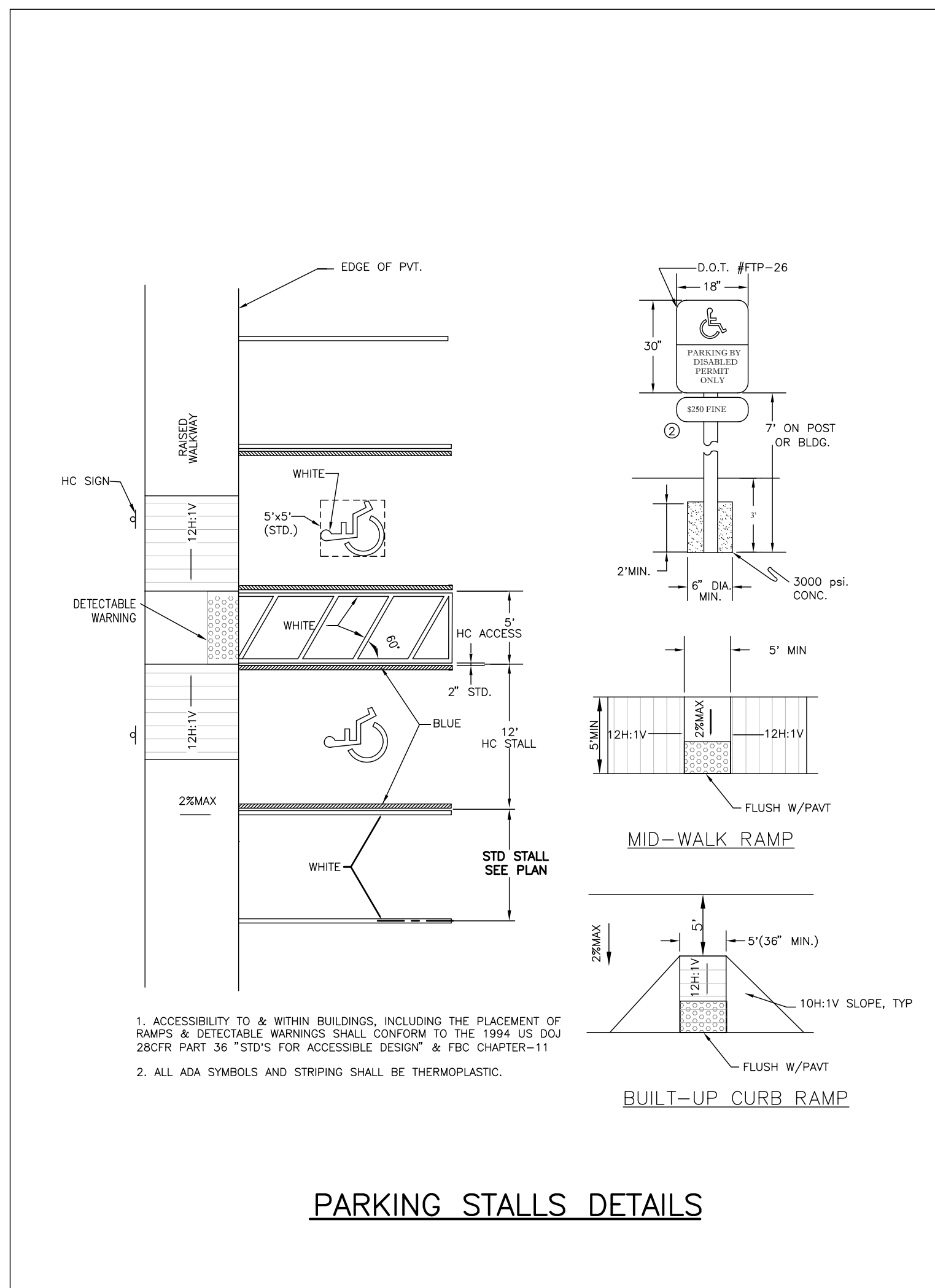
- ROADWAY: THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR INSPECTION AT THE FOLLOWING CHECKPOINTS:
1. PRIOR TO ANY DEVIATION FROM THE APPROVED GRADING, PAVING, AND DRAINAGE PLANS.
  2. PRIOR TO BACK FILLING OF TRENCHES CONTAINING HYDRAULIC CONDUITS, SO THAT JOINTS MAY BE INSPECTED.
  3. UPON COMPLETION OF THE SUBGRADE COMPACTION.
  4. AT THE TIME OF DELIVERY OF BASE MATERIAL.
  5. UPON COMPLETION OF THE BASE AND PRIOR TO PRIMING.
  6. IMMEDIATELY PRIOR TO AND DURING THE FIRST APPLICATION OF THE MIXES WEARING SURFACE.
  7. UPON COMPLETION OF CONSTRUCTION A FINAL INSPECTION MAY BE MADE WITH THE CONTRACTOR.

**STRIPING**

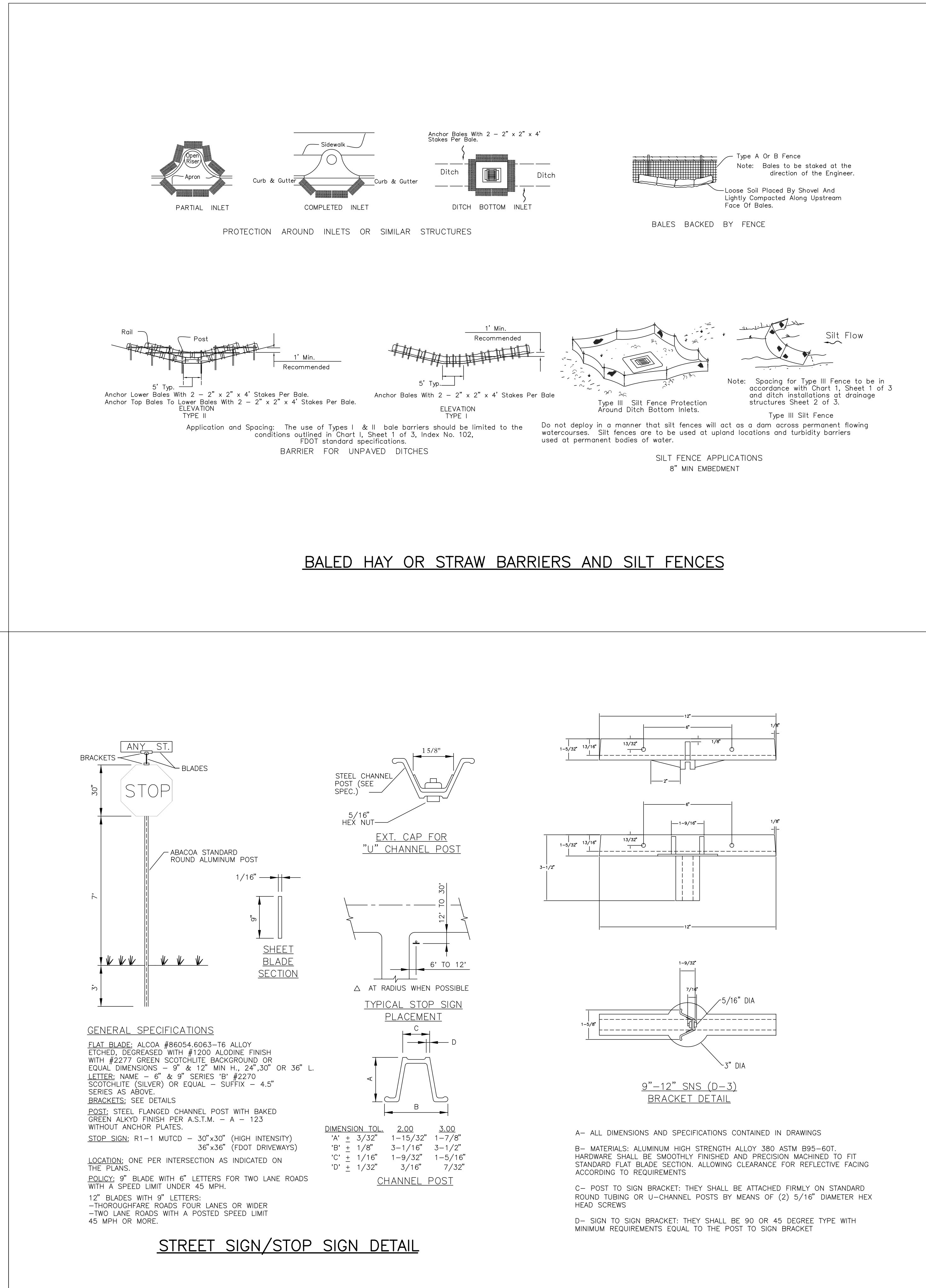
1. ALL PAVEMENT STRIPING SHALL BE THERMOPLASTIC IN ACCORDANCE WITH FDOT INDEX 711-001. STRIPING FOR PEDESTRIAN CROSSING AND STOP BARS SHALL BE THERMOPLASTIC IN ACCORDANCE WITH FDOT INDEX 711-001.

**CONCRETE SPECIFICATIONS**

1. ALL CONCRETE SHALL REACH COMP STRENGTH OF 3,000 PSI MIN IN 28 DAYS. MIX DESIGN SHALL INCLUDE MINIMUM CEMENT CONTENT OF 470 LBS OF PORTLAND CEMENT TYPE II PER ASTM C-150 & 120 LB OF FLY ASH /AE PER CY AND ADMIXTURES SHALL CONFORM TO ASTM C-494. WATER/CEMENT=0.5 MAX.
2. SLUMP AND CYLINDER TESTS (ASTM C-31) SHALL BE MADE BY AN INDEPENDENT TESTING LABORATORY. PROVIDE 4 TESTS WITH EACH CONCRETE POUR AND/OR EACH 50 YD OF CONCRETE PLACED. SLUMP @ POUR SHALL BE 5 IN MAX. (6" FOR PUMP MIX). NO WATER IS TO BE ADDED ON THE JOB SITE.
3. CONTRACTOR SHALL SUBMIT THE MIX DESIGN TO ENGINEER FOR REVIEW.



**PARKING STALLS DETAILS**



**BALED HAY OR STRAW BARRIERS AND SILT FENCES**

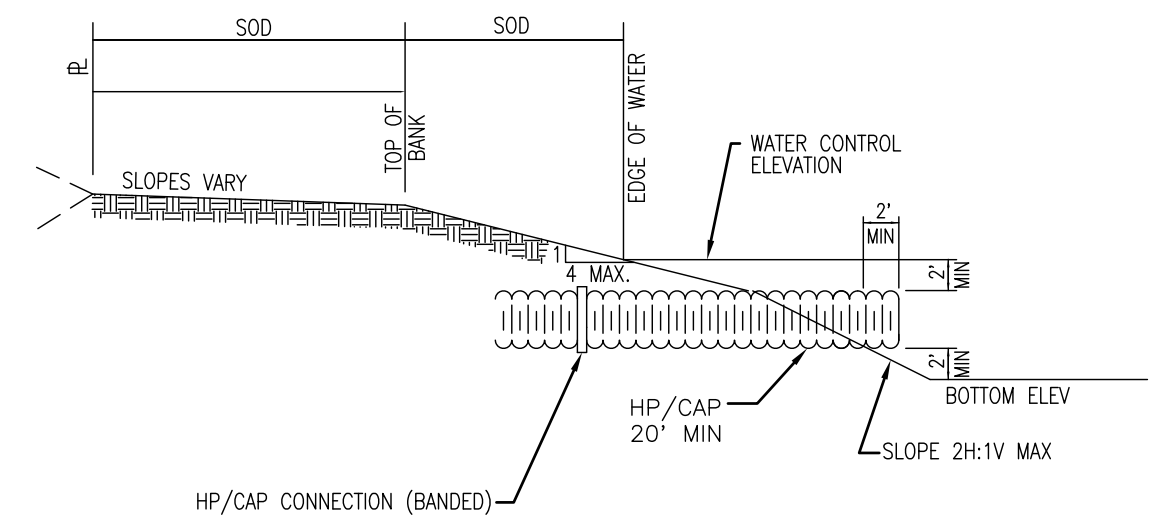
REVISIONS
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**Jeff H. Iravani, Inc.**  
 Consulting Engineers  
 1934 COMMERCE LANE, SUITE 5  
 JUPITER, FLORIDA 33458  
 TEL: (561) 575-6030  
 FAX: (561) 575-6088  
 WEBSITE: www.jhinc.com  
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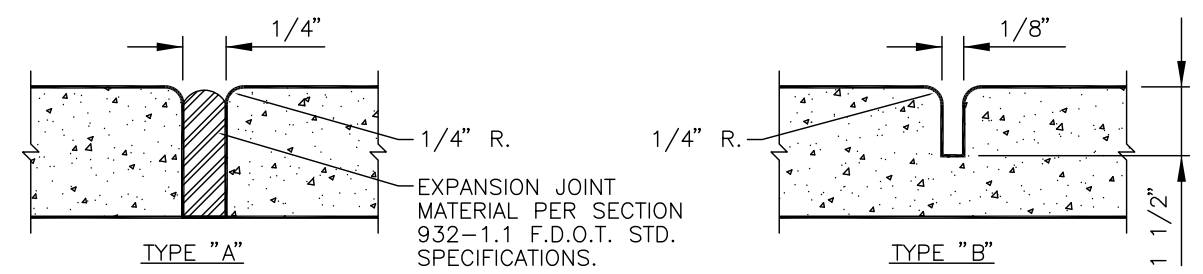
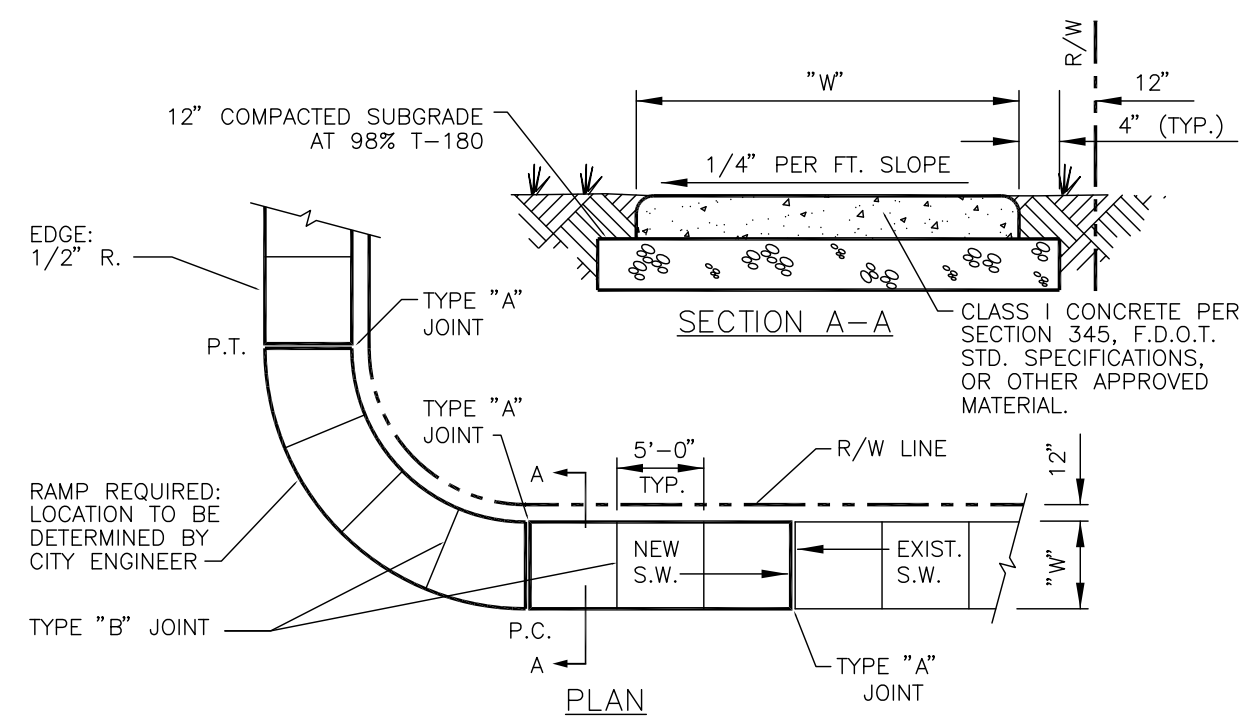
**Amazon One Grocery**  
 HFL1  
 Kings Highway Commerce Park  
 Parcel-III  
 Fort Pierce, Florida

PAVING, GRADING, & DRAINAGE DETAILS	JOB NO.	2509-1533
	DESIGNED BY	JHI
SCALE	DRAWN BY	DDI
DATE	12/24/2025	NA

SEAL  
 C-26



TYPICAL LAKE BANK AND DRAINAGE OUTFALL



SIDEWALK JOINT

TABLE OF SIDEWALK THICKNESS - "T"	
RESIDENTIAL AREAS	4"
WITHIN 10' OF CROSS-STREETS, AT DRIVEWAYS & OTHER AREAS	6"
TABLE OF SIDEWALK WIDTHS - "W"	
EXCLUDING CURB	5'
INCLUDING 2' VOH	7'

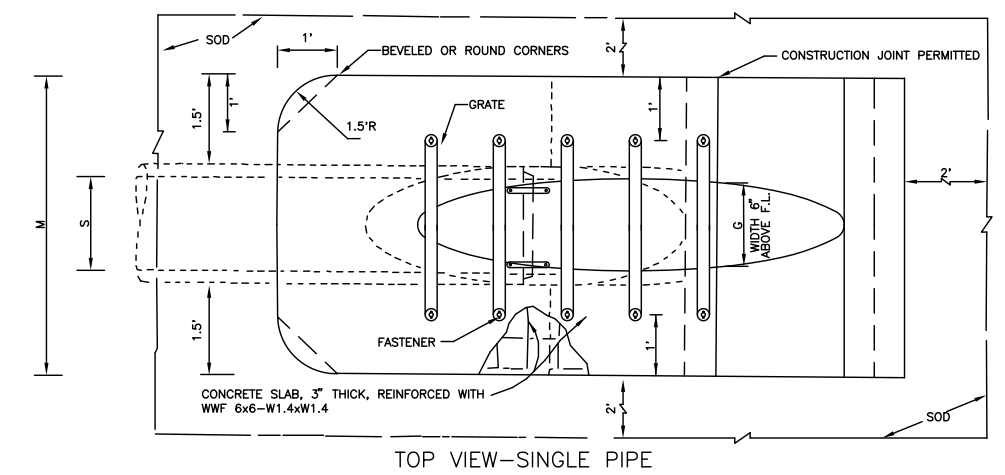
\* MINIMUM.

TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
"A"	P.C. AND P.T. OF CURVES, JUNCTION OF EXISTING & NEW SIDEWALKS & EVERY 30'
"B"	5'-0" CENTER TO CENTER ON SIDEWALKS SCORED DURING PLACEMENT OR SAWCUT WITHIN 24 HOURS OF PLACEMENT
"A"	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES

SIDEWALK CONSTRUCTION DETAIL

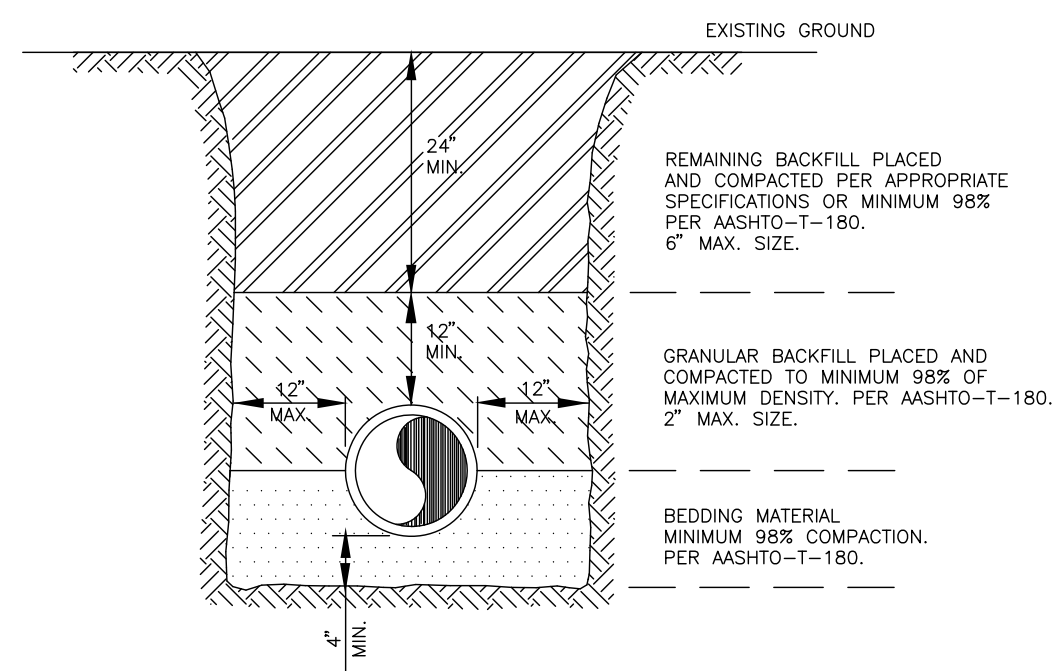
4 TO 1 SLOPE										
D	X	A	B	C	E	F	G	M	N	GRATE
15	2'-0"	2'-2"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	SINGLE PIPE
18	2'-0"	2'-2"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	DOUBLE PIPE
21	2'-0"	2'-2"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	TRIPLE PIPE
24	2'-0"	2'-2"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	QUAD PIPE
27	2'-0"	2'-2"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	MINIMUM WEIGHT PIPE
30	2'-0"	2'-2"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	STANDARD WEIGHT PIPE

▲ 6.40'      ▲ 6.20' DIMENSIONS PERMITTED TO ALLOW USE OF 8' STANDARD PIPE LENGTHS.  
 ○ 10.40'      ○ 10.10' DIMENSIONS PERMITTED TO ALLOW USE OF 12' STANDARD PIPE LENGTHS.  
 ▲△ CONCRETE SLAB SHALL BE DEEPENED TO FORM BRIDGE ACROSS CROWN OF PIPE. SEE SECTION BELOW.



MITERED END DETAIL

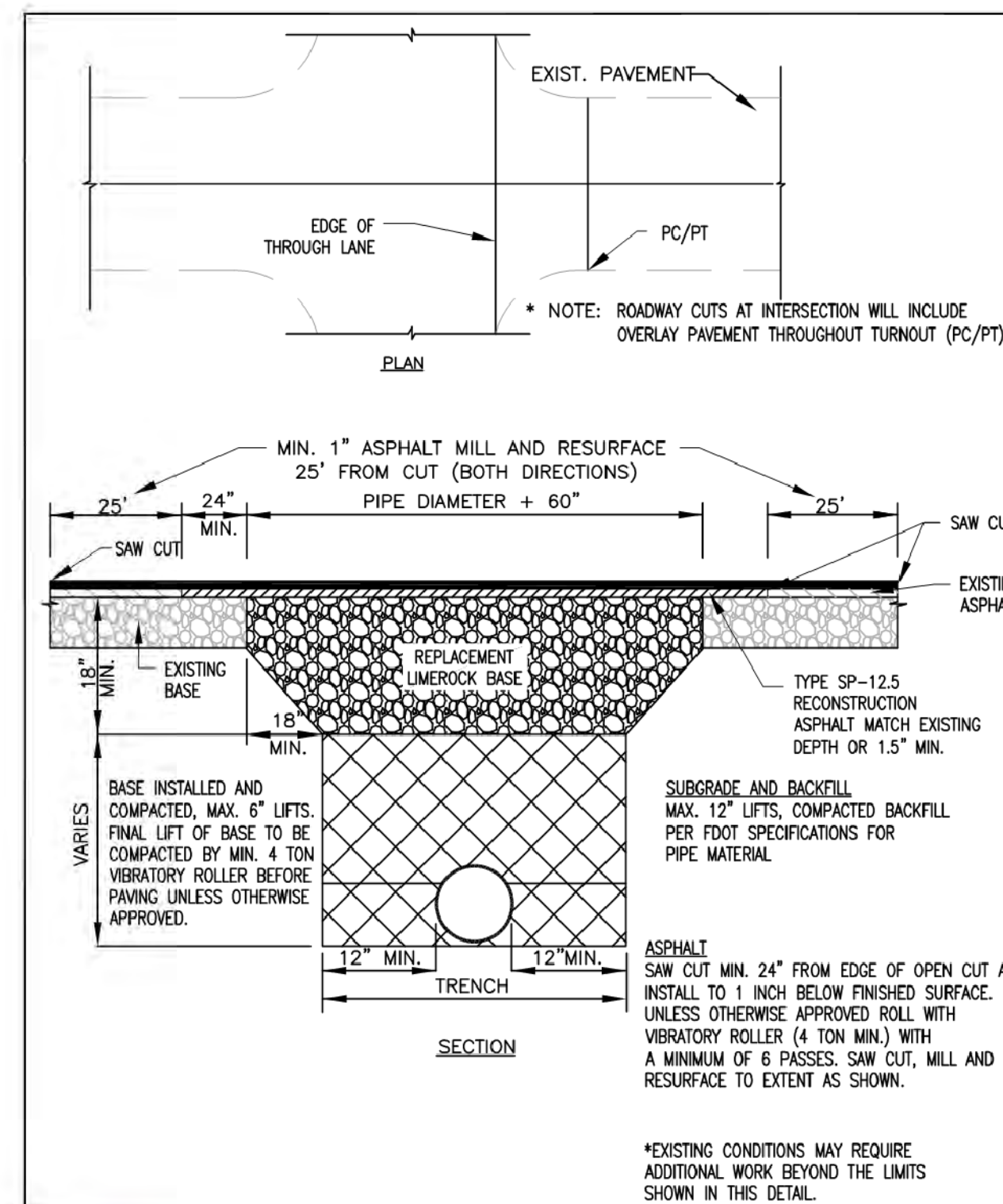
SEE LATEST FDOT ROADWAY & TRAFFIC DESIGN STANDARDS MANUAL SIDE DRAIN MITERED END SECTION FOR SINGLE AND MULTIPLE ROUND CONCRETE PIPE



NOTES:

- BEDDING SHALL CONSIST OF IN-SITU GRANULAR MATERIAL OR WASHED AND GRADED LIMEROCK 3/8"-7/8" SIZING. UNSUITABLE IN-SITU MATERIALS SUCH AS MUCK, DEBRIS AND LARGER ROCKS SHALL BE REMOVED.
- THE PIPE SHALL BE FULLY SUPPORTED FOR ITS ENTIRE LENGTH WITH APPROPRIATE COMPACTION UNDER THE PIPE HAUNCHES.
- THE PIPE SHALL BE PLACED IN A DRY TRENCH.
- BACKFILL SHALL BE FREE OF UNSUITABLE MATERIAL SUCH AS LARGE ROCK, MUCK, AND DEBRIS.
- DENSITY TESTS ARE REQUIRED IN 1 FOOT LIFTS ABOVE THE PIPE AT INTERVALS OF 400' MAXIMUM, OR AS DIRECTED BY THE INSPECTOR.

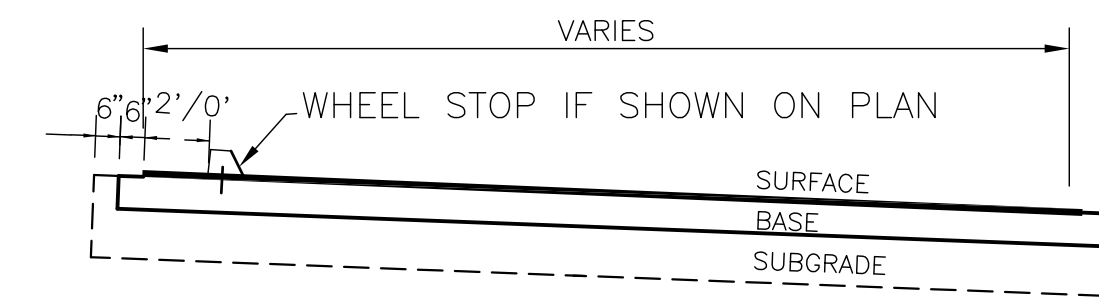
TYPICAL TRENCH DETAIL



LAND DEVELOPMENT DETAILS

DATE: 11/22/21

TYPICAL OPEN CUT TRENCH & RESTORATION



FLEXIBLE PAVEMENT (STANDARD DUTY/CAR TRAFFIC)

SURFACE: 3" ACSC (1ST LIFT 1.5" SP-12.5 2ND LIFT 1.5" SP-9.5)  
 BASE: 8" LIMEROCK/COQUINA ROCK/CRUSHED CONC\* MIN LBR 100  
 SUBGRADE: 12" STABILIZED SUBGRADE, LBR40

FLEXIBLE PAVEMENT (HEAVY DUTY/TRUCK TRAFFIC)

SURFACE: 4" S-1/SP 12.5 ACSC (2-2" LIFTS)  
 BASE: 10" LIMEROCK/COQUINA ROCK/CRUSHED CONC\* MIN LBR 100  
 SUBGRADE: 12" STABILIZED SUBGRADE, LBR40

CONC SLAB

SURFACE: 7" W/2-6X6 W1.4XW1.4 W/M  
 W/1.75" SAW-CUTS @ 13' MAX O.C. E.W.  
 SAW CUT SLAB DIM'S PROPORTION SHALL BE 1.25:1MIN  
 ALL JOINTS SHALL BE IN ACCORD W/ FDOT INDEX 305  
 BASE: 8" LIMEROCK / COQUINA ROCK COMP MIN LBR 100  
 SUBGRADE: 12" STABILIZED SUBGRADE, LBR40

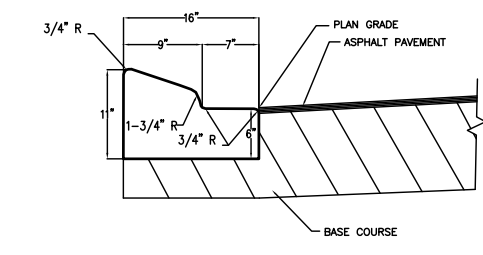
COMP: COMPACTED TO 98% MAX D.D. AASHTO T-180

\* CRUSHED CONC MIN LBR 150.  
 ALL BASE SHALL BE FROM DIRT CERTIFIED PIT.  
 5.5" OF BASE MAY BE SUBSTITUTED FOR 12" STABILIZED SUBGRADE.

CONCRETE SPECIFICATIONS

- ALL CONCRETE SHALL REACH COMP STRENGTH OF 4,000 PSI MIN IN 28 DAYS. MIX DESIGN SHALL INCLUDE MINIMUM CEMENT CONTENT OF 470 LBS OF PORTLAND CEMENT TYPE II PER ASTM C-150 & 120 LB OF FLY ASH /AE PER CY AND ADMIXTURES SHALL CONFORM TO ASTM C-494. WATER/CEMENT=0.5 MAX.
- SLUMP AND CYLINDER TESTS (ASTM C-31) SHALL BE MADE BY AN INDEPENDENT TESTING LABORATORY. PROVIDE 4 TESTS WITH EACH CONCRETE POUR AND/OR EACH 50 YD OF CONCRETE PLACED. SLUMP @ POUR SHALL BE 5 IN MAX. (6" FOR PUMP MIX). NO WATER IS TO BE ADDED ON THE JOB SITE.
- CONTRACTOR SHALL SUBMIT THE MIX DESIGN TO ENGINEER FOR REVIEW.

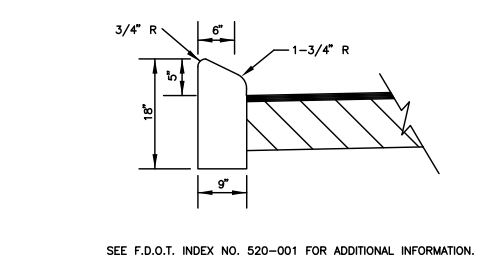
PAVEMENT TYP SECTION



- NOTES:
- SEE F.D.O.T. INDEX NO. 520-001 FOR ADDITIONAL INFORMATION.
  - CURB TO BE IN PLACE PRIOR TO SURFACE COURSE BEING PLACED.
  - SAWCUTS TO BE MADE AT 10' O.C. THROUGHOUT CURB CONST.

TYPE "A" CURB

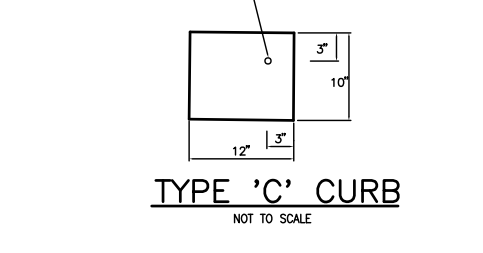
NOT TO SCALE



- NOTES:
- SEE F.D.O.T. INDEX NO. 520-001 FOR ADDITIONAL INFORMATION.
  - CURB TO BE IN PLACE PRIOR TO SURFACE COURSE BEING PLACED.
  - SAWCUTS TO BE MADE AT 10' O.C. THROUGHOUT CURB CONST.

TYPE "B" CURB

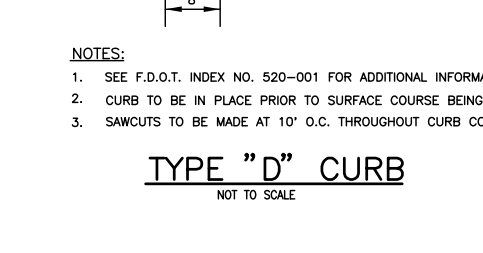
NOT TO SCALE



- NOTES:
- SEE F.D.O.T. INDEX NO. 520-001 FOR ADDITIONAL INFORMATION.
  - CURB TO BE IN PLACE PRIOR TO SURFACE COURSE BEING PLACED.
  - SAWCUTS TO BE MADE AT 10' O.C. THROUGHOUT CURB CONST.

TYPE "C" CURB

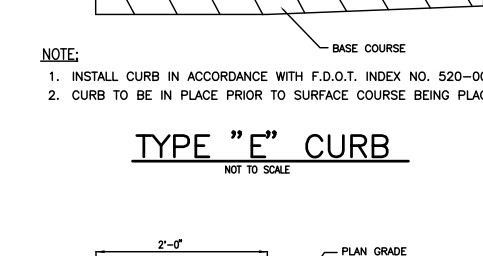
NOT TO SCALE



- NOTES:
- SEE F.D.O.T. INDEX NO. 520-001 FOR ADDITIONAL INFORMATION.
  - CURB TO BE IN PLACE PRIOR TO SURFACE COURSE BEING PLACED.
  - SAWCUTS TO BE MADE AT 10' O.C. THROUGHOUT CURB CONST.

TYPE "D" CURB

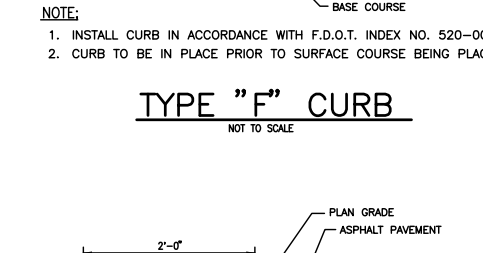
NOT TO SCALE



- NOTES:
- INSTALL CURB IN ACCORDANCE WITH F.D.O.T. INDEX NO. 520-001
  - CURB TO BE IN PLACE PRIOR TO SURFACE COURSE BEING PLACED.

TYPE "E" CURB

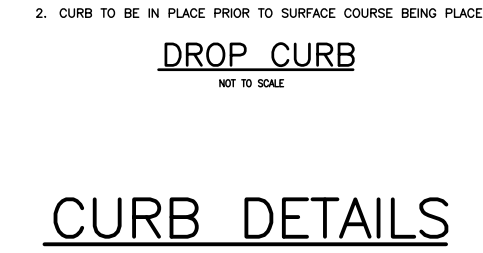
NOT TO SCALE



- NOTES:
- INSTALL CURB IN ACCORDANCE WITH F.D.O.T. INDEX NO. 520-001
  - CURB TO BE IN PLACE PRIOR TO SURFACE COURSE BEING PLACED.

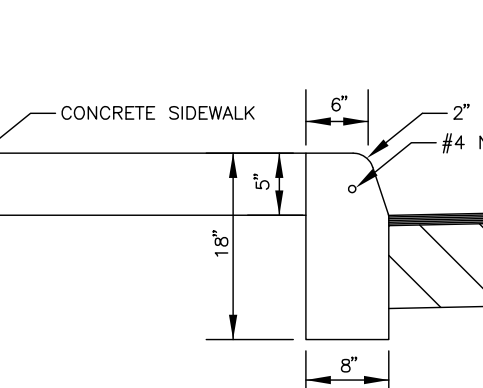
TYPE "F" CURB

NOT TO SCALE



DROP CURB

NOT TO SCALE



- NOTES:
- SEE F.D.O.T. INDEX NO. 520-001 FOR ADDITIONAL INFORMATION.
  - CURB TO BE IN PLACE PRIOR TO SURFACE COURSE BEING PLACED.
  - SAWCUTS TO BE MADE AT 10' O.C. THROUGHOUT CURB CONST.
  - SIDEWALK TO BE POURED AFTER CURB CONSTRUCTION
  - SEE SIDEWALK DETAIL FOR JOINT PLACEMENT

RAISED SIDEWALK W/ CURB

NOT TO SCALE

SIDEWALK DETAILS

REVISIONS

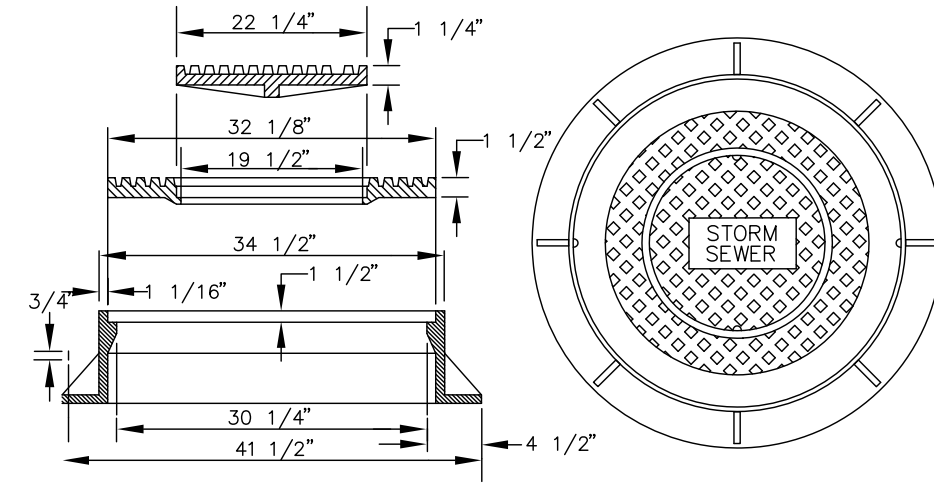
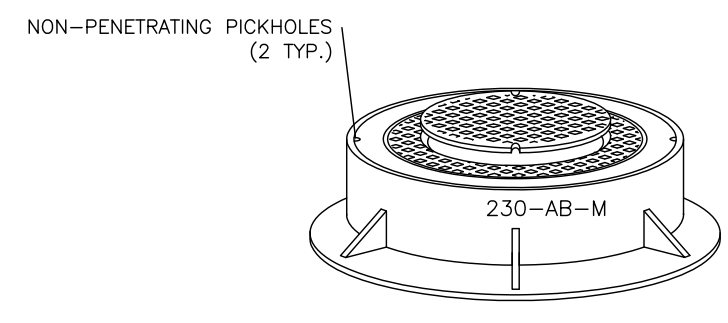
Jeff H. Iravani, Inc.  
 Consulting Engineers  
 1934 COMMERCE LANE, SUITE 5  
 JUPITER, FLORIDA 33458  
 TEL: (561) 575-6030  
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Amazon One Grocery  
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 Kings Highway Commerce Park  
 Parcel-III  
 Fort Pierce, Florida

PAVING, GRADING, & DRAINAGE DETAILS

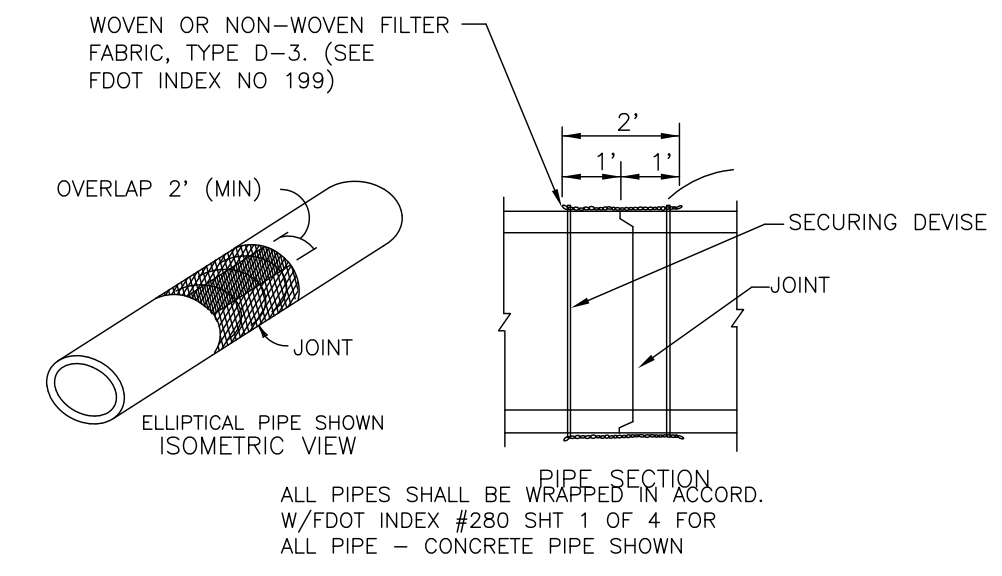
DATE	SCALE	DESIGNED BY	DRAWN BY	JOB NO.
12/24/2025	NA	JHI	DDI	2509-1533

SEAL

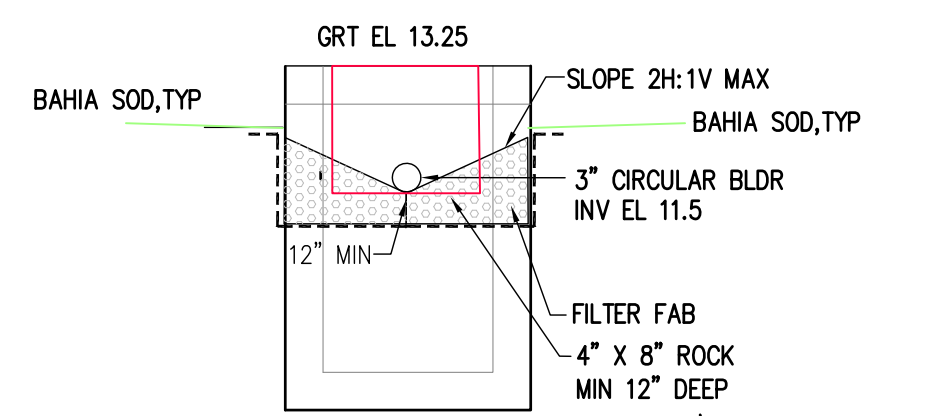
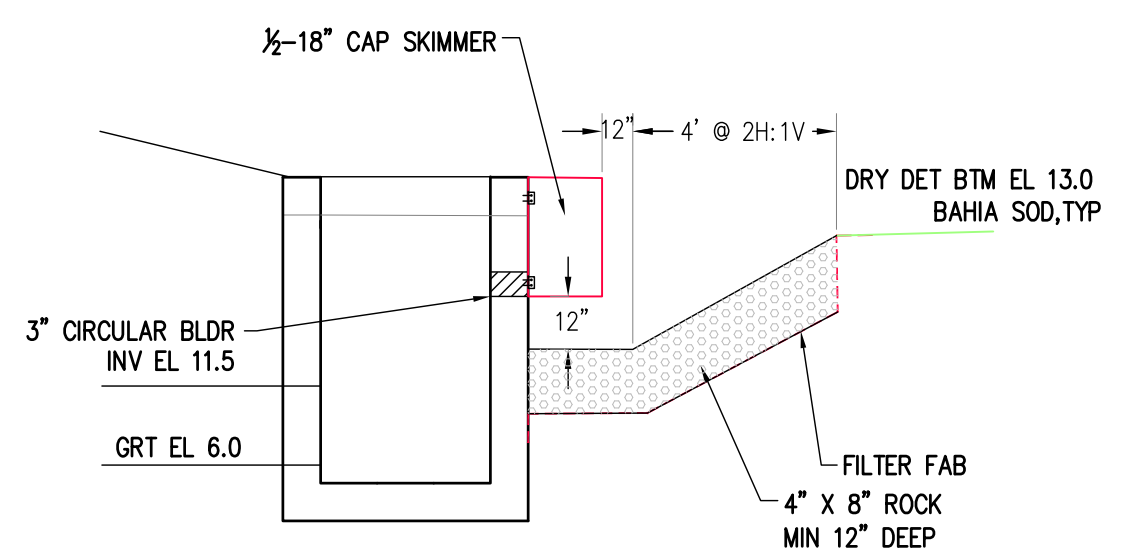


NOTES:  
 1. U.S.F. #230-AB-M MANHOLE RING & DOUBLE COVER.  
 APPROX. TOTAL WEIGHT 605 POUNDS.  
 2. MANHOLE COVER SHALL BE IMPRINTED WITH "STORM SEWER" AND WITH NOTE "CONFINED SPACE".  
 3. PAVED AREAS - SET FRAMES AT FINISH GRADE. UNPAVED AREAS - SET FRAMES AT FINISH GRADE + 0.15'.

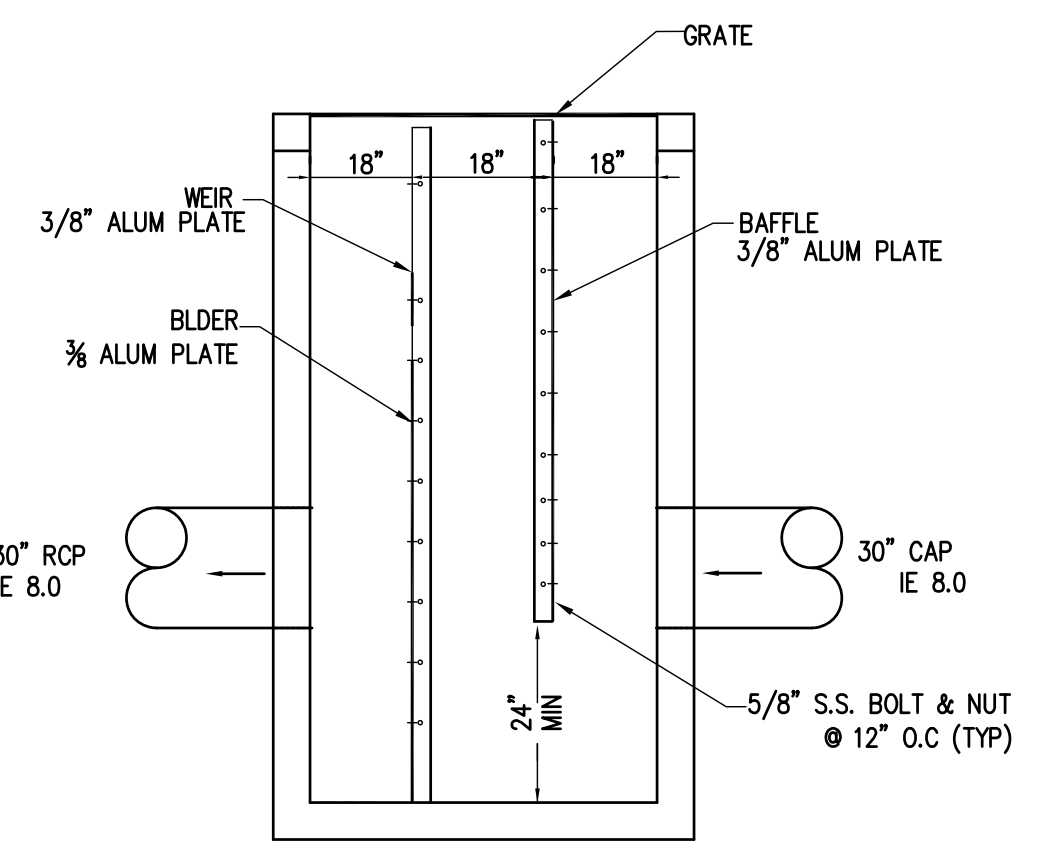
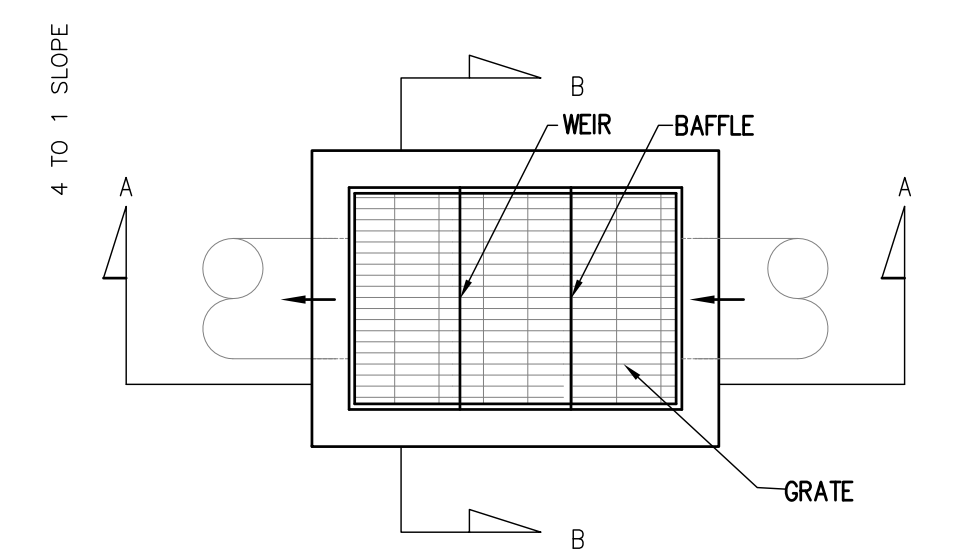
**MANHOLE FRAME AND RING DETAIL**



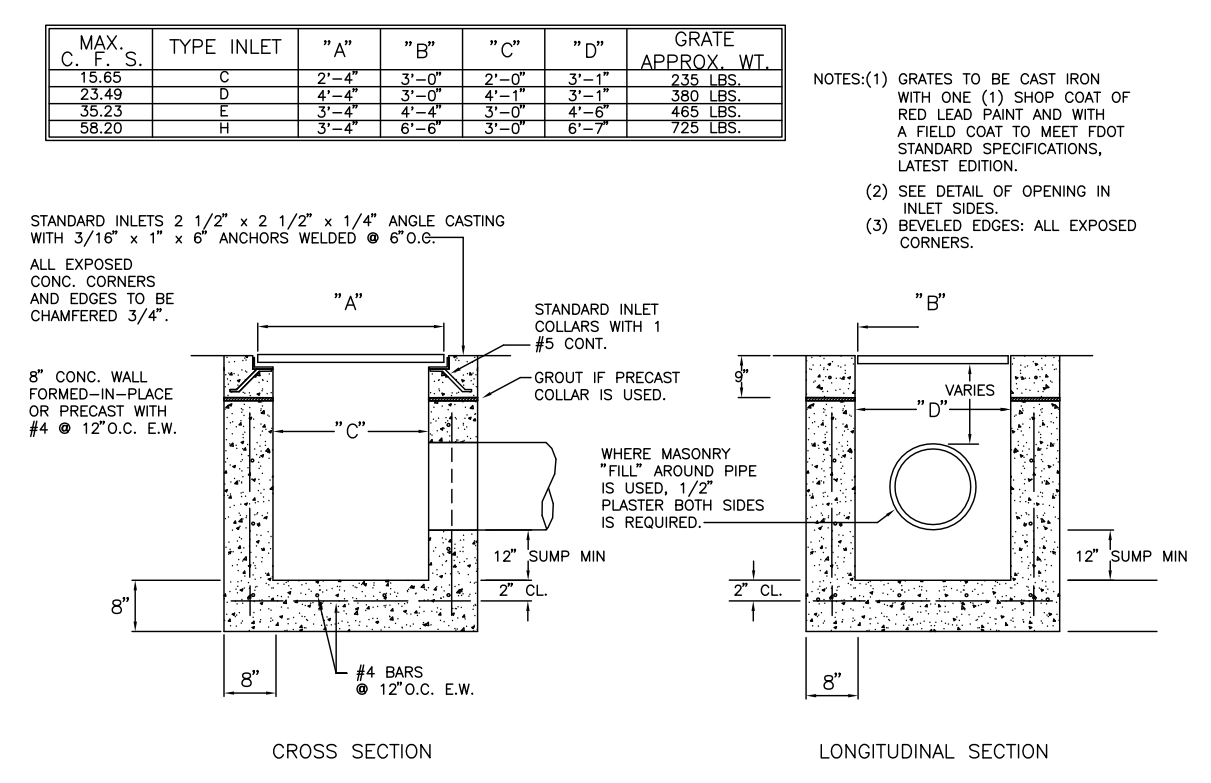
**FILTER FABRIC JACKET**



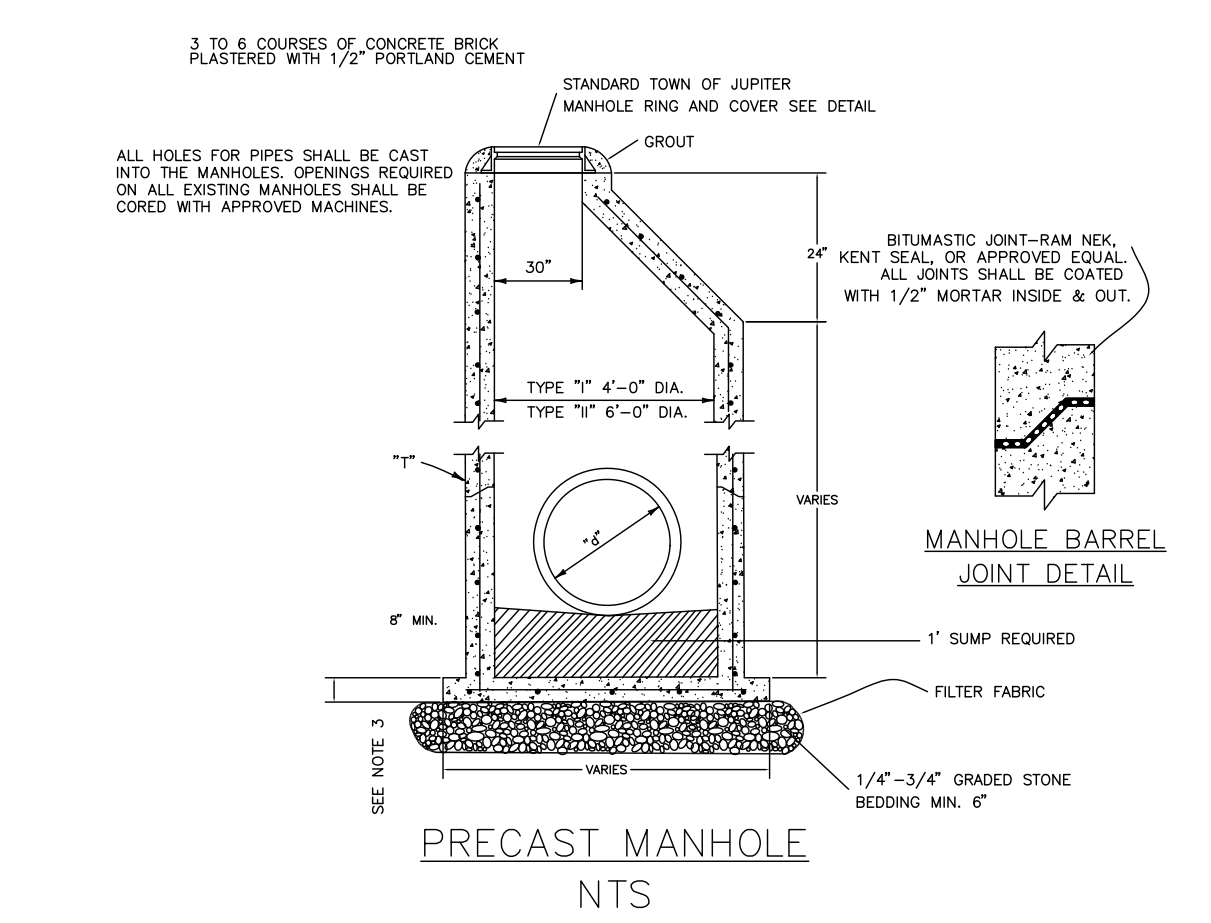
**CS-11 & 22 TYPE-H CONTROL STRUCTURE**



**CS-1 & 2 TYPE "E" CONTROL STRUCTURE**



**INLET DETAILS**



NOTES:  
 1. MANHOLE SHALL CONFORM TO ASTM C478 WITH 4000 PSI CONCRETE.  
 2. CONE SECTION MAY BE EITHER CONCENTRIC OR ECCENTRIC.  
 3. BASE SHALL BE A MINIMUM OF 6" AND PRECAST WITH BOTTOM SECTION.  
 4. ONE CASE #6 @ 12" CTRS. BOTH WAYS, IN CENTER 1/2 OF CONCRETE WALL.  
 5. COMPLETELY ANCHOR BETWEEN WELLS AND BOTTOM WALL WITH CLAY BRICK AND PORTLAND TYPE II CEMENT.  
 6. WALL THICKNESS SHALL BE 8" MINIMUM.  
 7. FOR ADDITIONAL INFORMATION AND CLARIFICATION CONCERNING MANHOLE AND INLET CONSTRUCTION DETAILS AND SPECIFICATIONS, REFER TO FOOT ROADWAY AND TRAFFIC DESIGN STANDARDS (STANDARD INDEX MANUAL) LATEST EDITION.

**STORM SEWER PRECAST MANHOLE**

REVISIONS

**Jeff H. Iravani, Inc.**  
 Consulting Engineers  
 1934 COMMERCE LANE, SUITE 5  
 JUPITER, FLORIDA 33458  
 TEL: (561) 575-6030  
 FAX: (561) 575-6088  
 EMAIL: JHI@Hinc.com  
 WEBSITE: www.Hinc.com

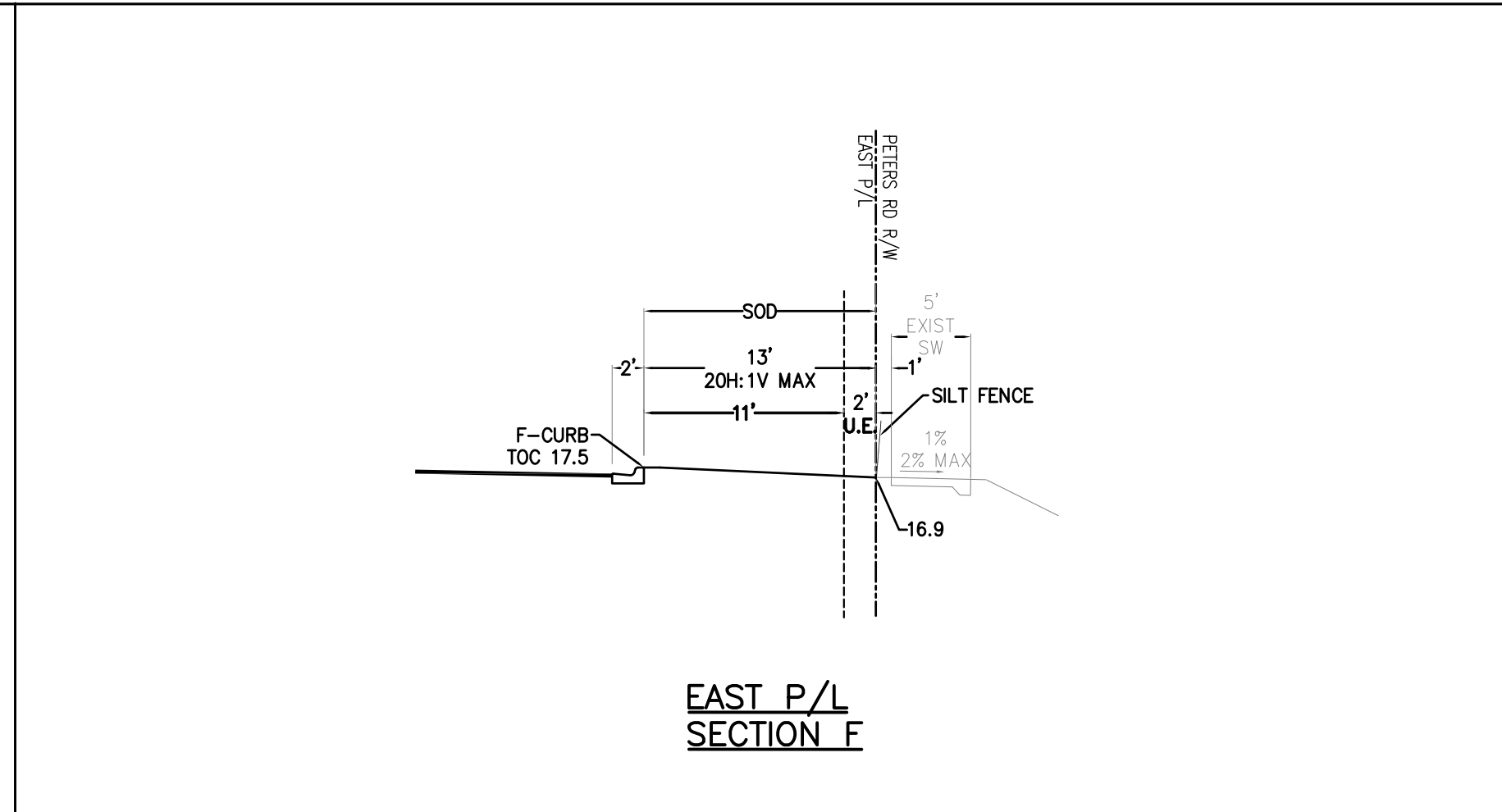
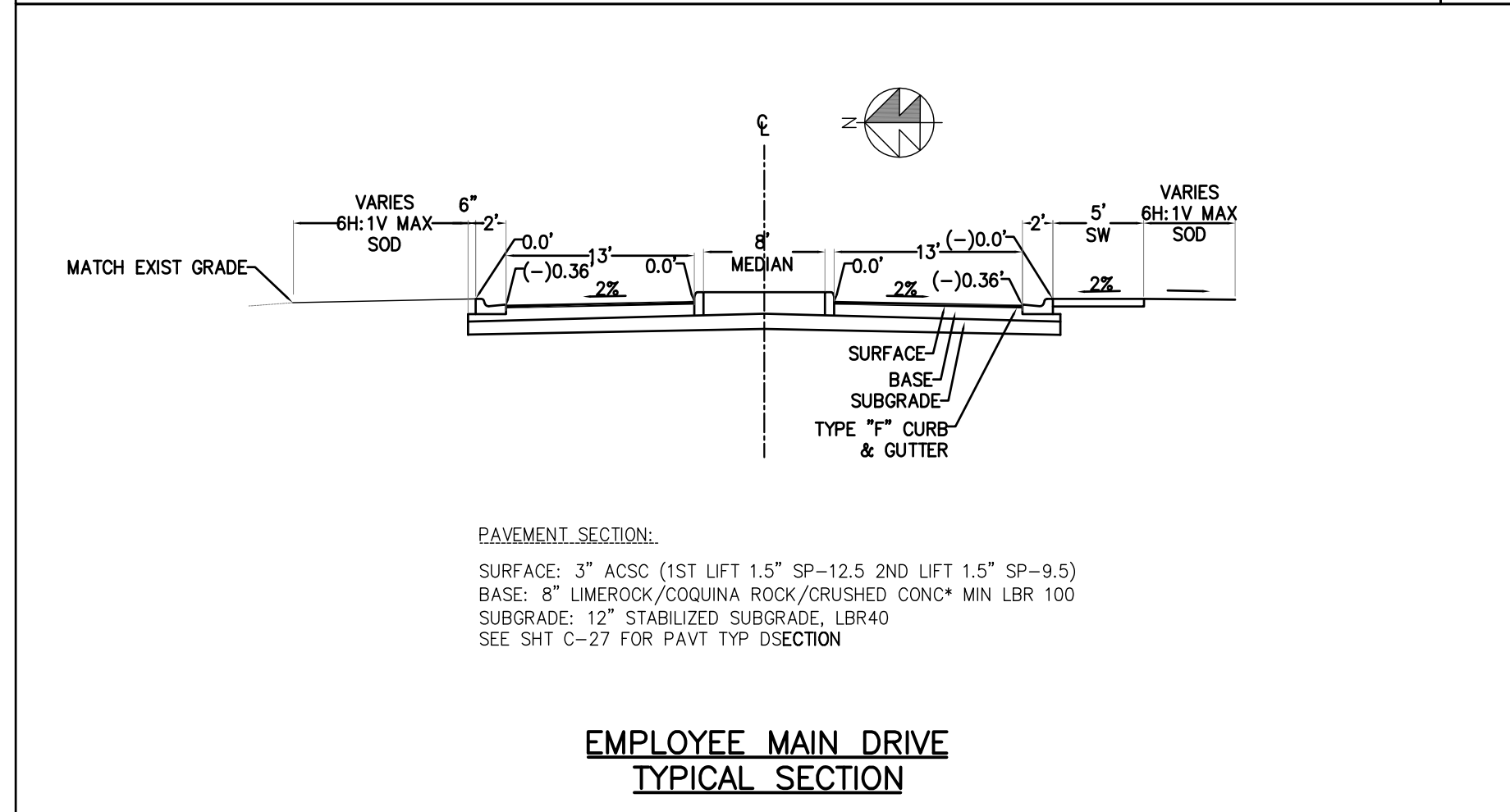
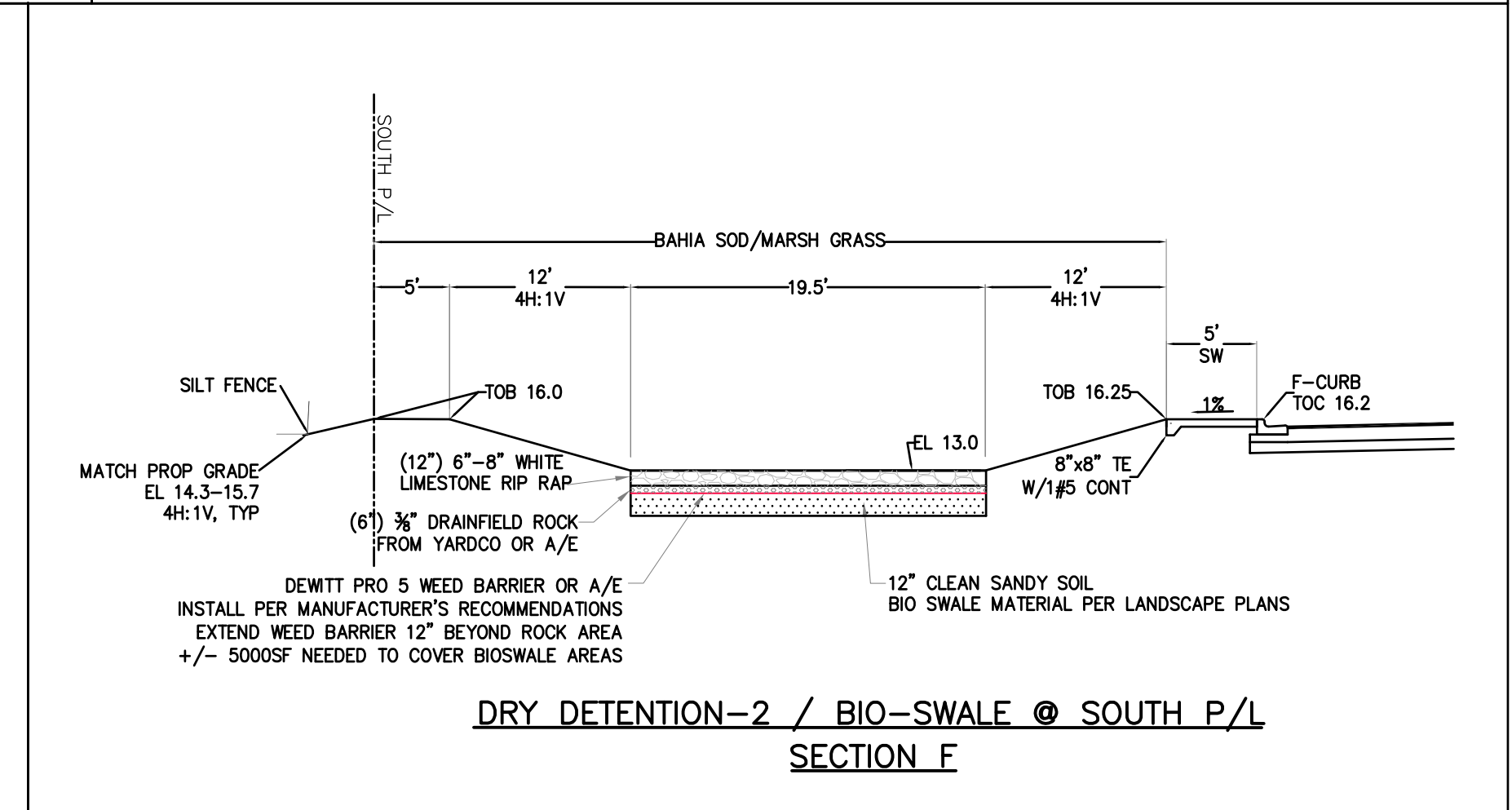
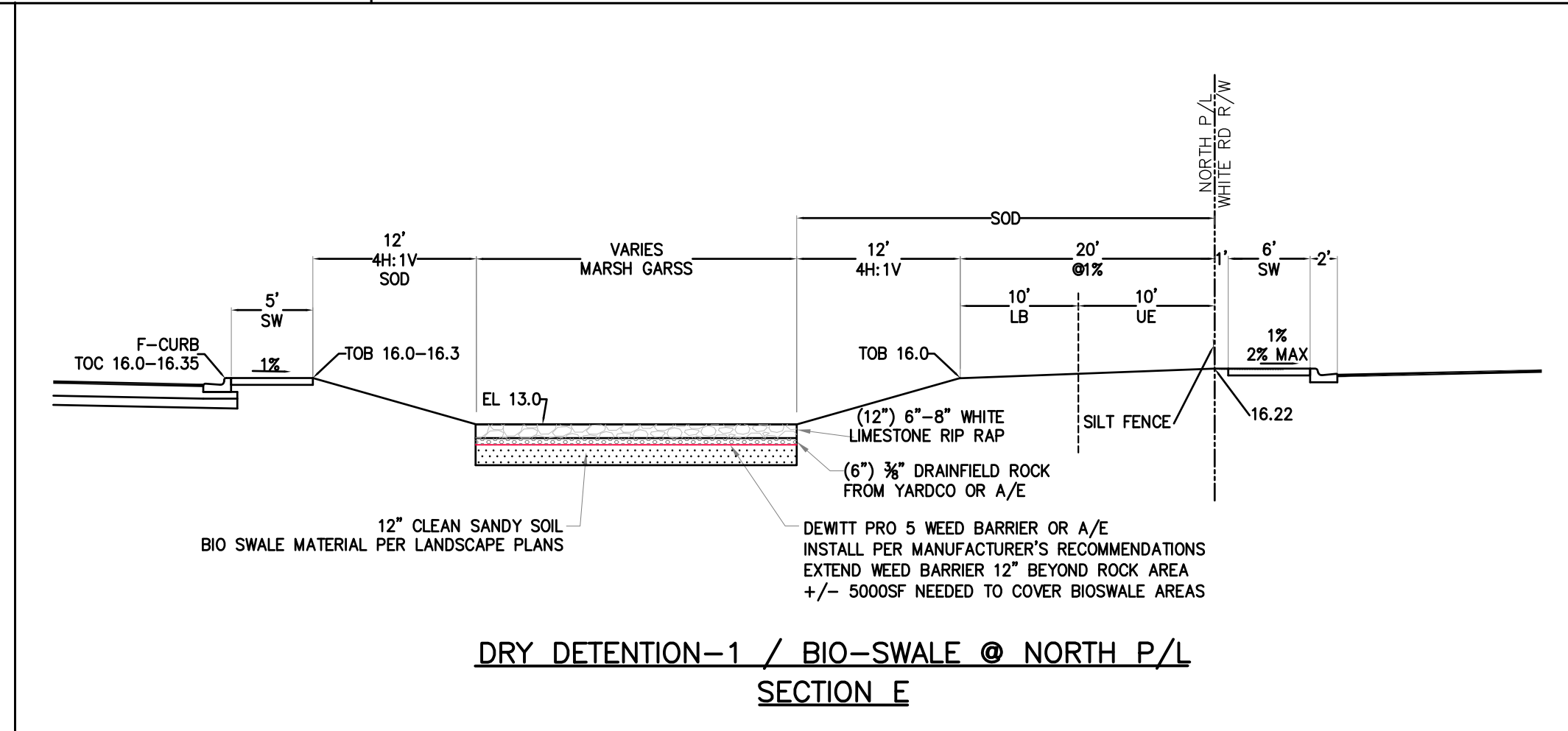
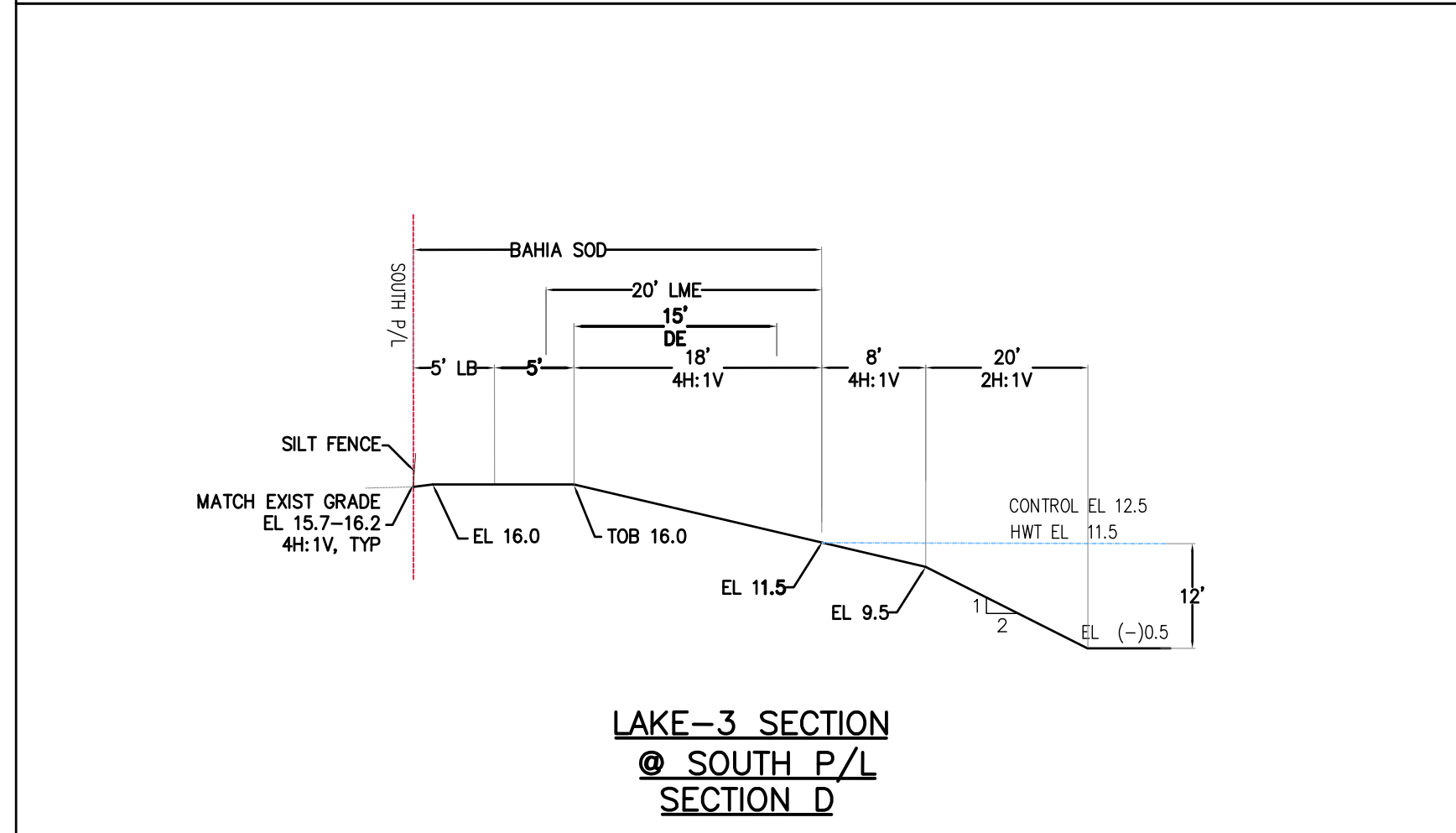
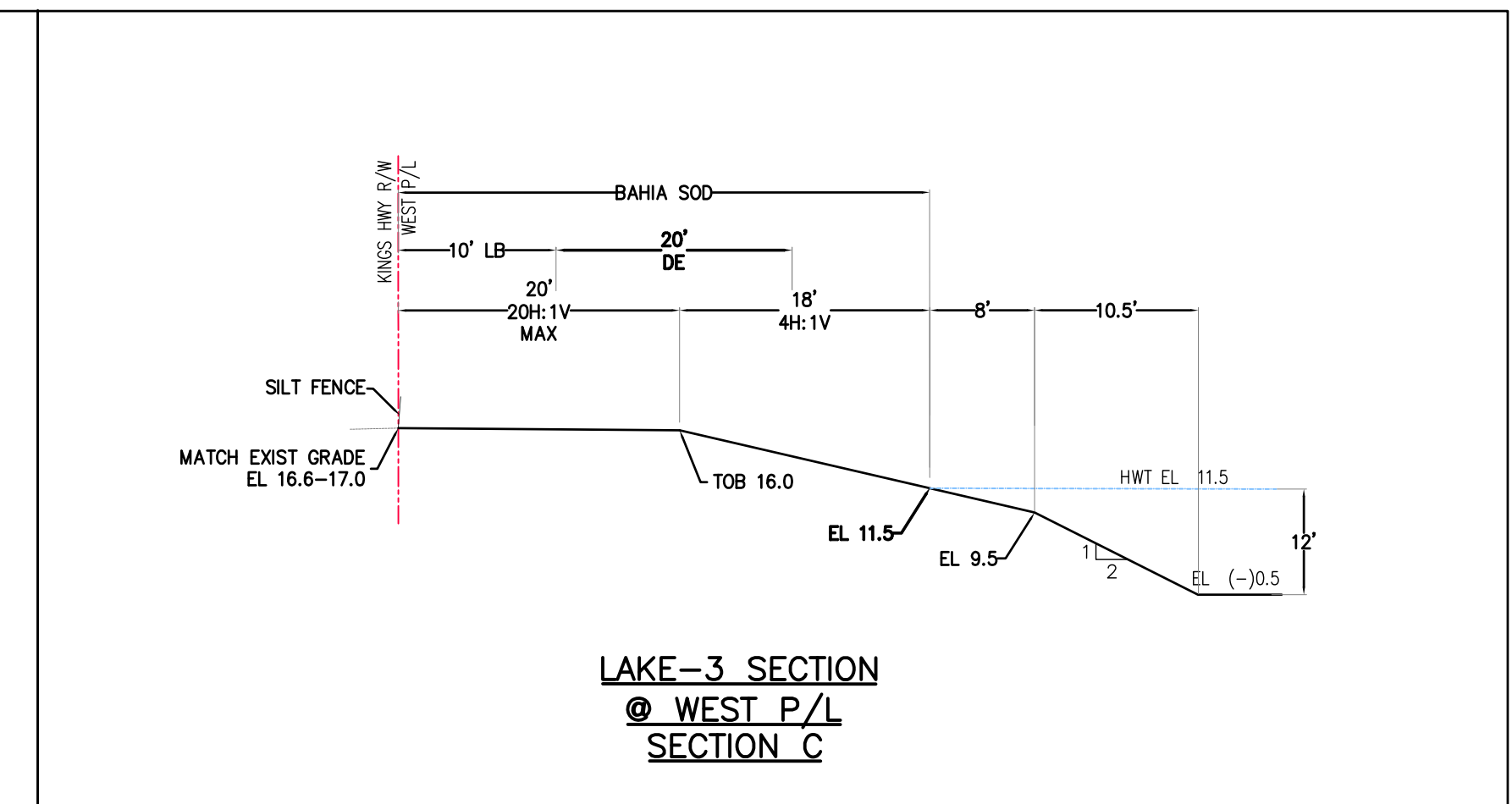
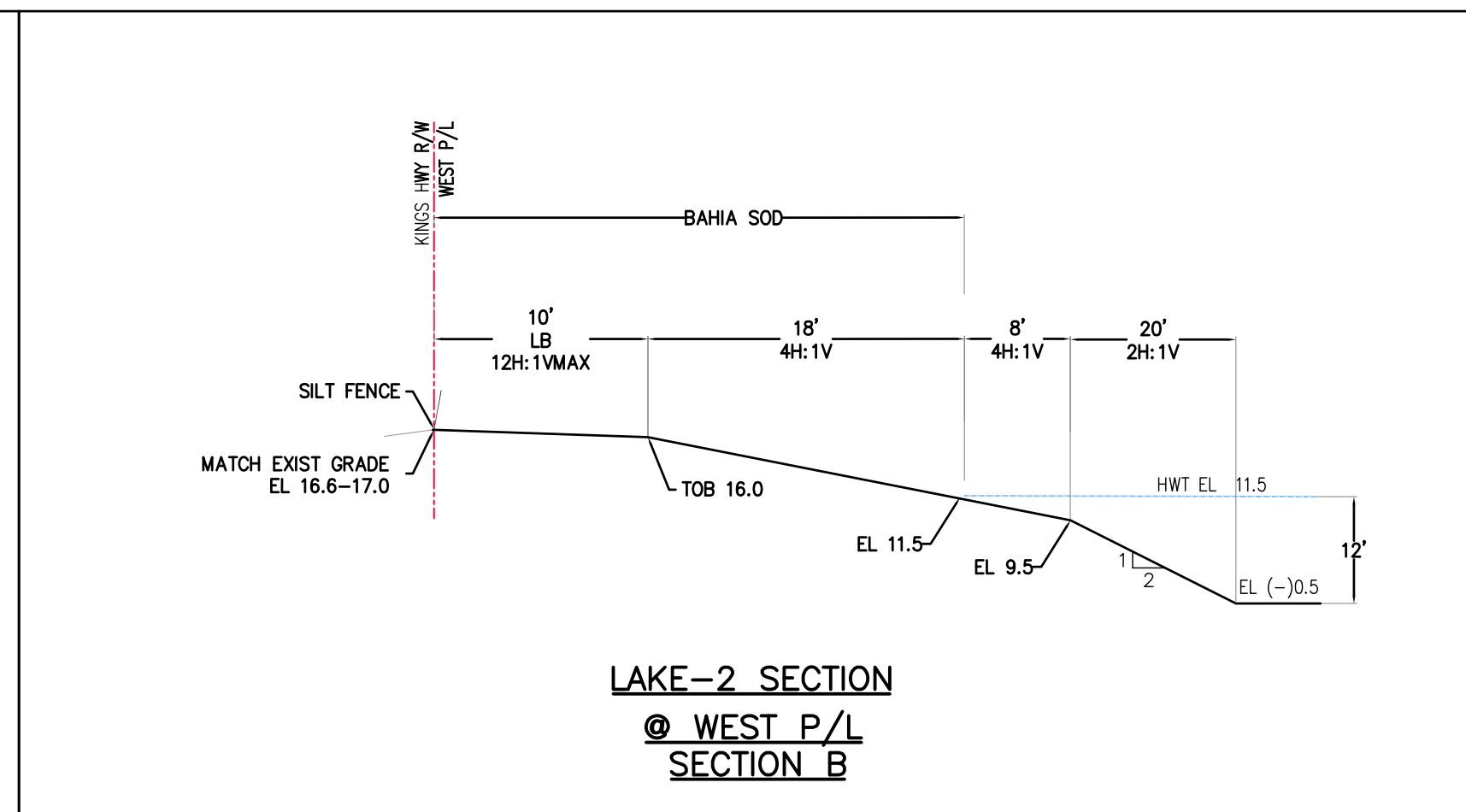
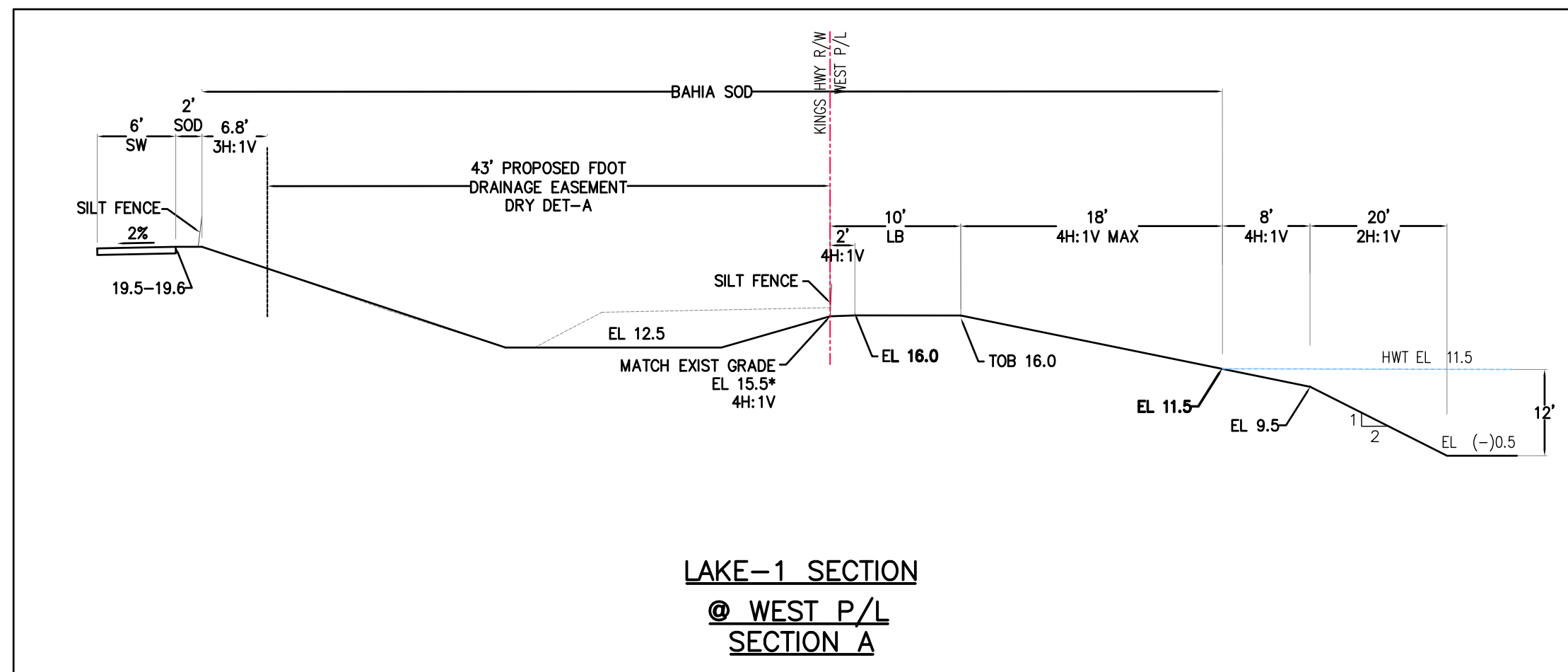
**Amazon One Grocery**  
 HFL1  
 Kings Highway Commerce Park  
 Parcel-III  
 Fort Pierce, Florida

DATE	SCALE	DESIGNED BY	DRAWN BY	JOB NO.
12/24/2025	NA	JHI	DDI	2509-1533

**PAVING, GRADING, & DRAINAGE DETAILS**

SEALED  
 CCA 6686  
 SHEET NO.  
 C-28





REVISIONS

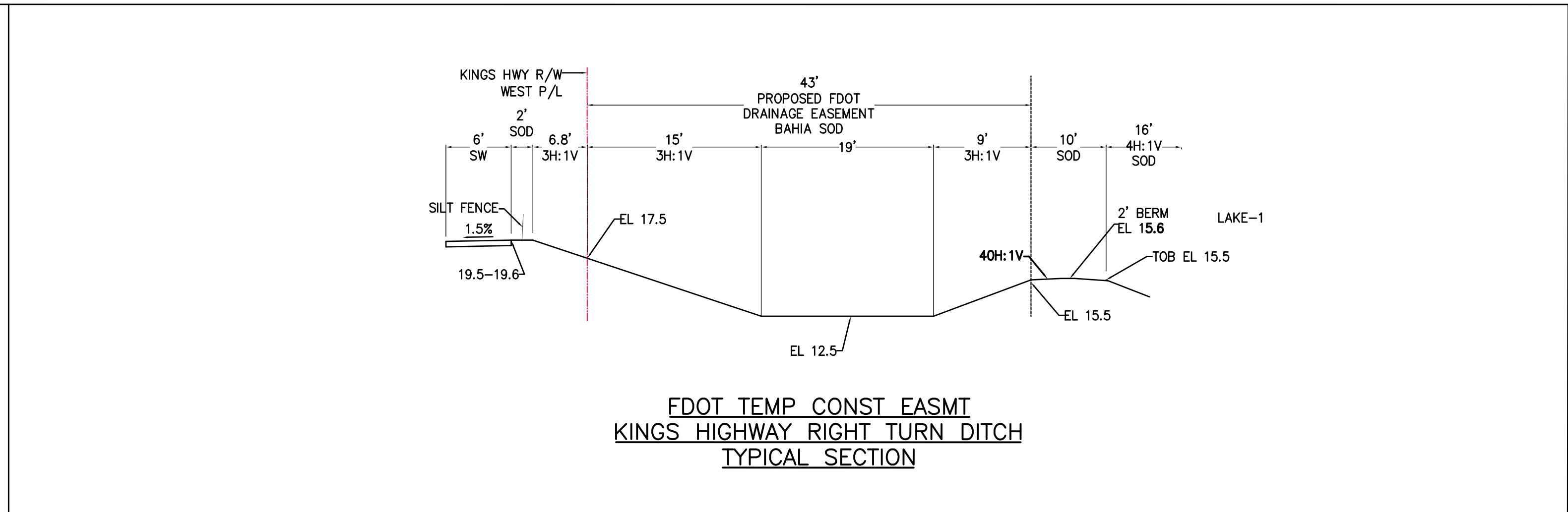
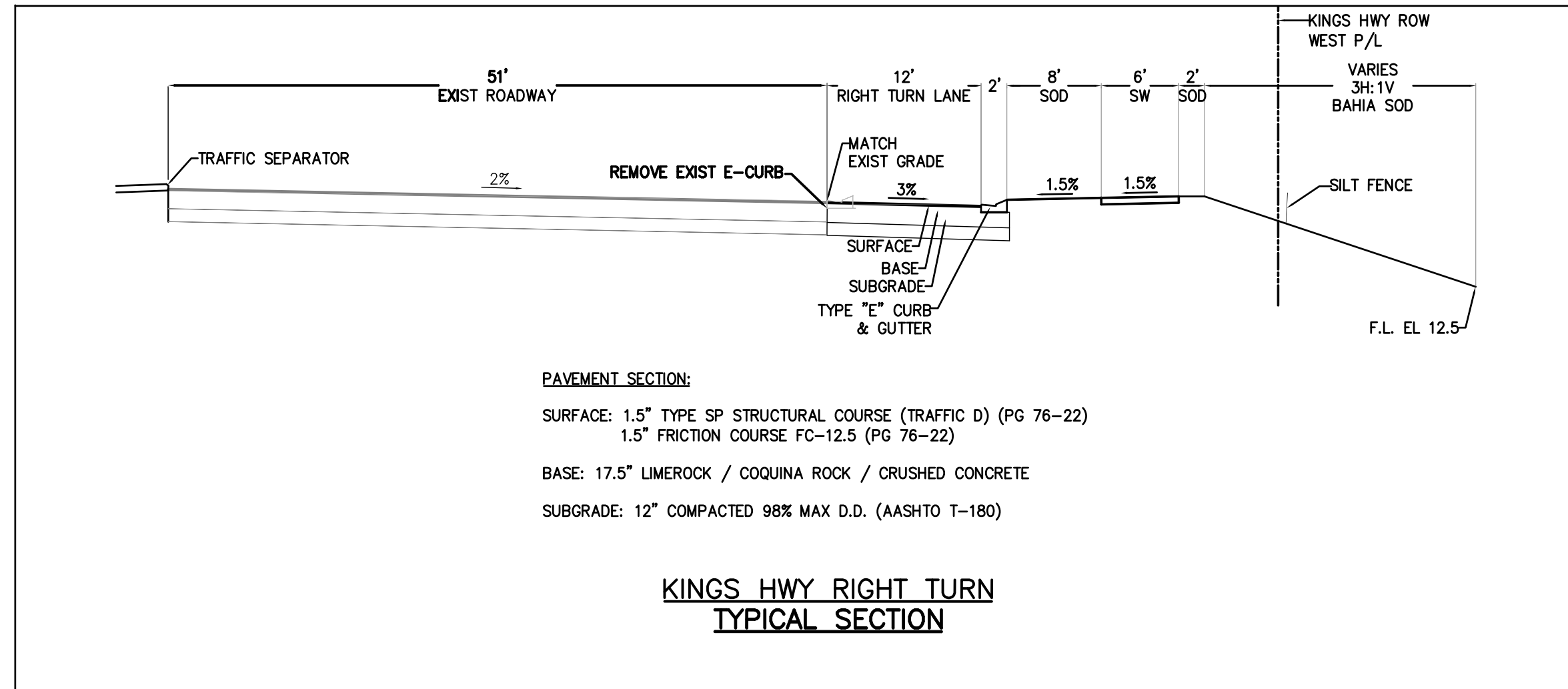
**Jeff H. Irvani, Inc.**  
Consulting Engineers  
1934 COMMERCE LANE, SUITE 5  
JUPITER, FLORIDA 33468  
TEL: (561) 575-6030  
FAX: (561) 575-6088  
WEBSITE: www.jhinc.com  
EMAIL: jh@jhsouth.net

**Amazon One Grocery**  
HFL1  
Kings Highway Commerce Park  
Parcel-III  
Fort Pierce, Florida

SECTIONS		DATE	SCALE	DESIGNED BY	DRAWN BY	JOB NO.
		12/24/2025	NA	JHI	DDI	2509-1533

SEAL

FR # 6986  
SHEET NO.  
C-30



- NOTES:  
 1. ALL SOD IN PUBLIC R/W SHALL BE BAHIA GRASS.  
 2. EVERY PIECE OF SOD IN THE ROADSIDE DITCH SHALL BE PINNED.  
 3. SOD HORIZONTAL ROWS SHALL BE STAGGERED SO THERE ARE NO RUNNING VERTICAL SEAMS ALONG THE ROADSIDE DITCH.  
 4. CONTRACTOR SHALL IRRIGATE ALL SOD FOR 30 DAYS MIN AFTER INSTALLATION/TILL GRASS HAS GROWN TO MIN 12".  
 5. CRUSHED CONC SHALL BE FROM FDOT CERTIFIED PIT W/ LBR 150.

REVISIONS

**Jeff H. Iravani, Inc.**  
 Consulting Engineers  
 1934 COMMERCE LANE, SUITE 5  
 JUPITER, FLORIDA 33458  
 TEL: (561) 575-6030  
 FAX: (561) 575-6088  
 EMAIL: jhi@jhiinc.com  
 WEBSITE: www.jhiinc.com

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 Kings Highway Commerce Park  
 Parcel-III  
 Fort Pierce, Florida

OFF-SITE SECTIONS			
DATE	SCALE	DESIGNED BY	JOB NO.
12/24/2025	NA	JHI	2509-1533
		DDI	

SEAL

FR # 6986  
 SHEET NO.  
 C-31



**FORT PIERCE UTILITIES AUTHORITY**  
WATER DISTRIBUTION NOTES

1. ALL CONSTRUCTION MATERIAL, INSTALLATION AND TESTING SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF THE FORT PIERCE UTILITIES AUTHORITY.
2. WATER MAINS WHERE SPECIFIED AS POLYVINYL CHLORIDE (PVC) SHALL CONFORM TO AWWA C-900 OR C-905, PRESSURE CLASS 150, DR (18). WATER MAINS WHERE SPECIFIED AS POLYETHYLENE (PE) SHALL CONFORM TO AWWA C-901 OR C-906, STANDARD CODE DESIGNATION RESORB, PIPE CLASS 200, DIMENSION RATIO (DR) 17 FOR DIRECT BURY, (DR) 11 FOR DIRECTIONAL BORING, AND (DR) 9 FOR 2 INCH AND SMALLER PIPELINES.
3. WATER MAIN, WHERE SPECIFIED AS DUCTILE IRON PIPE, SHALL CONFORM TO ANSI/AWWA C151/A21.51 AND SHALL BE PRESSURE CLASS 250 (MINIMUM).
4. POLYVINYL CHLORIDE WATER MAIN SHALL BE BLUE IN COLOR OR WHITE IN COLOR WITH BLUE STRIPES. THE USE OF IDENTIFICATION TAPE ATTACHED TO THE TOP OF THE PIPE MAY BE USED IN LIEU OF MARKING ON THE PIPE. ALSO DIP PIPE SHALL REQUIRE THE USE OF IDENTIFICATION TAPE AND THIN WIRE.
5. FITTINGS SHALL BE DUCTILE IRON CONFORMING TO ANSI/AWWA C-110/A21.10, CLASS 250 MIN., CEMENT LINER AND FACTORY COATED.
6. GATE VALVES SHALL BE MUELLER RESILIENT SEAT, KENNEDY KEN-SEAL, AMERICAN OR APPROVED EQUAL. VALVES SHALL CONFORM TO AWWA C-509.
7. WATER LINES SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH FPUA DESIGN AND CONSTRUCTION STANDARDS. THE CONTRACTOR SHALL SUBMIT CERTIFIED DENSITY TESTS AS REQUIRED BY FPUA ENGINEERING AND THE CITY, COUNTY, FOOT, IN CASES WHERE PAVED AREAS FALL WITHIN THE JURISDICTION OF LOCAL OR STATE AGENCIES. THE COMPACTION REQUIREMENTS SHALL NOT BE LESS THAN THE MINIMUM REQUIRED BY THE APPROPRIATE RESPONSIBLE AGENCY.
8. NO FIELD CHANGES OR DEVIATIONS FROM THE DESIGN SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE FPUA ENGINEER AND CITY/COUNTY/FOOT ENGINEER.
9. THE CONTRACTOR SHALL NOTIFY FPUA ENGINEERING AND CITY/COUNTY/FOOT ENGINEERING 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
10. A PRE-CONSTRUCTION CONFERENCE BETWEEN THE ENGINEER, THE CONTRACTOR, FPUA, AND CITY/ COUNTY/FOOT ENGINEER SHALL BE MANDATORY PRIOR TO COMMENCEMENT OF CONSTRUCTION.
11. TRAFFIC CONTROL, BARRICADES, ETC., SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS AND APPROVED BY THE CITY ENGINEER.
12. MINIMUM COVER SHALL BE 36 INCHES EXCEPT AS APPROVED BY THE UTILITIES ENGINEER AND CITY/ COUNTY/FOOT ENGINEER. PIPES WITH COVER LESS THAN 30 INCHES SHALL BE CONSTRUCTED OF DUCTILE IRON OR IN PVC CASING.
13. DISTURBED AREAS SHALL BE RESTORED IN CONFORMANCE WITH THE APPLICABLE GOVERNING AGENCY REQUIREMENTS.
14. EXISTING UTILITIES AND DRAINAGE SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION AND PROTECTED BY THE CONTRACTOR.
15. WATER MAINS SHALL BE TESTED AND DISINFECTED IN ACCORDANCE WITH THE APPLICABLE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND AWWA C-651 FOR DISINFECTION.

	WATER DISTRIBUTION		G-1 NOTES	
	DESIGNED BY: JLC	DATE: 2010	COMPUTER FILE #	SCALE: 20000:1

**FORT PIERCE UTILITIES AUTHORITY**  
WATER DISTRIBUTION NOTES  
CONTINUED

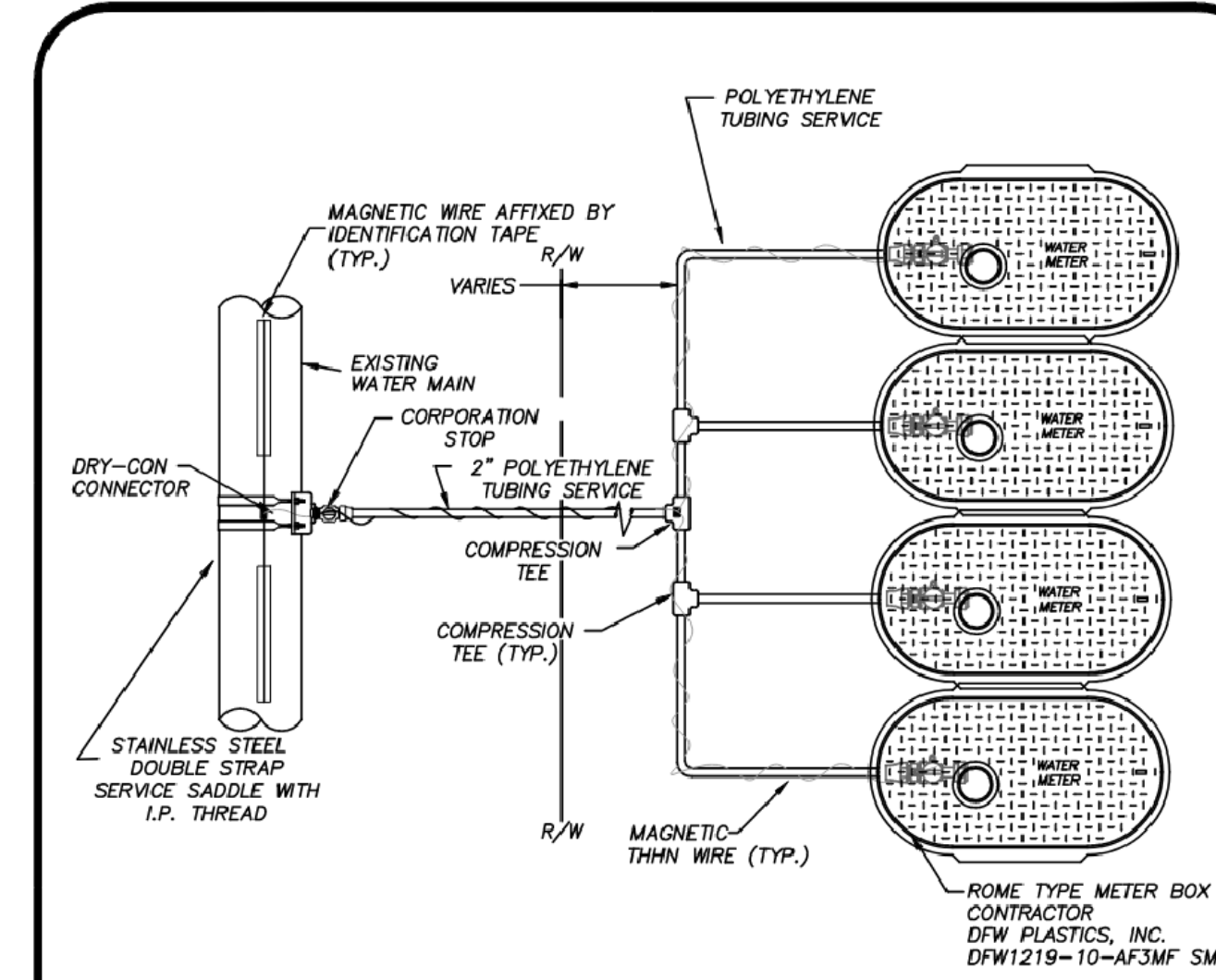
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EXISTING UTILITIES AND DRAINAGE.
  17. THE CONTRACTOR SHALL FURNISH RECORD DRAWING INFORMATION TO THE ENGINEER INCLUDING LOCATIONS OF VALVES, FITTINGS, SERVICE CONNECTIONS, BLOWOFFS, AIR RELEASE VALVES, AND ANY OTHER PERTINENT INFORMATION NECESSARY TO LOCATE ITEMS CONSTRUCTED UNDER THIS PROJECT, AS REQUIRED BY THE UTILITIES ENGINEER.
  18. THE CONTRACTOR SHALL TAP EXISTING LINES UNDER THE SUPERVISION OF THE FORT PIERCE UTILITIES AUTHORITY ONLY AFTER TESTING AND DISINFECTION HAS BEEN COMPLETED AND APPROVED ON THE TAPPING VALVE AND SLEEVE.
  19. WATER MAIN SHALL BE MARKED BY THE USE OF CONTINUOUS 10 GAUGE THIN MULTI STRANDED WIRE (BLUE IN COLOR) AND IDENTIFICATION TAPE WITH "WATER" MARKED ON TAPE, PERMANENTLY ATTACHED TO THE TOP OF THE WATER MAIN IN ACCORDANCE WITH THE FORT PIERCE UTILITIES AUTHORITY SPECIFICATIONS.
  20. SERVICE TAPS SHALL BE PLACED APPROXIMATELY TEN FEET AWAY FROM GATE VALVES, AS SHOWN, FOR TESTING, FOLLOWING TESTING AND STERILIZATION OF WATER LINE. CONTRACTOR SHALL PLACE A BRASS PLUG IN CORPORATION STOPS AND CURB STOPS SHALL BE REMOVED FROM TESTING LOCATIONS.
  21. MECHANICAL RESTRAINTS TO BE USED ON ALL FITTINGS AND PLACED IN ACCORDANCE WITH MANUFACTURER'S OR ENGINEER'S RECOMMENDATIONS (WHICHEVER IS MORE STRINGENT) AND FPUA REQUIREMENTS.
  22. ALL MAINS SHALL BE TESTED AT A MINIMUM OF 150 PSI. TESTING METHODS SHALL CONFORM TO AWWA C-600. - 2 HR MINIMUM TEST
- $$L = \frac{SD(P)}{148,000} \times \frac{1}{2}$$
- L = LEAKAGE IN GPH  
S = LENGTH OF PIPE IN FEET  
D = PIPE DIAMETER IN INCHES  
P = TESTING PRESSURE IN PSI
23. PRIOR TO ANY TESTING, ALL MAINS 6" IN DIA. AND LARGER SHALL HAVE A SWAB PASSED THRU THE ENTIRE LENGTH OF THE LINE. NOTES: SWAB SHOULD BE PLACED IN 1st JOINT OF NEW LINE. END OF MAIN SHOULD BE "TURNED UP" AT 45% AND EXTENDED SO THAT SWABING AND A FULL BORE FLUSH CAN BE ACCOMPLISHED. BLOW-OFF ASSEMBLY CAN THEN BE PLACED. WHERE LINES BRANCH, SWABS WILL BE PLACED IN BRANCH LINES AND SEQUENTIALLY SWABED AND FLUSHED.
  24. A MINIMUM SIX FEET AND PREFERABLY TEN FEET HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN THE WATER MAIN AND ANY WASTEWATER LINES. 6 INCHES MINIMUM VERTICAL SEPARATION IF WATER MAIN IS OVER WASTEWATER AND 12 INCHES IF WATER MAIN IS UNDER SHALL BE MAINTAINED BETWEEN THE WATER MAIN AND ANY WASTEWATER LINES. THE SEPARATION SHALL BE MEASURED FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE OR STRUCTURE. WHERE THIS MINIMUM SEPARATION CANNOT BE MAINTAINED, THE CROSSING SHALL BE ARRANGED SO THAT THE WASTEWATER PIPE JOINTS AND THE WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING, AND THE WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) AT THE CROSSING. SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10 FEET BETWEEN ANY TWO JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED. A MINIMUM VERTICAL CLEARANCE OF 6 INCHES MUST BE MAINTAINED AT ALL CROSSINGS.
  25. WHERE A WATER MAIN IS TO BE INSTALLED BELOW A STORM DRAIN PIPE, A MINIMUM OF 6 INCHES OF VERTICAL CLEARANCE BETWEEN PIPES SHALL BE CONSTRUCTED OF DIP AT THE CROSSING, AND SHALL BE MECHANICALLY RESTRAINED WITHIN 20 FEET OF THE CROSSING.
  26. CONTRACTOR SHALL COMPLY WITH FLORIDA TRENCH SAFETY ACT REQUIREMENTS.

	WATER DISTRIBUTION		G-1 NOTES	
	DESIGNED BY: JLC	DATE: 2010	COMPUTER FILE #	SCALE: 20000:1

**STANDARD SEPARATION STATEMENT FOR WATER / SEWER CONFLICTS**

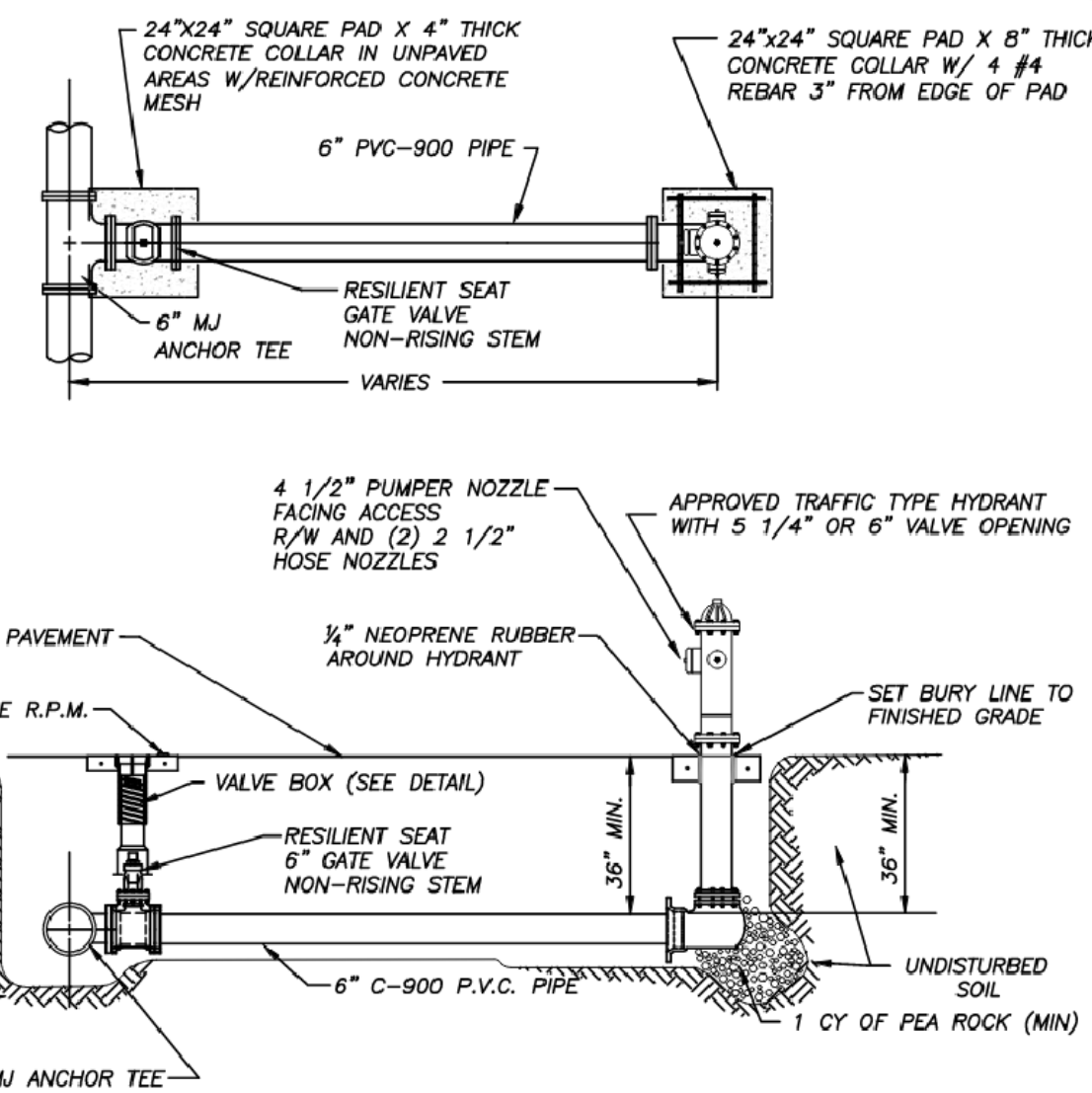
1. SANITARY SEWER, FORCE MAINS, AND STORM SEWERS SHOULD CROSS UNDER WATER MAINS WHENEVER POSSIBLE. SANITARY SEWERS, FORCE MAINS AND STORM SEWERS CROSSING UNDER WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 6 INCHES, PREFERABLY 12 INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE WHEN ABOVE, AND AT LEAST 12 INCHES OF SEPARATION WHEN THE WATER MAIN IS BELOW.
- WHERE SANITARY SEWER, FORCE MAINS, STORM SEWERS MUST CROSS A WATER MAIN WITH LESS THAN 6 INCHES VERTICAL SEPARATION, BOTH THE SEWER AND WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) CENTERED ON THE CROSSING. (DIP IS NOT REQUIRED FOR STORM SEWERS) SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10 FEET BETWEEN TWO JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED.
- ALL CROSSINGS SHALL BE ARRANGED SO THAT THE SEWER PIPE JOINTS AND WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING (PIPES CENTERED ON THE CROSSING). AT SUCH CROSSINGS PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.; AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- WHERE A NEW PIPE CONFLICTS WITH AN EXISTING PIPE WITH LESS THAN 6 INCHES VERTICAL CLEARANCE, THE NEW PIPE SHALL BE CONSTRUCTED OF DIP (EXCEPT STORM SEWERS) AND NEW PIPES SHALL BE ARRANGED TO MEET THE CROSSING REQUIREMENTS ABOVE.
2. A MINIMUM 3-FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ANY TYPE OF STORM SEWER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE.
- A MINIMUM 3-FOOT, AND PREFERABLE 10-FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN VACUUM TYPE SANITARY SEWER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE.
- A MINIMUM 10-FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE.
- A MINIMUM 6-FOOT, AND PREFERABLE 10-FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN GRAVITY OR PRESSURE TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE.
- IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A 10-FOOT HORIZONTAL SEPARATION, THE WATER MAIN MUST BE LAID IN A SEPARATE TRENCH OR ON A UNDERLINED GATE VALVE LOCATED ON ONE SIDE OF THE SEWER OR FORCE MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 6 INCHES ABOVE THE TOP OF THE SEWER.
- WHERE IT IS NOT POSSIBLE TO MAINTAIN A VERTICAL DISTANCE OF 6 INCHES IN PARALLEL INSTALLATIONS, THE WATER MAIN SHALL BE CONSTRUCTED OF DIP AND THE SEWER OR THE FORCE MAIN SHALL BE CONSTRUCTED OF DIP (EXCEPT STORM SEWER) WITH A MINIMUM VERTICAL DISTANCE OF 6 INCHES. THE WATER MAIN SHOULD ALWAYS BE ABOVE THE SEWER. JOINTS ON THE WATER MAIN SHALL BE LOCATED SIX FEET APART AS POSSIBLE FROM JOINTS ON THE SEWER OR FORCE MAIN (STACKED JOINTS).
3. ALL DIP SHALL BE PRESSURE CLASS 250 MIN., ADEQUATE PROTECTIVE MEASURES AGAINST CORROSION SHALL BE USED AS DETERMINED BY THE DESIGN ENGINEER.

	STANDARD SEPARATION STATEMENT FOR WATER/SEWER CONFLICT		G-3 WATER/SEWER CONFLICT	
	DESIGNED BY: JLC	DATE: 2010	COMPUTER FILE #	SCALE: 20000:1



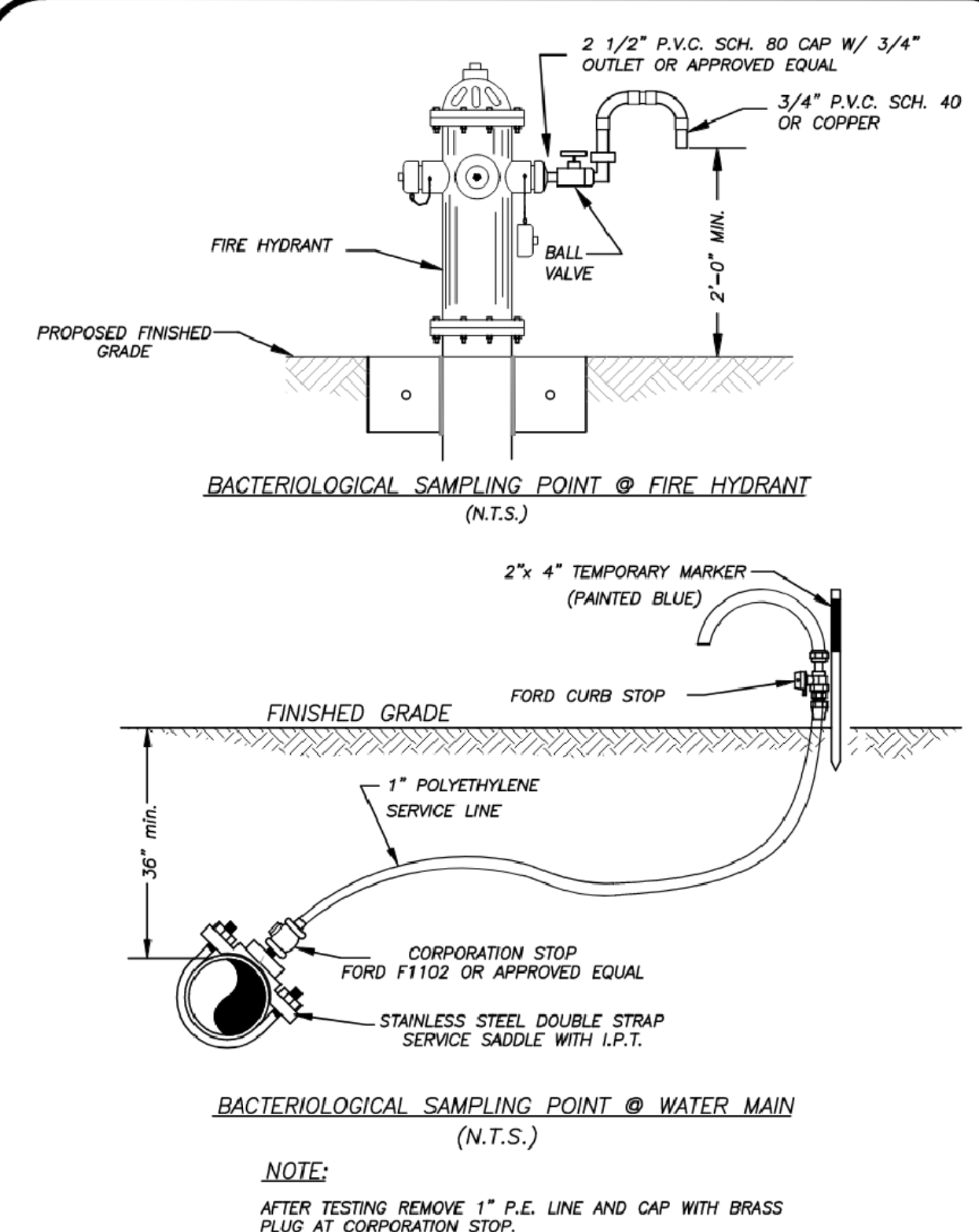
- NOTES:**
1. BLUE 10 GAUGE THIN WIRE SHALL BE ATTACHED TO THE SERVICE LINE AND RAN TO OUTER METERS ONLY.
  2. WHERE SERVICES UNDER PAVEMENT ARE REQUIRED, THE POLYETHYLENE TUBING SHALL BE INSTALLED WITHIN SCHEDULE 40 PVC CASING PIPE.
  3. ALL METER SIZES SHALL REQUIRE LOCKABLE METER VALVE. (CURB STOP)
  4. MINIMUM COVER IN UNPAVED AREAS SHALL BE 30"; IN PAVED AREAS OR PLANNED ROADWAYS OR SVALES MIN. COVER SHALL BE 36".
  5. POLY SERVICE LINE SHALL VARY IN SIZE PER COMMERCIAL USE.
  6. F.P.U.A. SHALL REMOVE METER BOXES AND INSTALL STAND PIPES AT THE TIME OF CONNECTION.

	TYPICAL MULTIPLE WATER SERVICE CONNECTION (COMMERCIAL)		W-4A	
	DESIGNED BY: JLC	DATE: 2010	COMPUTER FILE #	SCALE: 20000:1

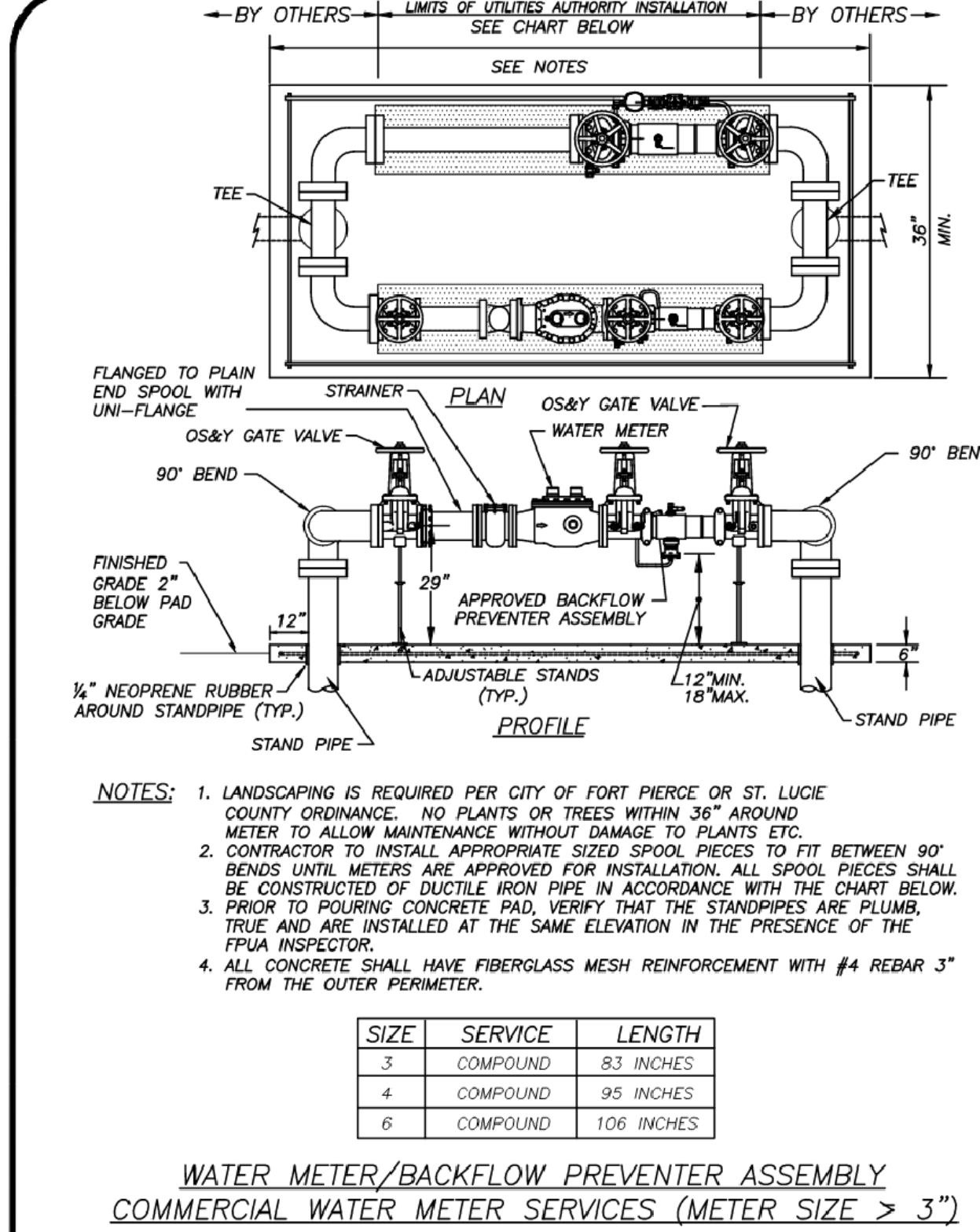


- NOTES:**
1. HYDRANT SHALL BE INSTALLED PLUMB & TRUE.
  2. HYDRANT SHALL BE PAINTED CARNIVAL RED FROM FACTORY.
  3. HEEL TO REST IN UNDISTURBED SOIL.
  4. THE ONLY HYDRANTS ACCEPTABLE ARE: MUELLER SUPER CENTURION 250 OR AMERICAN DARLING 6-84-9-S.
  5. HYDRANT ASSEMBLY MUST BE RESTRAINED TO TEE.
  6. ALL FITTINGS SHALL BE MECHANICAL JOINT.
  7. ENTIRE ASSEMBLY TO BE MECHANICALLY RESTRAINED.
  8. BLUE LOCATOR SHALL BE PLACED IN CENTER OF TRAVEL LANE CLOSEST TO HYDRANT.
  9. ALL HYDRANT VALVE BOX COVERS SHALL BE PAINTED CARNIVAL RED.
  10. LOCATE WIRE SHALL TERMINATE AT HYDRANT ISOLATION VALVE.
  11. HYDRANTS SHALL BE NO MORE THAN FIFTEEN FEET (15 FT.) FROM THE CURB OF ROADWAYS OR FROM THE EDGE OF PAVEMENT. CLEARANCES OF SEVEN AND ONE HALF FEET (7'-6") IN FRONT OF AND TO THE SIDES OF THE FIRE HYDRANTS, WITH FOUR FOOT (4 FT.) CLEARANCE TO THE REAR OF HYDRANTS SHALL BE MAINTAINED.

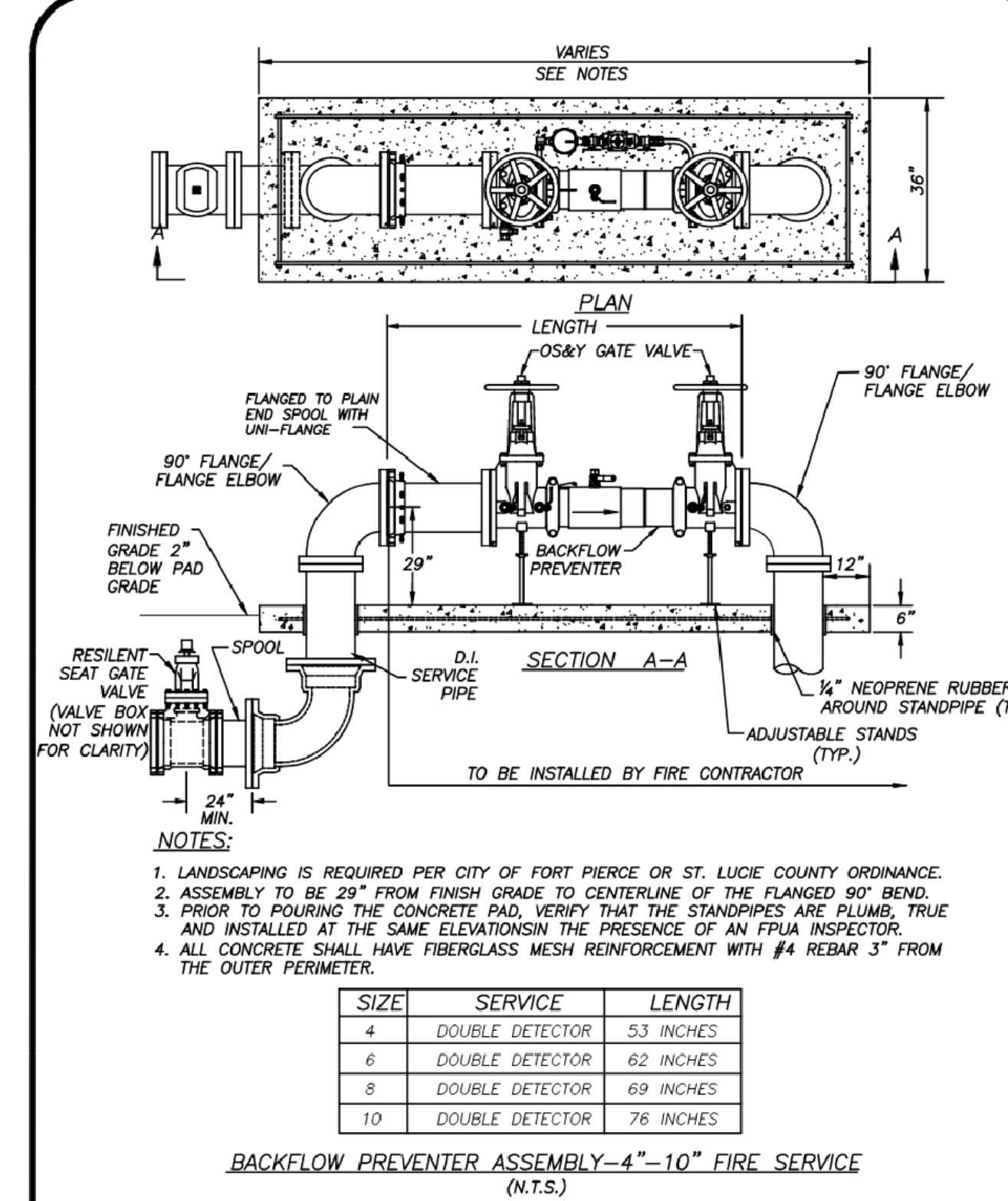
	TYPICAL FIRE HYDRANT ASSEMBLY		W-5	
	DESIGNED BY: JLC	DATE: 2010	COMPUTER FILE #	SCALE: 20000:1



	BACTERIOLOGICAL SAMPLING POINT DETAIL		W-6	
	DESIGNED BY: JLC	DATE: 2010	COMPUTER FILE #	SCALE: 20000:1



	WATER METER/BACKFLOW PREVENTER DOMESTIC SERVICE (METER SIZE > 3")		W-9	
	DESIGNED BY: JLC	DATE: 2010	COMPUTER FILE #	SCALE: 20000:1



	BACKFLOW PREVENTER ASSEMBLY 4-10\"/>		W-10	
	DESIGNED BY: JLC	DATE: 2010	COMPUTER FILE #	SCALE: 20000:1

REVISIONS

**Jeff H. Irvani, Inc.**  
Consulting Engineers  
1934 COMMERCE LANE, SUITE 5  
JUPITER, FLORIDA 33458  
TEL: (561) 575-6030  
FAX: (561) 575-6088  
WEBSITE: www.jhinc.com  
EMAIL: jhif@jhinc.com

**Amazon One Grocery**  
HFL1  
Kings Highway Commerce Park  
Parcel-III  
Fort Pierce, Florida

WATER DETAILS	DESIGNED BY:	JHI	DATE:	12/24/2025
	DRAWN BY:	DDI	SCALE:	NA
JOB NO.:	2509-1533			

SEAL  
SHEET NO.  
C-33

**FORT PIERCE UTILITIES AUTHORITY WASTEWATER CONSTRUCTION NOTES**

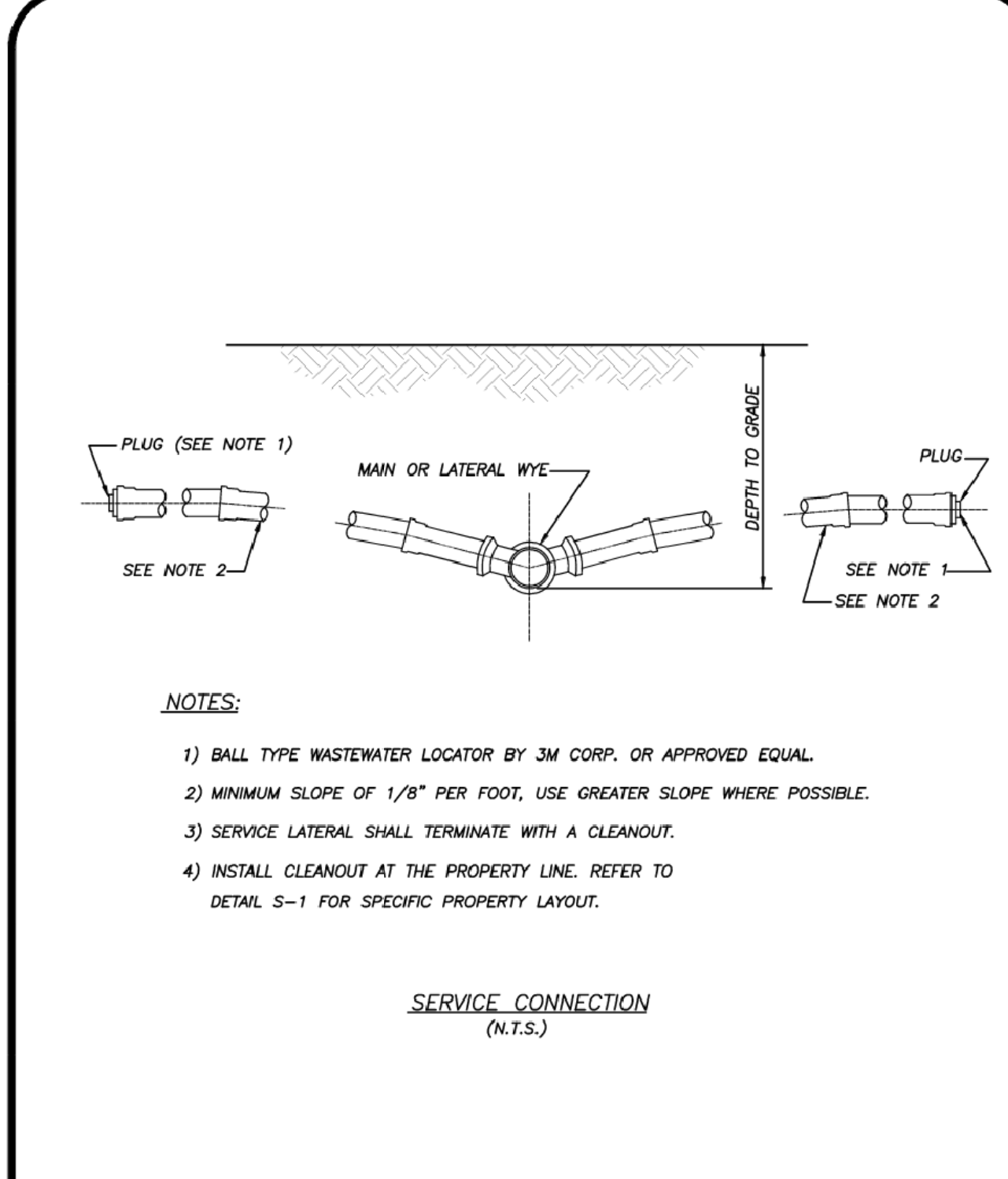
- ALL CONSTRUCTION MATERIAL, INSTALLATION AND TESTING SHALL CONFORM TO THE STANDARD SPECIFICATIONS OF THE FORT PIERCE UTILITIES AUTHORITY.
- GRAVITY SEWER MAIN SHALL BE POLYVINYL CHLORIDE 80N-26, GREEN OR WHITE IN COLOR. GRAVITY SEWER MAIN SHALL HAVE LOCATOR TAPE WITH "SEWER" MARKED ON TAPE AND SHALL CONFORM TO ASTM D-3034.
- THE MANHOLE BASE SHALL BE SET ON A FIRM, DRY AND STABLE OR COMPACTED BASE FOUNDATION. IF NECESSARY, THE CONTRACTOR SHALL UTILIZE ROCK TO PROVIDE A FIRM AND SUITABLE MANHOLE BASE FOUNDATION.
- WASTEWATER LINES SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH FPUA DESIGN AND CONSTRUCTION STANDARDS. THE CONTRACTOR SHALL SUBMIT CERTIFIED DENSITY TESTS AS REQUIRED BY FPUA ENGINEERING AND THE CITY ENGINEERING DEPARTMENT. IN CASES WHERE PAVED AREAS FALL WITHIN THE JURISDICTION OF LOCAL OR STATE AGENCIES, THE COMPACTION REQUIREMENTS SHALL NOT BE LESS THAN THE MINIMUM REQUIRED BY THE APPROPRIATE RESPONSIBLE AGENCY.
- A 1% MINIMUM SLOPE SHALL BE MAINTAINED ON ALL SANITARY SERVICE LATERALS.
- THE CONTRACTOR SHALL FURNISH RECORD DRAWING INFORMATION TO THE ENGINEER CONSISTING OF PIPE SIZES, LOCATION OF SERVICE TEE WYES, DIAMETER OF SERVICES, LOCATION OF ANY FITTINGS, FINAL RIM AND INVERT ELEVATION OF ALL MANHOLES AND ANY OTHER PERTINENT INFORMATION NECESSARY TO LOCATE ITEMS CONSTRUCTED UNDER THIS PROJECT.
- MAINTAIN SIX FEET AND PREFERABLY 10 FEET HORIZONTAL DISTANCE BETWEEN WATER MAINS AND SEWER MAINS AS A MINIMUM.
- WASTEWATER FORCE MAINS, WASTEWATER COLLECTION LINES, AND STORM SEWERS SHOULD CROSS UNDER WATER MAINS WHENEVER POSSIBLE. A MINIMUM VERTICAL DISTANCE OF 12 INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE SHALL BE PROVIDED WHENEVER POSSIBLE. WHERE THIS MINIMUM SEPARATION CANNOT BE MAINTAINED, THE CROSSING SHALL BE ARRANGED SO THAT THE WASTEWATER PIPE JOINTS AND THE WATER PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING, AND THE WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) AT THE CROSSING. SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10 FEET BETWEEN ANY TWO JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED. A MINIMUM VERTICAL CLEARANCE OF 6 INCHES MUST BE MAINTAINED AT ALL CROSSINGS.
- A PRE-CONSTRUCTION CONFERENCE BETWEEN THE ENGINEER, THE CONTRACTOR, AND FPUA/CITY COUNTY/FOOT SHALL BE MANDATORY PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- NO FIELD CHANGES OR DEVIATIONS FROM THE DESIGN SHALL BE MADE WITHOUT PRIOR APPROVAL FROM FPUA/CITY COUNTY/FOOT ENGINEER.
- TRAFFIC CONTROL, BARRICADES, ETC. SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS.
- CONTRACTOR SHALL NOTIFY FORT PIERCE UTILITIES AUTHORITY 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
- WASTEWATER FORCE MAIN SHALL BE POLYVINYL CHLORIDE CONFORMING TO AWWA C-900, AND SHALL BE CLASS 150, DR-18.
- WASTEWATER FORCE MAIN SHALL BE GREEN IN COLOR.
- FITTINGS SHALL BE DUCTILE IRON, CONFORMING TO ANSI/AWWA C-110/A21.10 CLASS 250 MIN. AND INTERIOR EPOXY COATED.
- WASTEWATER FORCE MAIN SHALL BE MARKED BY THE USE OF CONTINUOUS 10 GAUGE THIN WIRE (GREEN IN COLOR) PERMANENTLY ATTACHED TO THE TOP OF THE FORCE MAIN WITH LOCATOR TAPE MARKED "SEWER" ON TAPE IN ACCORDANCE WITH FPUA SPECIFICATIONS.
- MINIMUM COVER SHALL BE 36 INCHES. PIPES WITH COVER LESS THAN 10 INCHES SHALL REQUIRE PRIOR APPROVAL OF THE UTILITIES ENGINEER AND SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE.
- EACH SERVICE LATERAL WILL BE MARKED WITH A LOCATOR BALL AS MANUFACTURED BY 3M CORPORATION OR APPROVED EQUAL AS REQUIRED BY FPUA ENGINEER.
- ALL MANHOLES SHALL HAVE SEWER RAIN GUARDS INSTALLED AS REQUIRED BY FPUA ENGINEER. THE CONTRACTOR SHALL COMPLY WITH THE FLORIDA TRENCH SAFETY ACT REQUIREMENTS.

WASTEWATER CONSTRUCTION NOTES		G-2	
FPUA REQUIREMENTS		CONSTRUCTION NOTES	
DESIGNED BY: JAC	REVISION: 2019	DATE: 2019	BY: JAC
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APPROVED BY: JAC	DATE: 2019	SHEET: 1	OF: 1

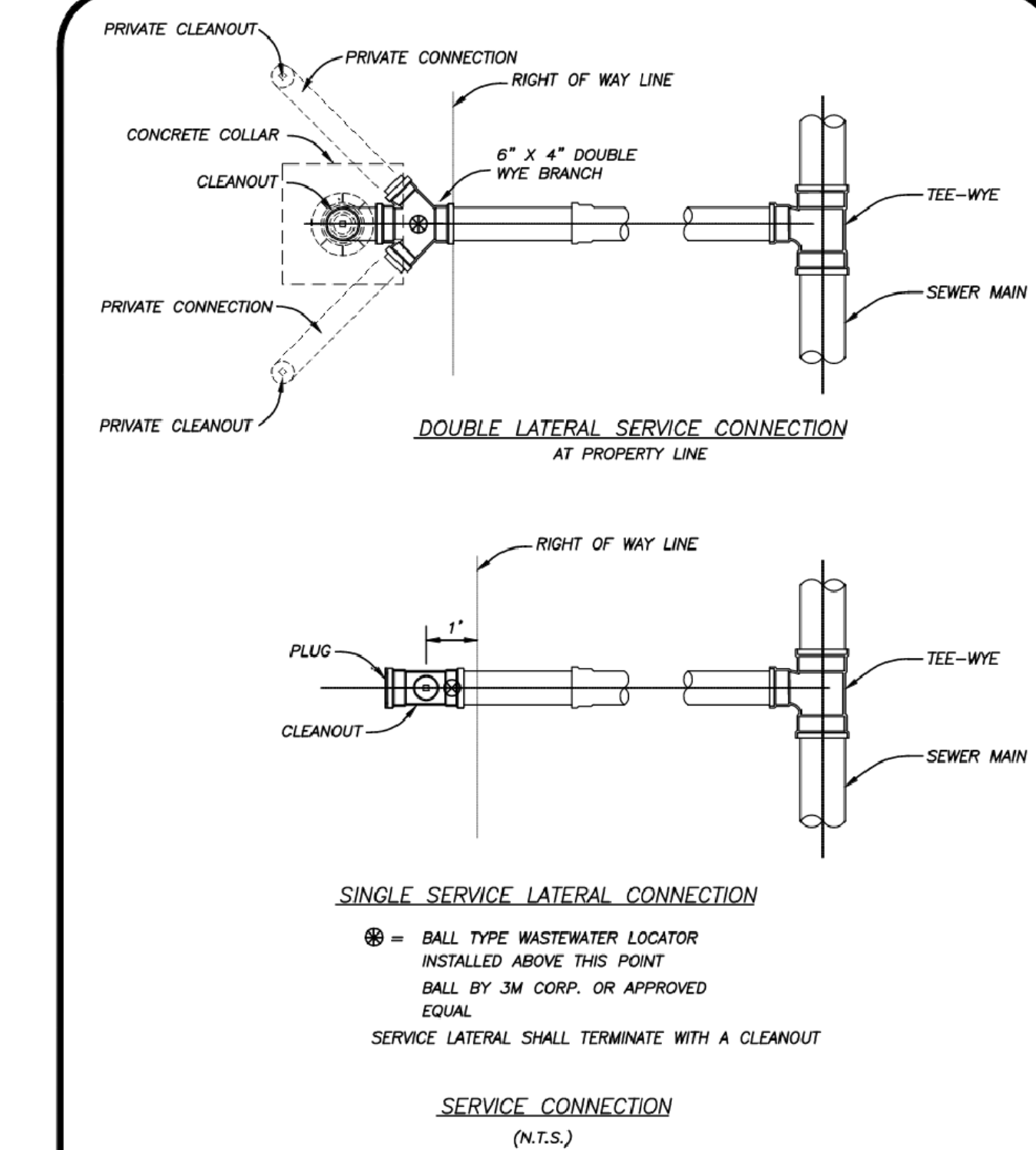
**STANDARD SEPARATION STATEMENT FOR WATER / SEWER CONFLICTS**

- SANITARY SEWER, FORCE MAINS, AND STORM SEWERS SHOULD CROSS UNDER WATER MAINS WHENEVER POSSIBLE. SANITARY SEWERS, FORCE MAINS AND STORM SEWERS CROSSING UNDER WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 6 INCHES, PREFERABLY 12 INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE WHEN ABOVE, AND AT LEAST 12 INCHES OF SEPARATION WHEN THE WATER MAIN IS BELOW.
- WHERE SANITARY SEWER, FORCE MAINS, STORM SEWERS MUST CROSS A WATER MAIN WITH LESS THAN 6 INCHES VERTICAL SEPARATION, BOTH THE SEWER AND WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) CENTERED ON THE CROSSING. (DIP IS NOT REQUIRED FOR STORM SEWERS.) SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10 FEET BETWEEN TWO JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALLY RESTRAINED.
- ALL CROSSINGS SHALL BE ARRANGED SO THAT THE SEWER PIPE JOINTS AND WATER MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING (PIPES CENTERED ON THE CROSSING). AT SUCH CROSSINGS PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- WHERE A NEW PIPE CONFLICTS WITH AN EXISTING PIPE WITH LESS THAN 6 INCHES VERTICAL CLEARANCE, THE NEW PIPE SHALL BE CONSTRUCTED OF DIP (EXCEPT STORM SEWERS) AND NEW PIPES SHALL BE ARRANGED TO MEET THE CROSSING REQUIREMENTS ABOVE.
- A MINIMUM 3-FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ANY TYPE OF STORM SEWER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE.
- A MINIMUM 3-FOOT, AND PREFERABLY 10-FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN VACUUM-TYPE SANITARY SEWER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE.
- A MINIMUM 10-FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE.
- A MINIMUM 6-FOOT, AND PREFERABLY 10-FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN GRAVITY OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO 3 FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.
- IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A 10-FOOT HORIZONTAL SEPARATION, THE WATER MAIN MUST BE LAID IN A SEPARATE TRENCH OR ON A UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE SEWER OR FORCE MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 6 INCHES ABOVE THE TOP OF THE SEWER.
- WHERE IT IS NOT POSSIBLE TO MAINTAIN A VERTICAL DISTANCE OF 6 INCHES IN PARALLEL INSTALLATIONS, THE WATER MAIN SHALL BE CONSTRUCTED OF DIP AND THE SEWER OR FORCE MAIN SHALL BE CONSTRUCTED OF DIP (EXCEPT STORM SEWER) WITH A MINIMUM VERTICAL DISTANCE OF 6 INCHES. THE WATER MAIN SHOULD ALWAYS BE ABOVE THE SEWER. JOINTS ON THE WATER MAIN SHALL BE LOCATED AS FAR APART AS POSSIBLE FROM JOINTS ON THE SEWER OR FORCE MAIN (STAGGERED JOINTS).
- ALL DIP SHALL BE PRESSURE CLASS 250 MIN. ADEQUATE PROTECTIVE MEASURES AGAINST CORROSION SHALL BE USED AS DETERMINED BY THE DESIGN ENGINEER.

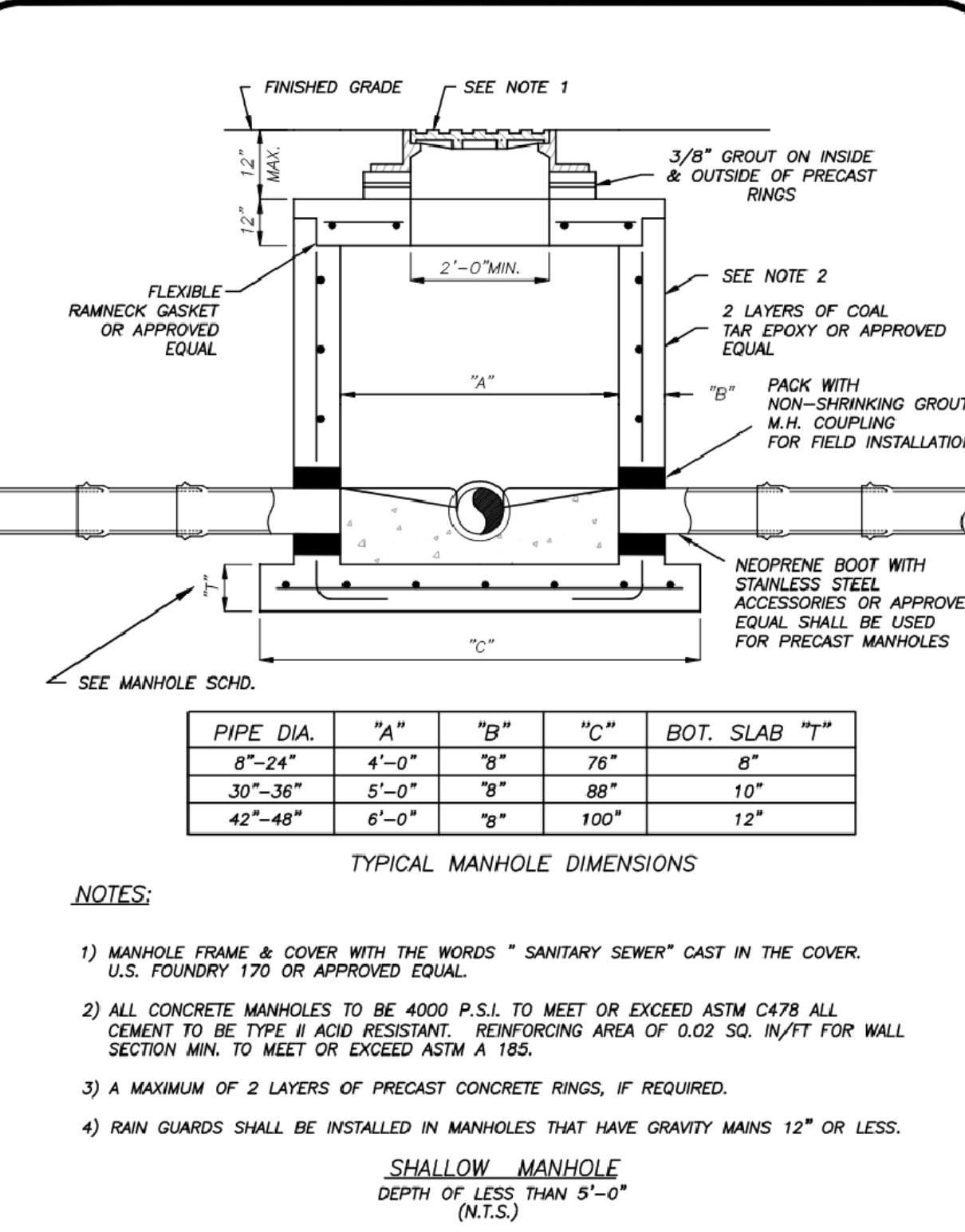
STANDARD SEPARATION STATEMENT FOR WATER/SEWER CONFLICT		G-3	
WATER/WASTEWATER ENGINEERING		WATER/SEWER CONFLICT	
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SCALE: 1"=10'-0"	COMPUTER FILE: SENER DETAIL 200602.DWG	FT. PIERCE UTILITIES AUTHORITY	
APPROVED BY: JAC	DATE: 2019	SHEET: 1	OF: 1



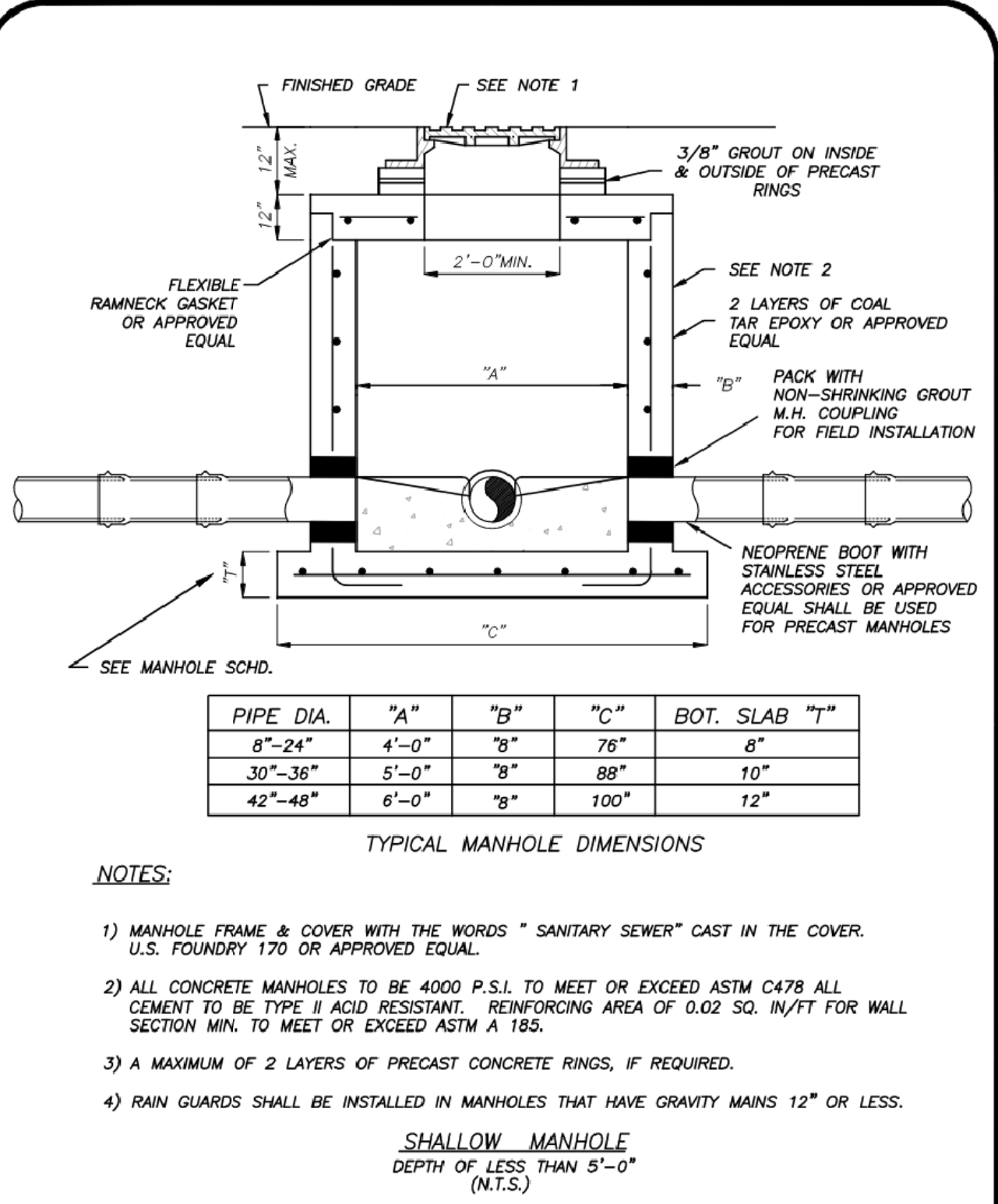
SERVICE CONNECTION WASTEWATER		S-2	
WATER/WASTEWATER ENGINEERING		WATER/WASTEWATER ENGINEERING	
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SCALE: 1"=10'-0"	COMPUTER FILE: SENER DETAIL 200602.DWG	FT. PIERCE UTILITIES AUTHORITY	
APPROVED BY: JAC	DATE: 2019	SHEET: 1	OF: 1



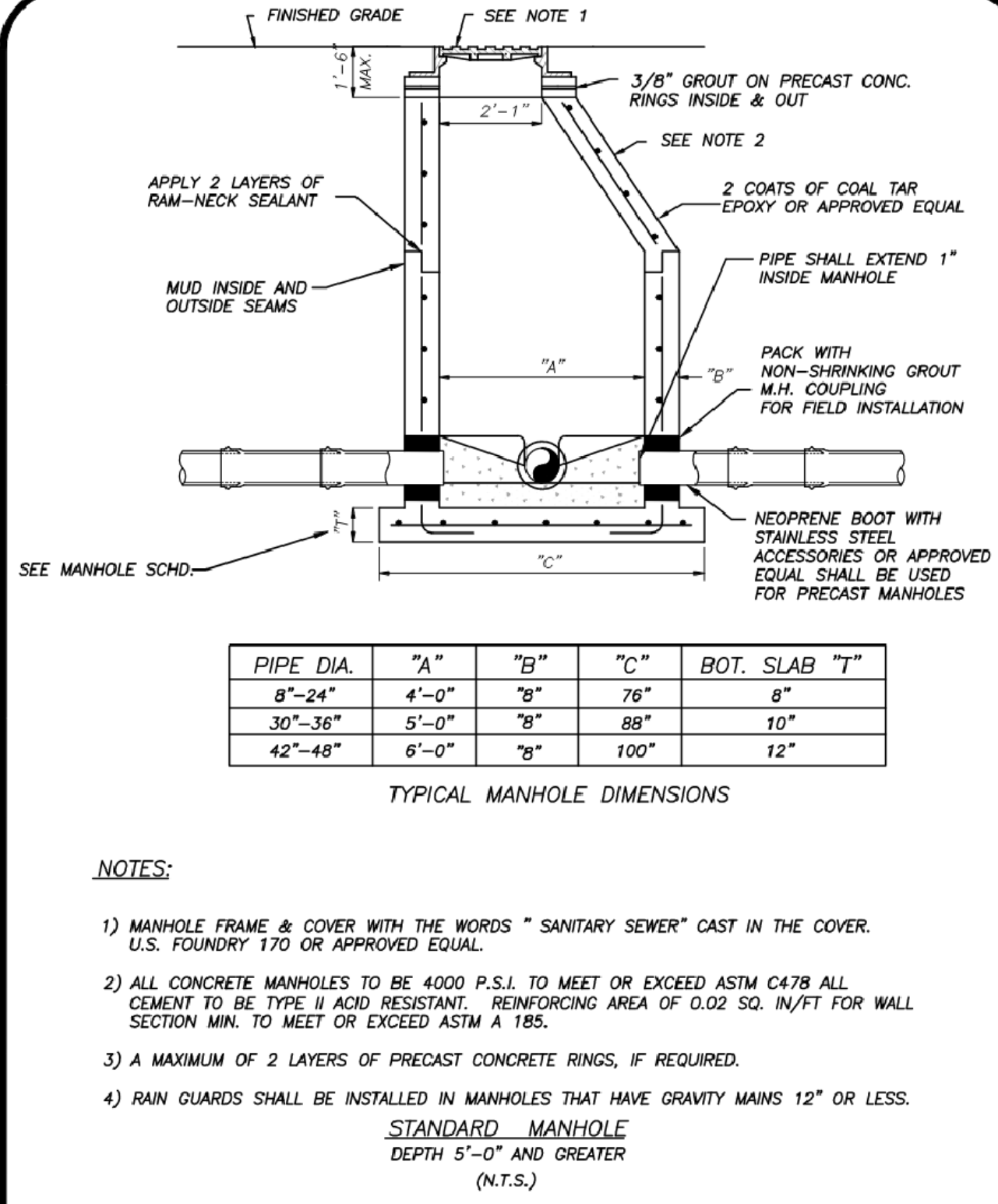
SERVICE CONNECTION WASTEWATER		S-3	
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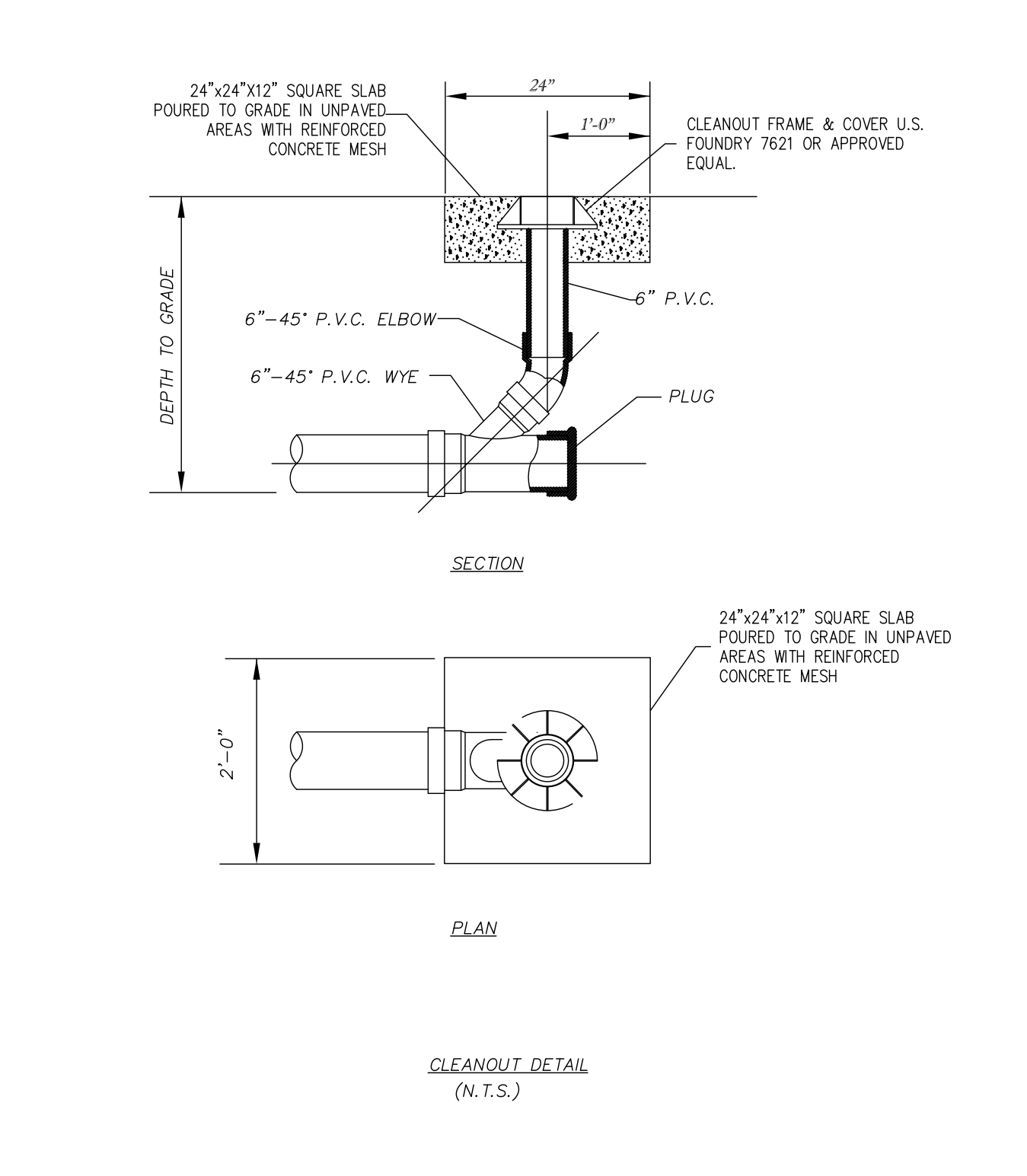
PRECAST MANHOLE DEPTH OF LESS THAN 5'-0"		S-6	
WATER/WASTEWATER ENGINEERING		WATER/WASTEWATER ENGINEERING	
DESIGNED BY: JAC	REVISION: 2019	DATE: 2019	BY: JAC
SCALE: 1"=10'-0"	COMPUTER FILE: SENER DETAIL 200602.DWG	FT. PIERCE UTILITIES AUTHORITY	
APPROVED BY: JAC	DATE: 2019	SHEET: 1	OF: 1



PRECAST MANHOLE DEPTH OF LESS THAN 5'-0"		S-6	
WATER/WASTEWATER ENGINEERING		WATER/WASTEWATER ENGINEERING	
DESIGNED BY: JAC	REVISION: 2019	DATE: 2019	BY: JAC
SCALE: 1"=10'-0"	COMPUTER FILE: SENER DETAIL 200602.DWG	FT. PIERCE UTILITIES AUTHORITY	
APPROVED BY: JAC	DATE: 2019	SHEET: 1	OF: 1



PRECAST MANHOLE DEPTH 5'-0" & GREATER		S-7	
WATER/WASTEWATER ENGINEERING		WATER/WASTEWATER ENGINEERING	
DESIGNED BY: JAC	REVISION: 2019	DATE: 2019	BY: JAC
SCALE: 1"=10'-0"	COMPUTER FILE: SENER DETAIL 200602.DWG	FT. PIERCE UTILITIES AUTHORITY	
APPROVED BY: JAC	DATE: 2019	SHEET: 1	OF: 1



TERMINAL CLEANOUT DETAIL WASTEWATER		S-7	
WATER/WASTEWATER/GAS ENGINEERING		WATER/WASTEWATER/GAS ENGINEERING	
DESIGNED BY: JAC	REVISION: 2019	DATE: 2019	BY: JAC
SCALE: 1"=10'-0"	COMPUTER FILE: SENER DETAIL 200602.DWG	FT. PIERCE UTILITIES AUTHORITY	
APPROVED BY: JAC	DATE: 2019	SHEET: 1	OF: 1

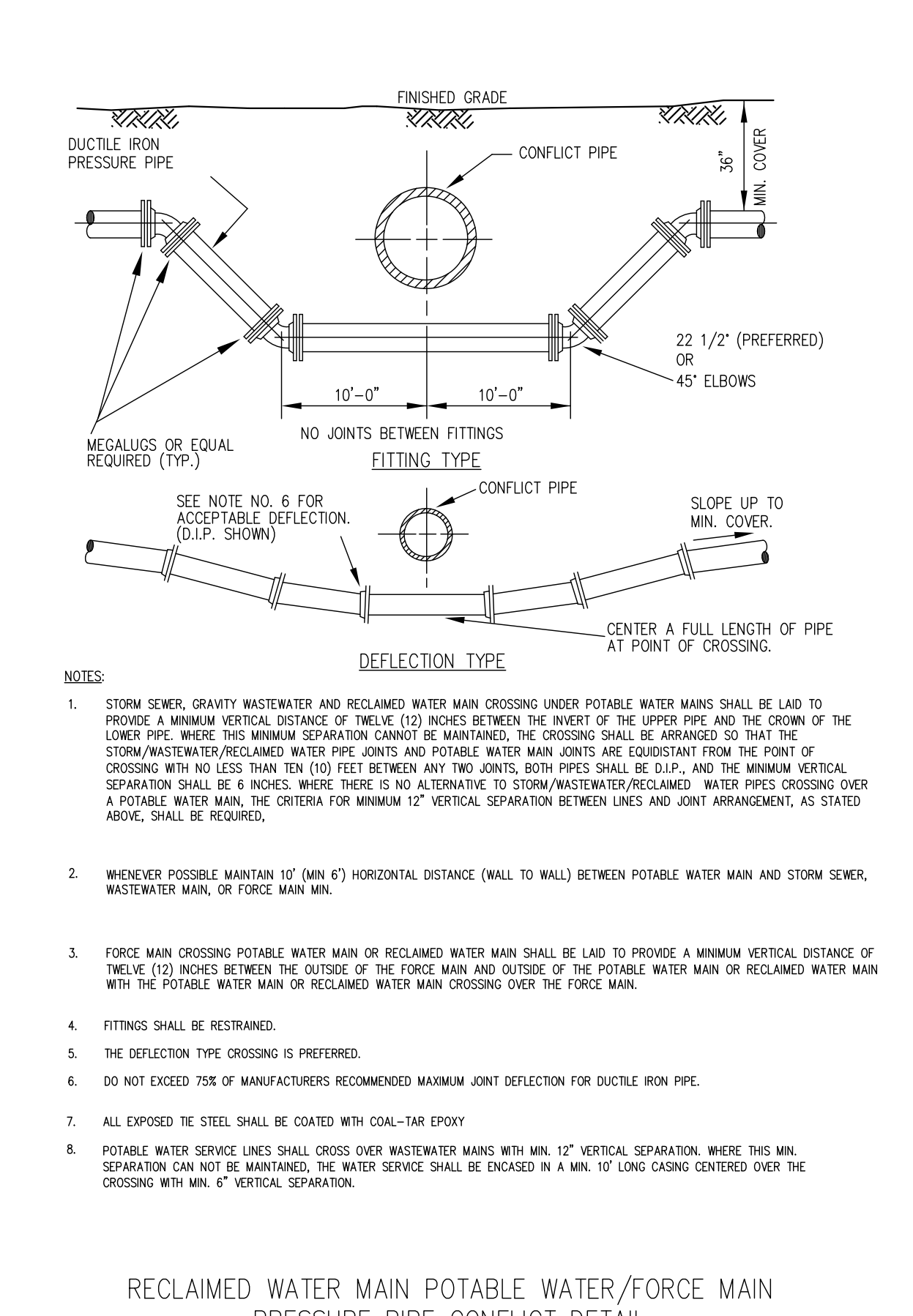
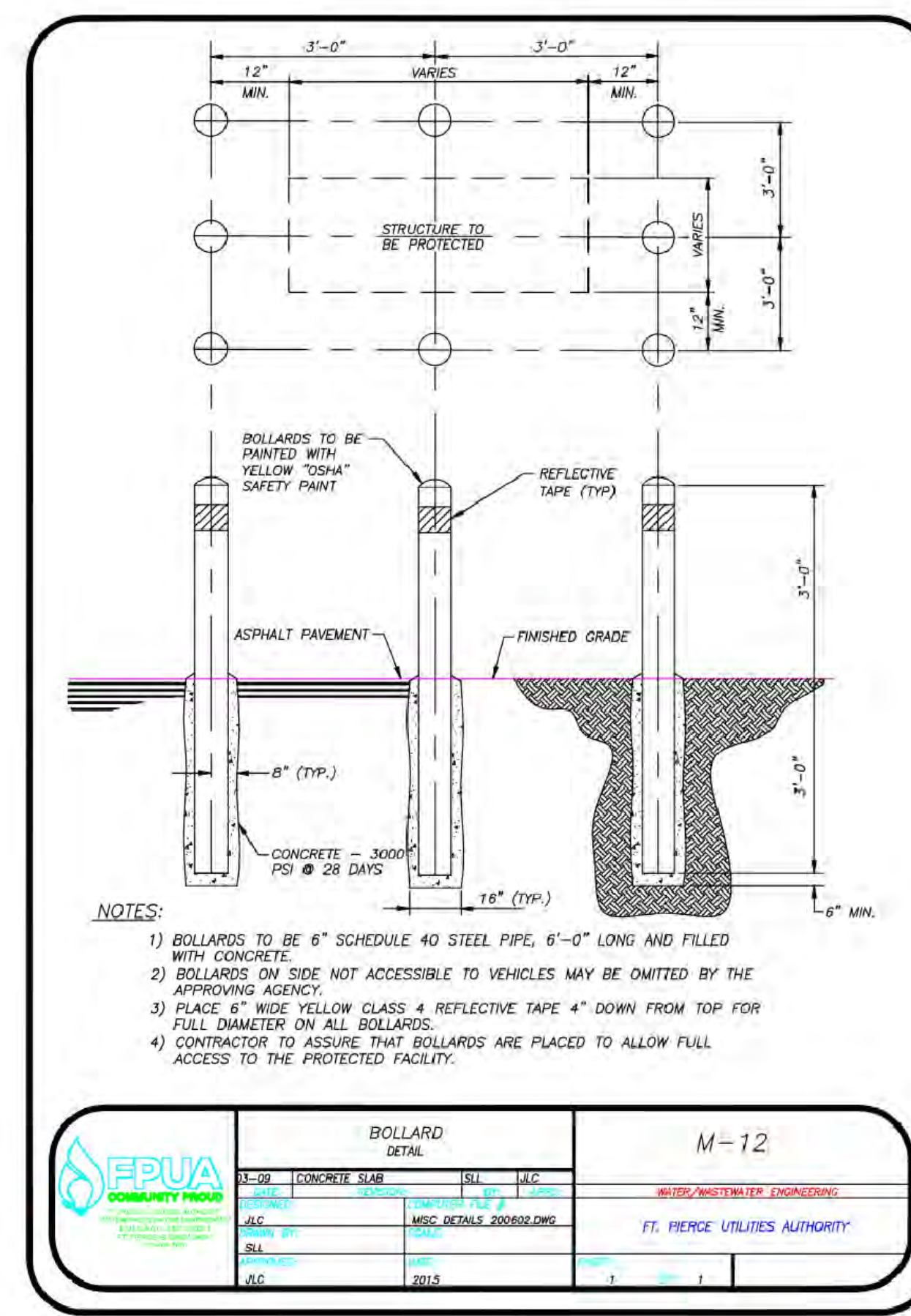
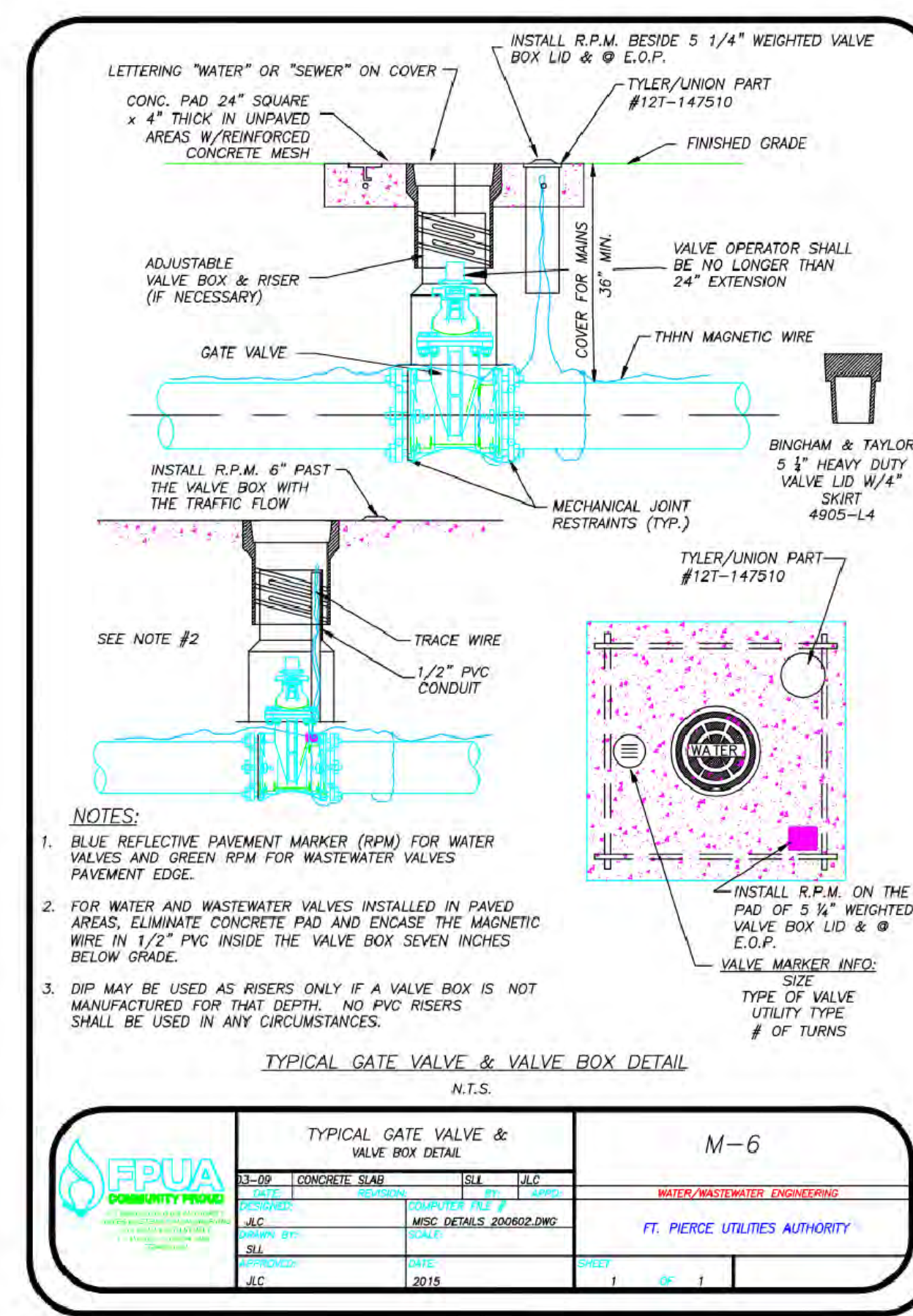
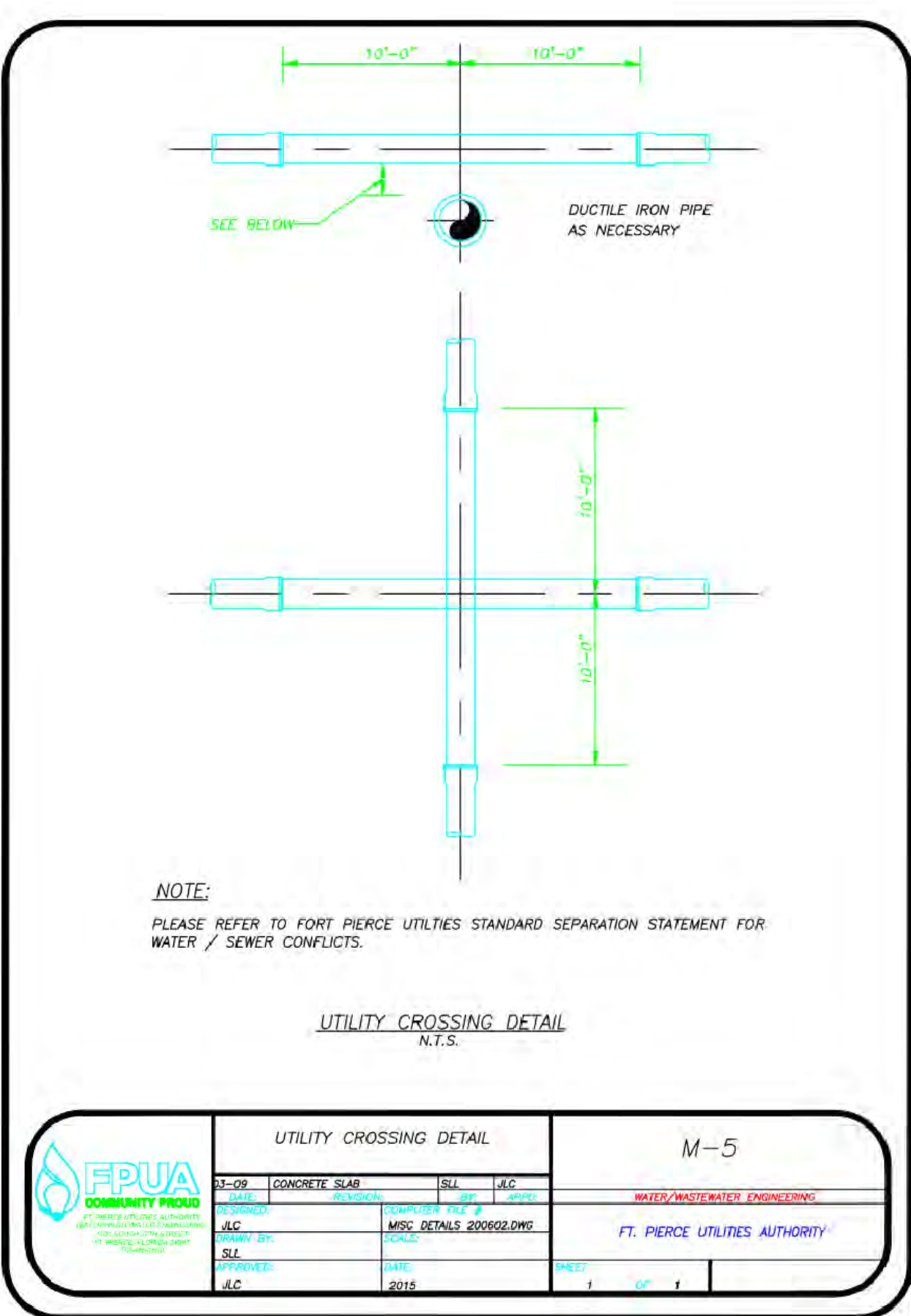
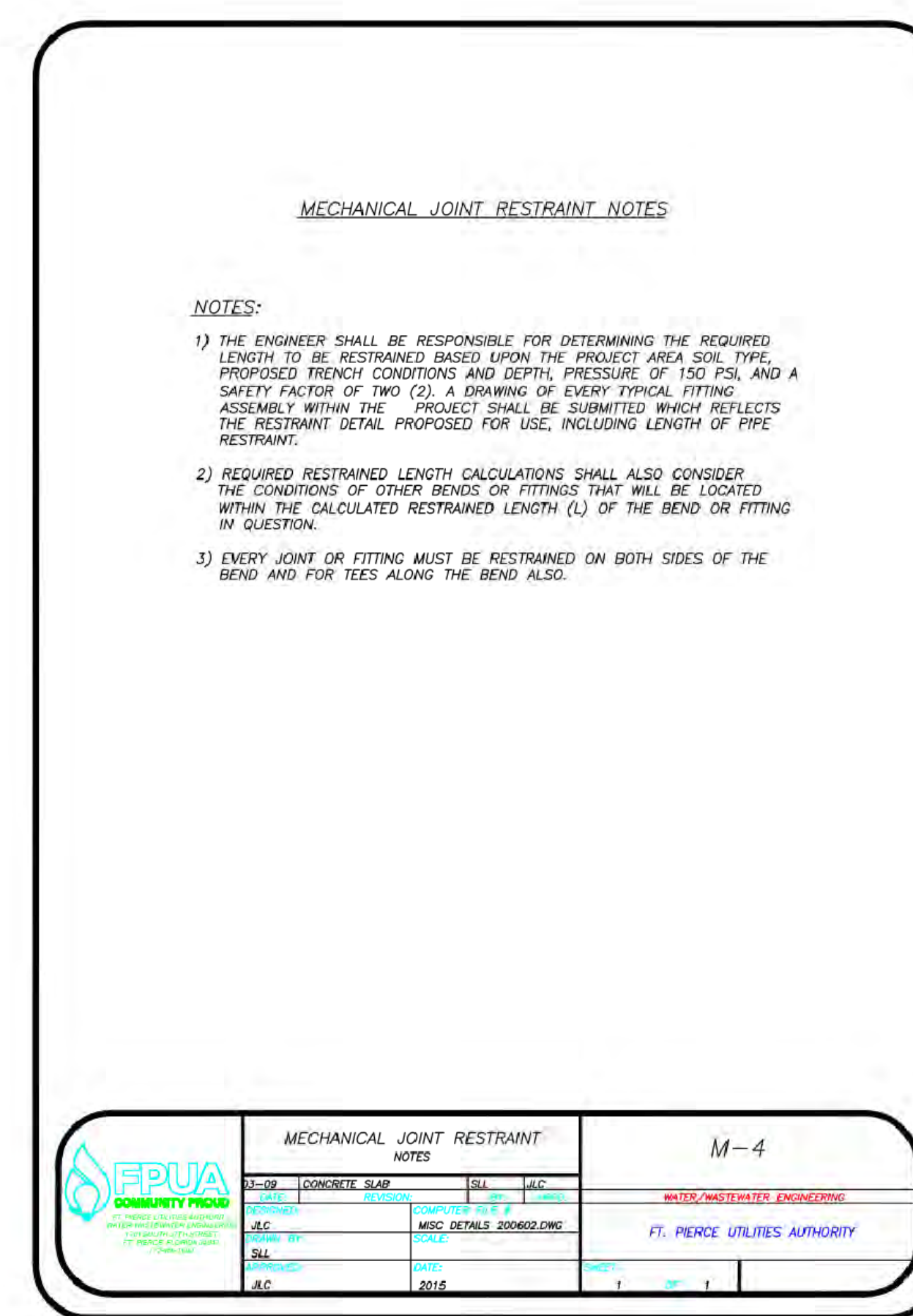
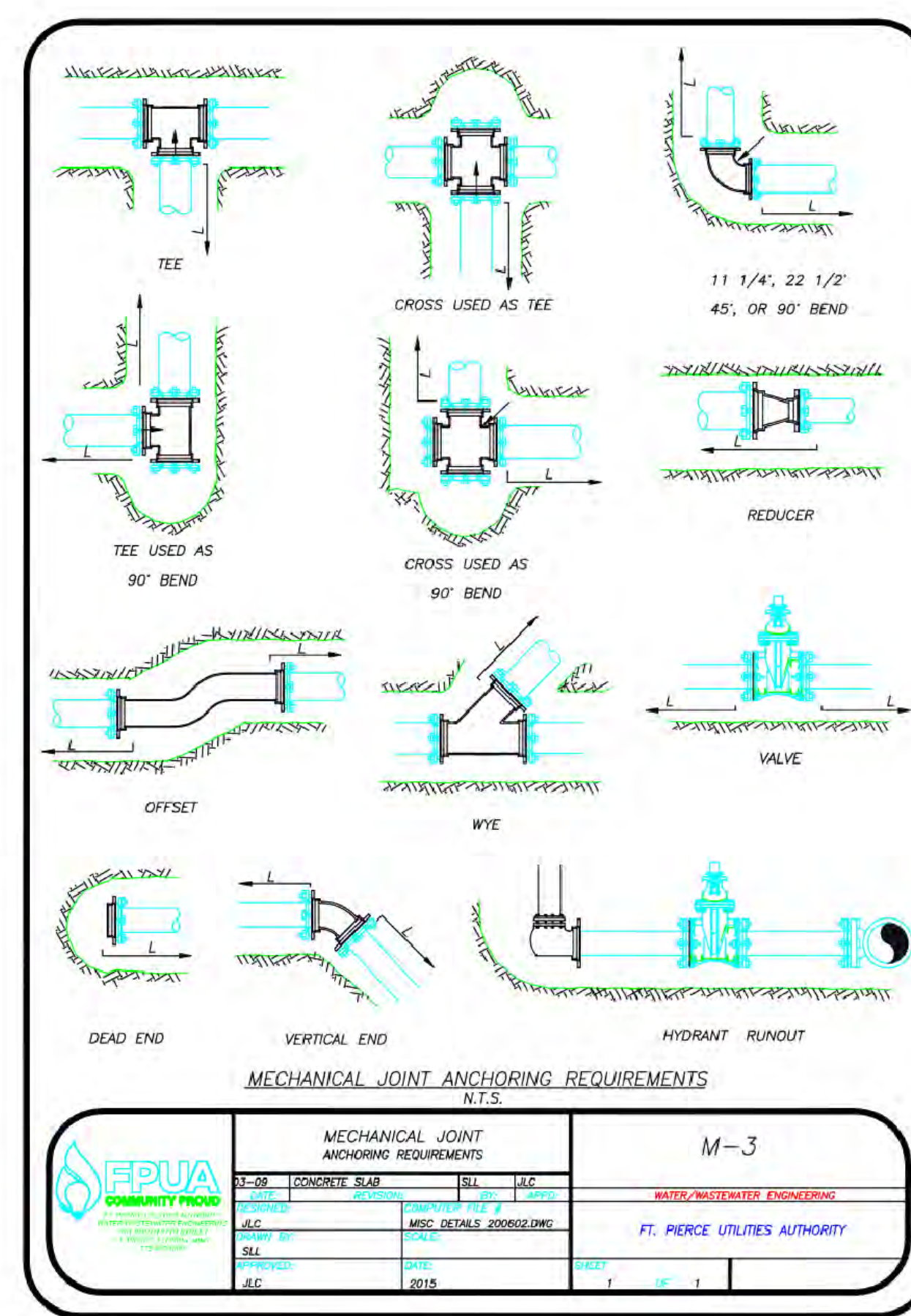
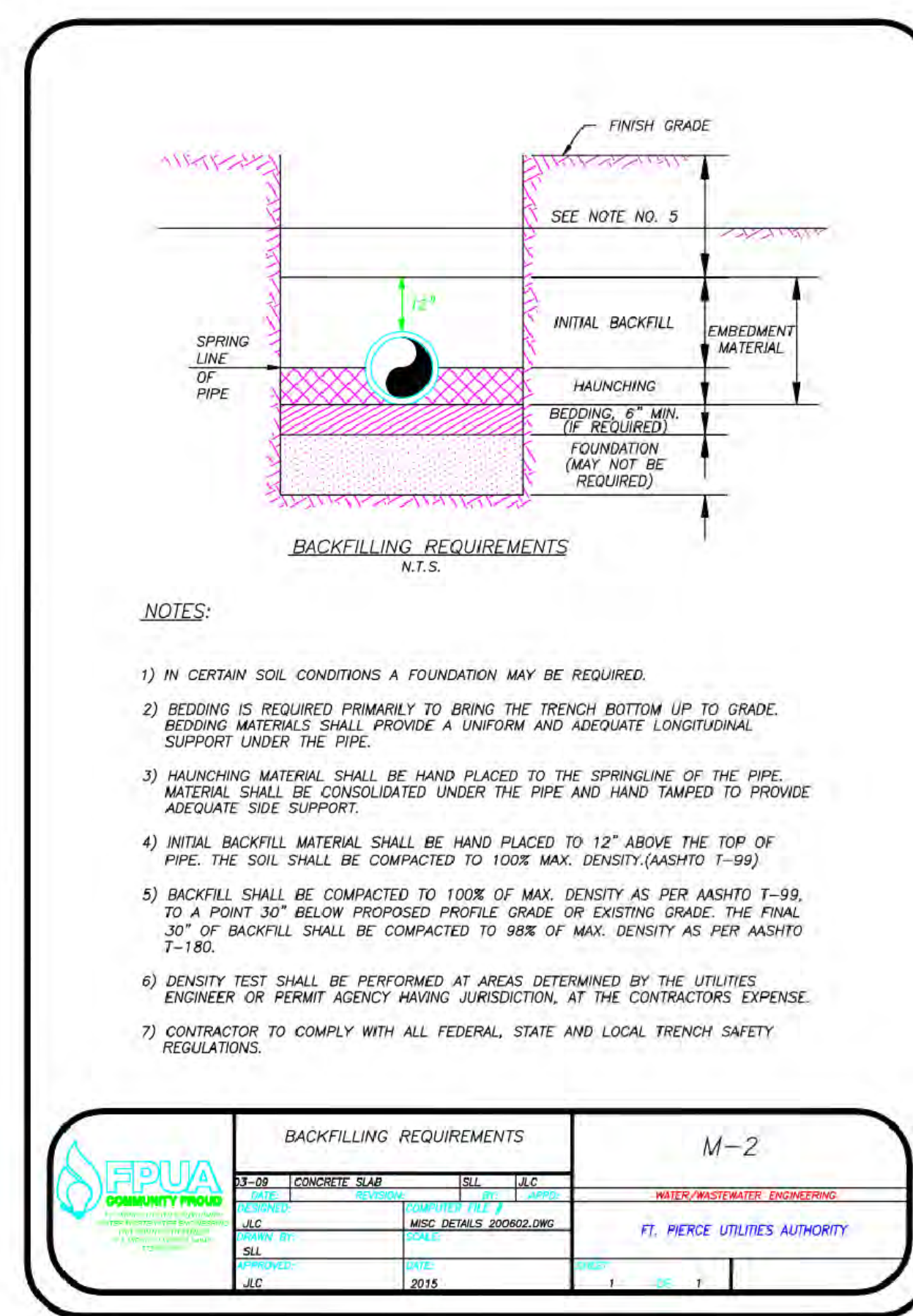
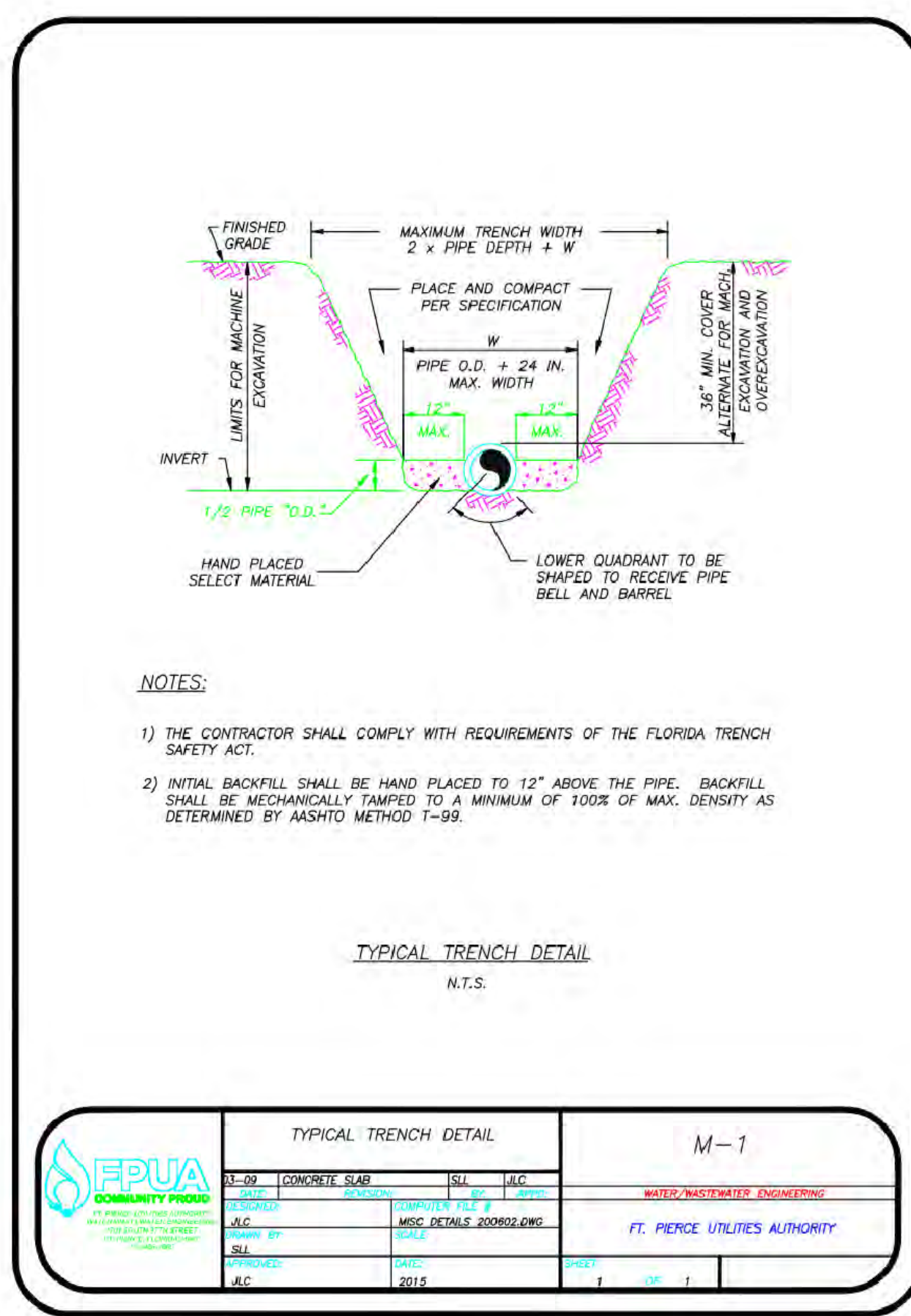
REVISIONS

Jeff H. Iravani, Inc. Consulting Engineers  
 1934 COMMERCE LANE, SUITE 5  
 JUPITER, FLORIDA 33458  
 TEL: (561) 575-6030  
 FAX: (561) 575-6088  
 WEBSITE: www.jhinc.com

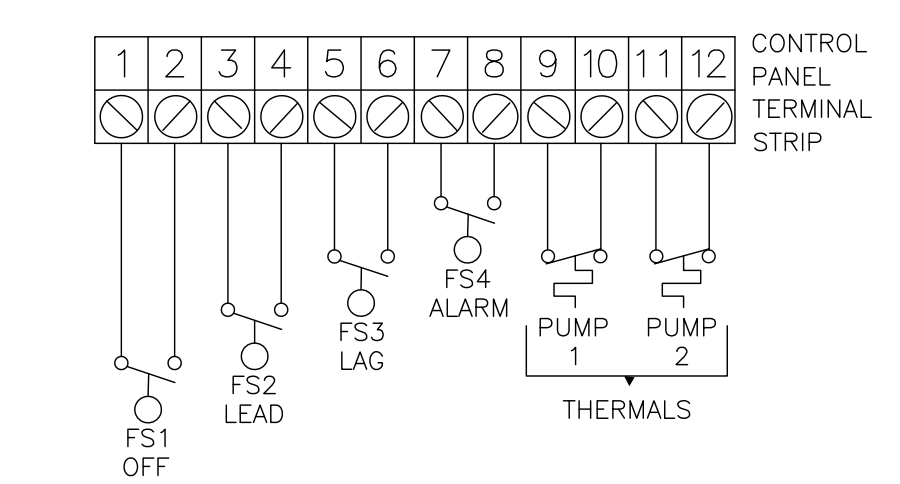
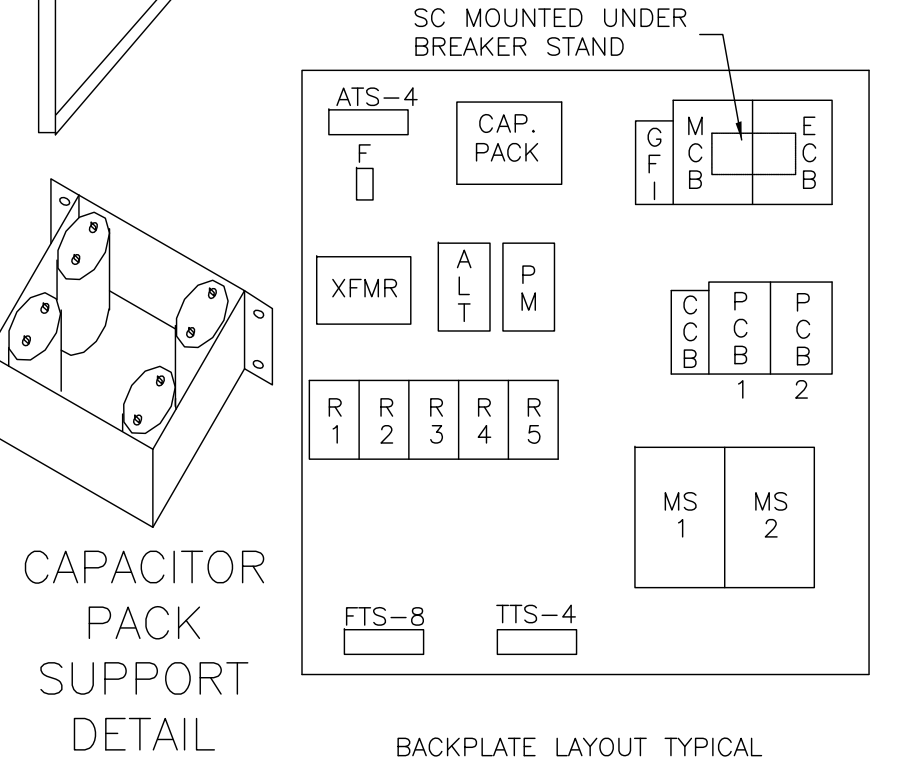
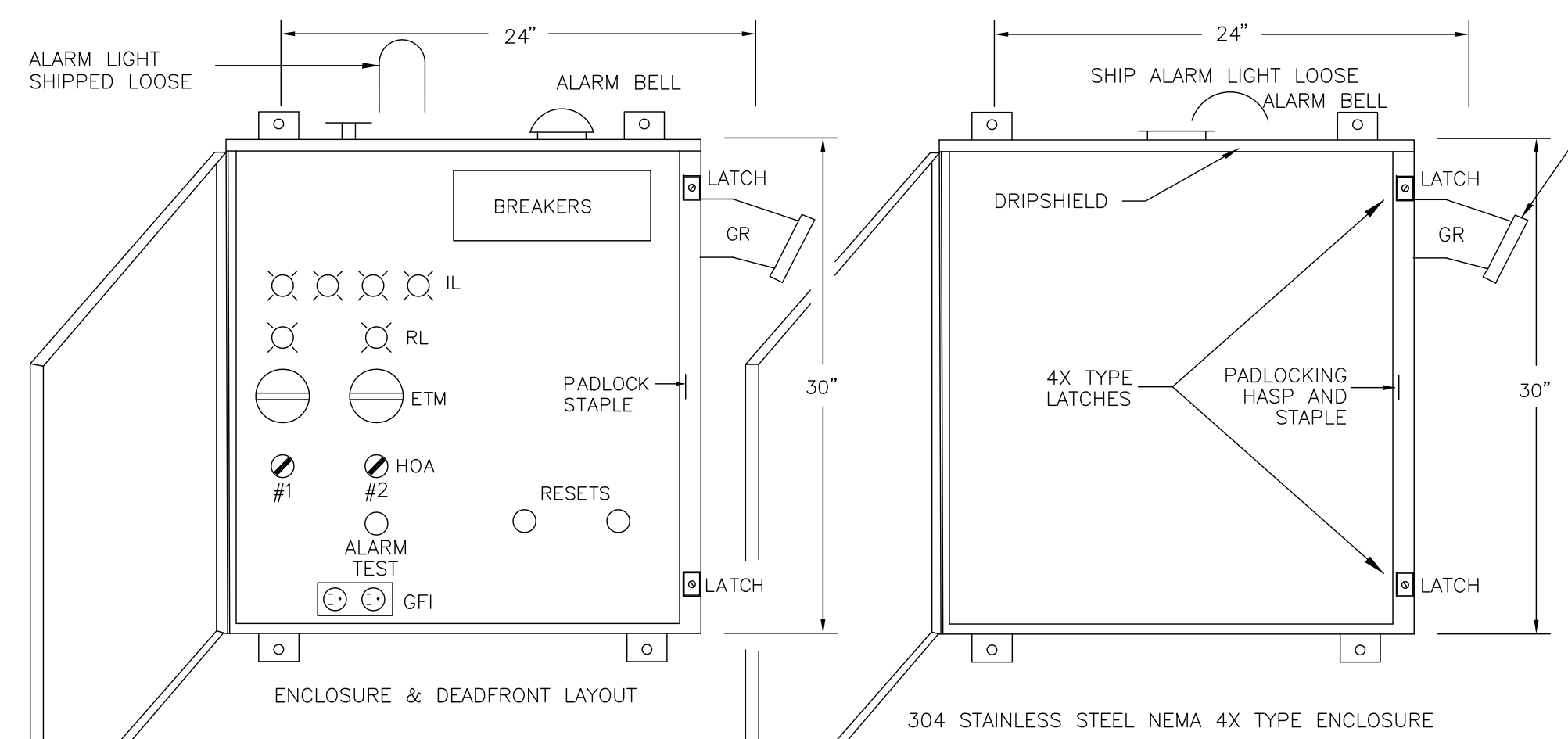
Amazon One Grocery  
 HFL1  
 Kings Highway Commerce Park  
 Parcel-III  
 Fort Pierce, Florida

WASTEWATER DETAILS  
 DESIGNED BY: JHI  
 DRAWN BY: DDI  
 SCALE: NA  
 DATE: 12/24/2025  
 JOB NO.: 2509-1533

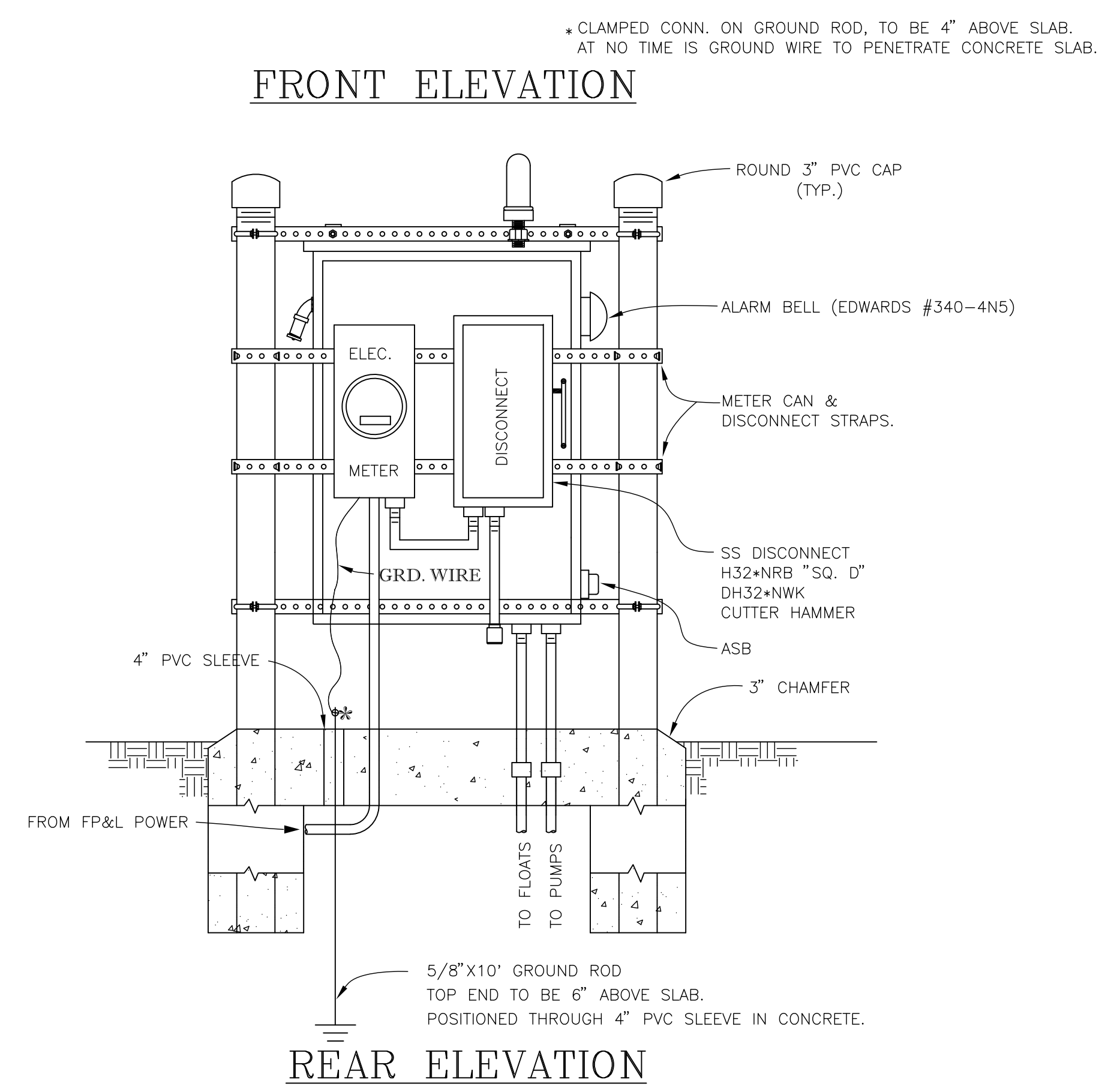
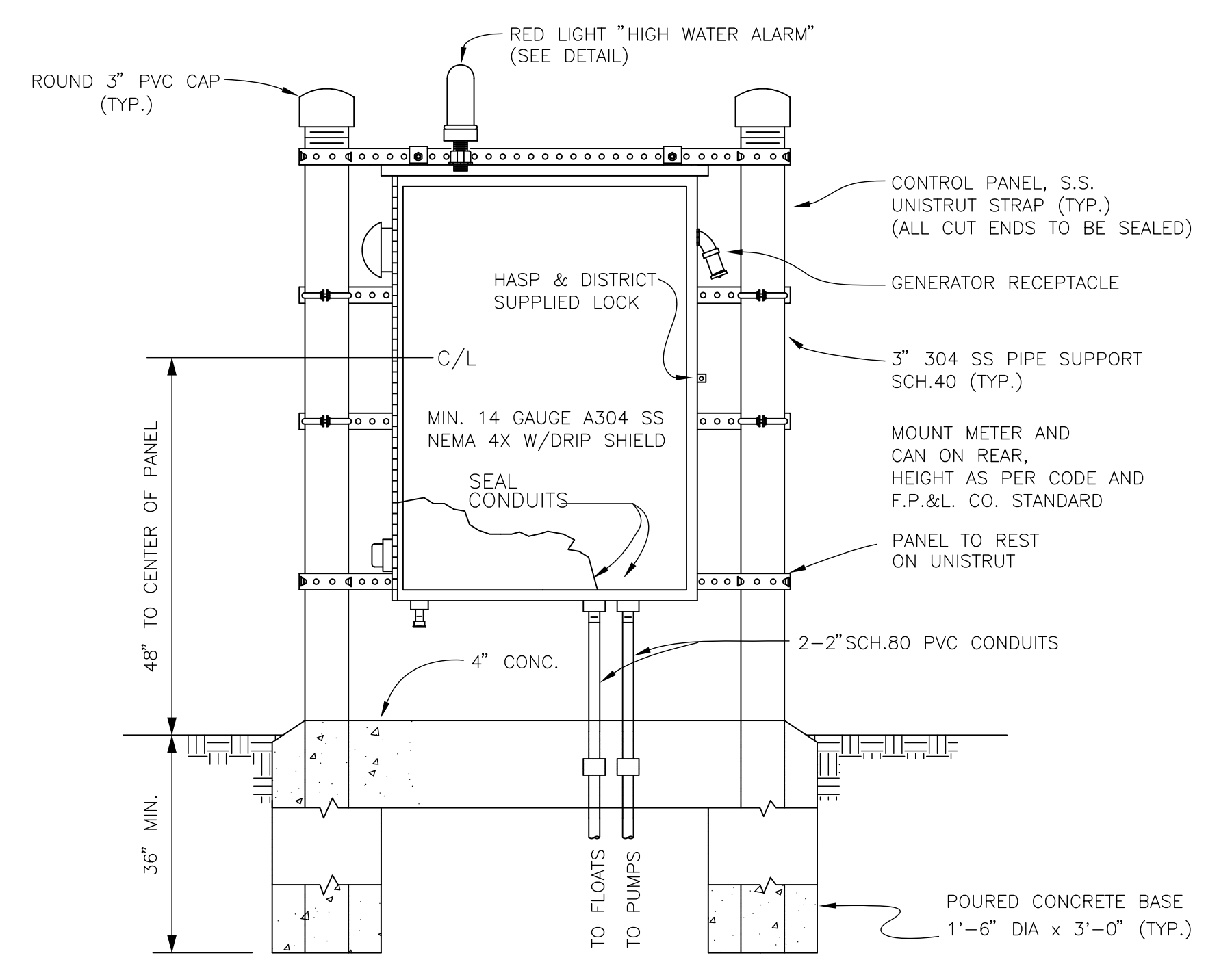
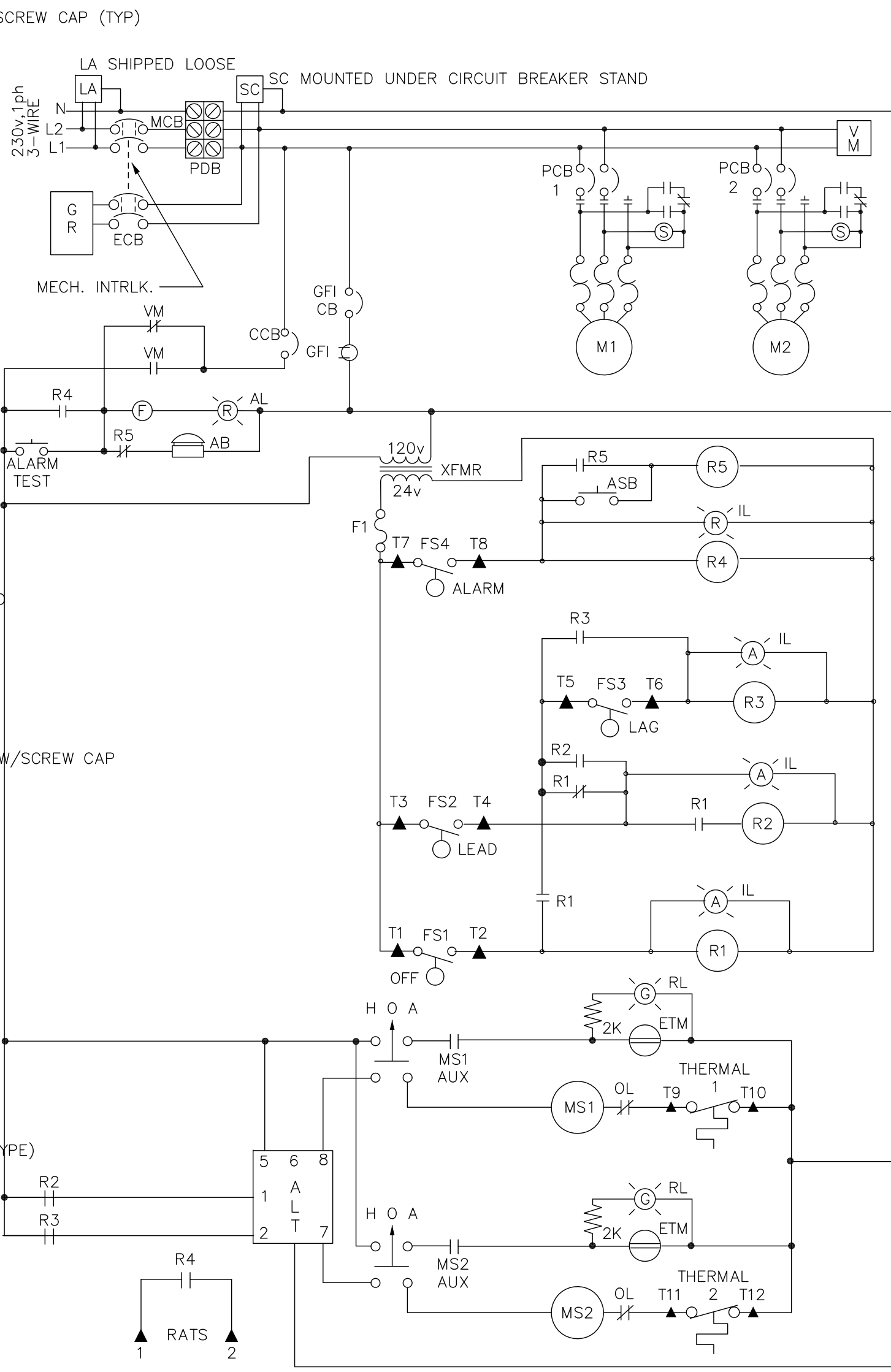
SEAL  
 SHEET NO. C-34







- BILL OF MATERIALS**
- ENC 304 STAINLESS STEEL ENCLOSURE
  - MCB MAIN CIRCUIT BREAKER
  - ECB EMERGENCY CIRCUIT BREAKER
  - PCB1,2 PUMP CIRCUIT BREAKER
  - OCB CONTROL CIRCUIT BREAKER
  - GFCIB GFI CIRCUIT BREAKER
  - MS1,2 STARTER
  - OL HEATER
  - XFMR TRANSFORMER
  - GR GENERATOR RECEPTACLE
  - VM VOLTAGE MONITOR
  - AL ALARM TEST PUSH BUTTON
  - AB ALARM BELL
  - F FLASHER
  - RL RUN LIGHT
  - IL INDICATING LIGHT
  - AMBER LENS
  - RED LENS
  - HOA HAND OFF AUTO SWITCH
  - ETM ELAPSED TIME METER
  - ALT ALTERNATOR
  - R1-5 CONTROL RELAY
  - F1 FUSE
  - F2 FUSE
  - GFI CONVENIENCE RECEPTACLES
  - LA LIGHTNING ARRESTOR
  - SC SURGE CAPACITOR
  - CAP. PACK: RUN CAP. START RELAY.
  - ASR ALARM SILENCE RELAY
  - \* = OR APPROVED EQUAL



**ELECTRICAL CONTROL PANEL SCHEMATIC**

**DUPLEX CONTROL PANEL DETAILS**

REVISIONS

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**Jeff H. Iravani, Inc.**  
Consulting Engineers

1934 COMMERCE LANE, SUITE 5  
JUPITER, FLORIDA 33458

TEL: (561) 575-6030  
FAX: (561) 575-6088  
EMAIL: jh@jhinc.com  
WEBSITE: www.jhinc.com

**Amazon One Grocery**  
HFL1  
Parcel-III

Kings Highway Commerce Park  
Fort Pierce, Florida

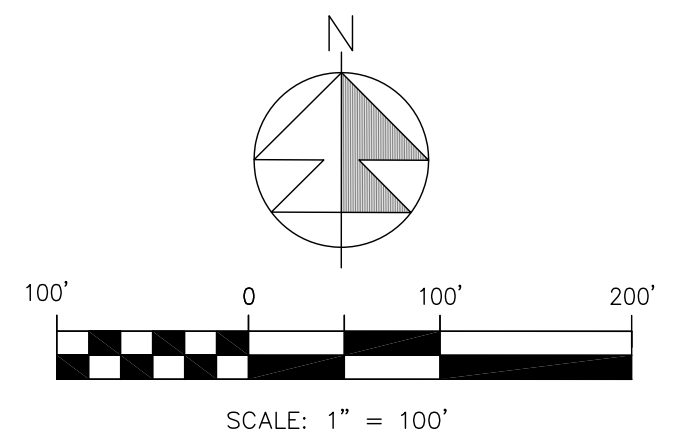
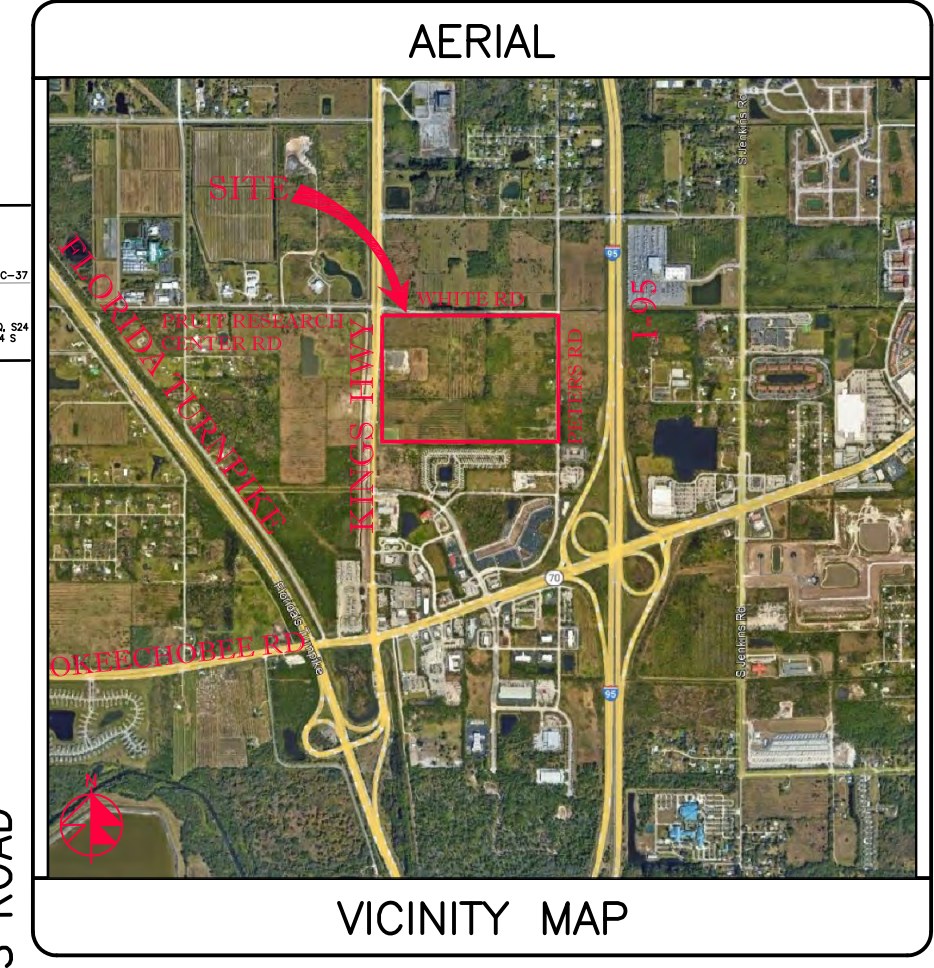
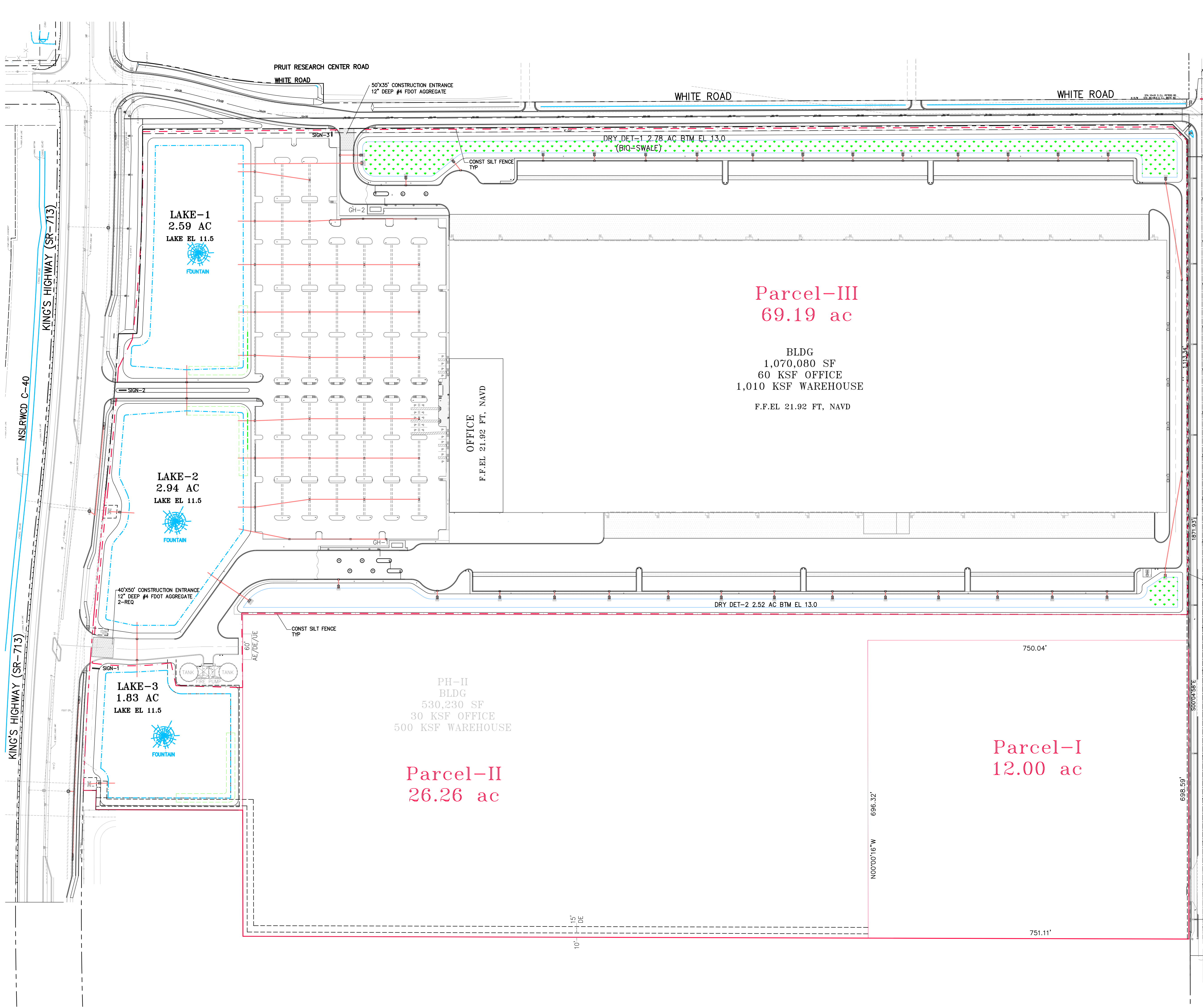
LIFT STATION DETAILS

DATE	SCALE	DESIGNED BY	DRAWN BY	JOB NO.
12/24/2025	NA	JHI	JHI	2509-1533

SEAL

COA 6986  
SHEET NO.  
**C-37**





- NOTES:
- SILT FENCE SHALL BE INSTALLED PRIOR TO START OF CONSTRUCTION.
  - FILTER FABRIC SHALL BE INSTALLED UNDER INLET GRATES IN CONSTRUCTION AREAS & SHALL BE MAINTAINED/REPLACED AS REQ'D. FABRIC SHALL NOT BE REMOVED UNTIL ALL DISTURBED AREAS HAVE BEEN RESTORED, CLEANED FREE OF SEDIMENTATION & SOD IS INSTALLED AS REQ'D.
  - MINIMUM 6" DEEP #1 FDOT AGGREGATE SHALL BE INSTALLED AT THE CONSTRUCTION ENTRANCE PRIOR TO START OF CONSTRUCTION.
  - CONTRACTOR SHALL STABILIZE / SEED & MULCH ANY DISTURBED AREA WITH NO WITH NO CONSTRUCTION ACTIVITY IN 14 DAYS.
  - CONTRACTOR SHALL UTILIZE BEST MANAGEMENT PRACTICES FOR EROSION & SEDIMENTATION CONTROL PER FDEP GUIDELINE.
  - ALL LAKES SHALL BE EXCAVATED WET WITH NO DEWATERING.
  - ALL DEWATERING DISCHARGE SHALL BE KEPT ON SITE.

48 HOURS BEFORE DIGGING  
CALL TOLL FREE  
811  
CALL SUNSHINE  
NOTIFICATION CENTER

LEGEND

⊙ 19.7	PROP PAVT EL
⊙	EXIST EL
⊙	CONTRACTOR TO FIELD VERIFY
⊙	INVERT EL
⊙	CATCH BASIN
⊙	YARD DRAIN
⊙	BOTTOM OF CURB
⊙	BOTTOM EL
⊙	TOP OF CURB
⊙	TOP EL
⊙	EXFILTRATION TRENCH
⊙	WATER MAIN
⊙	FORCE MAIN
⊙	FIRE MAIN
⊙	WASTEWATER GRAVITY
⊙	FIRE HYDRANT
⊙	GATE VALVE
⊙	GATE VALVE
⊙	SIAMENSE CONN.
⊙	CHECK VALVE
⊙	DOUBLE DETECTOR
⊙	CHECK VALVE
⊙	WATER METER W/ REDUCED PRESSURE BACKFLOW PREV.
⊙	SAMPLE POINT
⊙	MITERED END SECTION
⊙	FIN FLOOR ELEV
⊙	FLOW LINE ELEV
⊙	TOP OF BANK
⊙	TOE OF SLOPE
⊙	TOP OF CONCRETE
⊙	TAPPING VALVE
⊙	CLEANOUT
⊙	BORING NO. AND LOCATION
⊙	APPROVED EQUIVALENT

REVISIONS

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Consulting Engineers

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JUPITER, FLORIDA 33458  
TEL: (561) 575-6030  
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**Amazon One Grocery**  
HFL1  
Parcel-III  
Kings Highway Commerce Park  
Fort Pierce, Florida

Pollution Prevention Plan

DATE	DESIGNED BY	DRAWN BY	JOB NO.
12/24/2025	JHI	DDI	2409-1533
SCALE	1" = 100'		

SEAL

COA 6286  
SHEET NO.  
C-39