

SURVEYOR'S NOTES

1. UNLESS SHOWN OTHERWISE, ALL DIMENSIONS ARE CALCULATED(C) AND MEASURED(M).
2. SITE ADDRESS: NOT ASSIGNED AT TIME OF SURVEY.
3. PARCEL ID: 1-28-37-35-0030-00070-0070 & 1-28-37-35-0030-00070-0010.
4. F.I.R.M. ZONE: "X", MAP NO. 12093C0480C, DATED 07/16/15.
5. THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). REFERENCE BENCHMARK USED: NGS DESIGNATION "T 523", PUBLISHED EL. 18.47' (NAVD 88).
6. THIS SURVEY IS NOT INTENDED TO DEPICT JURISDICTIONAL AREAS OR OTHER AREAS OF LOCAL CONCERN.
7. THE SURVEY DEPICTED HERE IS NOT COVERED BY PROFESSIONAL LIABILITY INSURANCE.
8. ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
9. THE DESCRIPTION SHOWN HEREON WAS PREPARED BY THE SURVEYOR.
10. BEARING REFERENCE: THE WEST RIGHT-OF-WAY LINE OF U.S. HIGHWAY 441 IS TAKEN TO BEAR SOUTH 00°09'12" EAST.
11. DATE OF LAST FIELD SURVEY: 04/12/23.

LOT DESCRIPTION

A PARCEL OF LYING IN A PORTION OF BLOCK 7, RENFROE PARK SUBDIVISION, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 2, PAGE(S) 55, OF THE PUBLIC RECORDS OF OKEECHOBEE COUNTY, FLORIDA, AND THE SOUTH 1/2 OF SW 26TH STREET (F/K/A SEVENTEENTH STREET) VACATED IN OFFICIAL RECORDS BOOK 403, PAGE 915 OF THE PUBLIC RECORDS OF OKEECHOBEE COUNTY, FLORIDA. SAID PARCEL BEING DESCRIBED AS FOLLOWS:

COMMENCE AT THE INTERSECTION OF THE EAST RIGHT-OF-WAY LINE OF SW 2ND AVENUE AND THE CENTERLINE OF SW 27TH STREET (F/K/A EIGHTEENTH STREET) (VACATED IN SAID OFFICIAL RECORDS BOOK 403, PAGE 915); THENCE N 00°09'59" W, ALONG SAID EAST RIGHT-OF-WAY LINE, A DISTANCE OF 200.20 FEET TO THE POINT OF BEGINNING;

THENCE CONTINUE N 00°09'59" W, ALONG SAID EAST RIGHT-OF-WAY LINE, A DISTANCE OF 140.00 FEET TO THE CENTERLINE OF SAID SW 26TH STREET; THENCE N 89°29'15" E, ALONG SAID CENTERLINE, A DISTANCE OF 300.32 FEET TO THE WEST RIGHT-OF-WAY LINE OF U.S. HIGHWAY 441, (A/K/A S.R. 15 AND PARROTT AVENUE); THENCE S 00°09'12" E, ALONG SAID WEST RIGHT-OF-WAY LINE, A DISTANCE OF 140.00 FEET; THENCE S 89°29'15" W, A DISTANCE OF 300.28 FEET TO THE POINT OF BEGINNING.

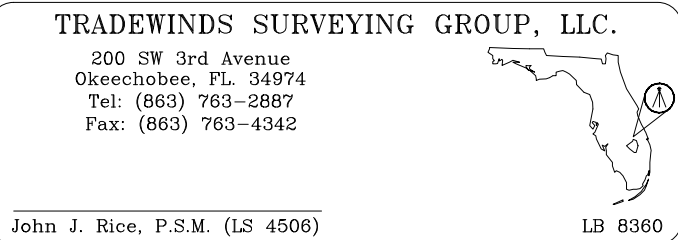
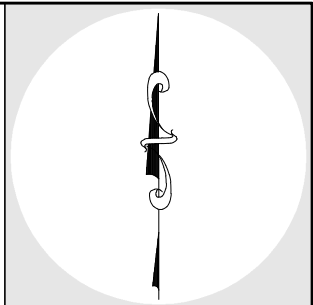
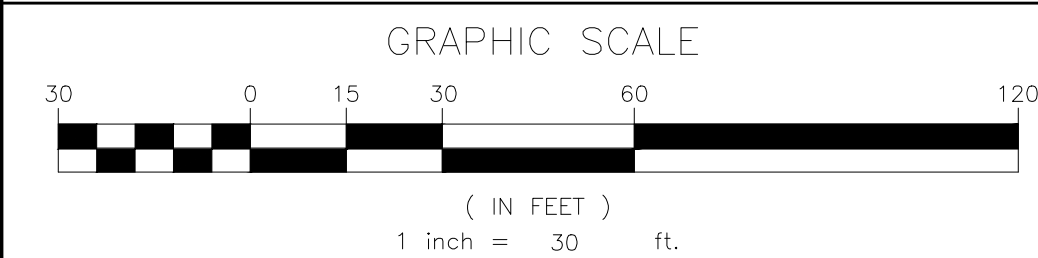
CONTAINING 2.34 ACRES, MORE OR LESS.

DEMO NOTES:

1. ALL STRUCTURES AND TREES WITHIN THE LIMIT OF DISTURBANCE TO BE REMOVED UNLESS INDICATED OTHERWISE.
2. USE OF SYNTHETIC BALES IS REQUIRED WITHIN THE FDOT RIGHT OF WAY.

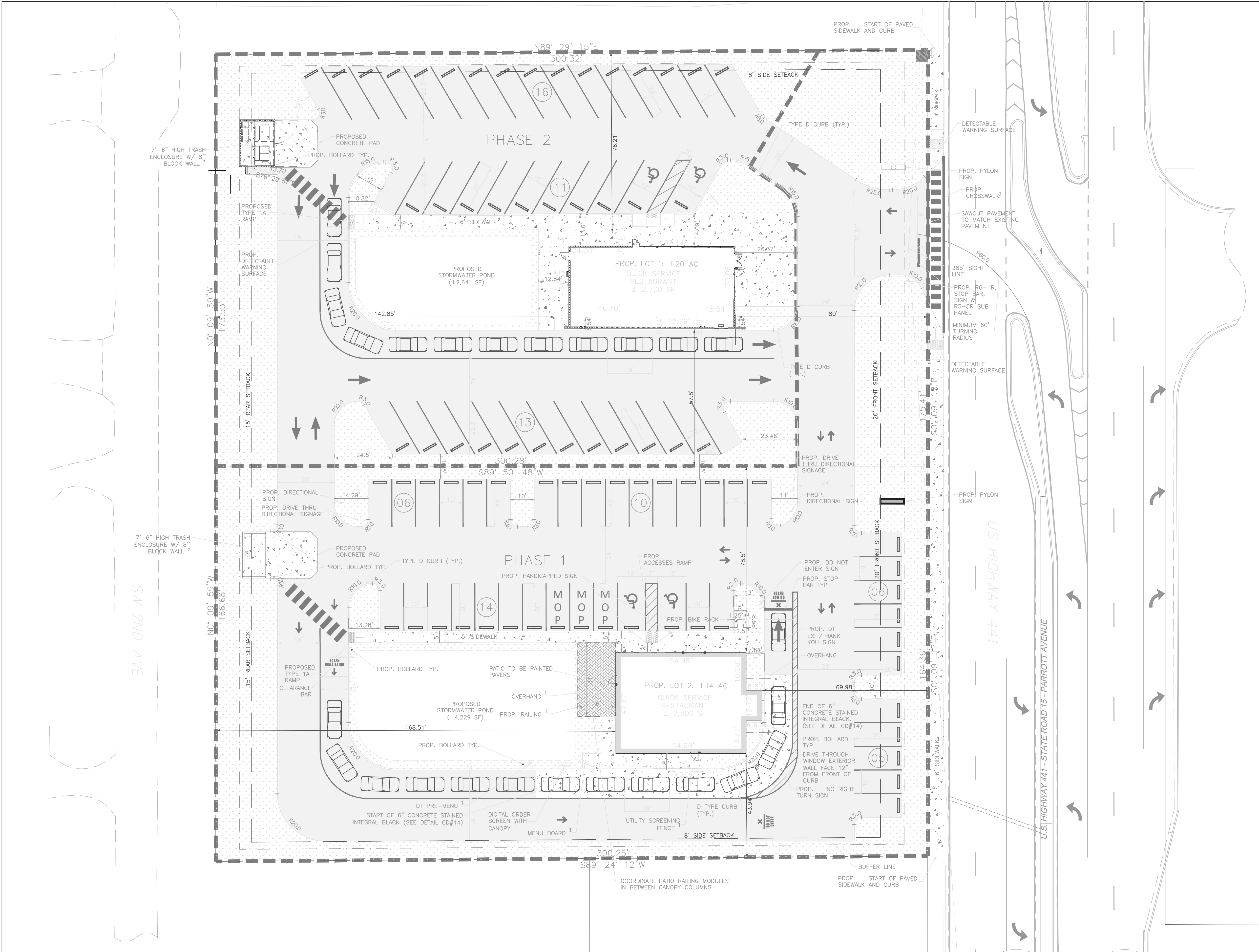
LEGEND	
	EX. SILT FENCE
	EX. OVERHEAD WIRE
	EX. WATER LINE
	EX. HDPE PIPE

AERIAL IMAGERY SOURCED FROM LABINS.ORG, DATED: 2022



THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADOPTION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.

#3	04-02-2025	REV. PER FDOT COMMENTS DATED 03-06-2025	JT	POC
#2	02-20-2025	REV. PER FDOT COMMENTS DATED 02-17-2025	JT	POC
#1	02-03-2025	REV. PER FDOT COMMENTS DATED 01-30-2025	JT	POC
#0	DATE	DESCRIPTION	ENG	CAD
STEVEN L. DOBBS, P.E.				
209 NE 2nd Street Okeechobee, Florida 34974 SLD Phone (863) 824-7644 Newlines Phone (732) 594-4501 Florida@newlinesco.com				
ENGINEERING • SOILS				
EXISTING CONDITIONS & DEMO PLAN			PROJECT NO.	FL23001
			ENGINEER	JB
			DRAFTER	POCDB
			MANAGER	EW
			SCALE	1" = 30'
			DATE	2025-05-30
			SHEET	2 OF 29
2605 HWY 441 S HOLDINGS LLC				
SEC. 28, TOWNSHIP 35 SOUTH, RANGE 29 EAST				
OKEECHOBEE CITY, FLORIDA				
FLORIDA PROFESSIONAL ENGINEER LICENSE NO. 48134				
DATE				



- LEGEND:**
- BUILDING DOOR
 - PROPOSED CONCRETE
 - PROPOSED WHEEL STOP
 - PROPOSED DEPRESSSED CURB
 - PROPOSED DETECTABLE WARNING SURFACE
 - PROPOSED HANDICAPPED PARKING
 - PROPOSED NO PARKING AREA
 - PROPOSED PARKING SPACES
 - PROPOSED ASPHALT
 - PROPOSED SIGN
 - PROPOSED TRAFFIC ARROW
 - PHASE LINE

NOTE:
UNLESS OTHERWISE NOTED THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY DE-WATERING OF STRUCTURES, SEWER LINE, DRAINAGE PIPE AND WATER LINES.

ALL DISTURBED AREAS IN THE FDOT RIGHT OF WAY WILL BE SODDED

CONTRACTOR TO CLEAN THE DITCH TO ELEVATION 17.0' NAVD'88

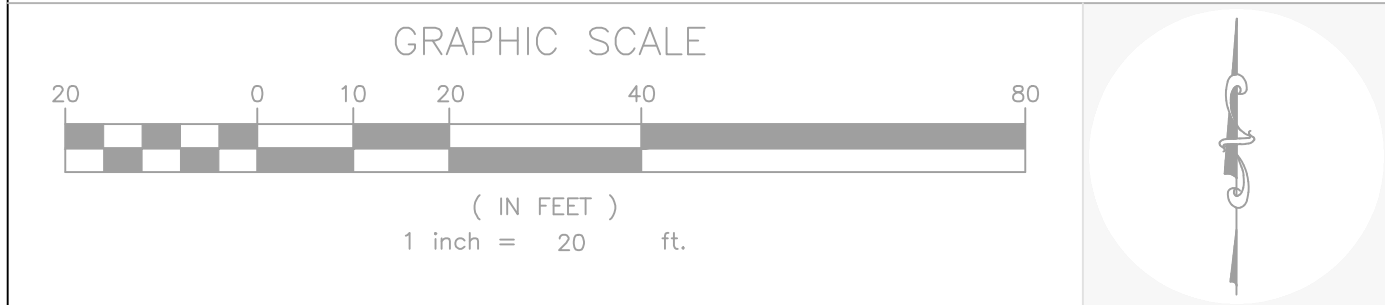
¹ DETAILS FOR SITE FEATURES IN STARBUCKS CONSTRUCTION DETAILS AND FOUNDATION DETAILS IN ARCHITECTURAL PLANS

² DETAILS FOR TRASH ENCLOSURE IN ARCHITECTURAL PLANS

³ PROPOSED CROSSWALK TO FOLLOW SPECIAL EMPHASIS CROSSWALK DETAIL FROM FDOT STANDARD PLANS FOR ROAD CONSTRUCTION INDEX 711-001 SHEET 9 OF 13.

ZONING DATA
ZONE: C-COMMERCIAL

	REQUIRED	LOT 1	LOT 2
MIN. LOT AREA	N/A	1.20 AC	1.14 AC
MIN. LOT WIDTH	100'	175.41'	164.36'
MIN. FRONT YARD SETBACK	20'	80.00'	69.98'
MIN. REAR YARD SETBACK	15'	142.85'	168.50'
MIN. SIDE YARD SETBACK	8'	57.80'	44.94'
MAX. IMPERVIOUS COVERAGE	90%	65%	67%
MAX. BUILDING HEIGHT	45'	≤ 45'	NA
PARKING	SEE PARKING CALCULATIONS	40	41



THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADOPTION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.

#4 08-15-2025	CHIPOTLE UPDATES	SLD	SLD
#3 04-02-2025	REV. PER FDOT COMMENTS DATED 03-06-2025	JT	POC
#2 02-20-2025	REV. PER FDOT COMMENTS DATED 02-17-2025	JT	POC
#1 02-03-2025	REV. PER FDOT COMMENTS DATED 01-30-2025	JT	POC
#0	DATE DESCRIPTION	ENG	CAD

STEVEN L. DOBBS, P.E.

209 NE 2nd Street
Okeechobee, Florida 34974
S.L.D. Phone (863) 824-7644
Newlines Phone (732) 984-6591
Florida@newlinesco.com
• ENGINEERING • SOILS •

FLORIDA PROFESSIONAL ENGINEER LICENSE NO. 48154

2605 HWY 441 S HOLDINGS LLC

SEC. 28, TOWNSHIP 35 SOUTH, RANGE 29 EAST

OKEECHOBEE CITY, FLORIDA

PROJECT NO. FL23001

ENGINEER JB

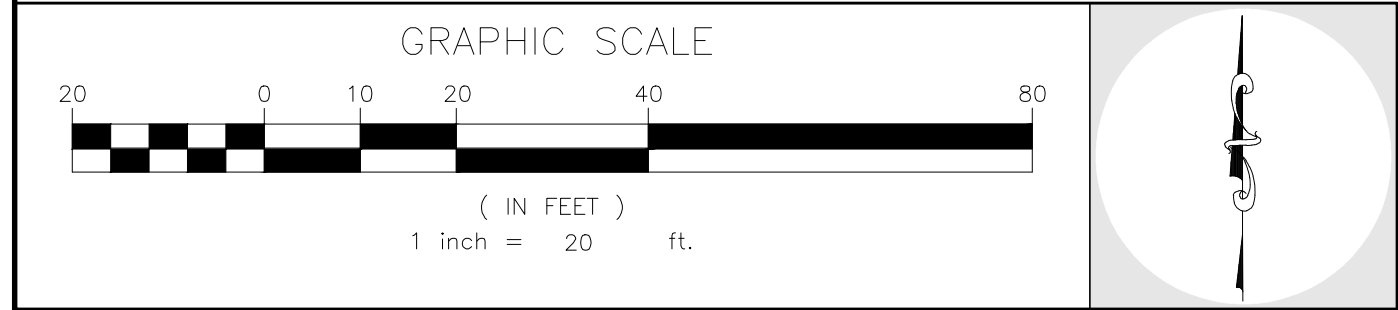
DRAFTER POC/DB

MANAGER EW

SCALE 1" = 20'

DATE 2025-08-15

SHEET 3 OF 29























CALL 48 HOURS BEFORE
YOU DIG IN FLORIDA, IT'S THE LAW

**Sunshine
State
One Call** **811**
of Florida, Inc.

NOTE: ONSITE SOILS ARE HYDROLOGIC
SOIL GROUP 'C/D' THE FOLLOWING CURVE
NUMBERS WERE USED:

LAWN:	CN = 80
WOODS	CN = 83
IMPERVIOUS:	CN = 98

LEGEND:	
	EXISTING AIR CONDITIONER
	EXISTING ELECTRIC BOX
	EXISTING FIRE HYDRANT
	EXISTING GAS METER
	EXISTING GAS VALVE
	EXISTING GROUND SURFACE ELEVATION
	EXISTING IRON PIN FOUND
	EXISTING LIGHT POLE
	EXISTING MAILBOX
	EXISTING MONUMENT FOUND
	EXISTING OVERHEAD WIRE
	EXISTING PHONE BOX
	EXISTING SANITARY MANHOLE
	EXISTING STORM INLET
	EXISTING TRAFFIC SIGN
	EXISTING UTILITY POLE
	EXISTING WATER METER
	EXISTING WATER VALVE
	SILT FENCE
	TO BE REMOVED

#1	04-02-2025	REV. PER FDOT COMMENTS DATED 03-06-2025	JT	PCDC
#2	20-02-2025	REV. PER FDOT COMMENTS DATED 02-17-2025	JT	PCDC
#1	02-03-2025	REV. PER FDOT COMMENTS DATED 01-30-2025	JT	PCDC
#0	DATE	DESCRIPTION	ENG	CAC

STEVEN L. DOBBS, P.E.

S

L

O

D

NEWLINES
LAND CONSULTANTS

209 NE 2nd Street
Okeechobee, Florida 34974
SLD Phone (863) 824-7664
Newlines Phone (732) 994-4940
Florida@newlines.com
• ENGINEERING • SOILS

FLORIDA PROFESSIONAL ENGINEER LICENSE NO. 48754	EXISTING GRADING AND DRAINAGE	PROJECT NO.	FL3001
		ENGINEER	JLB
		DRAFTER	PCDCB
		MANAGER	EW
		SCALE	1" = 20'
		DATE	2025-05-30
		SHEET	4 OF 29

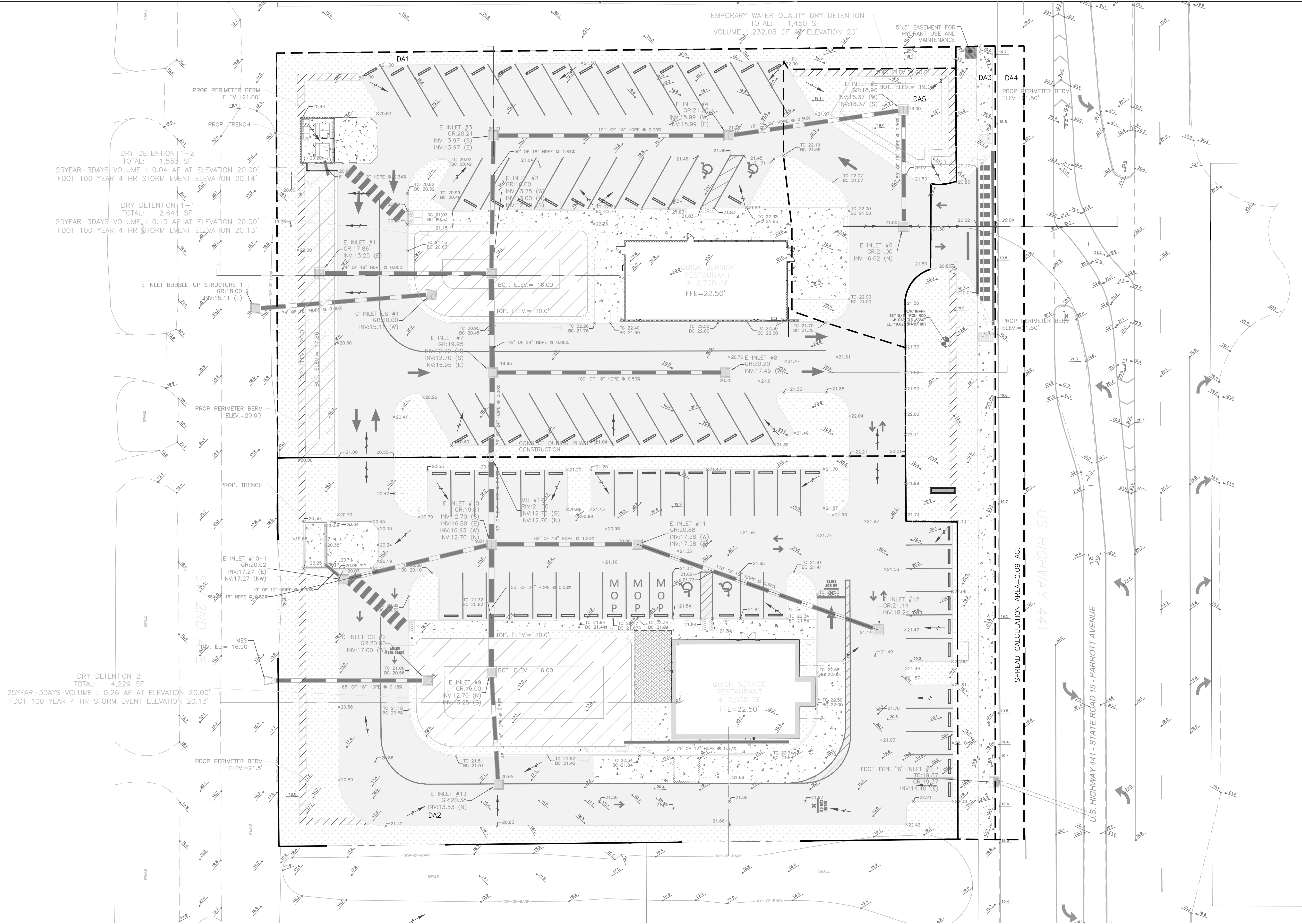
DATE

2605 HWY 441 S HOLDINGS LLC

SEC. 28, TOWNSHIP 35 SOUTH, RANGE 25 EAST

OKEECHOBEE CITY, FLORIDA

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADOPTION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.



DRAINAGE AREAS	
DA1 LAWN = 0.27 AC IMPERVIOUS = 0.69 AC TOTAL = 0.95 AC	DA5 LAWN = 0.07 AC IMPERVIOUS = 0.09 AC TOTAL = 0.16 AC

DA2
LAWN = 0.33 AC
IMPERVIOUS = 0.76 AC
TOTAL = 1.09 AC

DA3
LAWN = 0.13 AC
IMPERVIOUS = 0.06 AC
TOTAL = 0.19 AC

DA4
IMPERVIOUS = 0.09 AC
TOTAL = 0.09 AC

NOTE: ONSITE SOILS ARE HYDROLOGIC SOIL GROUP 'C/D'.
THE FOLLOWING CURVE NUMBERS WERE USED:
LAWN CN = 74
IMPERVIOUS CN = 98

NOTE:
UNLESS OTHERWISE NOTED THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY DE-WATERING OF STRUCTURES, SEWER LINE, DRAINAGE PIPE AND WATER LINES.

ALL DISTURBED AREAS IN THE FDOT RIGHT OF WAY WILL BE SODDED

WMD CRITICAL DURATION 100-YEAR 3-DAYS PEAK STAGE FOR THE SITE, 21.58' (NAVD88)

WMD CRITICAL DURATION 25-YEAR 3-DAYS PEAK STAGE FOR THE SITE, 19.73' (NAVD88)

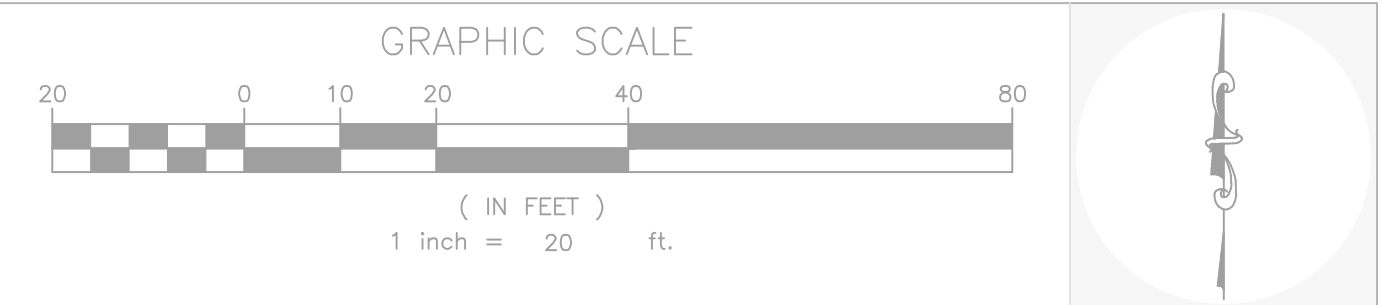
FDOT CRITICAL DURATION 100-YEAR 4-HOURS PEAK STAGE FOR THE SITE, 20.14' (NAVD88)

PERIMETER BERM ON FRONT SHOULD BE 1' ABOVE THE WMD DESIGN STORM EVENT OR THE FDOT CRITICAL STORM PRODUCING THE HIGHEST PEAK STAGE, WHICHEVER IS GREATER. MIN BERM ELEVATION 21.14' (NAVD88)

DETAILS FOR INLET TYPE "6" FOUND IN FDOT STANDARD PLANS INDEX 425-021. TRAFFIC CONTROL FOR DRIVEWAY REMOVAL AND INLET REPLACEMENT FOUND IN FDOT MOT INDEX 102-603, SEE ATTACHED

LEGEND

- EXISTING GROUND SURFACE ELEVATION
- 12.3 PROPOSED ELEVATION
- PROPOSED DRAINAGE MANHOLE
- PROPOSED DRAIN PIPE
- PROPOSED PERIMETER BERM
- PROPOSED MES
- PROPOSED FDOT TYPE "6" INLET
- PROPOSED TYPE "E" INLET
- TC TOP OF CURB ELEVATION
- BC BOTTOM OF CURB ELEVATION
- FC FLUSH CURB ELEVATION
- TDC TOP OF DEPRESSED CURB ELEVATION
- RIM MANHOLE RIM ELEVATION
- GR INLET GRATE ELEVATION
- INV PIPE INVERT ELEVATION



TEMPORARY WATER QUALITY DRY DETENTION:

Previous Area	Impervious Area	Total area	1" x Total Area	Runoff from 2.5" x net impervious - SPMWD criteria	Required Water Quality Volume	Dry Detention Multiplier	Adjusted Required Water Quality Volume	Bottom area	Top area	Bottom elevation	Top elevation	Volume
sf	sf	sf	sf	sf	sf		sf	sf	sf	ft	ft	cf
5325.69	4768.97	10094.66	841.22	993.54	993.54	1.13	1117.73	1014.84	1449.27	19.00	20.00	1232.05

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADOPTION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.

#108-15-2025

CHIPOTLE UPDATES

SLD

SLD

#104-02-2025

REV. PER FDOT COMMENTS DATED 03-06-2025

JT

POC

#102-20-2025

REV. PER FDOT COMMENTS DATED 02-17-2025

JT

POC

#102-03-2025

REV. PER FDOT COMMENTS DATED 01-30-2025

JT

POC

#0

DATE

DESCRIPTION

ENG

CAD

STEVEN L. DOBBS, P.E.

S

L

D

NEWLINES

LAND CONSULTANTS

209 NE 2nd Street
Okeechobee, Florida 34974
S.L.D. Phone (863) 824-7644
Newlines Phone (732) 984-6991
Florida@newlinesco.com

ENGINEERING • SOILS

GRADING & DRAINAGE PLAN

PROJECT NO. FL23001

ENGINEER JB

DRAFTER PDC/DB

MANAGER EW

SCALE 1" = 20'

DATE 2025-08-15

SHEET 5 OF 29

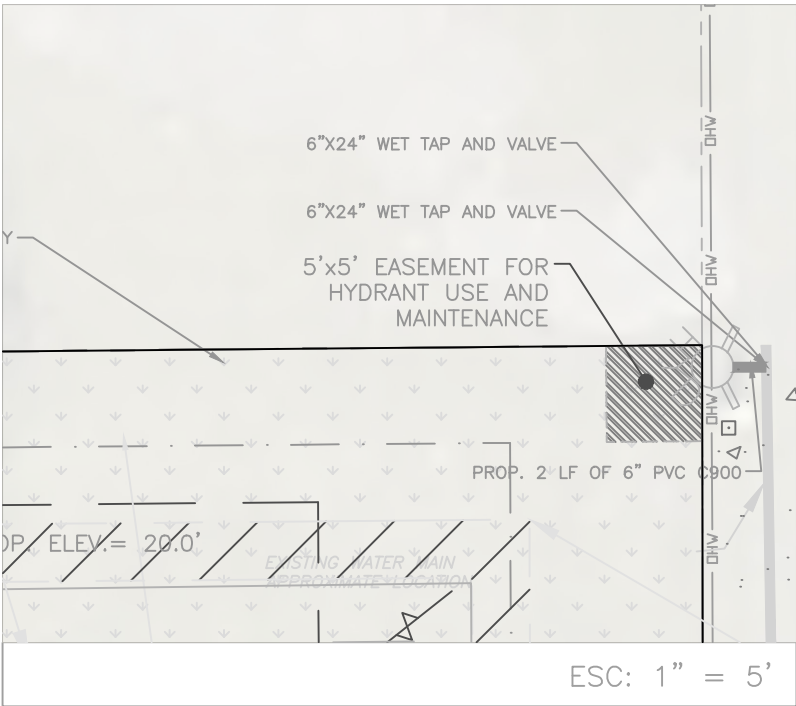
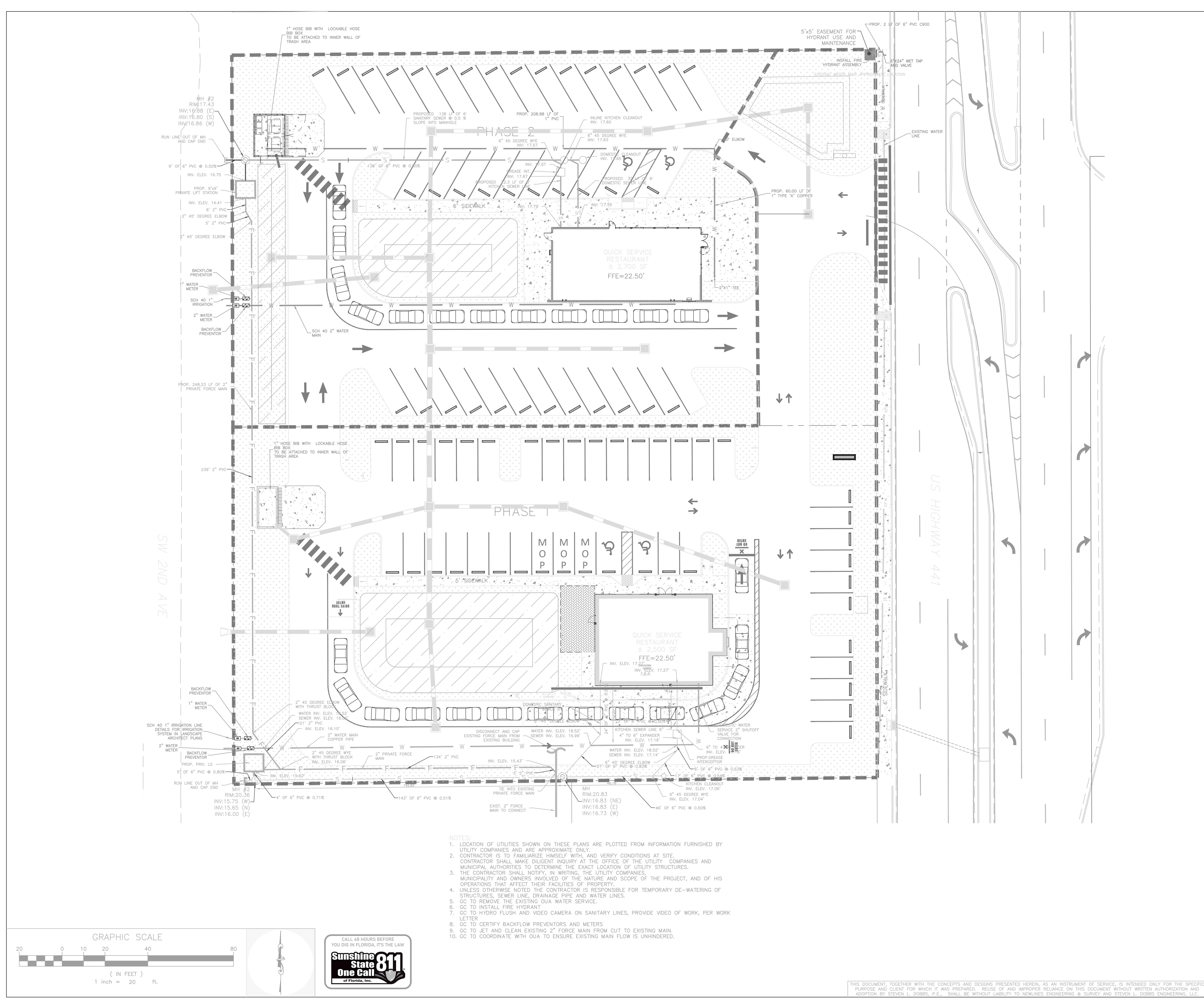
FLORIDA PROFESSIONAL ENGINEER LICENSE NO. 48134

2605 HWY 441 S HOLDINGS LLC

SEC. 28, TOWNSHIP 35 SOUTH, RANGE 25 EAST

OKEECHOBEE CITY, FLORIDA

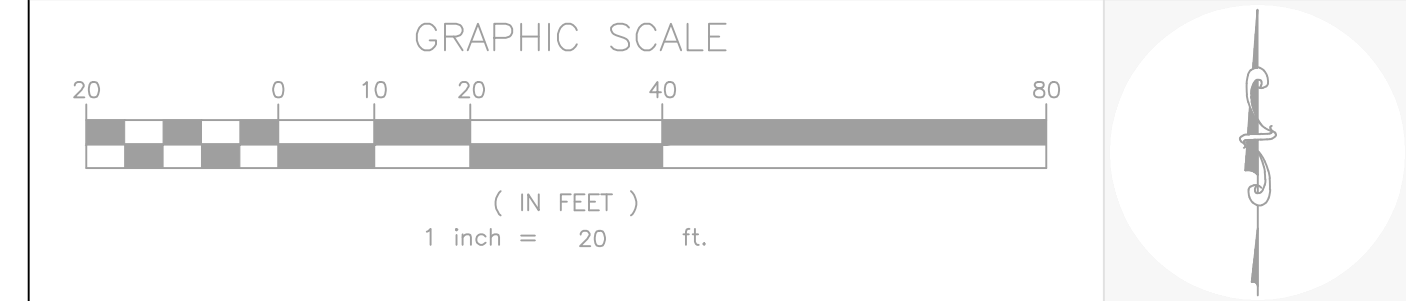
DATE



OUA CONTACT
JOHN HAYFORD
OKEECHOBEE UTILITY AUTHORITY
863-763-9460
JHAYFORD@OUAFL.COM

- LEGEND:**
- PROPOSED FIRE HYDRANT
 - PROPOSED SANITARY CLEANOUT
 - PROPOSED SANITARY MANHOLE
 - S — PROPOSED SANITARY LATERAL
 - EX S — EXISTING SANITARY LATERAL OR MAIN
 - PROPOSED WATER METER
 - W — EXISTING WATER LATERAL OR MAIN
 - EX W — EXISTING WATER LATERAL OR MAIN
 - EXISTING BURIED CABLE

- NOTES:**
- LOCATION OF UTILITIES SHOWN ON THESE PLANS ARE PLOTTED FROM INFORMATION FURNISHED BY UTILITY COMPANIES AND ARE APPROXIMATE ONLY.
 - CONTRACTOR IS TO FAMILIARIZE HIMSELF WITH, AND VERIFY CONDITIONS AT SITE. CONTRACTOR SHALL MAKE DILIGENT INQUIRY AT THE OFFICE OF THE UTILITY COMPANIES AND MUNICIPAL AUTHORITIES TO DETERMINE THE EXACT LOCATION OF UTILITY STRUCTURES.
 - THE CONTRACTOR SHALL NOTIFY, IN WRITING, THE UTILITY COMPANIES, MUNICIPALITY AND OWNERS INVOLVED OF THE NATURE AND SCOPE OF THE PROJECT, AND OF HIS OPERATIONS THAT AFFECT THEIR FACILITIES OF PROPERTY.
 - UNLESS OTHERWISE NOTED THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY DE-WATERING OF STRUCTURES, SEWER LINE, DRAINAGE PIPE AND WATER LINES.
 - GC TO REMOVE THE EXISTING OUA WATER SERVICE.
 - GC TO INSTALL FIRE HYDRANT
 - GC TO HYDRO FLUSH AND VIDEO CAMERA ON SANITARY LINES, PROVIDE VIDEO OF WORK, PER WORK LETTER
 - GC TO CERTIFY BACKFLOW PREVENTORS AND METERS
 - GC TO JET AND CLEAN EXISTING 2" FORCE MAIN FROM CUT TO EXISTING MAIN.
 - GC TO COORDINATE WITH OUA TO ENSURE EXISTING MAIN FLOW IS UNHINDERED.

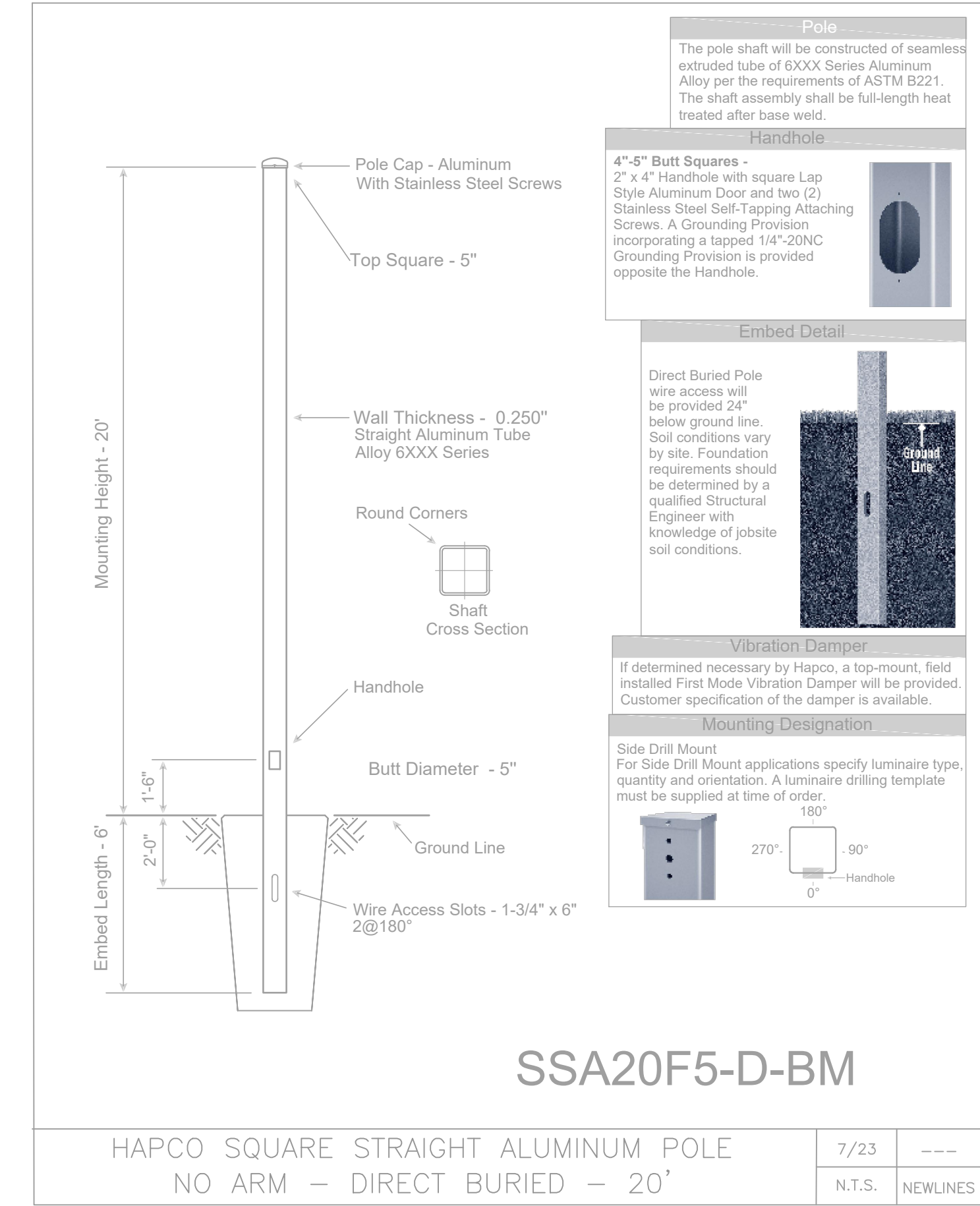


THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADOPTION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.

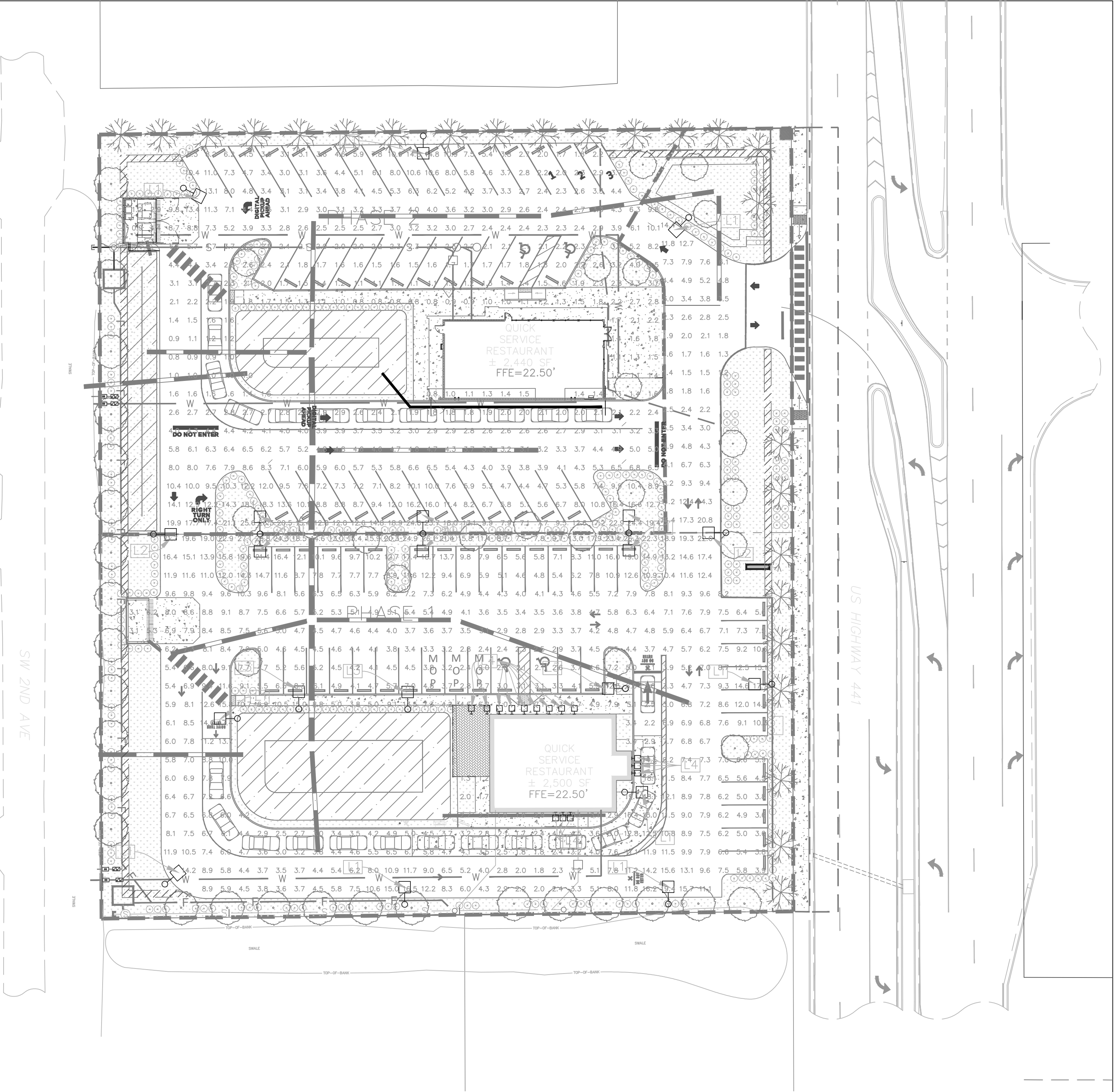
#1	08-15-2025	CHPOTILE UPDATES	SJD	SJD
#2	04-02-2025	REV. PER FDOT COMMENTS DATED 03-06-2025	JT	PCD
#3	02-29-2025	REV. PER FDOT COMMENTS DATED 02-17-2025	JT	PCD
#4	02-03-2025	REV. PER FDOT COMMENTS DATED 01-30-2025	JT	PCD
#0	DATE	DESCRIPTION	ENG	CAD
STEVEN L. DOBBS, P.E.				
209 NE 2nd Street Okeechobee, Florida 34974 S.D. Phone (863) 824-7644 Newlines Phone (732) 984-6591 Florida@newlinesco.com			SJD NEWLINES LAND CONSULTANTS ENGINEERING • SOILS	
UTILITY & IRRIGATION PLAN			PROJECT NO. FL23001	
2605 HWY 441 S HOLDINGS LLC			ENGINEER JB	
SEC. 28, TOWNSHIP 35 SOUTH, RANGE 29 EAST			DRAFTER PDCDB	
OKEECHOBEE CITY, FLORIDA			MANAGER EW	
DATE 2025-08-15			SCALE 1" = 20'	
SHEET 6 OF 29			DATE 2025-08-15	

LIGHTING SCHEDULE

CALLOUT	MANUFACTURER	MODEL	#	MOUNTING	HEIGHT	VOLTAGE	QUANTITY	DESC
L1	RAB LIGHTING	A22-4T320Y	a22-320-250w-3000k-4t_ntclr24040025.ies	POLE	19'6"	120V	15	TYPE IV. 35,905 LUMEN. 3000K COLOR TEMP.
L2	RAB LIGHTING	A22-2T150W	a22-150-150w-3000k-2t_ntclr24040003.ies	POLE	19'6"	120V	2	TYPE II. 21,331 LUMEN. 3000K COLOR TEMP.
L3	RAB LIGHTING	A22-4T70Y	a22-70-50w-3000k-4t_ntclr24030237.ies	POLE	120"	120V	3	TYPE IV. 7,885 LUMEN. 3000K COLOR TEMP.
L4	LITHONIA LIGHTING	WST-LED	WST LED P1 30K VW MVOLT DS.ies	WALL	10'	120-277V	15	TYPE IV. 1,500 LUMEN. 3000K COLOR TEMP.



PARKING AND SITE CALC AREA	
AVERAGE FOOT-CANDLES	7.44
MAXIMUM FOOT-CANDLES	28.8
MINIMUM FOOT-CANDLES	1.2
MINIMUM TO MAXIMUM FC RATIO	0.04
MAXIMUM TO MINIMUM FC RATIO	23.98
AVERAGE TO MINIMUM FC RATIO	6.20



STUDIO Three Twenty One Architectural Lighting Design

WST LED Architectural Wall Sconce

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency.
- This luminaire is A+ Certified when ordered with DTL controls marked by a **shaded background**. DTL equipped luminaires meet the A+ specification for luminaire to photometric interoperability!
- This luminaire is part of an A+ Certified solution for ROAM® or XPaint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a **shaded background**.

To learn more about A+, visit www.acuitybrands.com/aplus.

See ordering tree for details.

A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately. [Link to Roams Link to DTL DTL](#)

Specifications Luminaire

Height: 8-1/2" (21.59 cm)

Width: 17" (43.18 cm)

Depth: 10-3/16" (26.17 cm)

Weight: 20 lbs (9.1 kg)

Optional Back Box (PBBW)

Height: 8.49" (21.56 cm)

Width: 17.01" (43.21 cm)

Depth: 1.70" (4.32 cm)

Optional Back Box (BBW)

Height: 4" (10.16 cm)

Width: 5-1/2" (14.01 cm)

Depth: 1-1/2" (3.81 cm)

21223 LED SECURITY LIGHT WST - SILVER - 1500LM FORWARD

21224 LED SECURITY LIGHT WST - SILVER - 1500LM WIDE

21225 LED SECURITY LIGHT WST - SILVER - 3000LM FORWARD

21226 LED SECURITY LIGHT WST - SILVER - 3000LM WIDE

21227 LED SECURITY LIGHT WST - BLACK - 1500LM FORWARD

21228 LED SECURITY LIGHT WST - BLACK - 1500LM WIDE

21229 LED SECURITY LIGHT WST - BLACK - 3000LM FORWARD

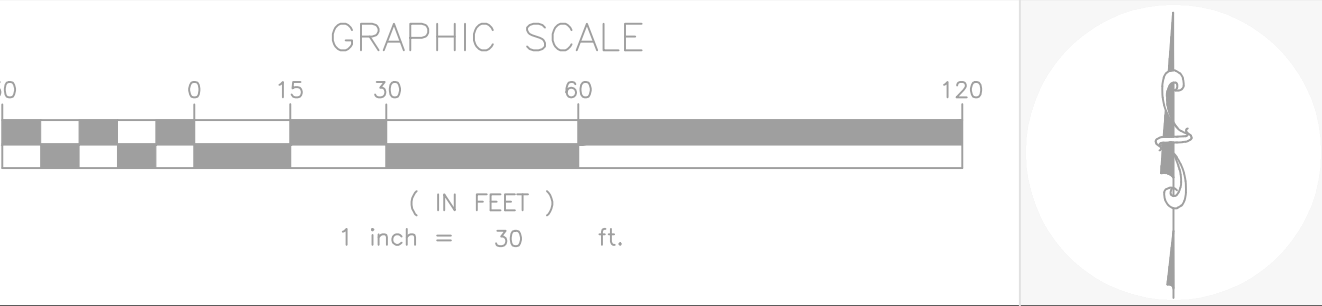
21230 LED SECURITY LIGHT WST - BLACK - 3000LM WIDE

21231 LED SECURITY LIGHT WST - DARK BRONZE - 1500LM FORWARD

21232 LED SECURITY LIGHT WST - DARK BRONZE - 1500LM WIDE

21233 LED SECURITY LIGHT WST - DARK BRONZE - 3000LM FORWARD

21234 LED SECURITY LIGHT WST - DARK BRONZE - 3000LM WIDE



NOTE: PHOTOMETRIC DATA DOES NOT ACCOUNT FOR ALL BUILDING LIGHTS SPECIFIED BY ARCHITECT.

- NOTES**
- CONTRACTOR SHALL FIELD VERIFY ALL POLE/FIXTURE LOCATIONS IN ORDER TO ACCOMMODATE ALL UTILITIES.
 - ALL LIGHTING SHALL RECEIVE UNDERGROUND ELECTRICAL SERVICE.
 - PHOTOMETRIC PATTERNS ARE MADE USING ACCEPTED PROCEDURES OF THE ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA. VARIATIONS IN LAMP OUTPUT, BALLAST OUTPUT, LINE VOLTAGE AND DIRT DEPRECIATION MAY AFFECT ACTUAL RESULTS.
 - LIGHTING SHALL BE INSTALLED AND MAINTAINED BY PROPERTY OWNER.
 - A MINIMUM OF 5' SHALL BE PROVIDED BETWEEN ALL STREET LIGHT POLES/PROPOSED TREES AND ALL WATER AND SANITARY SEWER INFRASTRUCTURE.
 - LIGHT POLES/FIXTURES ON WEST SIDE OF PROPERTY TO USE SHIELDING TO REDUCE OFFSITE LIGHT POLLUTION TOWARD WEST NEIGHBORING PROPERTIES.

#1 08-15-2025	CHPOTILE UPDATES	SLD	SLD
#2 04-02-2025	REV. PER FDOT COMMENTS DATED 03-06-2025	JT	PCD
#3 02-20-2025	REV. PER FDOT COMMENTS DATED 02-17-2025	JT	PCD
#4 02-03-2025	REV. PER FDOT COMMENTS DATED 01-30-2025	JT	PCD
#0	DATE DESCRIPTION	ENG	CAD

STEVEN L. DOBBS, P.E.

209 NE 2nd Street
Okeechobee, Florida 34974
SLD Phone (863) 824-7644
Newlines Phone (732) 954-4500
Florida@newlinesco.com

ENGINEERING • SOILS

PROJECT NO. FL23001

ENGINEER JB

DRAFTER PDC/DG

MANAGER EW

SCALE 1" = 30'

DATE 2025-08-19

SHEET 7 OF 29

FLORIDA PROFESSIONAL ENGINEER LICENSE NO. 48154

2605 HWY 441 S HOLDINGS LLC

SEC. 28, TOWNSHIP 35 SOUTH, RANGE 25 EAST

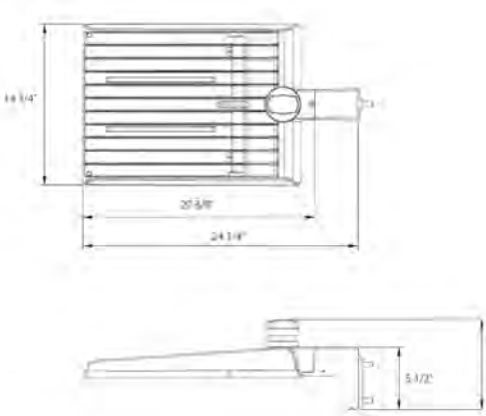
OKEECHOBEE CITY, FLORIDA

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADOPTION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.

A22-4T320Y

RAB

Dimensions



Features

- DLC Premium listed
- Luna Listed
- Non-Adjustable Universal Pole Mount
- 7-Pin Receptacle with Shorting Cap
- IP66 Rated
- 100,000-Hour LED Lifespan
- 5-Year, limited warranty

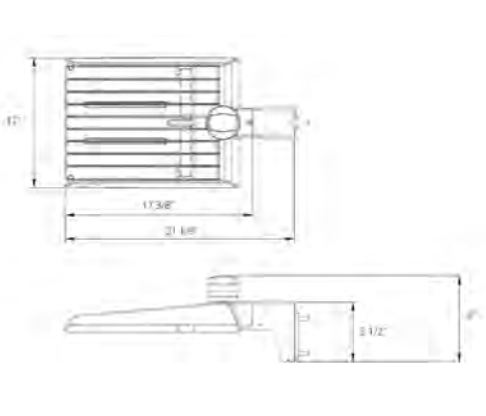
Ordering Matrix

Family	Optics	Wattage	Mounting	Color Temp	Finish	Driver	Options
A22	-	4T	320	Blank	Y		
<p>2T = Type II 4T = Type IV 5T = Type V Blank = Type III</p> <p>70 = 70/60/50W 100 = 100/80/60W 150 = 150/120/100W 200 = 200/180/160W 320 = 320/280/250W</p> <p>Blank = Universal Adjustable Pole Mount Blank = Universal Non-Adjustable Pole Mount</p> <p>Blank = 3000/4000/5000K CCT Adjustable Y = 3000K</p> <p>Blank = Bronze W = White B = Black</p> <p>Blank = 120/277V, 0-10V Dimming /480 = 480V, 0-10V Dimming</p> <p>Blank = 7-Pin Receptacle with Shorting Cap /MVS = 7-Pin Receptacle with Shorting Cap and Microwave Motion Sensor</p> <p>/LCBS = Lightcloud Blue Enabled w/RR Sensor /LCBS/MVS = Lightcloud Blue Enabled w/MVS Sensor</p>							

A22-2T150Y

RAB

Dimensions



Features

- DLC Premium listed
- Luna Listed
- Non-Adjustable Universal Pole Mount
- 7-Pin Receptacle with Shorting Cap
- IP66 Rated
- 100,000-Hour LED Lifespan
- 5-Year, limited warranty

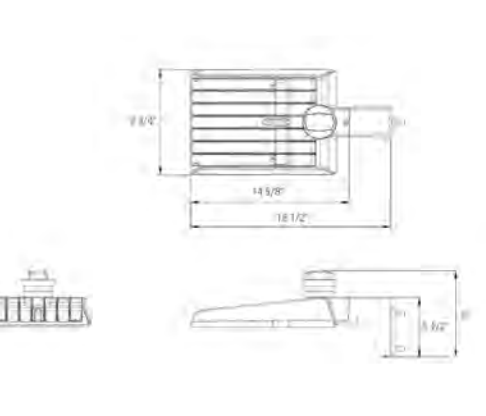
Ordering Matrix

Family	Optics	Wattage	Mounting	Color Temp	Finish	Driver	Options
A22	-	2T	150	Blank	Y		
<p>2T = Type II 4T = Type IV 5T = Type V Blank = Type III</p> <p>70 = 70/60/50W 100 = 100/80/60W 150 = 150/120/100W 200 = 200/180/160W 320 = 320/280/250W</p> <p>Blank = Universal Adjustable Pole Mount Blank = Universal Non-Adjustable Pole Mount</p> <p>Blank = 3000/4000/5000K CCT Adjustable Y = 3000K</p> <p>Blank = Bronze W = White B = Black</p> <p>Blank = 120/277V, 0-10V Dimming /480 = 480V, 0-10V Dimming</p> <p>Blank = 7-Pin Receptacle with Shorting Cap /MVS = 7-Pin Receptacle with Shorting Cap and Microwave Motion Sensor</p> <p>/LCBS = Lightcloud Blue Enabled w/RR Sensor /LCBS/MVS = Lightcloud Blue Enabled w/MVS Sensor</p>							

A22-4T70Y

RAB

Dimensions



Features

- DLC Premium listed
- Luna Listed
- Non-Adjustable Universal Pole Mount
- 7-Pin Receptacle with Shorting Cap
- IP66 Rated
- 100,000-Hour LED Lifespan
- 5-Year, limited warranty

Ordering Matrix

Family	Optics	Wattage	Mounting	Color Temp	Finish	Driver	Options
A22	-	4T	70	Blank	Y		
<p>2T = Type II 4T = Type IV 5T = Type V Blank = Type III</p> <p>70 = 70/60/50W 100 = 100/80/60W 150 = 150/120/100W 200 = 200/180/160W 320 = 320/280/250W</p> <p>Blank = Universal Adjustable Pole Mount Blank = Universal Non-Adjustable Pole Mount</p> <p>Blank = 3000/4000/5000K CCT Adjustable Y = 3000K</p> <p>Blank = Bronze W = White B = Black</p> <p>Blank = 120/277V, 0-10V Dimming /480 = 480V, 0-10V Dimming</p> <p>Blank = 7-Pin Receptacle with Shorting Cap /MVS = 7-Pin Receptacle with Shorting Cap and Microwave Motion Sensor</p> <p>/LCBS = Lightcloud Blue Enabled w/RR Sensor /LCBS/MVS = Lightcloud Blue Enabled w/MVS Sensor</p>							

A22-4T320Y

RAB



Color: Bronze

Weight: 15.8 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant	Watts	320/280/250W
120V	2.66A/2.33A/2.08A	Color Temp	3000K
208V	1.53A/1.34A/1.20A	Color	82 CRI
240V	1.33A/1.16A/1.04A	Color Accuracy	L70
277V	1.15A/1.01A/0.90A	Lifespan	100,000 Hours
Input Watts	306.8/277.1/246.8W	Lumens	42,833/39,466/35,905 lm
		Efficacy	139.6/142.4/145.5 lm/W

LED Info

Watts: 320/280/250W

Color Temp: 3000K

Color: 82 CRI

Color Accuracy: L70

Lifespan: 100,000 Hours

Lumens: 42,833/39,466/35,905 lm

Efficacy: 139.6/142.4/145.5 lm/W

A22-2T150Y

RAB



Color: Bronze

Weight: 13.0 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant	Watts	150/120/100W
120V	1.25A/1.00A/0.83A	Color Temp	3000K
208V	0.72A/0.58A/0.48A	Color	81 CRI
240V	0.63A/0.50A/0.43A	Color Accuracy	L70
277V	0.54A/0.43A/0.36A	Lifespan	100,000 Hours
Input Watts	138.7/111.3/95.2W	Lumens	21,688/17,953/15,630 lm
		Efficacy	156.4/161.3/164.2 lm/W

LED Info

Watts: 150/120/100W

Color Temp: 3000K

Color: 81 CRI

Color Accuracy: L70

Lifespan: 100,000 Hours

Lumens: 21,688/17,953/15,630 lm

Efficacy: 156.4/161.3/164.2 lm/W

A22-4T70Y

RAB



Color: Bronze

Weight: 11.2 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant	Watts	70/60/50W
120V	0.58A/0.50A/0.41A	Color Temp	3000K
208V	0.33A/0.29A/0.24A	Color Accuracy	83 CRI
240V	0.29A/0.25A/0.21A	Lifespan	100,000 Hours
277V	0.25A/0.22A/0.18A	Lumens	10,983/9,542/7,885 lm
Input Watts	66.8/57.7/47.2W	Efficacy	162.6/165.4/167.1 lm/W

LED Info

Watts: 70/60/50W

Color Temp: 3000K

Color Accuracy: 83 CRI

Lifespan: 100,000 Hours

Lumens: 10,983/9,542/7,885 lm

Efficacy: 162.6/165.4/167.1 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:
Field Adjustable Light Output:
320W/280W/250W (factory default: 320W)

Compliance

UL Listed:
Suitable for wet locations. Suitable for mounting within 4ft (1.2m) of the ground.

IESNA LM-79 & LM-80 Testing:
This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC S.1 requirements.
DLC Product Code: S-19W1YF

IP Rating:
Ingress protection rating of IP66 for dust and water

DLC Listed:
This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC S.1 requirements.
DLC Product Code: S-19W1YF

LUNA:
This product has received the Design Lights Consortium's LUNA listing for 3000K Models. Designed to meet LUNA S.1 requirements.
LUNA Product Code: S-19W1YF

Performance

Lifespan:
100,000-Hour LED Lifespan based on IES LM-80 results and TM-21 calculations

THD:
4.58% at 120V, 7.31% at 277V

Wattage Equivalency:
320W: Replaces up to 1,000W Metal Halide (MH) or 750W High Pressure Sodium (HPS)
280W: Replaces up to 1,000W Metal Halide (MH) or 600W High Pressure Sodium (HPS)
250W: Replaces up to 750W Metal Halide (MH) or 600W High Pressure Sodium (HPS)

Electrical

Driver:
Constant Current, Class 1, 120-277V, 50/60 Hz:
320W: 120V: 2.66A, 208V: 1.53A, 240V: 1.33A, 277V: 1.15A
280W: 120V: 2.33A, 208V: 1.34A, 240V: 1.16A, 277V: 1.01A
250W: 120V: 2.08A, 208V: 1.2A, 240V: 1.04A, 277V: 0.9A

Dimming Driver:
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

Power Factor:
99.9% at 120V, 97.9% at 277V

7-Pin Receptacle with Shorting Cap:
ANSI C136.41 7-pin receptacle, compatible with wireless control systems

Surge Protection:
6kV

Construction

IES Classification:
The Type IV distribution (also known as a Forward Throw) is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semicircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

Cold Weather Starting:
The minimum starting temperature is -40°C (-40°F)

Maximum Ambient Temperature:
Suitable for use in up to 40°C (104°F)

Lens:
Polycarbonate lens

Technical Specifications

Field Adjustability

Field Adjustable:
Field Adjustable Light Output:
150W/120W/100W (factory default: 150W)

Compliance

UL Listed:
Suitable for wet locations. Suitable for mounting within 4ft (1.2m) of the ground.

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

IP Rating:
Ingress protection rating of IP66 for dust and water

DLC Listed:
This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC S.1 requirements.
DLC Product Code: S-89PNSH

LUNA:
This product has received the Design Lights Consortium's LUNA listing for 3000K Models. Designed to meet LUNA S.1 requirements.
LUNA Product Code: S-89PNSH

Performance

Lifespan:
100,000-Hour LED Lifespan based on IES LM-80 results and TM-21 calculations

THD:
3.23% at 120V, 6.03% at 277V

Wattage Equivalency:
150W: Replaces up to 400W Metal Halide (MH) or 400W High Pressure Sodium (HPS)
120W: Replaces up to 400W Metal Halide (MH) or 310W High Pressure Sodium (HPS)
100W: Replaces up to 400W Metal Halide (MH) or 310W High Pressure Sodium (HPS)

Electrical

Driver:
Constant Current, Class 1, 120-277V, 50/60 Hz:
150W: 120V: 1.25A, 208V: 0.72A, 240V: 0.63A, 277V: 0.54A
120W: 120V: 1.0A, 208V: 0.58A, 240V: 0.5A, 277V: 0.43A
100W: 120V: 0.83A, 208V: 0.48A, 240V: 0.42A, 277V: 0.36A

Dimming Driver:
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

7-Pin Receptacle with Shorting Cap:
ANSI C136.41 7-pin receptacle, compatible with wireless control systems

Surge Protection:
6kV

Construction

IES Classification:
The Type II distribution is ideal for wide walkways, on ramps and entrance roadways, bike paths and other long and narrow lighting applications. This type is meant for lighting larger areas and usually is located near the roadside. This type of lighting is commonly found on smaller side streets or jogging paths.

Cold Weather Starting:
The minimum starting temperature is -40°C (-40°F)

Maximum Ambient Temperature:
Suitable for use in up to 40°C (104°F)

Lens:
Polycarbonate lens

Housing:
Die-cast aluminum

Technical Specifications

Field Adjustability

Field Adjustable:
Field Adjustable Light Output:
70W/60W/50W (factory default: 70W)

Compliance

UL Listed:
Suitable for wet locations. Suitable for mounting within 4ft (1.2m) of the ground.

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

IP Rating:
Ingress protection rating of IP66 for dust and water

DLC Listed:
This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC S.1 requirements.
DLC Product Code: S-M89N65

LUNA:
This product has received the Design Lights Consortium's LUNA listing for 3000K Models. Designed to meet LUNA S.1 requirements.
LUNA Product Code: S-M89N65

Performance

Lifespan:
100,000-Hour LED Lifespan based on IES LM-80 results and TM-21 calculations

THD:
4.02% at 120V, 8.95% at 277V

Wattage Equivalency:
70W: Replaces up to 350W Metal Halide (MH) or 200W High Pressure Sodium (HPS)
60W: Replaces up to 250W Metal Halide (MH) or 200W High Pressure Sodium (HPS)
50W: Replaces up to 200W Metal Halide (MH) or 150W High Pressure Sodium (HPS)

Electrical

Driver:
Constant Current, Class 1, 120-277V, 50/60 Hz:
70W: 120V: 0.58A, 208V: 0.33A, 240V: 0.29, 277V: 0.25A
60W: 120V: 0.50A, 208V: 0.29A, 240V: 0.25, 277V: 0.22A
50W: 120V: 0.41A, 208V: 0.24A, 240V: 0.21A, 277V: 0.18A

Dimming Driver:
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

Power Factor:
99.7% at 120V, 94% at 277V

7-Pin Receptacle with Shorting Cap:
ANSI C136.41 7-pin receptacle, compatible with wireless control systems

Surge Protection:
6kV

Construction

IES Classification:
The Type IV distribution (also known as a Forward Throw) is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semicircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

Cold Weather Starting:
The minimum starting temperature is -40°C (-40°F)

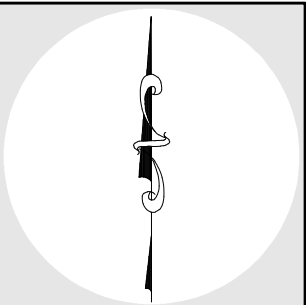
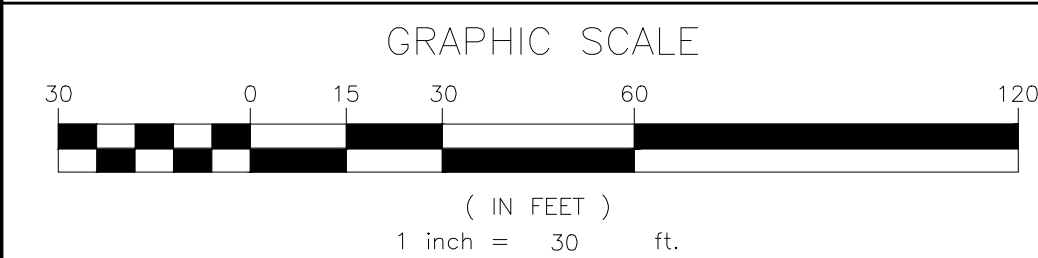
Maximum Ambient Temperature:
Suitable for use in up to 40°C (104°F)

Lens:
Polycarbonate lens

Need help? Tech help line: (888) 722-1000 Email: sales@rablighting.com Website: www.rablighting.com
Copyright © 2024 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice

Need help? Tech help line: (888) 722-1000 Email: sales@rablighting.com Website: www.rablighting.com
Copyright © 2024 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice

Need help? Tech help line: (888) 722-1000 Email: sales@rablighting.com Website: www.rablighting.com
Copyright © 2024 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice



THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADDITION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.

#	DATE	REV.	PER	FOOT	COMMENTS	DATED	JT	POC
#3	04-02-2025	REV.	PER	FOOT	COMMENTS	DATED	03-06-2025	JT POC
#2	02-20-2025	REV.	PER	FOOT	COMMENTS	DATED	02-17-2025	JT POC
#1	02-03-2025	REV.	PER	FOOT	COMMENTS	DATED	01-30-2025	JT POC
#0	DATE	DESCRIPTION					ENG	CAD

STEVEN L. DOBBS, P.E.

209 NE 2nd Street
Okeechobee, Florida 34974
S.L.D. Phone (863) 824-7644
Newlines Phone (732) 984-4000
Florida@newlinesco.com

ENGINEERING • SOILS

PROJECT NO. FL23001

ENGINEER JB

DRAFTER PDCDB

MANAGER EW

SCALE AS SHOWN

DATE 2025-05-30

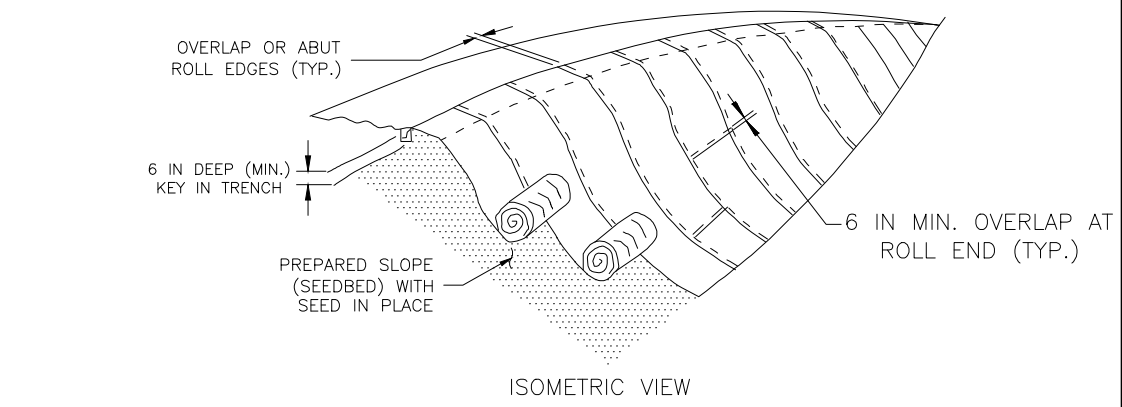
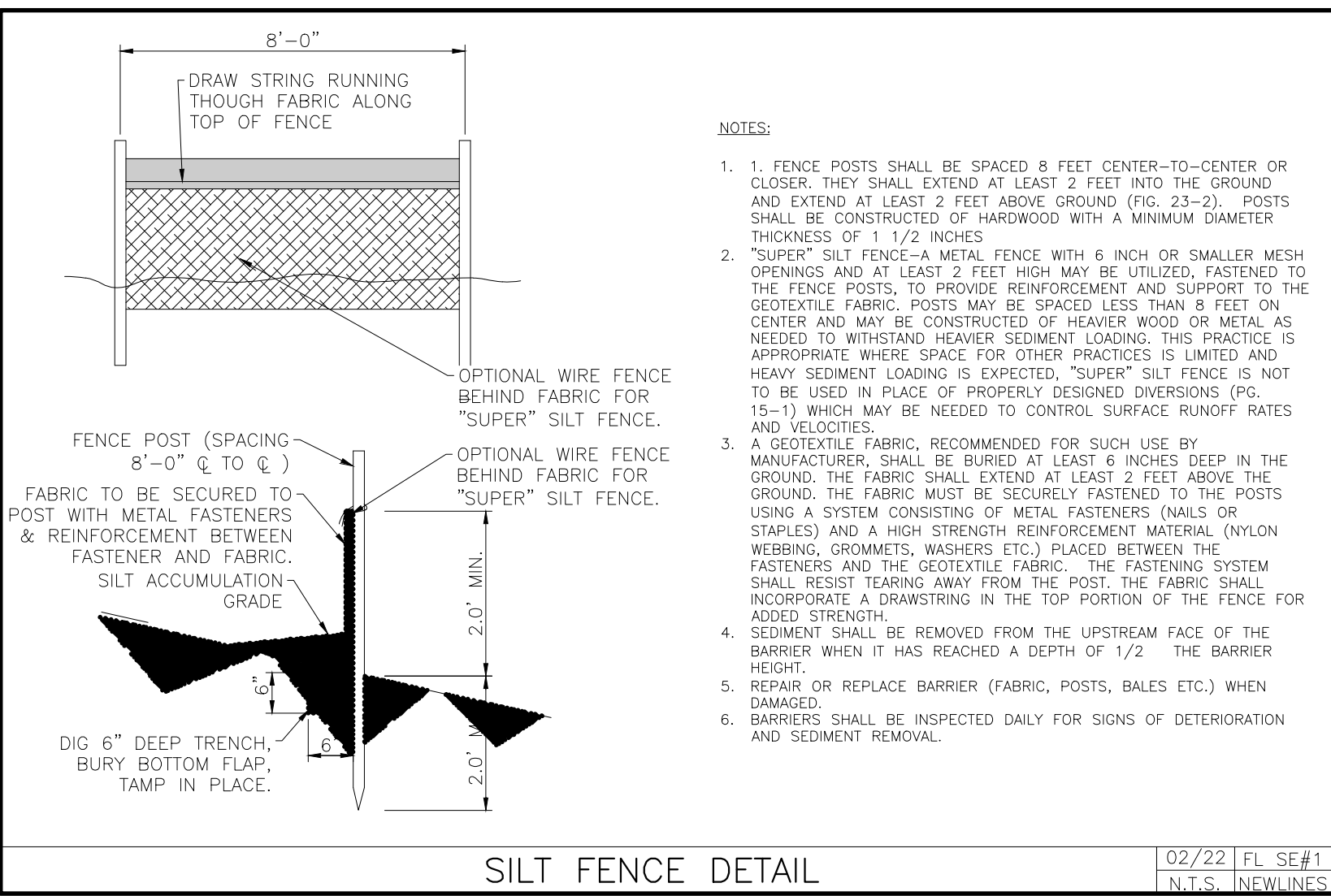
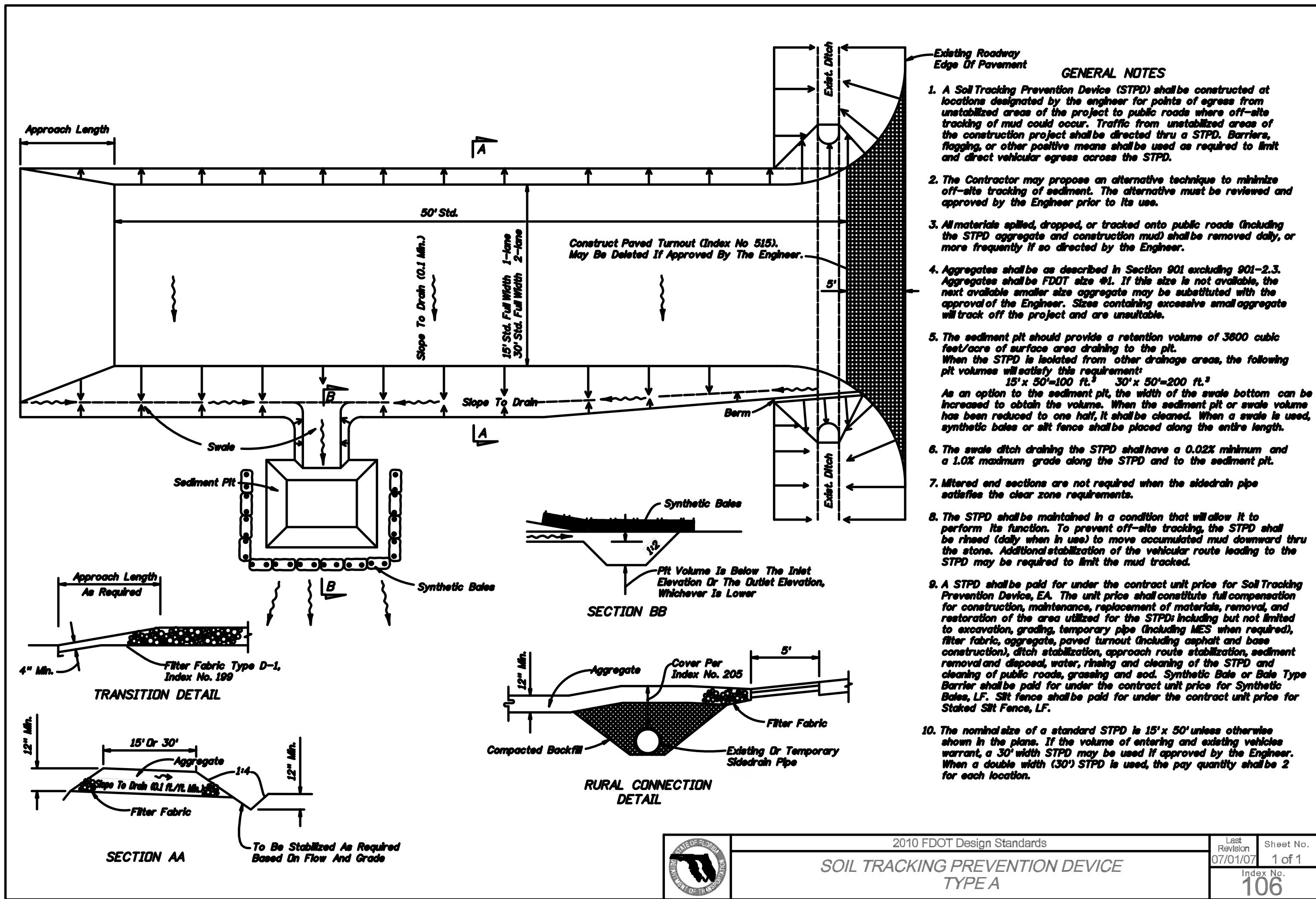
SHEET 8 OF 29

LIGHTING PLAN (2)

2605 HWY 441 S HOLDINGS LLC

SEC. 28, TOWNSHIP 35 SOUTH, RANGE 25 EAST

OKEECHOBEE CITY, FLORIDA



**TEMPORARY SOIL STABILIZATION
MATTING SLOPE DETAIL**

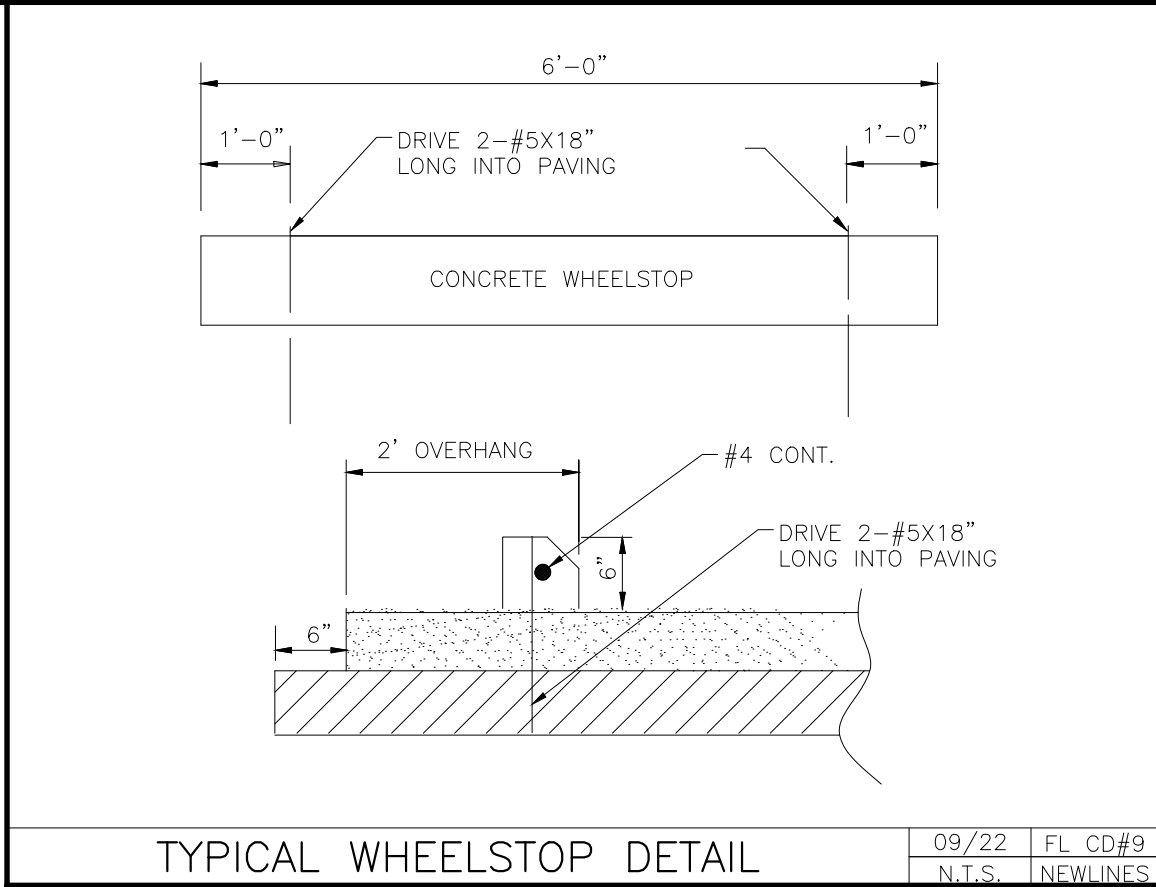
06/23 SE#11

N.T.S. NEWLINES

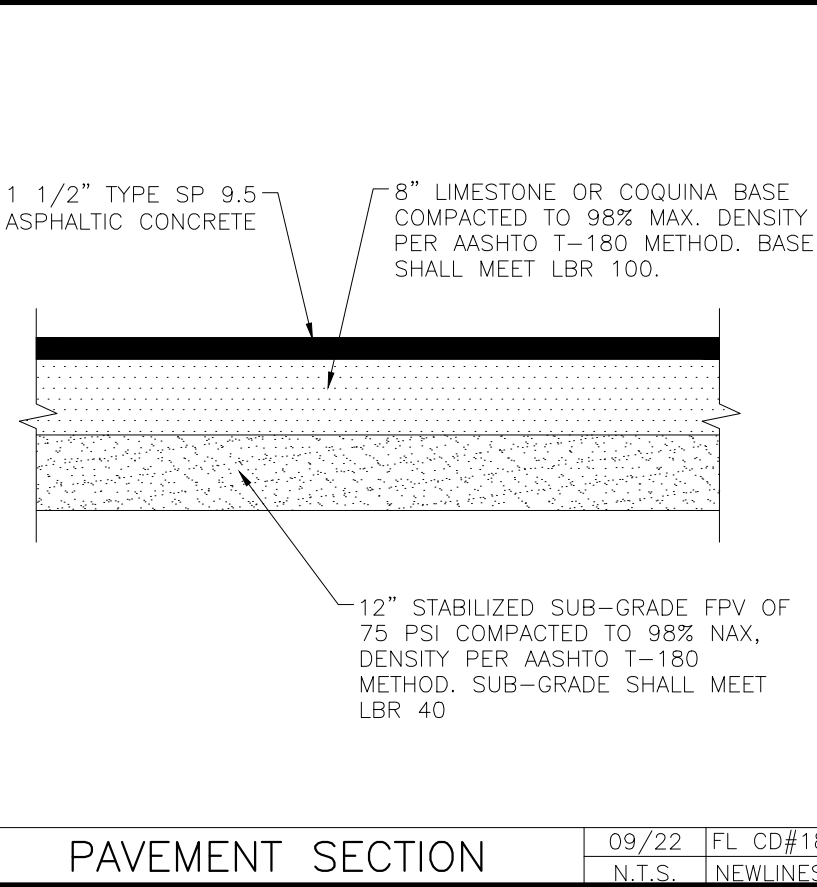
#3	04-02-2025	REV. PER FDOT COMMENTS DATED 03-06-2025	JT	POC
#2	02-20-2025	REV. PER FDOT COMMENTS DATED 02-17-2025	JT	POC
#1	02-03-2025	REV. PER FDOT COMMENTS DATED 01-30-2025	JT	POC
#0	DATE	DESCRIPTION	ENG	CAD

STEVEN L. DOBBS, P.E.	209 NE 2nd Street Okeechobee, Florida 34974 S.L.D. Phone (863) 824-7644 Newlines Phone (732) 984-4501 Florida@newlinesco.com
FLORIDA PROFESSIONAL ENGINEER LICENSE NO. 48134	209 NE 2nd Street Okeechobee, Florida 34974 S.L.D. Phone (863) 824-7644 Newlines Phone (732) 984-4501 Florida@newlinesco.com
DEMO DETAILS	PROJECT NO. FL23001
2605 HWY 441 S HOLDINGS LLC	ENGINEER JB
SEC. 28, TOWNSHIP 35 SOUTH, RANGE 25 EAST	DRAFTER PDCDB
OKEECHOBEE CITY, FLORIDA	MANAGER EW
	SCALE AS SHOWN
	DATE 2025-05-30
	SHEET 10 OF 29

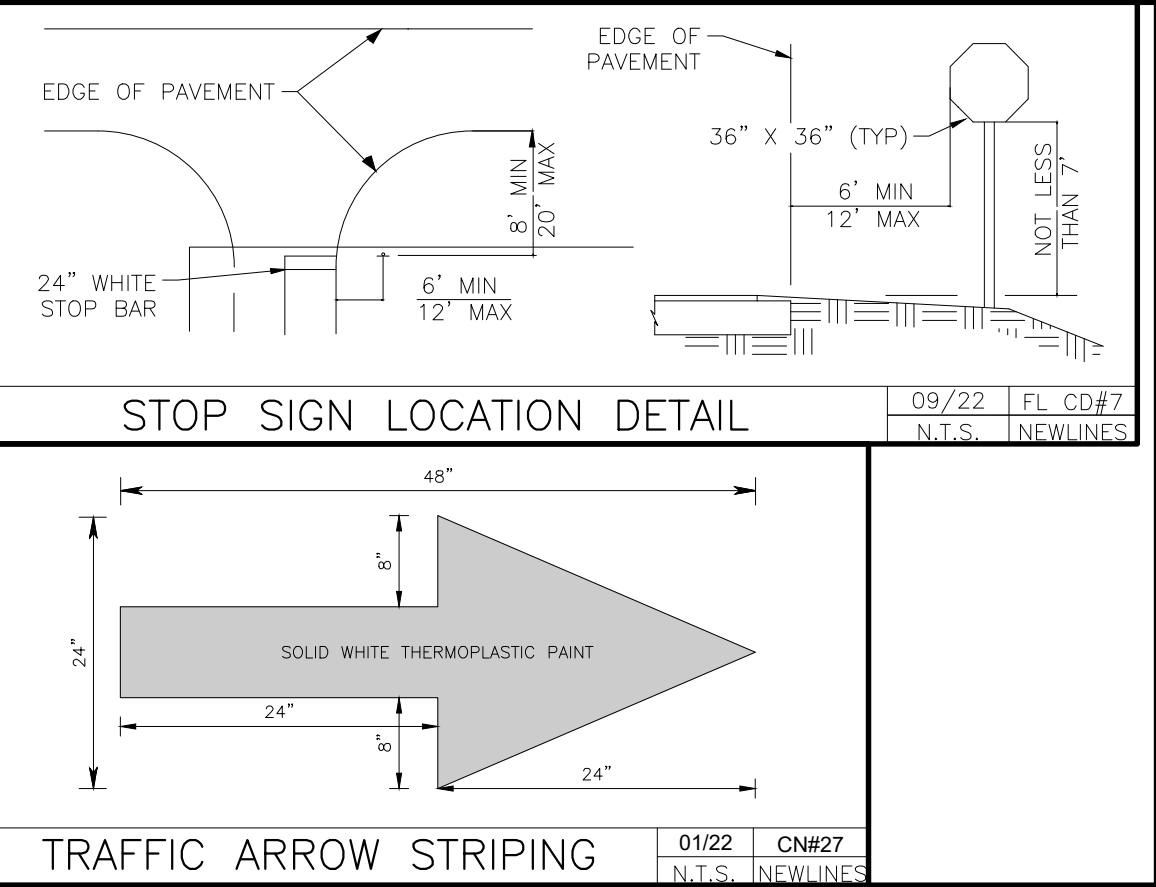
THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADDITION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.



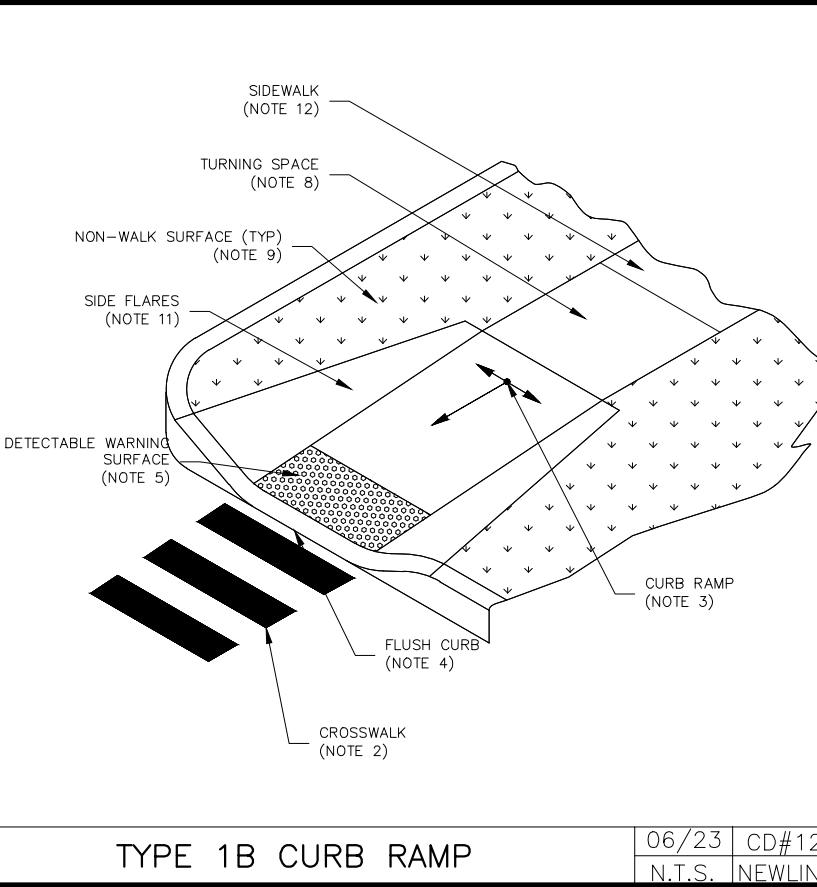
TYPICAL WHEELSTOP DETAIL 09/22 FL CD#9 N.T.S. NEWLINES



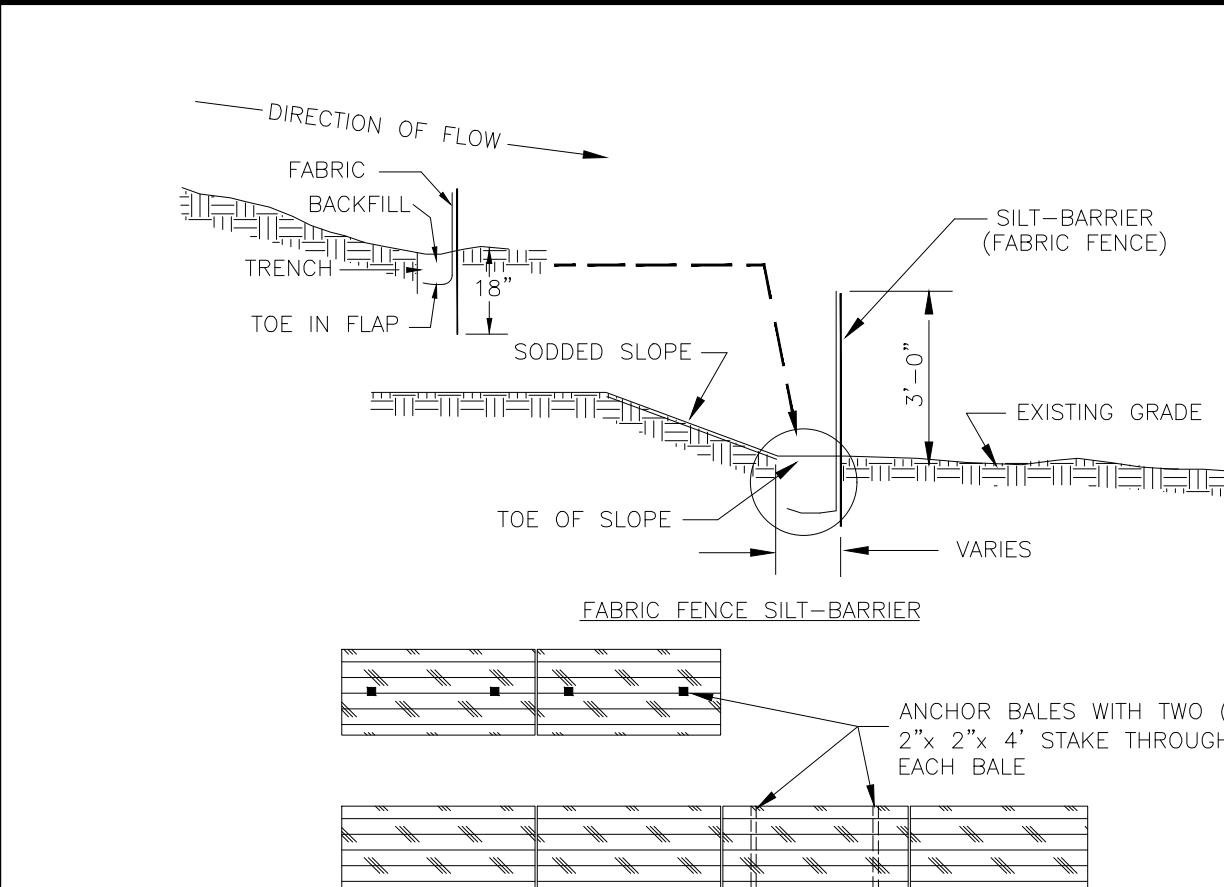
PAVEMENT SECTION 09/22 FL CD#18 N.T.S. NEWLINES



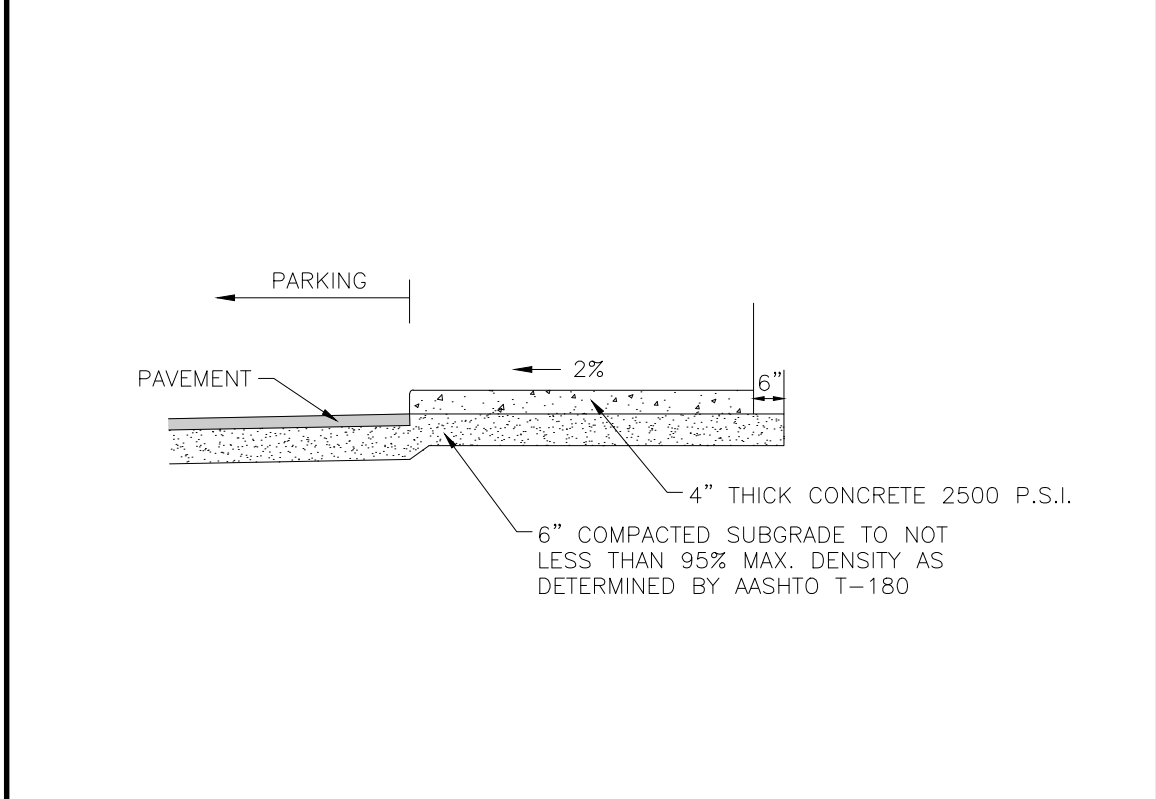
TRAFFIC ARROW STRIPING 01/22 CN#27 N.T.S. NEWLINES



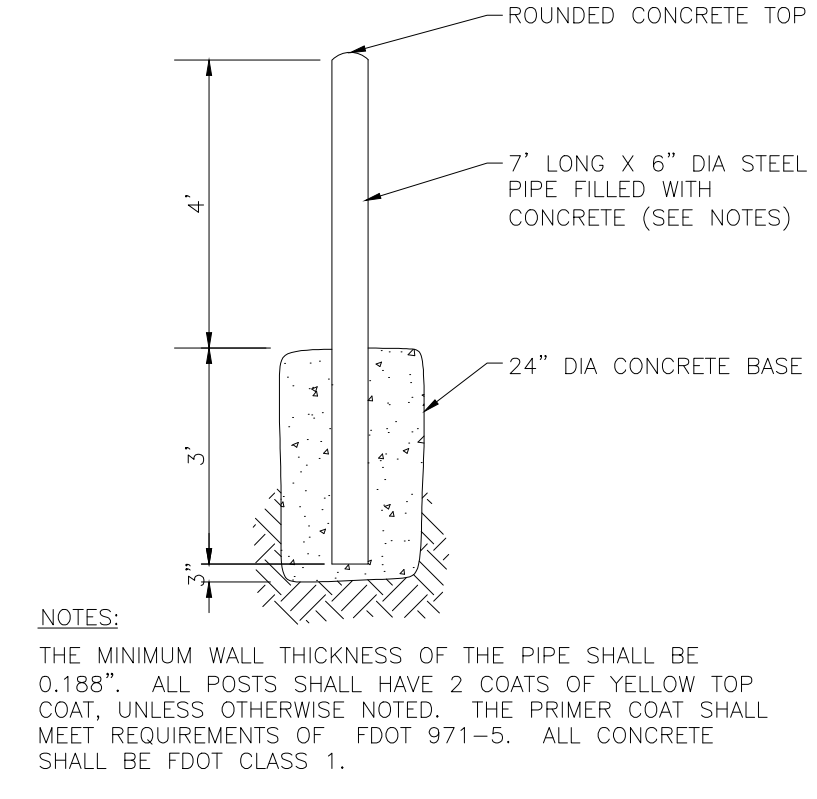
TYPE 1B CURB RAMP 06/23 CD#129 N.T.S. NEWLINES



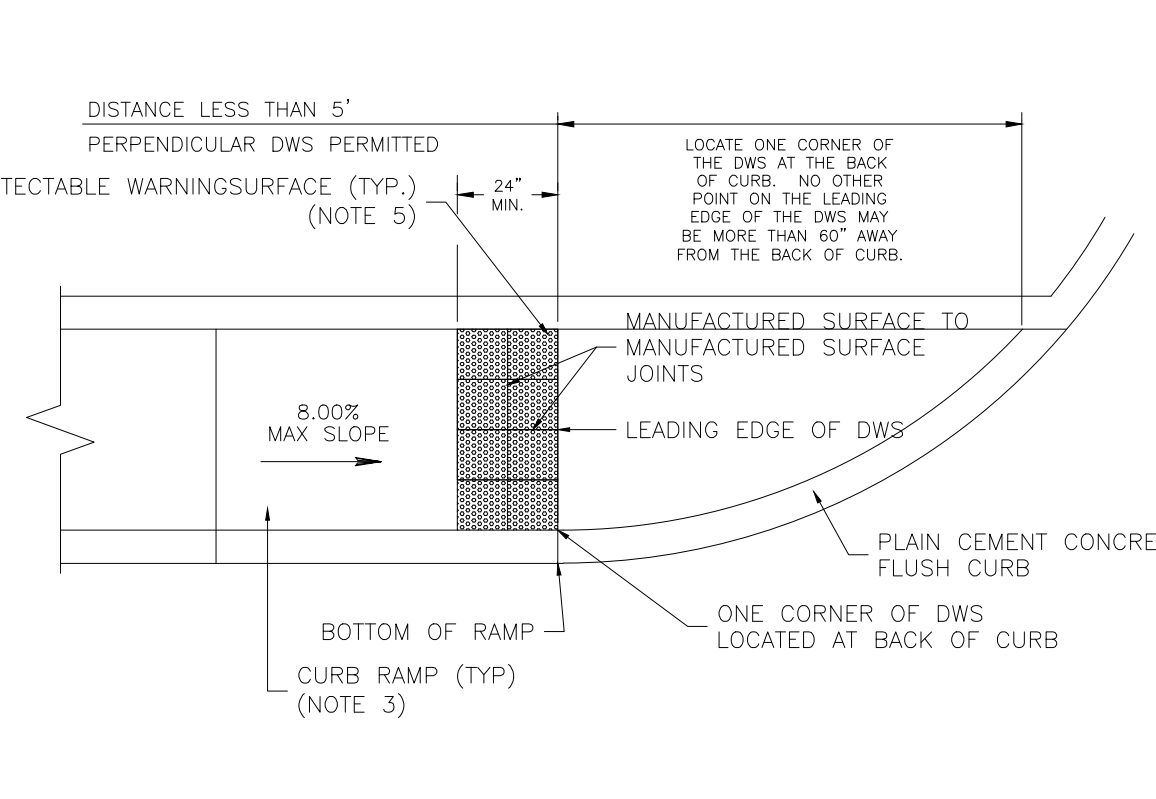
SILT FENCE DETAIL 09/22 FDOT D#4 N.T.S. NEWLINES



TYPICAL SIDEWALK DETAIL (AT PARKING) 09/22 FL CD#11 N.T.S. NEWLINES



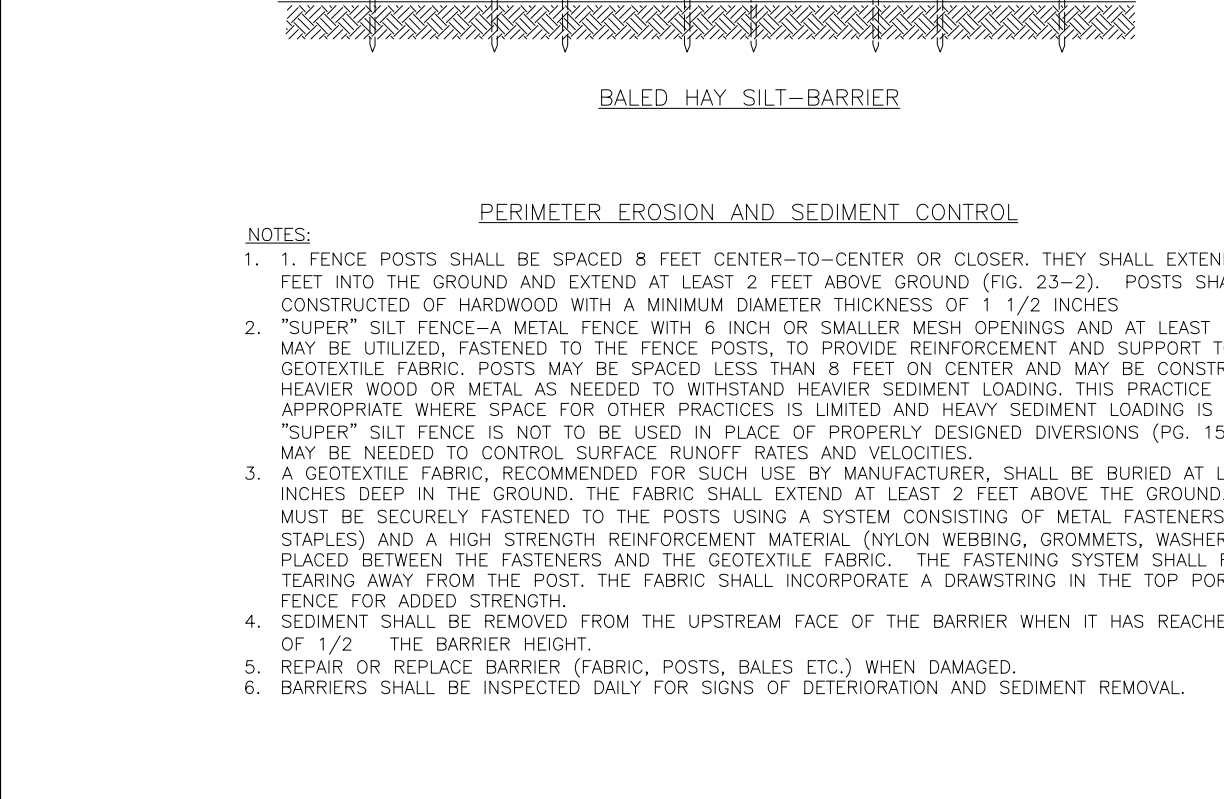
ROUND BOLLARD DETAIL 09/22 FL CD#3 N.T.S. NEWLINES



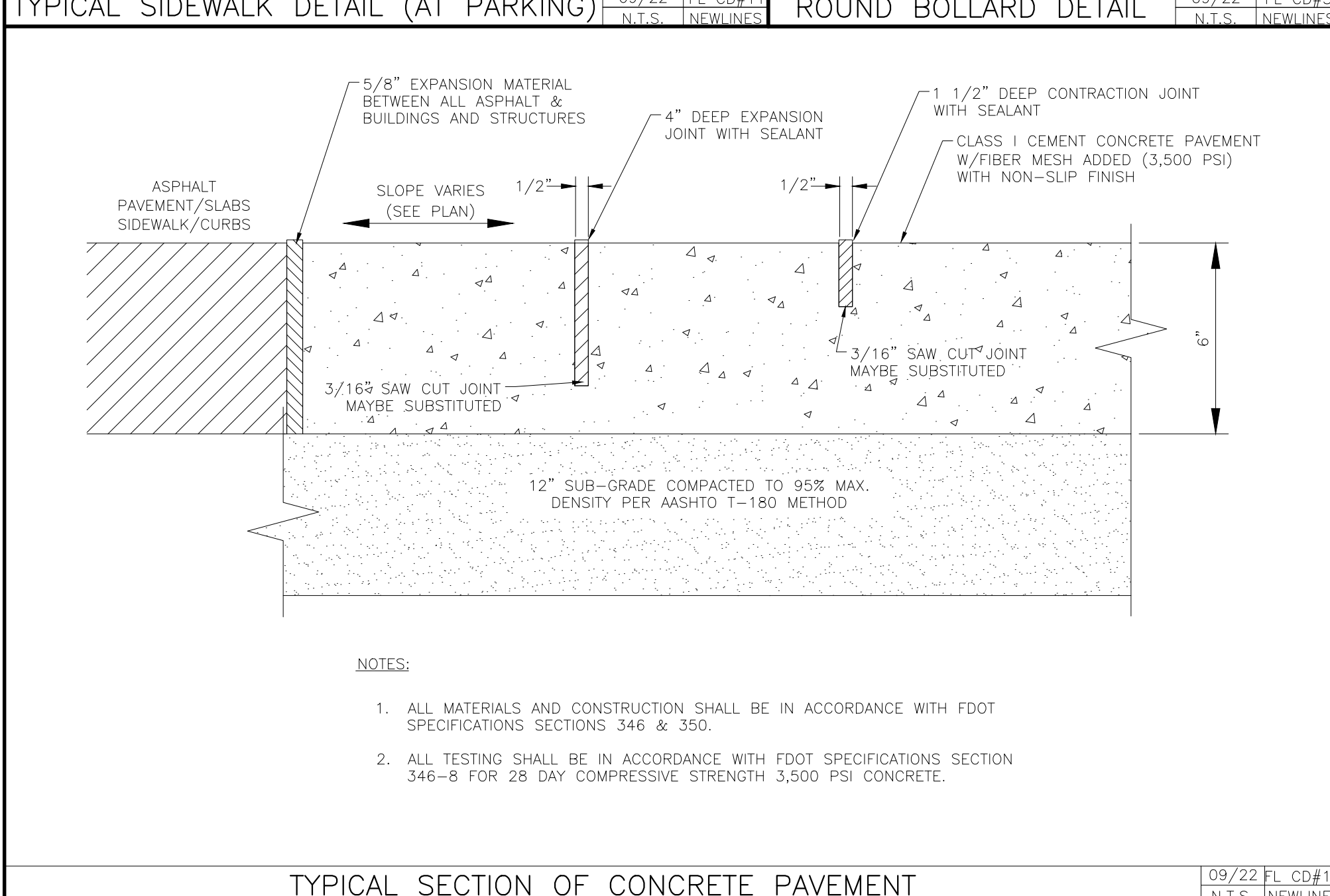
DETECTABLE WARNING SURFACE ON CURVED SURFACES 05/23 CD#126 N.T.S. NEWLINES



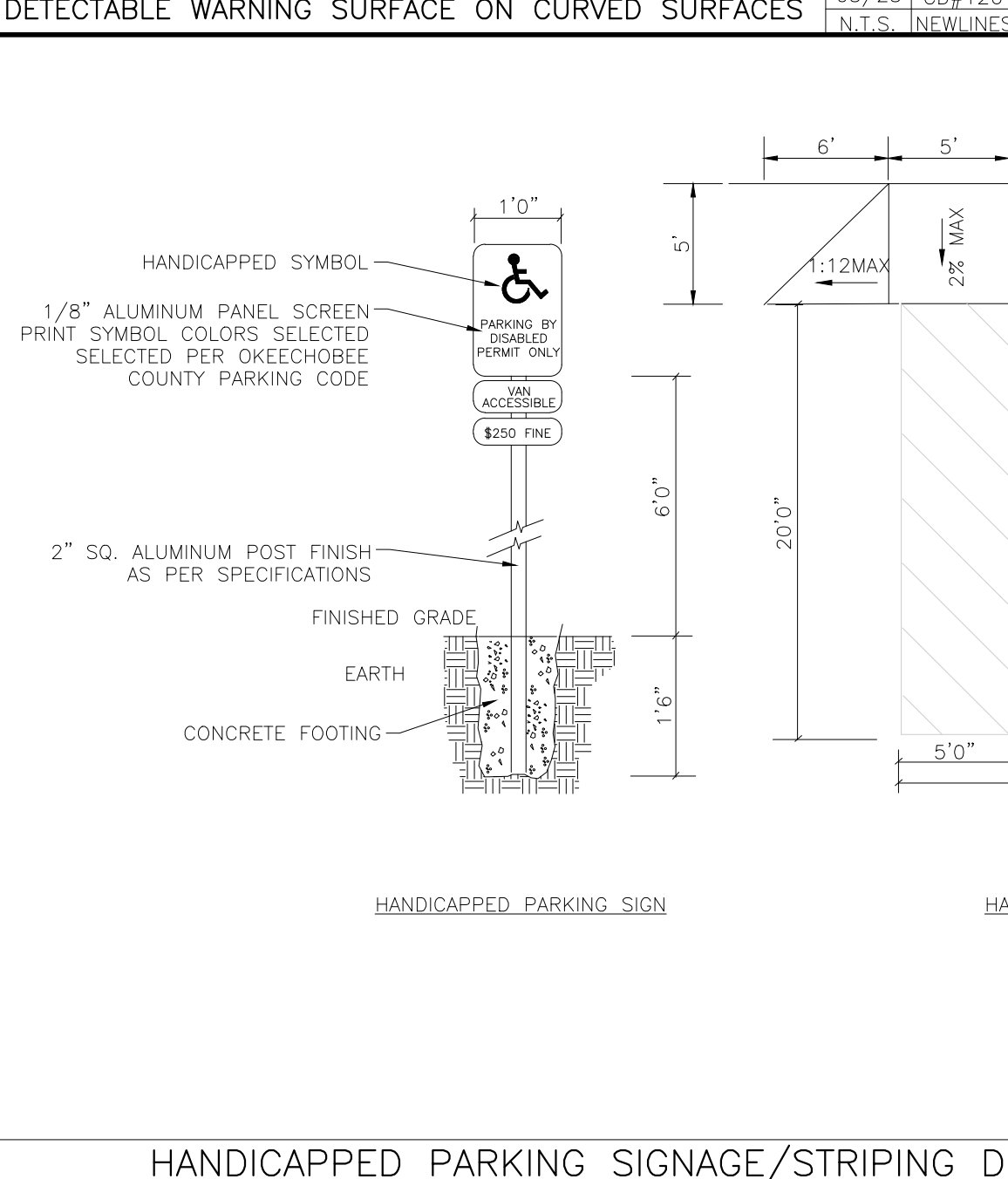
DO NOT ENTER (R5-1) 02/23 CD#102 N.T.S. NEWLINES



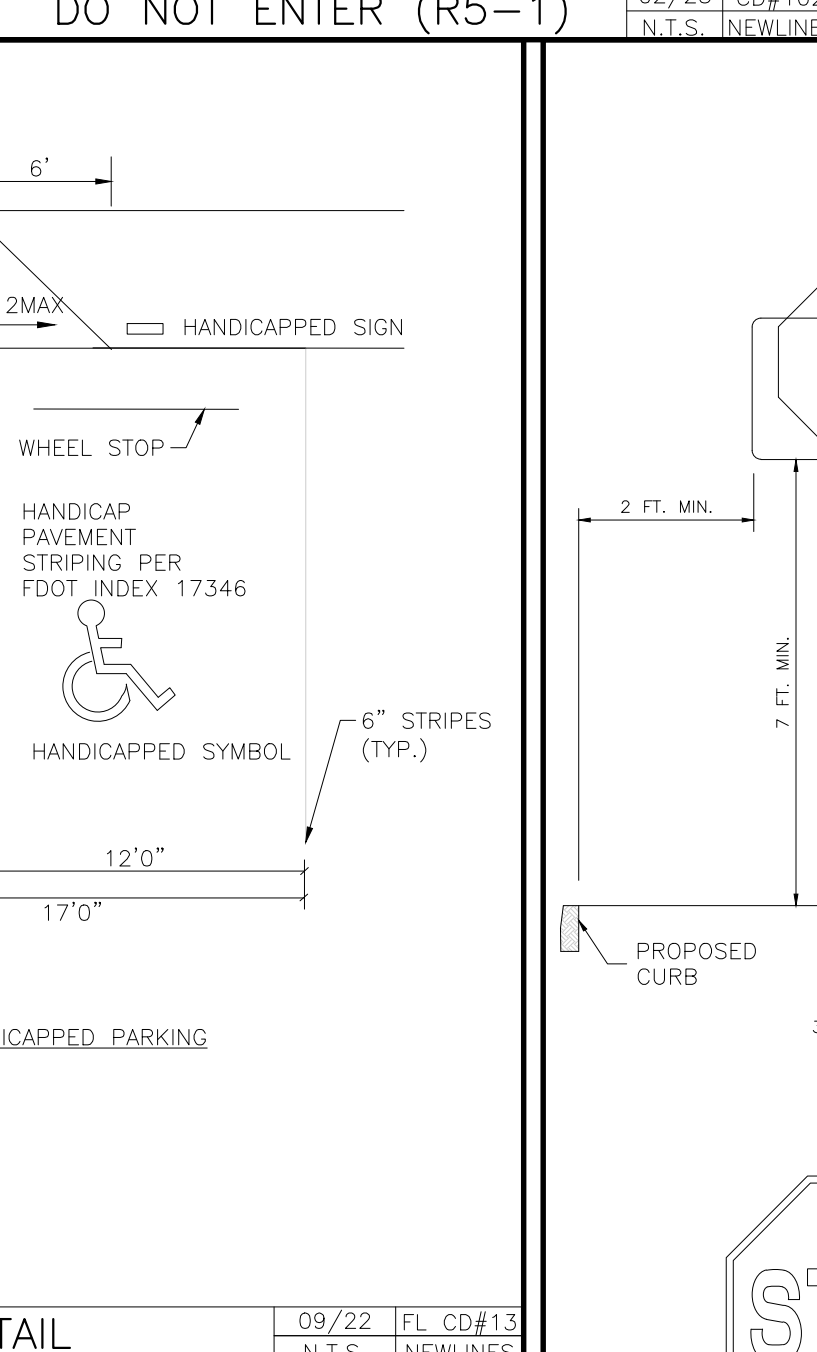
SILT FENCE DETAIL 09/22 FDOT D#4 N.T.S. NEWLINES



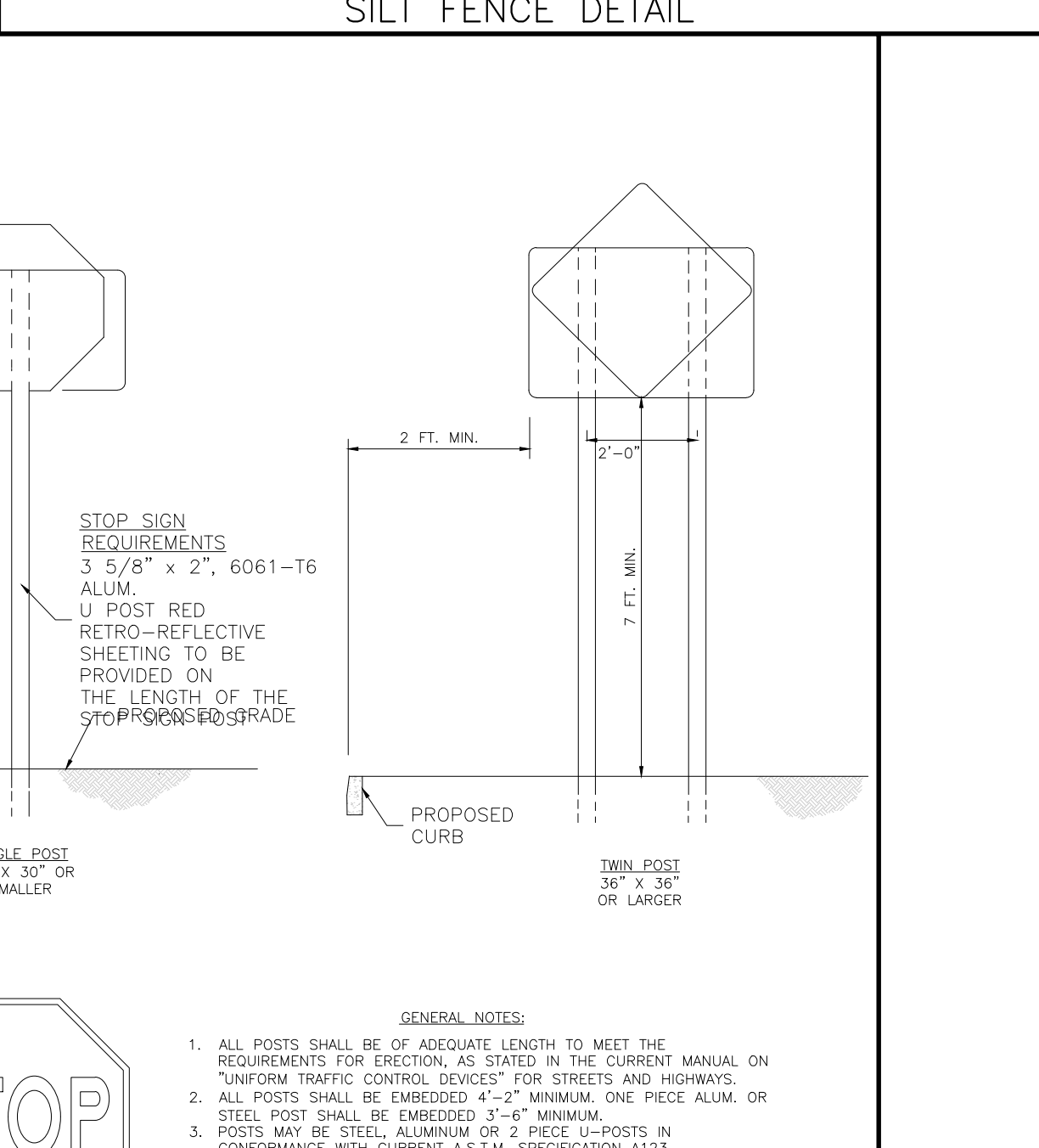
TYPICAL SECTION OF CONCRETE PAVEMENT 09/22 FL CD#14 N.T.S. NEWLINES



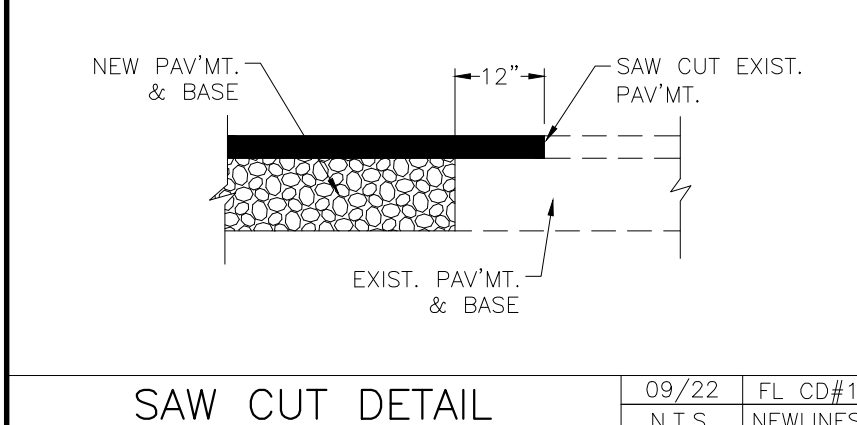
HANDICAPPED PARKING SIGNAGE/STRIPING DETAIL 09/22 FL CD#13 N.T.S. NEWLINES



HANDICAPPED PARKING SIGNAGE/STRIPING DETAIL 09/22 FL CD#13 N.T.S. NEWLINES



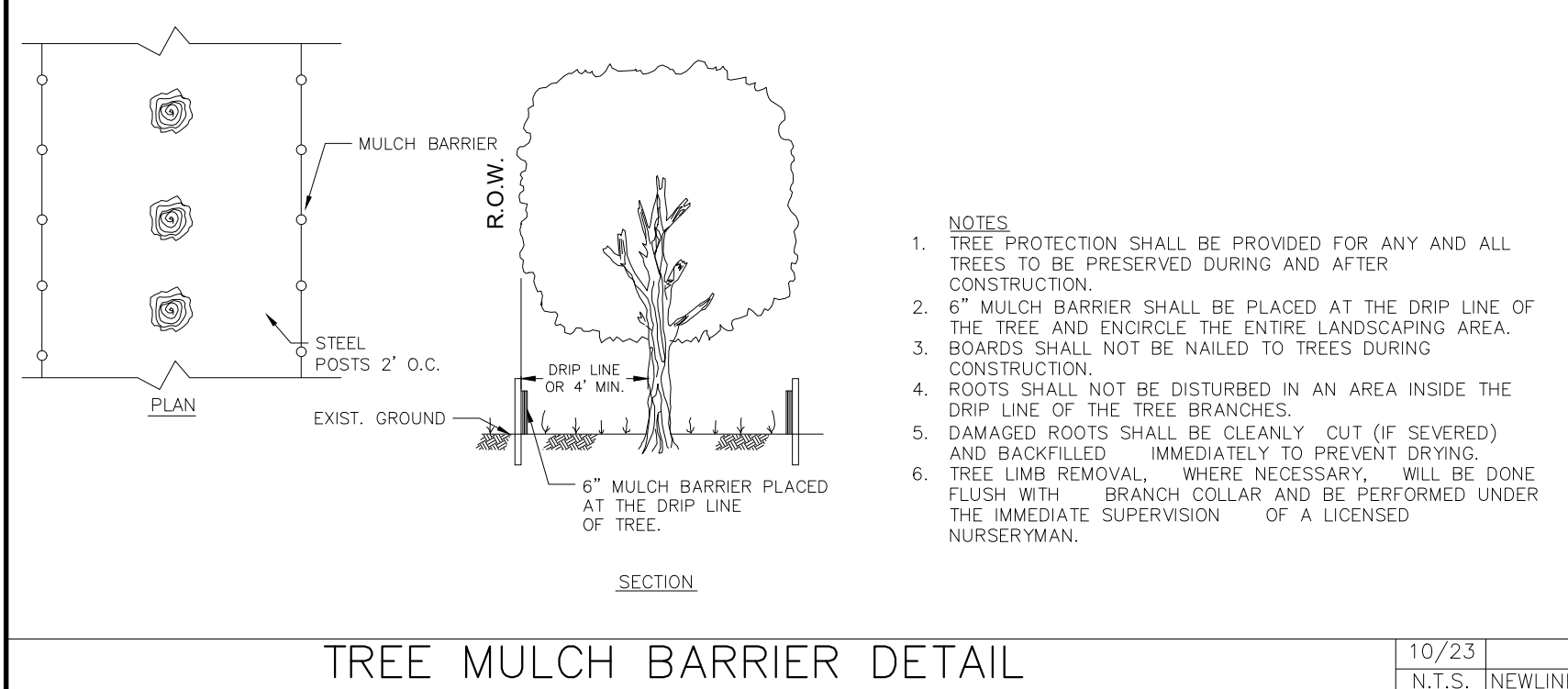
TYPICAL TRAFFIC SIGN MOUNTING DETAIL 06/23 CD#46 N.T.S. NEWLINES



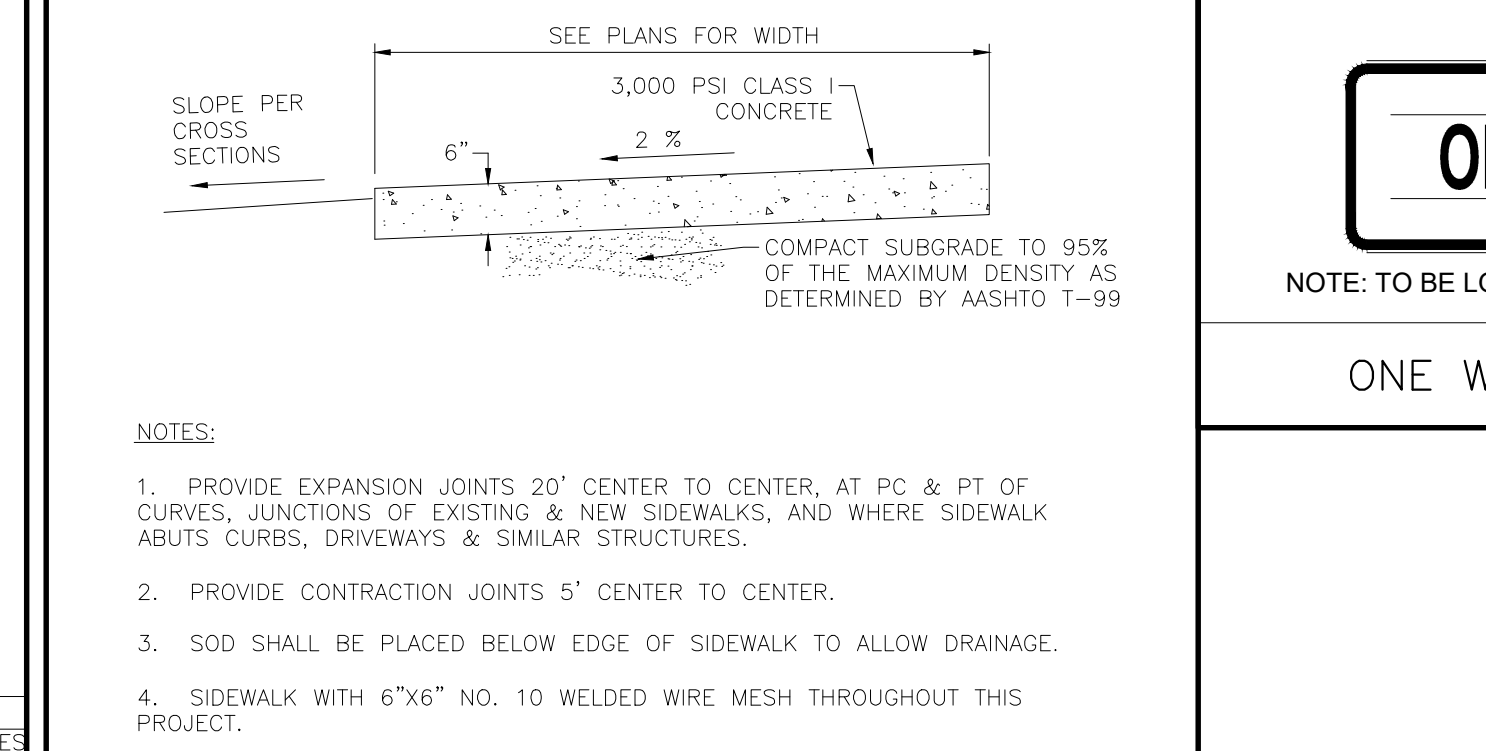
SAW CUT DETAIL 09/22 FL CD#1 N.T.S. NEWLINES



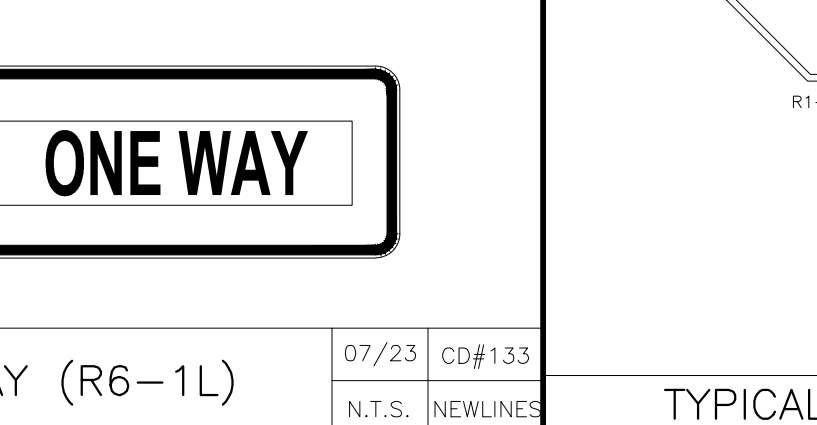
STOP BAR STRIPING 01/22 CN#29 N.T.S. NEWLINES



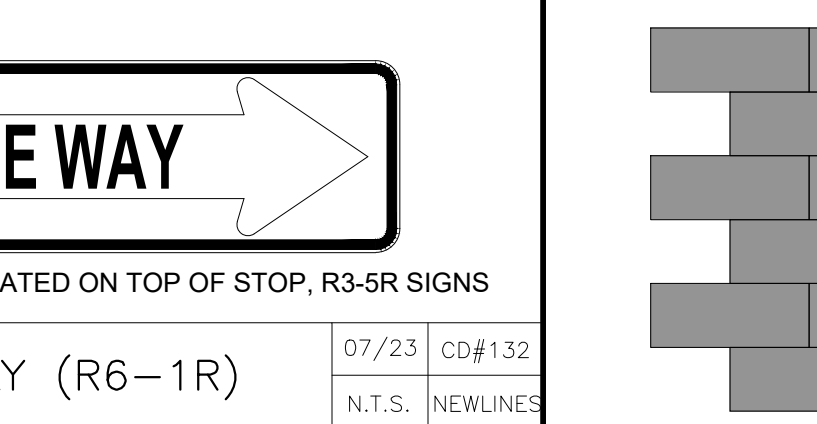
TREE MULCH BARRIER DETAIL 10/23 N.T.S. NEWLINES



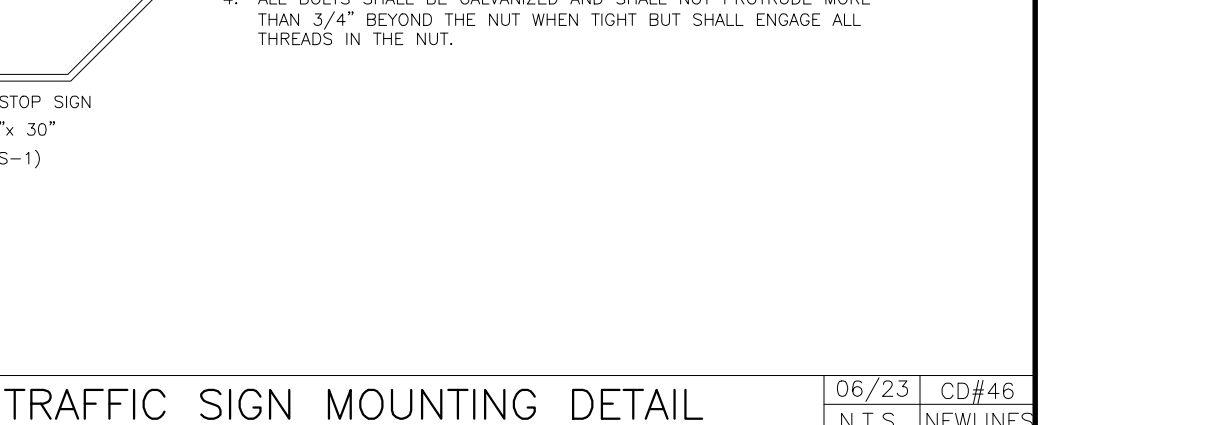
TYPICAL SIDEWALK 09/22 FL CD#8 N.T.S. NEWLINES



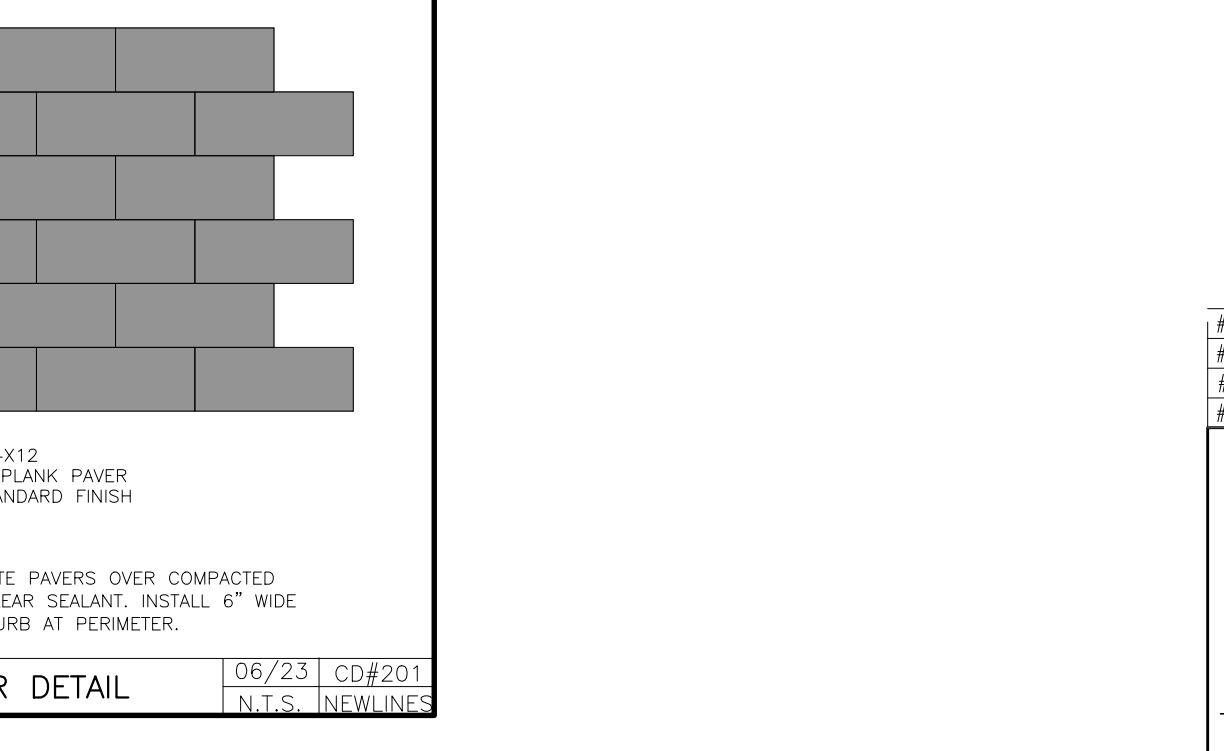
ONE WAY (R6-1L) 07/23 CD#133 N.T.S. NEWLINES



ONE WAY (R6-1R) 07/23 CD#132 N.T.S. NEWLINES



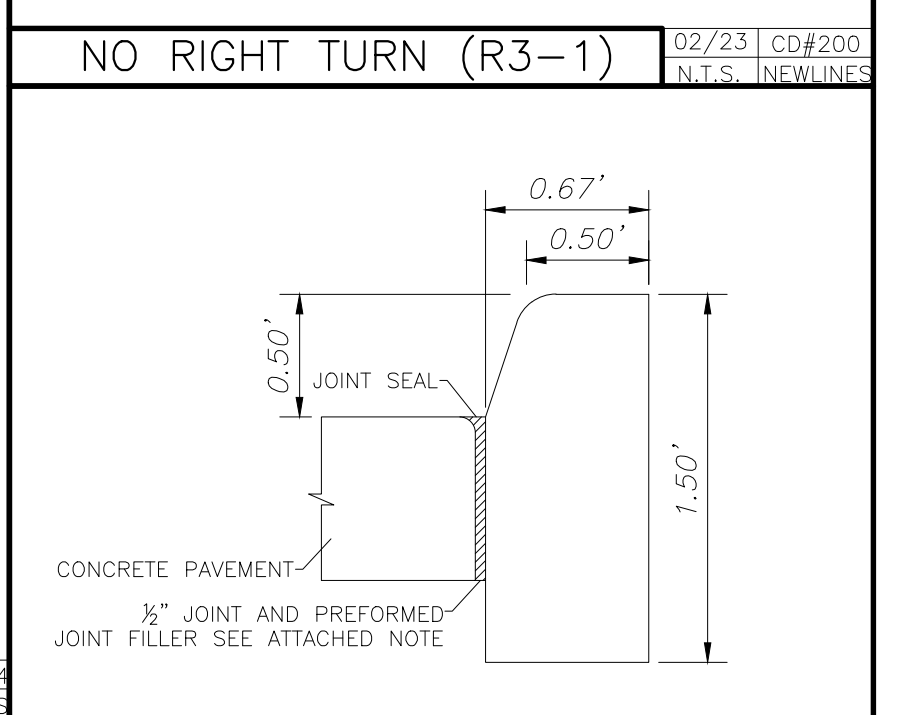
TYPICAL TRAFFIC SIGN MOUNTING DETAIL 06/23 CD#46 N.T.S. NEWLINES



PATIO PAVER DETAIL 06/23 CD#201 N.T.S. NEWLINES



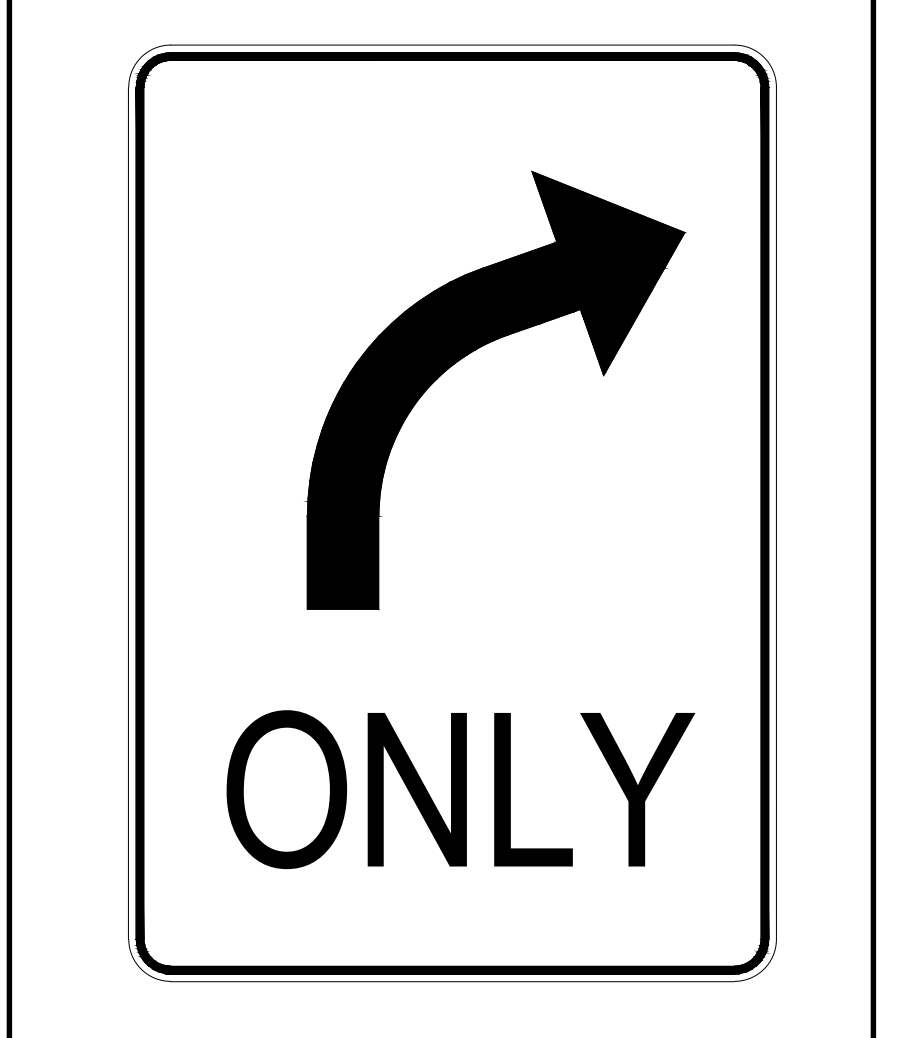
NO RIGHT TURN (R3-1) 02/23 CD#200 N.T.S. NEWLINES



TYPE 'D' CURB DETAIL 09/22 FL CD#5 N.T.S. NEWLINES

NOTE: FOR TYPE D CURB EXPANSION JOINT, PREFORMED JOINT FILLER AND JOINT SEAL ARE REQUIRED BETWEEN CURBS AND CONCRETE PAVEMENT ONLY.

TYPE 'D' CURB DETAIL 09/22 FL CD#5 N.T.S. NEWLINES



RIGHT TURN ONLY (R3-5R) 02/23 CD#200 N.T.S. NEWLINES

ALL CONCRETE TO BE CLASS 'B' 3500 PSI (UNLESS OTHERWISE NOTED)

NPDES PROGRAM STANDARD NOTE: OKEECHOBEE COUNTY REQUIRES THAT BEST MANAGEMENT PRACTICES ARE UTILIZED FOR ANY ACTIVITY, OPERATION, OR FACILITY WHICH MAY CAUSE OR CONTRIBUTE TO POLLUTION OR CONTAMINATION OF STORM WATER, THE STORM DRAIN SYSTEM, OR WATERS OF THE UNITED STATES. THIS INCLUDES BUT IS NOT LIMITED TO TRASH OR DEBRIS THAT MAY RESULT FROM BUILDING CONSTRUCTION ACTIVITIES. THE CONTRACTOR FOR THIS SITE IS HEREBY NOTIFIED THAT THEY ARE TO PROVIDE AT THEIR OWN EXPENSE, REASONABLE PROTECTION FROM ACCIDENTAL DISCHARGE OF PROHIBITED MATERIALS OR OTHER WASTES INTO THE MUNICIPAL STORM DRAIN SYSTEM OR WATERCOURSES THROUGH THE USE OF STRUCTURAL OR NON-STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POLLUTION PREVENTION.

#	DATE	DESCRIPTION	JT	PCD
#1	04-02-2025	REV. PER FDOT COMMENTS DATED 03-06-2025	JT	PCD
#2	02-20-2025	REV. PER FDOT COMMENTS DATED 02-17-2025	JT	PCD
#3	02-03-2025	REV. PER FDOT COMMENTS DATED 01-30-2025	JT	PCD
#4	02-03-2025	REV. PER FDOT COMMENTS DATED 01-30-2025	JT	PCD

STEVEN L. DOBBS, P.E.

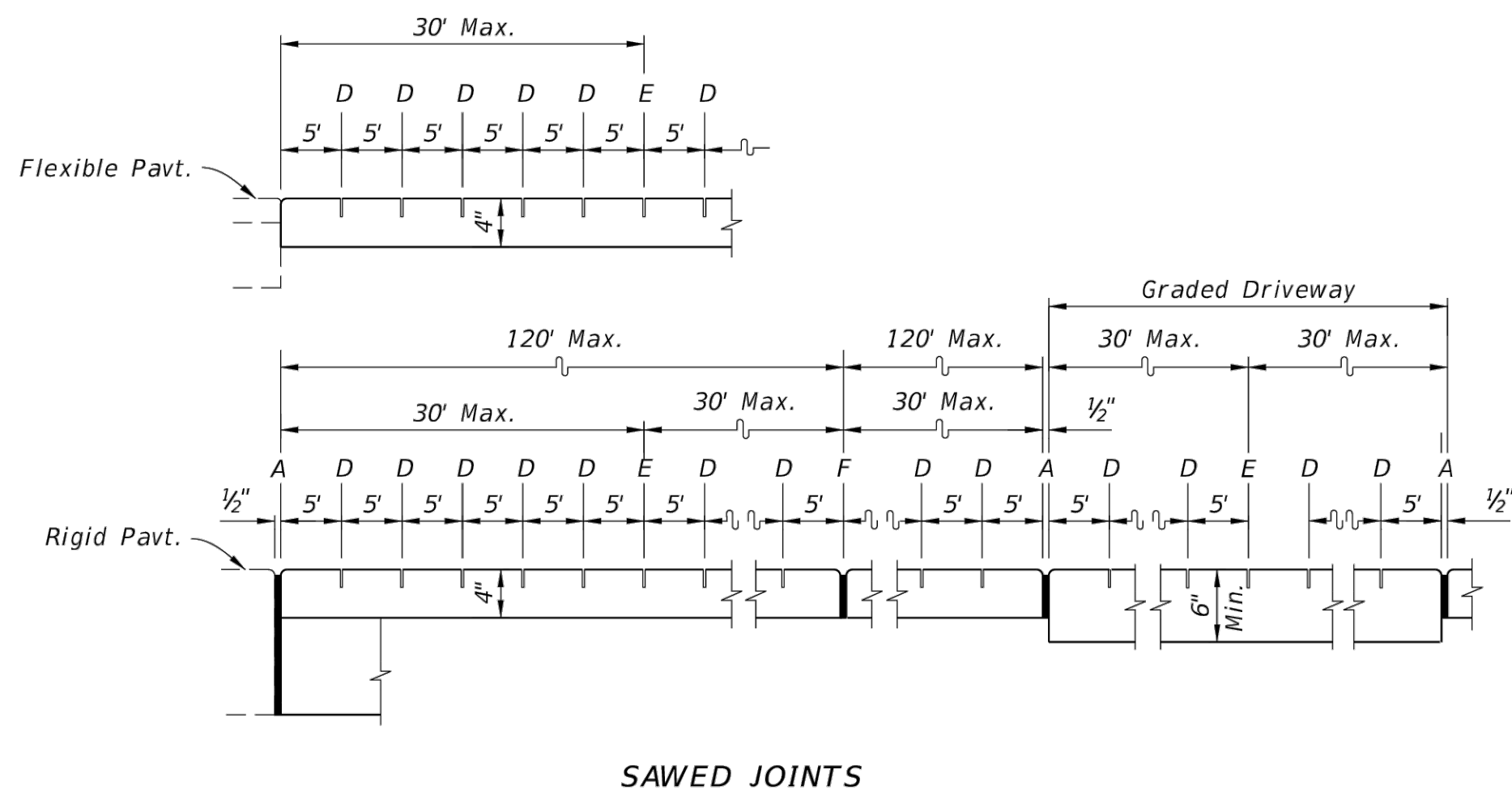
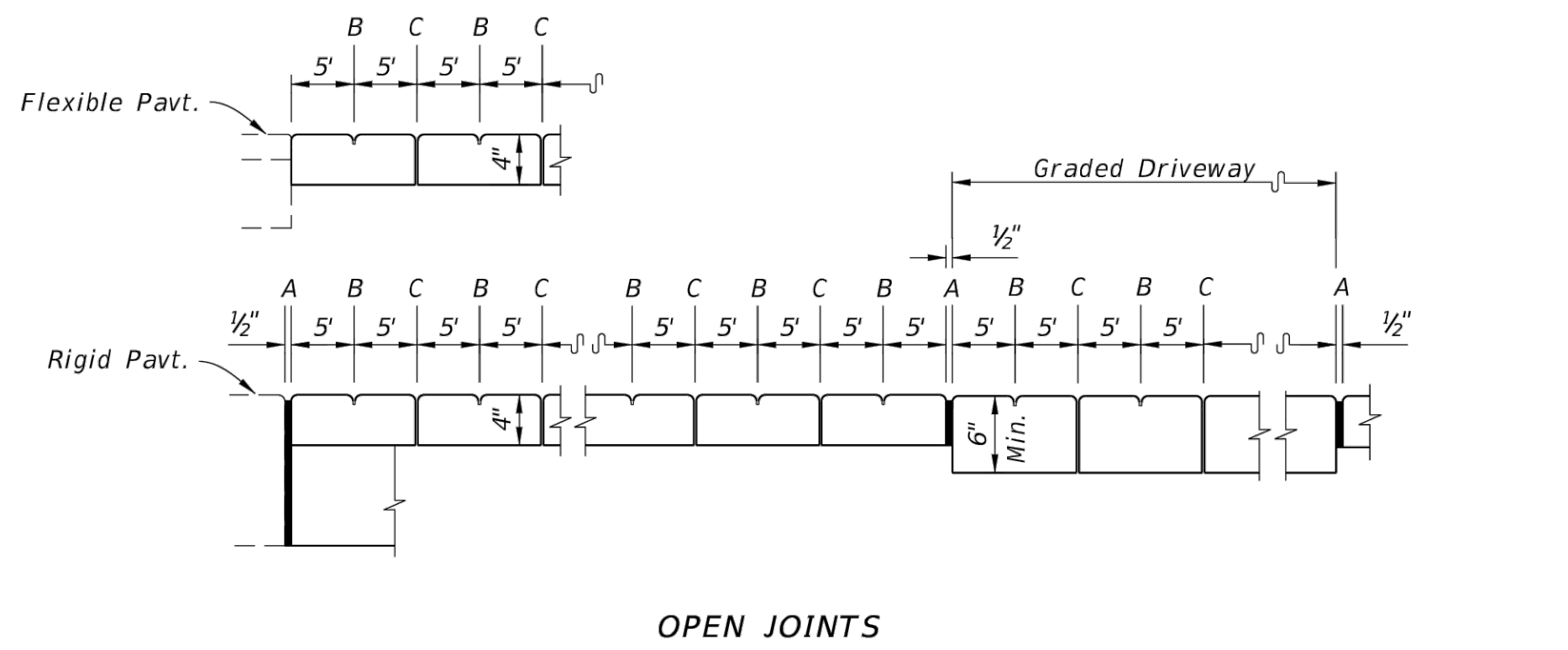
209 NE 2nd Street
Okeechobee, Florida 34974
SLO Phone (863) 824-7644
Newlines Phone (732) 984-4501
Florida@newlinesco.com

CONSTRUCTION DETAILS

PROJECT NO.	FL23001
ENGINEER	JB
DRAFTER	PCDCB
MANAGER	EW
SCALE	AS SHOWN
DATE	2025-05-30
SHEET	11 OF 29

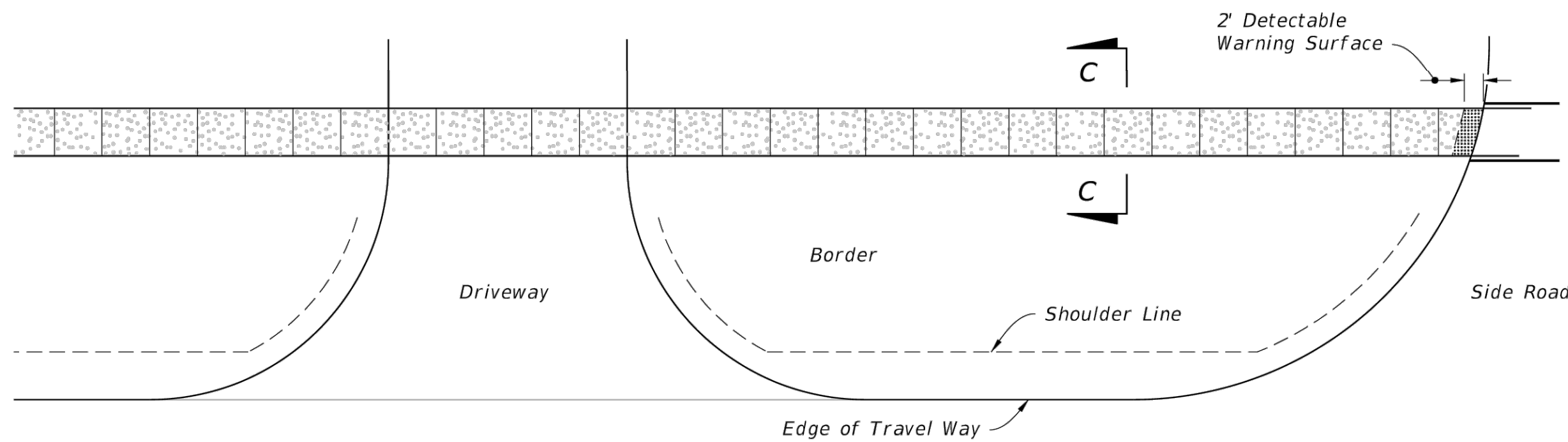
2605 HWY 441 S HOLDINGS LLC - 2605 HWY 441 S, Okeechobee (CAD) 12.30.01 - SITE PLAN.dwg 2025-05-30

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADOPTION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.



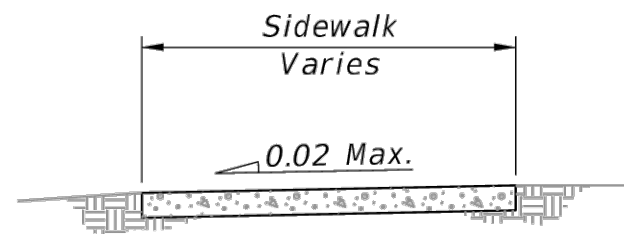
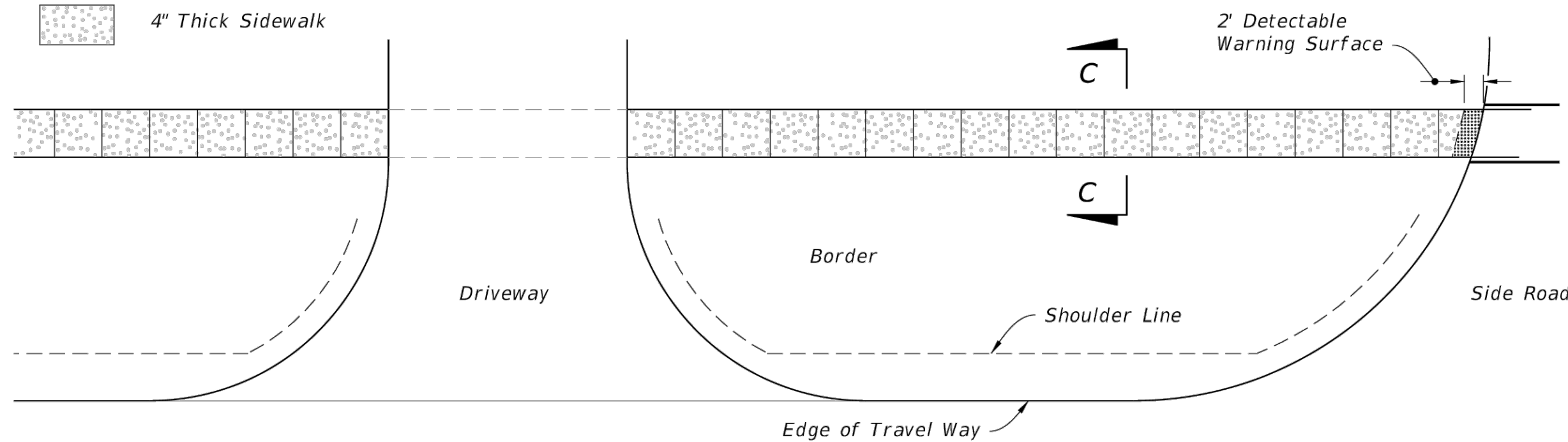
- LEGEND:**
- A- 1/2" Expansion Joints (Preformed Joint Filler) between the sidewalk and driveways, sidewalk-intersections, and all other fixed objects (e.g. drainage inlets and utility poles).
 - B- 1/8" Dummy Joints, Tooled
 - C- 1/8" Formed Open Joints
 - D- 3/16" Saw Cut Joints, 1 1/2" Deep (within 96 hours) Max. 5' Centers
 - E- 3/16" Saw Cut Joints, 1 1/2" Deep (within 12 hours) Max. 30' Centers
Joint(s) Required When Length Exceeds 30'
 - F- 1/2" Expansion Joint When Run Of Sidewalk Exceeds 120'. Intermediate locations when called for in the plans or at locations as directed by the Engineer.

SIDEWALK JOINTS



LEGEND:

4" Thick Sidewalk



SECTION C-C

CONCRETE SIDEWALK ON FLUSH SHOULDER ROADWAYS

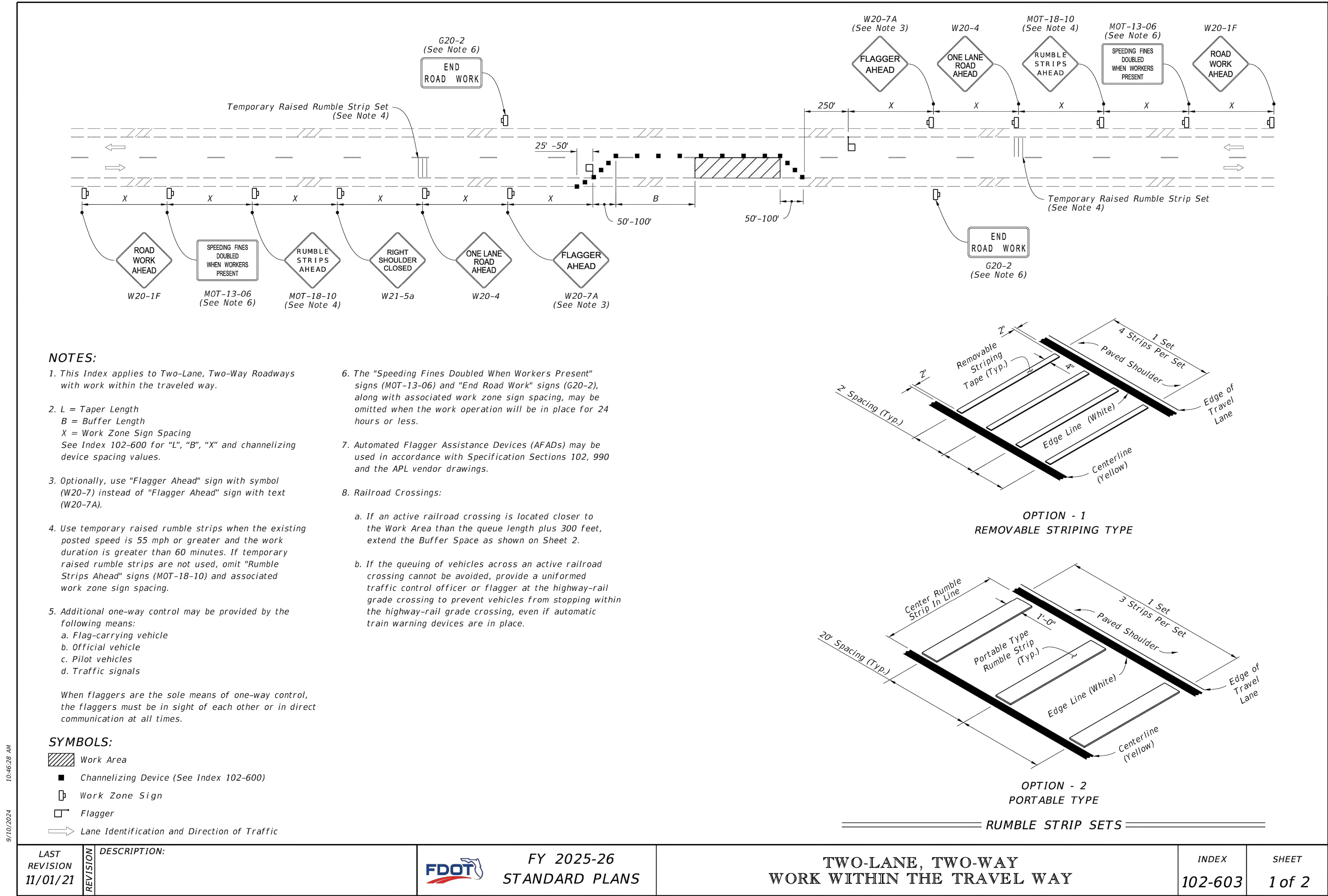
TYPICAL SIDEWALK DETAIL

06/23	CD#1
N.T.S.	NEWLINES

#3	04-02-2025	REV. PER FDOT COMMENTS DATED 03-06-2025	JT	POC
#2	02-20-2025	REV. PER FDOT COMMENTS DATED 02-17-2025	JT	POC
#1	02-03-2025	REV. PER FDOT COMMENTS DATED 01-30-2025	JT	POC
#0	DATE	DESCRIPTION	ENG	CAD

STEVEN L. DOBBS, P.E.		209 NE 2nd Street Okeechobee, Florida 34974 S.L.D. Phone (863) 824-7644 Newlines Phone (732) 594-4500 Florida@newlinesco.com	
FLORIDA PROFESSIONAL ENGINEER LICENSE NO. 48134		ENGINEERING • SOILS	
CONSTRUCTION DETAILS (2)		PROJECT NO.	FL23001
2605 HWY 441 S HOLDINGS LLC		ENGINEER	JB
SEC. 28, TOWNSHIP 35 SOUTH, RANGE 29 EAST		DRAFTER	POCDB
OKEECHOBEE CITY, FLORIDA		MANAGER	EW
		SCALE	AS SHOWN
		DATE	2025-06-30
		SHEET	12 OF 29

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADDITION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.



FDOT MOT INDEX 102-603 SHEET 1 OF 2

06/23 CD#1
N.T.S. NEWLINES

#3 04-02-2025 REV. PER FDOT COMMENTS DATED 03-06-2025 JT PDC
#2 02-20-2025 REV. PER FDOT COMMENTS DATED 02-17-2025 JT PDC
#1 02-03-2025 REV. PER FDOT COMMENTS DATED 01-30-2025 JT PDC
#0 DATE DESCRIPTION ENG CAD

STEVEN L. DOBBS, P.E.

S L D **NEWLINES**
LAND CONSULTANTS

209 NE 2nd Street
Okeechobee, Florida 34974
S.L.D. Phone (863) 824-7644
Newlines Phone (732) 994-4500
Florida@newlinesco.com

ENGINEERING • SOILS

CONSTRUCTION DETAILS (3)

PROJECT NO. FL23001

ENGINEER JB

DRAFTER PDCDB

MANAGER EW

SCALE AS SHOWN

DATE 2025-06-30

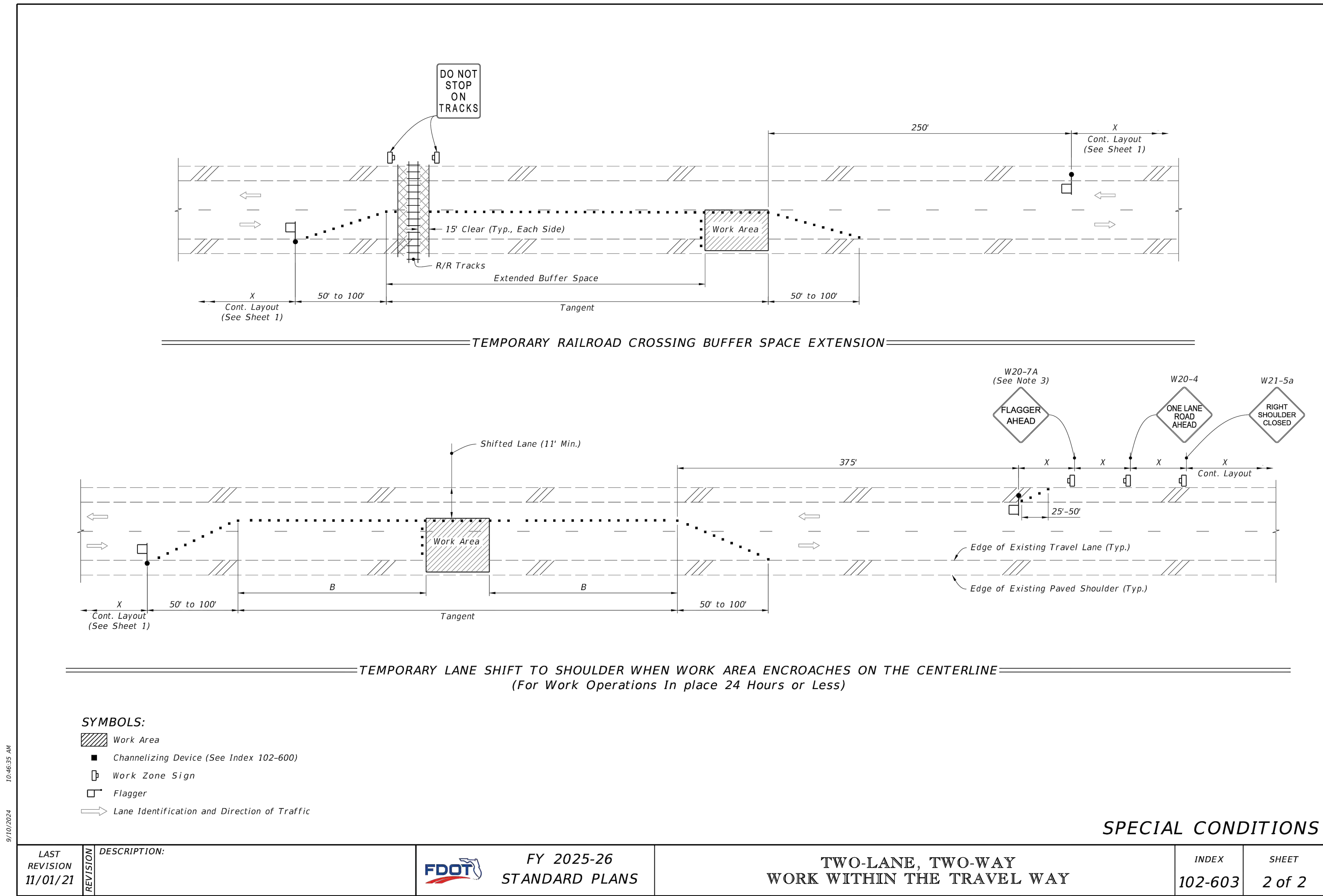
SHEET 13 OF 29

2605 HWY 441 S HOLDINGS LLC

SEC. 28, TOWNSHIP 35 SOUTH, RANGE 25 EAST

KEECHOBEE CITY, FLORIDA

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADDITION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.



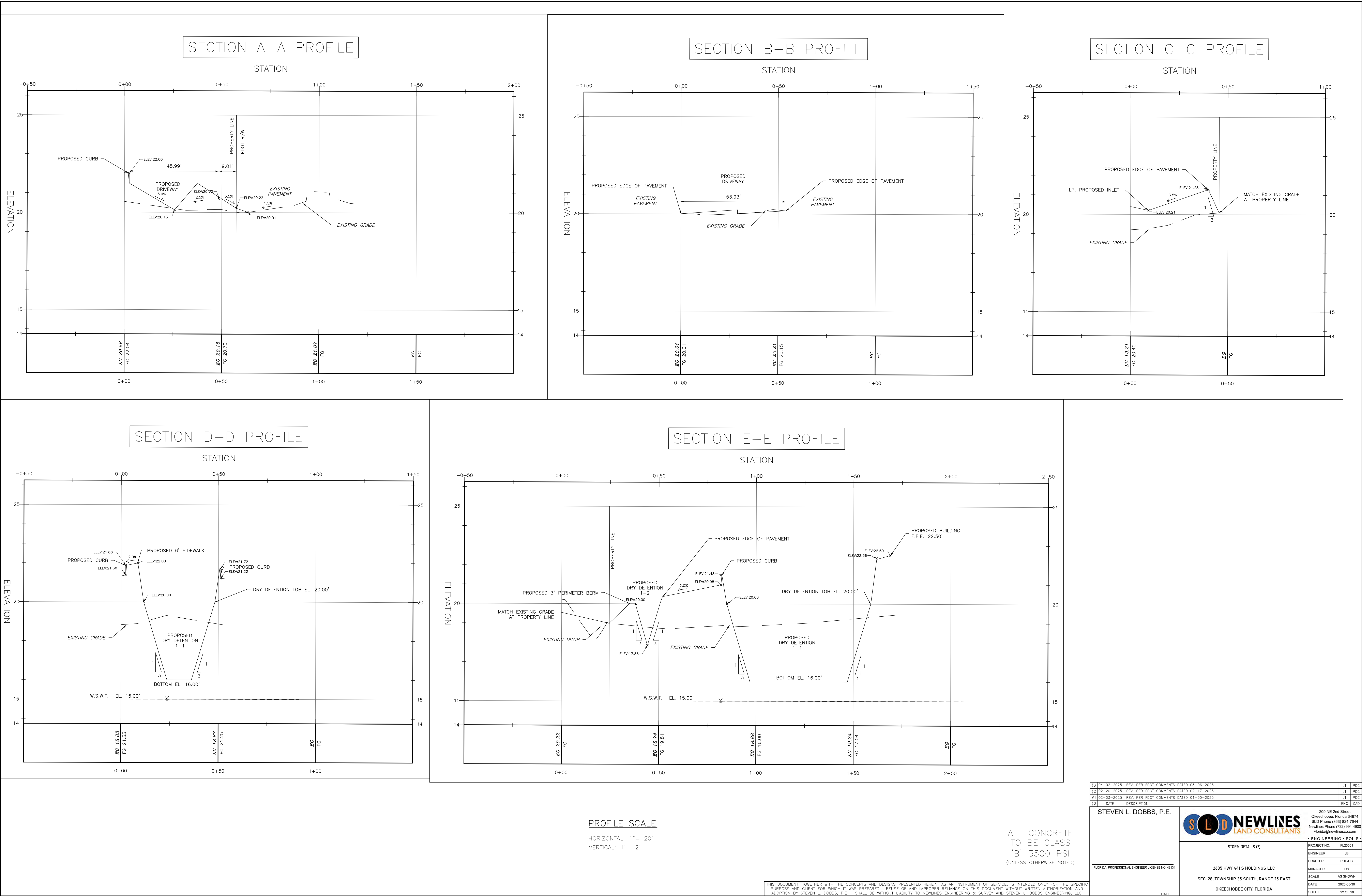
FDOT MOT INDEX 102-603 SHEET 2 OF 2

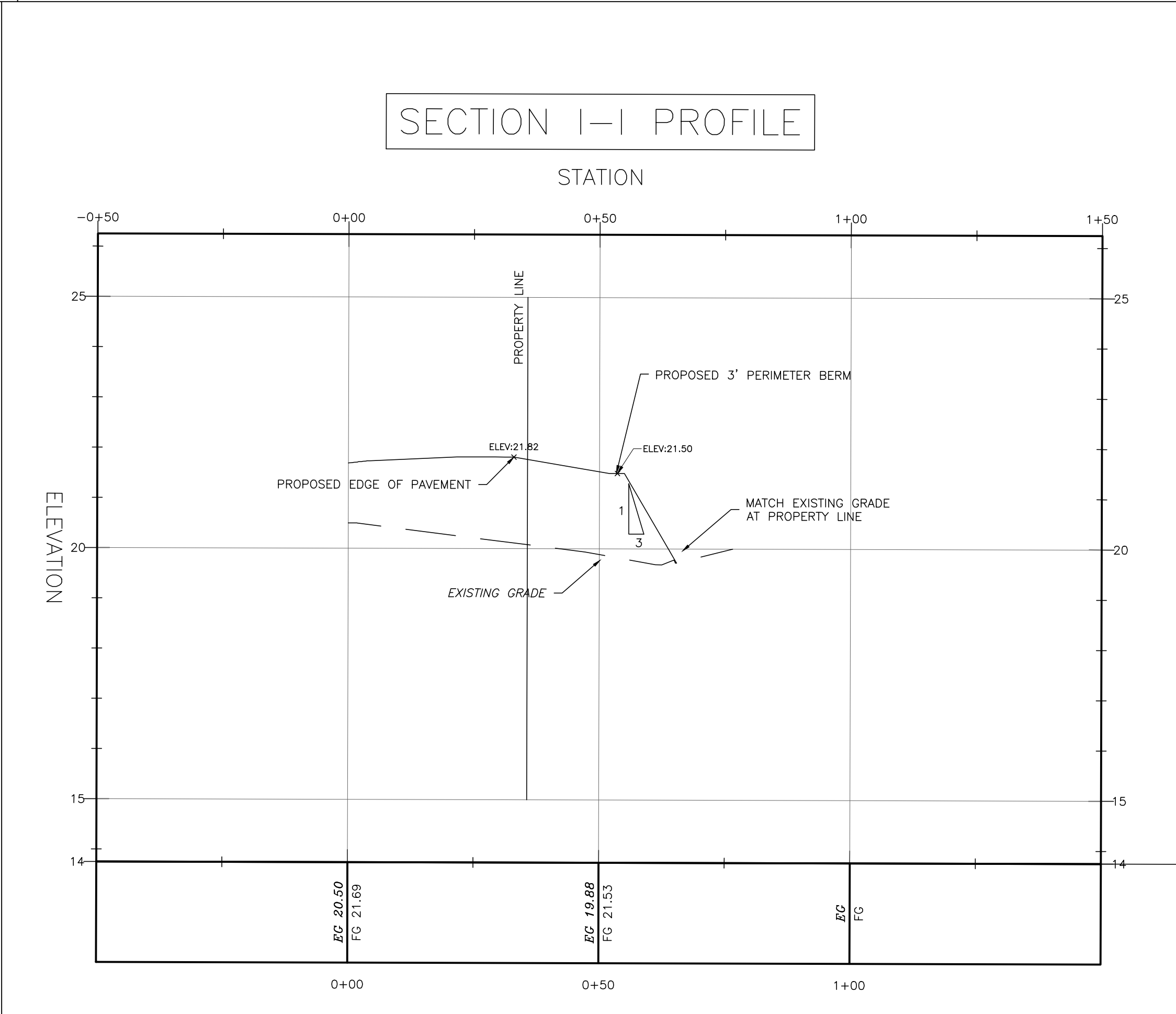
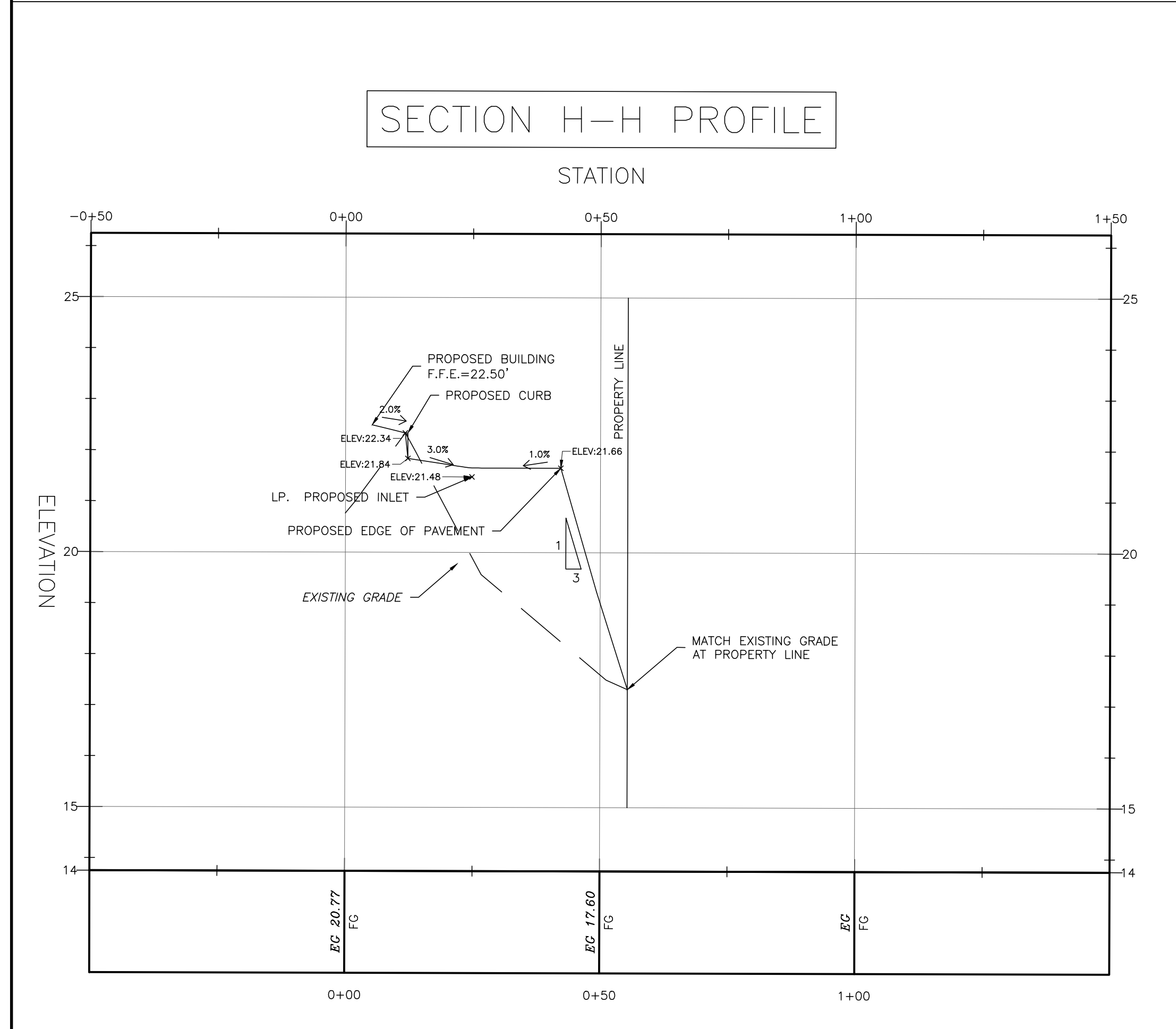
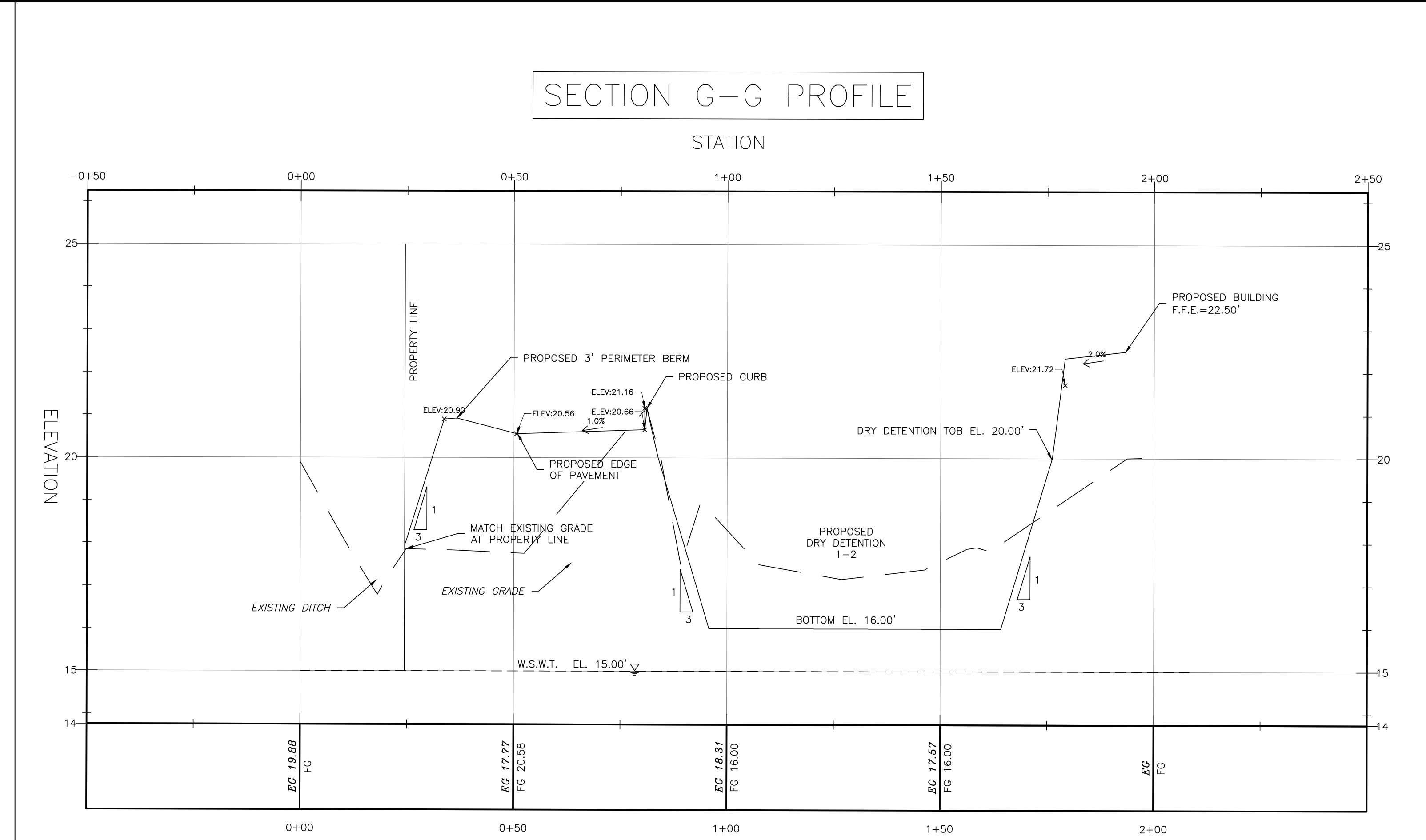
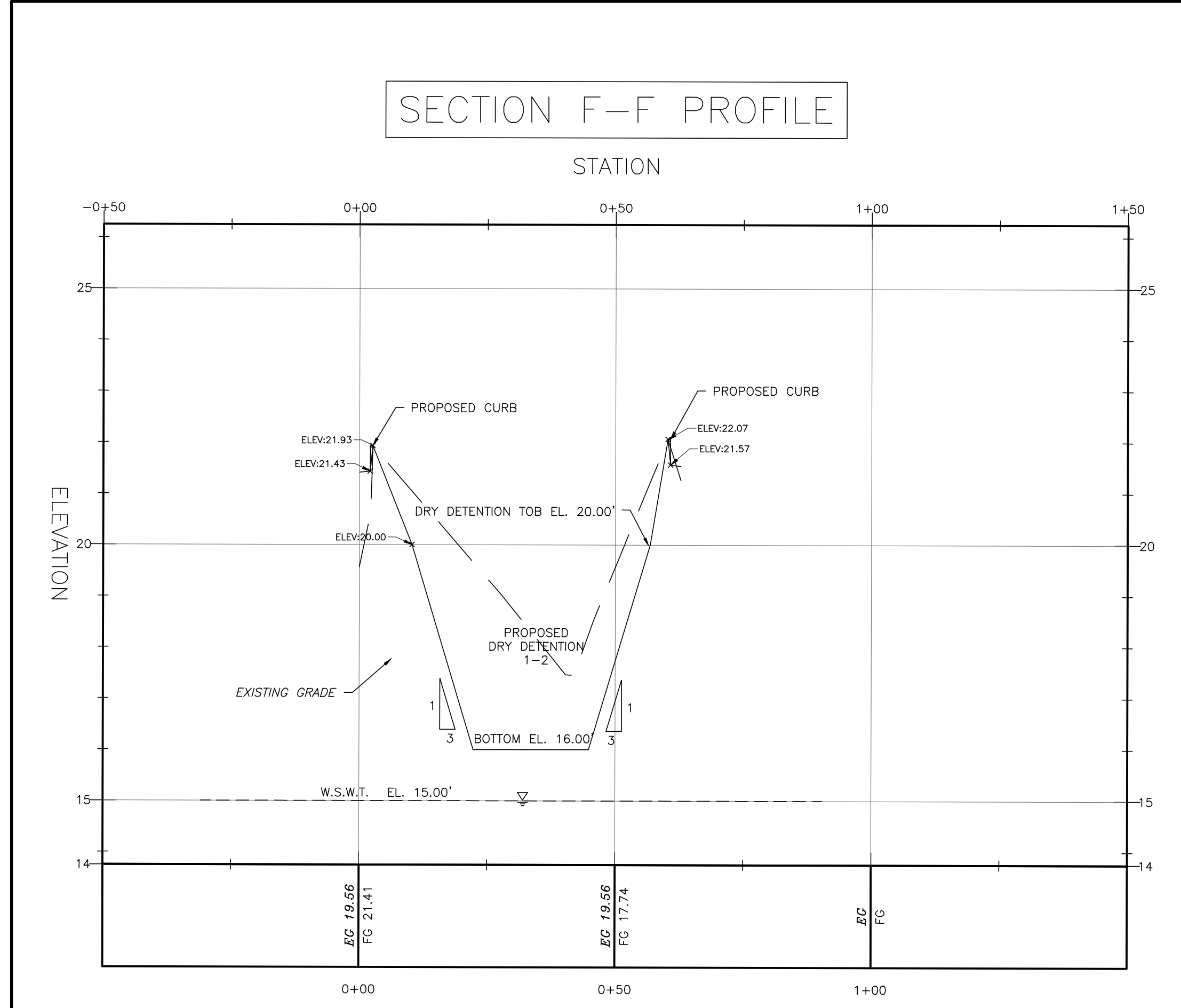
06/23 CD#1
N.T.S. NEWLINES

#3	04-02-2025	REV. PER FDOT COMMENTS DATED 03-06-2025	JT	POC
#2	02-20-2025	REV. PER FDOT COMMENTS DATED 02-17-2025	JT	POC
#1	02-03-2025	REV. PER FDOT COMMENTS DATED 01-30-2025	JT	POC
#0	DATE	DESCRIPTION	ENG	CAD

STEVEN L. DOBBS, P.E.	209 NE 2nd Street Okeechobee, Florida 34974 S.L.D. Phone (863) 824-7644 Newlines Phone (732) 994-4500 Florida@newlinesco.com
CONSTRUCTION DETAILS (4)	PROJECT NO. FL23001 ENGINEER JB DRAFTER PDCDB MANAGER EW SCALE AS SHOWN DATE 2025-05-30 SHEET 14 OF 29
2605 HWY 441 S HOLDINGS LLC SEC. 28, TOWNSHIP 35 SOUTH, RANGE 25 EAST OKEECHOBEE CITY, FLORIDA	

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADDITION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.





PROFILE SCALE

HORIZONTAL: 1" = 20'

VERTICAL: 1" = 2'

ALL CONCRETE
TO BE CLASS
'B' 3500 PSI
(UNLESS OTHERWISE NOTED)

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADDITION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.

#3	04-02-2025	REV. PER TDOT COMMENTS DATED 03-06-2025	JT	POC
#2	02-20-2025	REV. PER TDOT COMMENTS DATED 02-17-2025	JT	POC
#1	02-03-2025	REV. PER TDOT COMMENTS DATED 01-30-2025	JT	POC
#0	DATE	DESCRIPTION	ENG	CAD

STEVEN L. DOBBS, P.E.	209 NE 2nd Street Okeechobee, Florida 34974 S.L.D. Phone (863) 824-7644 Newlines Phone (732) 594-4500 Florida@newlinesco.com
PROJECT NO.	FL23001
ENGINEER	JB
DRAFTER	POCDB
MANAGER	EW
SCALE	AS SHOWN
DATE	2025-05-30
SHEET	23 OF 29

STORM DETAILS (3)
2605 HWY 441 S HOLDINGS LLC
SEC. 28, TOWNSHIP 35 SOUTH, RANGE 29 EAST
OKEECHOBEE CITY, FLORIDA

GENERAL NOTES

FOR THE PURPOSE OF THE GENERAL NOTES BELOW, THE TERM DEPARTMENT SHALL MEAN OKEECHOBEE UTILITY AUTHORITY

1. THE CONTRACTOR SHALL CONTACT ALL CONCERNED UTILITIES AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION OPERATIONS.
2. THE LOCATION AND SIZE OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHOD AND BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS SHALL BE RESOLVED BY THE ENGINEER AND DEPARTMENT PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
3. LOCATION OF PROPOSED FACILITIES WILL BE STAKED BY CONTRACTOR. CONTRACTOR MUST GIVE 48 HOURS NOTICE TO THE DEPARTMENT IN ADVANCE OF LAYOUT.
4. THE LOCATION AND SIZE OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHOD AND BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS SHALL BE RESOLVED BY THE ENGINEER AND DEPARTMENT PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
5. LOCATION OF PROPOSED FACILITIES WILL BE STAKED BY CONTRACTOR. CONTRACTOR MUST GIVE 48 HOURS NOTICE TO THE DEPARTMENT IN ADVANCE OF LAYOUT.
6. PROJECT SUPERINTENDENT: THE CONTRACTOR SHALL PROVIDE A QUALIFIED SUPERINTENDENT TO REMAIN ON THE JOB SITE AT ALL TIMES WHEN WORK IS BEING PERFORMED. THE SUPERINTENDENT SHALL BE PRESENT AT THE PRE-CONSTRUCTION MEETINGS. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT BY LETTER PRIOR TO THE PRE-CONSTRUCTION MEETING APPOINTING THE SUPERINTENDENT FOR THIS PROJECT INCLUDING A FORMAL RESUME SHOWING QUALIFICATIONS. IN THE EVENT THE SUPERINTENDENT WILL NOT BE PRESENT FOR ANY PERIOD OF TIME DURING CONTRACT WORK THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE IN WRITING TO THE DEPARTMENT, INCLUDING THE APPOINTMENT OF A QUALIFIED REPLACEMENT SUPERINTENDENT WHO WILL BE PRESENT DURING THE CONSTRUCTION. WORK SHALL NOT BE ALLOWED TO PROCEED UNLESS THE ASSIGNED SUPERINTENDENT IS PRESENT.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE HIS COMPLETE FAMILIARITY WITH THE PROJECT SITE AND COMPONENTS TO INCLUDE SUBSURFACE CONDITIONS OF SOIL AND GROUNDWATER TABLE. WARNING: EXACT LOCATION OF UNDERGROUND UTILITIES IS NOT KNOWN NOR IS THIS DRAWING TO BE CONSTRUED AS DEPICTING THE LOCATION OF ALL UNDERGROUND UTILITIES OR STRUCTURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINATION OF LOCATION PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR IS RESPONSIBLE, THEREFORE, FOR ALL DAMAGE AND REPAIR COSTS.
8. DENSITY TESTS OF TRENCH BACKFILL MATERIAL SHALL BE REQUIRED AT INTERVALS OF NOT MORE THAN 500 FEET. DENSITY TESTS OF PAVEMENT OPEN-CUT AREAS INCLUDING ROADS, TUNNAGES, AND DRIVES SHALL BE REQUIRED AT EACH OPEN-CUT AT INTERVALS OF NOT MORE THAN 50 FEET. ALL TESTS SHALL COMMENCE AT THE TOP OF CONDUIT AND EVERY 12 INCHES TO THE FINISH GRADE. COMPACTION SHALL BE IN ACCORDANCE WITH "TYPICAL TRENCH DETAIL" AND "FLEXIBLE PAVEMENT REPLACEMENT DETAIL". FLORIDA BEARING TESTS FOR THE STABILITY OF EXISTING SUBSOIL SHALL BE TAKEN AT INTERVALS OF NOT MORE THAN 500 FEET, AND CLOSER AS MIGHT BE NECESSARY IN THE EVENT OF VARIATIONS IN THE STRATA. A CERTIFIED COPY OF THE TESTS SHALL BE PROVIDED TO THE DEPARTMENT AND THE FLORIDA DEPARTMENT OF TRANSPORTATION OR COUNTY ENGINEERING DEPARTMENT DEPENDING ON JURISDICTION. CONTRACTORS BID PRICE SHALL INCLUDE PAYMENT FOR ALL TESTS CONDUCTED BY AN INDEPENDENT TESTING LAB.
9. ANY LANDSCAPING DISTURBED, UNLESS OTHERWISE SHOWN ON THE PLANS, SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTORS EXPENSE.
10. ANY WALK, CURB AND GUTTER OR PAVEMENT DISTURBED, UNLESS OTHERWISE SHOWN ON PLANS, SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. ALL CONSTRUCTION SHALL MEET ADA REQUIREMENTS.
11. ALL SOD IS TO BE PLACED FOR THE FULL WIDTH DISTURBED AT THE PER LINEAR FOOT UNIT PRICE FOR SOD. SOD SHALL BE REPLACED TO MATCH EXISTING KIND UNLESS OTHERWISE SHOWN ON PLANS.
12. ANY TREES AND/OR SCRUB OR OTHER VEGETATION NOT TO BE REPLACED SHALL BE REMOVED FROM THE PROJECT AT THE CONTRACTOR'S EXPENSE.
13. ALL RUBBLE AND UNSUITABLE MATERIAL MUST BE REMOVED FROM THE PROJECT AND DISPOSED OF PROPERLY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
14. MAILBOXES MUST BE MAINTAINED TO BE CAPABLE OF RECEIVING MAIL AT ALL TIMES. CONTRACTOR'S BID PRICE FOR PIPE SHALL INCLUDE MAILBOX MAINTENANCE.
15. ALL CONSTRUCTION DEWATERING (WELL POINTS, PUMPS, ETC.) WILL REQUIRE A DEWATERING PERMIT FROM SOUTH FLORIDA WATER MANAGEMENT DISTRICT. THIS SHALL BE OBTAINED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE PRIOR TO BEGINNING OF CONSTRUCTION. CONTRACTOR'S BID PRICE FOR PIPE SHALL INCLUDE DEWATERING.
16. THE "TRENCH SAFETY ACT" SHALL BE INCORPORATED INTO THIS CONTRACT AS ENACTED BY THE LEGISLATURE OF THE STATE OF FLORIDA TO BE IN EFFECT AS OF OCTOBER 1, 1990.
17. A PERMIT IS REQUIRED FOR ALL WORK WITHIN COUNTY RIGHT-OF-WAY. THIS PERMIT MUST BE OBTAINED BY THE CONTRACTOR FROM THE COUNTY ENGINEERING DEPARTMENT. ALL COSTS PAYABLE BY THE CONTRACTOR. A COPY OF THIS PERMIT MUST BE MAINTAINED ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.
18. ALL CONCRETE AND ASPHALT DRIVES MUST BE REPLACED FROM SAW CUT TO EDGE OF PAVEMENT.
19. LOCATIONS OF FIRE HYDRANTS AND AIR RELEASE VALVES ARE APPROXIMATE ONLY. FINAL LOCATIONS WILL BE DETERMINED BY DEPARTMENT PERSONNEL IN FIELD.
20. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND RESTORATION (IF DAMAGED) OF ALL EXISTING STRUCTURES WITHIN THE CONSTRUCTION LIMITS OF THE PROJECT, INCLUDING BUT NOT LIMITED TO WALLS, FENCES, POWER POLES, MAIL BOXES, DRAINAGE PIPES AND STRUCTURES, ETC..
21. "RECORD DRAWINGS" SHALL INCLUDE FURNISHING THE DEPARTMENT WITH ALL INFORMATION NECESSARY FOR A COMPLETE SET OF RECORD DRAWINGS AS STIPULATED IN THE REFERENCED "MINIMUM DESIGN AND CONSTRUCTION STANDARDS."
22. THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL SUPPORT UTILITIES AND SHORE TRENCH AS REQUIRED TO PROTECT AND MAINTAIN EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY EACH UTILITY PRIOR TO ATTEMPTING TO SUPPORT THEIR FACILITIES. IF THE UTILITY REQUIRES THAT ONLY THEIR CREWS SHALL BE ALLOWED TO SUPPORT THEIR FACILITIES, THEN IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO COORDINATE WORK AND PAY THE UTILITY FOR THEIR EXPENSES IF REQUIRED. ALL COSTS FOR THIS WORK SHALL BE AT THE CONTRACTORS EXPENSE AND INCLUDED IN THE CONTRACTORS BID PRICE.
23. OUA MUST BE NOTIFIED OF, CONDUCT INSPECTION, AND ACCEPT ALL MATERIAL DELIVERIES TO THE JOBSITE PRIOR TO INSTALLATION.

SPECIAL NOTE:

RIGHT OF WAYS / PROPERTY LINES AS SHOWN ON THE PLANS ARE APPROXIMATE. CONTRACTOR SHALL IDENTIFY ANY AREAS OF CONCERN AND VERIFY ACTUAL RIGHT OF WAY / PROPERTY LINES BY STAKING IN FIELD BY CERTIFIED PROFESSIONAL LAND SURVEYOR. CONTRACTOR SHALL BE RESPONSIBLE TO RELOCATE ANY NEW WATERMANS THAT ARE PLACED ON PRIVATE PROPERTY. COST FOR THIS SURVEY WORK SHALL BE INCLUDED IN BID UNIT PRICES FOR WATER MAIN.

WATER GENERAL NOTES

1. ALL CONNECTIONS TO EXISTING MAINS SHALL BE OBSERVED BY THE DEPARTMENT. VALVES ON EXISTING MAINS SHALL BE OPERATED BY DEPARTMENT PERSONNEL OR UNDER THEIR DIRECT SUPERVISION. TAPPING SLEEVE AND VALVE SHALL BE PRESSURE TESTED PRIOR TO TAPPING. IF SERVICE MUST BE CUT OFF TO EXISTING CUSTOMERS, THE DEPARTMENT MUST HAVE THREE DAYS NOTICE TO MAKE NECESSARY NOTIFICATIONS. THE CONTRACTOR MAY BE REQUIRED TO ASSIST IN NOTIFICATIONS. IN THIS EVENT, CONTRACTOR SHALL BE READY TO PROCEED WITH AS MUCH MATERIAL PREASSEMBLED AS POSSIBLE AT THE SITE TO MINIMIZE THE LENGTH OF SERVICE INTERRUPTION. THE DEPARTMENT WILL POSTPONE A SERVICE CUT OFF IF THE CONTRACTOR IS NOT READY TO PROCEED ON SCHEDULE. SUCH CONNECTIONS SHALL BE MADE AT NIGHT TO MINIMIZE EFFECTS UNLESS OTHERWISE AUTHORIZED BY THE DEPARTMENT. NO CUSTOMER SHOULD BE WITHOUT SERVICE FOR MORE THAN FOUR HOURS. LOCAL CHLORINATION WILL BE REQUIRED FOR ALL PIPE AND FITTINGS USED TO COMPLETE CONNECTIONS WITH POTABLE WATER.
2. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF OKEECHOBEE UTILITY AUTHORITY MINIMUM DESIGN AND CONSTRUCTION STANDARDS, ONE COPY OF THE CONTRACT DOCUMENTS, INCLUDING PLANS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
3. CONTRACTOR SHALL PROVIDE PROPER BENDS TO MAINTAIN REQUIRED DEPTH AND ALIGNMENT OF PIPE. COST OF BENDS NOT DESIGNATED ON PLANS SHALL BE INCLUDED WITH THE UNIT PRICE FOR PIPE.
4. DEFLECT PIPE AS NECESSARY TO OBTAIN THE REQUIRED ALIGNMENT. USE APPROPRIATE FITTINGS WHEN DEFLECTION EXCEEDS 75% OF MANUFACTURER'S RECOMMENDED MAXIMUM DEFLECTION.
5. ALL FITTINGS SHALL BE MECHANICALLY RESTRAINED. REFER TO MECHANICAL RESTRAINT DETAIL.
6. MAXIMUM LENGTH OF WATER MAIN AND FORCE MAIN PRESSURE TEST SHALL BE 1500 FEET. WATER SOURCE FOR FLUSHING, FILLING AND PRESSURE TESTING THE WATER MAIN SHALL BE FROM A TREATED SOURCE APPROVED BY THE DEPARTMENT.
7. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING WATER SERVICES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL PROTECT THE EXISTING WATER SERVICES FROM DAMAGE AND REPAIR ANY BREAKS IMMEDIATELY.
8. MECHANICALLY RESTRAIN THREE (3) FULL LENGTHS EACH SIDE OF ALL BENDS AND AS STIPULATED IN THE MECHANICAL RESTRAINT DETAIL. MECHANICAL RESTRAINTS SHALL BE EITHER EBBA, TYLER OR UNIFLANGE. THE CONTRACTORS BID PRICE FOR PIPE, GATE VALVES AND FITTINGS SHALL INCLUDE MECHANICAL RESTRAINT.
9. ALL PRESSURE TESTS SHALL BE IN ACCORDANCE WITH AWWA STANDARDS. CONTRACTOR'S BID PRICE FOR PIPE SHALL INCLUDE PRESSURE TESTING.
10. AIR RELEASE VALVE VAULT COVERS SHALL BE CONSTRUCTED PER DETAIL "STANDARD ALUMINUM COVER" AS SHOWN IN THE DEPARTMENTS MINIMUM DESIGN AND CONSTRUCTION STANDARDS. MINIMUM COVER SIZE TO MATCH VAULT INSIDE WALL DIMENSIONS.
11. ALL WATER SERVICES SHALL BE HORIZONTAL DIRECTION UNDER EXISTING PAVEMENT.
12. VALVE STEM RISER SHALL BE REQUIRED WHERE OPERATING NUT DEPTH EXCEEDS 4 FEET. THE RISER SHALL BE BOLTED TO THE VALVE NUT. METHOD AND MATERIALS SHALL BE APPROVED BY THE DEPARTMENT. COST FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACTORS BID UNIT PRICE FOR GATE VALVES.
13. THE CONTRACTOR SHALL CLEAN MAINS USING APPROVED POLYURETHANE PIG(S). TEMPORARY CLEANING STATIONS SHALL BE CONSTRUCTED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE A CLEANING PLAN SHOWING METHOD OF FILLING AND CLEANING MAINS PRIOR TO START OF CONSTRUCTION. THE CLEANING PLAN SHALL BE APPROVED BY THE DEPARTMENT PRIOR TO CONSTRUCTION. ALL COSTS FOR FILLING AND CLEANING SHALL BE AT THE CONTRACTORS EXPENSE AND INCLUDED IN BID PRICE FOR PIPE.
14. THE CONTRACTOR SHALL INSTALL TESTING POINTS FOR PRESSURE TESTING MAINS. THE CONTRACTOR SHALL INSTALL AND REMOVE AND PLUG CORP. STOPS PER DEPARTMENT STANDARDS. THE LOCATION OF TEST POINTS SHALL BE APPROVED BY THE DEPARTMENT.
15. WATER MAIN DISINFECTION SHALL BE IN ACCORDANCE WITH CURRENT AWWA, BULLETIN C-651.
16. WATER MAINS AND APPURTENANCES SHALL BE IN ACCORDANCE WITH CURRENT AWWA AND NSF STANDARDS.
17. MINIMUM COVER TO FINISHED GRADE OVER WATER MAINS SHALL BE 30 INCHES UP TO 8" DIAMETER; 10" OR LARGER SHALL HAVE 36" COVER OR GREATER TO PROVIDE A MINIMUM 18" COVER OVER OPERATING NUT OF GATE VALVES.
18. ALL MAINS SHALL BE TESTED FOR LEAKAGE. WATER SHALL BE SUPPLIED TO THE MAIN AND PUMPED TO THE REQUIRED 150 PSI PRESSURE.
19. NEWLY CONSTRUCTED FIRE HYDRANTS THROUGHOUT THE PROJECT SHALL HAVE A RED "OUT OF SERVICE" DISK (JOSEPH G. POLLARD CO. OR EQUAL) ATTACHED TO 4" PUMPER NOZZLE CAP. DISK TO BE REMOVED AFTER WATER SYSTEM HAS BEEN APPROVED FOR SERVICE BY THE DEPARTMENT.

THE DEPARTMENT SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY TESTING PROCEDURES. AFTER FLUSHING IS COMPLETED, LINE PRESSURE SHALL BE APPLIED TO THE WATER SYSTEM TO DETERMINE IF ANY MAJOR DEFECTS ARE PRESENT. THE COMPLETE WATER SYSTEM SHALL THEN BE TESTED AT A PRESSURE OF 150 PSI FOR A PERIOD OF NOT LESS THAN TWO HOURS. THE DEPARTMENT MAY, AT ITS DISCRETION, INCREASE THE PERIOD TO FOUR HOURS. MAXIMUM LENGTH OF LINE TO BE TESTED AT ONE TIME SHALL NOT EXCEED 1500 LINEAR FEET. AN OIL FILLED PRESSURE GAUGE UP TO 200 PSI AT 2 POUND INCREMENTS SHALL BE USED FOR ALL PRESSURE TESTS. NO VISIBLE MOVEMENT OF THE SYSTEM SHALL OCCUR AND LEAKAGE SHALL NOT EXCEED:

$L = S \sqrt{P}$
14,800
WHERE: L=ALLOWABLE LEAKAGE IN GALLONS
S= LENGTH OF PIPE IN FEET
P = TEST PRESSURE IN PSI
D = DIAMETER OF PIPE IN INCHES

NOTE: OKEECHOBEE UTILITY AUTHORITY MINIMUM DESIGN AND CONSTRUCTION STANDARDS (LATEST EDITION) ARE TO BE ADHERED TO AND WILL BE ENFORCED TO AT LEAST THESE MINIMUM STANDARDS.

ALL CONCRETE
TO BE CLASS
'B' 3500 PSI
(UNLESS OTHERWISE NOTED)

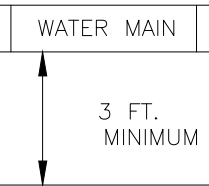
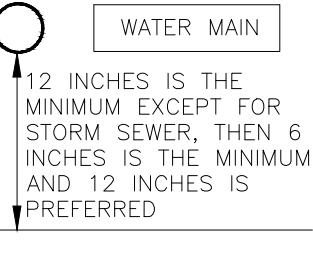
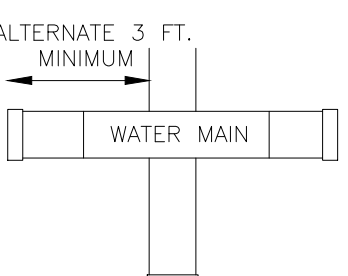
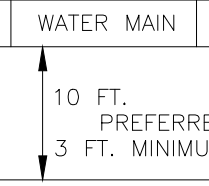
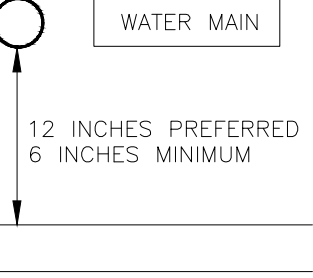
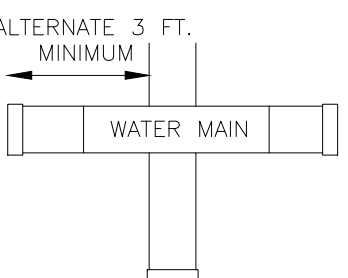
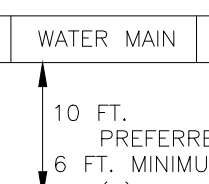
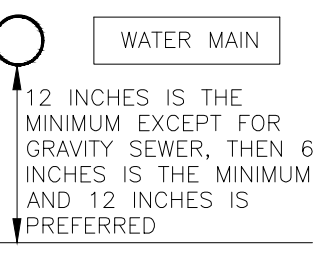
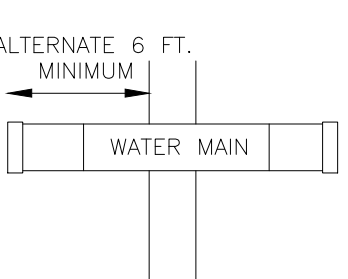

NOTE: OKEECHOBEE UTILITY AUTHORITY OPERATING HOURS
MONDAY-THURSDAY 7:00 AM - 5:30 PM



SEWER GENERAL NOTES

1. SEWERS SHALL BE LAID ACCURATELY TO BOTH GRADE AND LINE. THE OUA WILL NOT ACCEPT ANY LINE LAID WITH A SLOPE LESS THAN 10% OF THE MINIMUM SLOPE.
 2. VISIBLE LEAKAGE, DEFLECTIONS, HORIZONTAL MISALIGNMENT, SIGNIFICANT BOWING, NON-CONSTANT SLOPES BETWEEN MANHOLES AND SAGGING JOINTS SHALL BE GROUNDS FOR REJECTION OF THE INSTALLED SEWER OR PORTIONS THEREOF.
 3. THE MAXIMUM ACCEPTABLE DEVIATION SHALL BE 7.5% OF THE INSIDE DIAMETER OF THE PIPE WITH NO GREATER OCCURRENCE THAT ONE EACH HUNDRED FEET.
 4. MINIMUM COVER ON A PVC SANITARY SEWER SHALL BE 4' TO THE INVERT, DIP SHALL BE PLACED FOR LENGTHS WITH LESS THAN MINIMUM COVER.
 5. MANHOLES SHALL BE SET ACCORDING TO THE APPROVED CONSTRUCTION PLANS AND SHALL BE PRECAST IN ACCORDANCE WITH THE OUA'S STANDARD DETAILS.
 6. ALL GRAVITY SEWER LINES SHALL BE INSPECTED AND TESTED IN ACCORDANCE WITH OUA MANUAL OF STANDARDS LATEST VERSION. 62-555.314 LOCATION OF PUBLIC WATER SYSTEM MAINS.
- FOR THE PURPOSE OF THIS SECTION, THE PHRASE "WATER MAINS" SHALL MEAN MAINS, INCLUDING TREATMENT PLANT PROCESS PIPING, CONVEYING EITHER RAW, PARTIALLY TREATED, OR FINISHED DRINKING WATER; FIRE HYDRANT LEADS; AND SERVICE LINES THAT ARE UNDER THE CONTROL OF A PUBLIC WATER SYSTEM AND THAT HAVE AN INSIDE DIAMETER OF THREE INCHES OR GREATER.
1. HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.
 - A. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
 - B. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.
 - C. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.
 - D. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.
 2. VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.
 - A. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
 - B. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
 - C. AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
 3. SEPARATION BETWEEN WATER MAINS AND SANITARY OR STORM SEWER MANHOLES

LOCATION OF PUBLIC WATER SYSTEM MAINS IN ACCORDANCE WITH F.A.C. RULE 62-555.314

OTHER PIPES	HORIZONTAL SEPERATION	CROSSING (1)	JOINT SPACING @ CROSSINGS (FULL JOINT CENTERED)
STORM SEWER, STORMWATER FORCE MAIN, RECLAIM WATER (2)			
VACUUM SANITARY SEWER			
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER, FORCEMAIN RECLAIM WATER (4)			
ON-SITE SEWAGE TREATMENT & DISPOSAL		---	---

FAC RULE 62-555.314 NOTES:

1. WATERMAIN TO CROSS OVER CONFLICT PIPES WHEREVER POSSIBLE, MAINTAINING 30 INCHES COVER AND 6 INCHES SEPARATION AS MINIMUMS. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MIN. SEPARATION IS 12 INCHES.
2. RECLAIMED WATER REGULATED UNDER PART III OF CHAPER 62-610, F.A.C.
3. 3 FT FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.
4. RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

NOTES:

- A. THESE METHODS ARE TO BE USED WHEN INSUFFICIENT COVER EXISTS TO ALLOW PRESSURE PIPE TO CROSS ABOVE CONFLICT PIPE WITH 6 INCHES VERTICAL SEPARATION AND MAINTAIN 30 INCHES COVER TO FINISHED GRADE.
- B. FITTINGS SHALL BE RESTRAINED WITH MECHANICAL RESTRAINTS (MEGALUG), IN ACCORDANCE WITH OUA STANDARD DETAILS.
- C. THE DEFLECTION TYPE CROSSING IS PREFERRED.
- D. DO NOT EXCEED 75% OF MANUFACTURERS RECOMMENDED MAXIMUM JOINT DEFLECTION.
- E. MECHANICALLY RESTRAIN ALL FITTINGS, AS PER MANUFACTURERS RECOMMENDATION AND OUA STANDARD DETAILS.

WATER MAIN - SANITARY SEWER CONFLICT

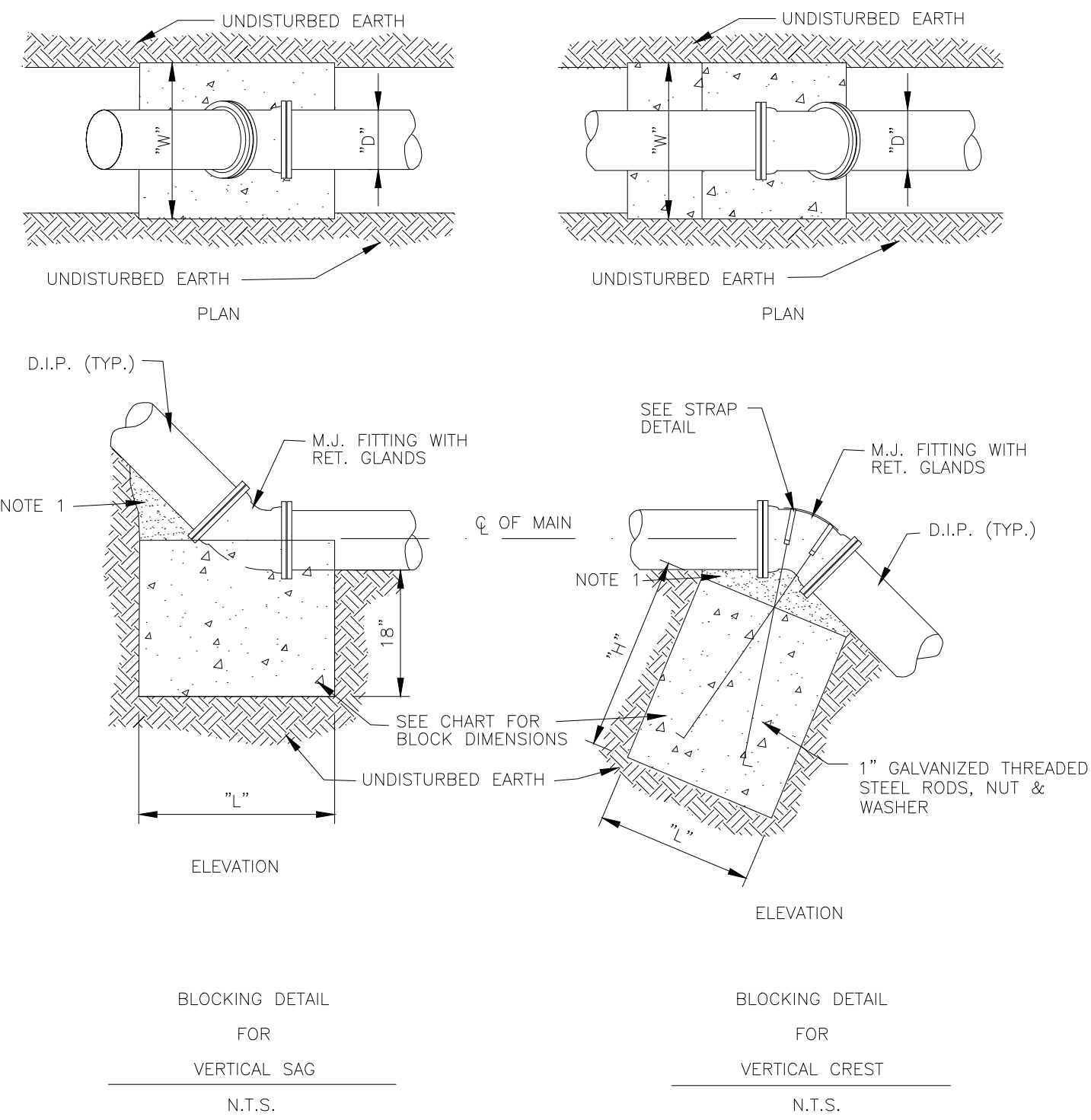
10/15 OUA #16
N.T.S. NEWLINES

- A. NO WATER MAIN SHALL PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A SANITARY SEWER MANHOLE.
- B. EFFECTIVE AUGUST 28, 2003, WATER MAINS SHALL NOT BE CONSTRUCTED OR ALTERED TO PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A STORM SEWER MANHOLE OR INLET STRUCTURE. WHERE IT IS NOT TECHNICALLY FEASIBLE OR ECONOMICALLY SENSIBLE TO COMPLY WITH THIS REQUIREMENT (I.E., WHERE THERE IS A CONFLICT IN THE ROUTING OF A WATER MAIN AND A STORM SEWER AND WHERE ALTERNATIVE ROUTING OF THE WATER MAIN OR THE STORM SEWER IS NOT TECHNICALLY FEASIBLE OR IS NOT ECONOMICALLY SENSIBLE), THE DEPARTMENT SHALL ALLOW EXCEPTIONS TO THIS REQUIREMENT (I.E., THE DEPARTMENT SHALL ALLOW CONSTRUCTION OF CONFLICT MANHOLES), BUT SUPPLIERS OF WATER OR PERSONS PROPOSING TO CONSTRUCT CONFLICT MANHOLES MUST FIRST OBTAIN A SPECIFIC PERMIT FROM THE DEPARTMENT IN ACCORDANCE WITH PART V OF THIS CHAPTER AND MUST PROVIDE IN THE PRELIMINARY DESIGN REPORT OR DRAWINGS, SPECIFICATIONS, AND DESIGN DATA ACCOMPANYING THEIR PERMIT APPLICATION THE FOLLOWING INFORMATION:
 1. TECHNICAL OR ECONOMIC JUSTIFICATION FOR EACH CONFLICT MANHOLE.
 2. A STATEMENT IDENTIFYING THE PARTY RESPONSIBLE FOR MAINTAINING EACH CONFLICT MANHOLE.
 3. ASSURANCE OF COMPLIANCE WITH THE DESIGN AND CONSTRUCTION REQUIREMENTS IN SUB-PARAGRAPHS A. THROUGH D. BELOW.
 - a. EACH WATER MAIN PASSING THROUGH A CONFLICT MANHOLE SHALL HAVE A FLEXIBLE, WATERTIGHT JOINT ON EACH SIDE OF THE MANHOLE TO ACCOMMODATE DIFFERENTIAL SETTLING BETWEEN THE MAIN AND THE MANHOLE.
 - b. WITHIN EACH CONFLICT MANHOLE, THE WATER MAIN PASSING THROUGH THE MANHOLE SHALL BE INSTALLED IN A WATERTIGHT CASING PIPE HAVING HIGH IMPACT STRENGTH (I.E., HAVING AN IMPACT STRENGTH AT LEAST EQUAL TO THAT OF 0.25-INCH-THICK DUCTILE IRON PIPE).
 - c. EACH CONFLICT MANHOLE SHALL HAVE AN ACCESS OPENING, AND SHALL BE SIZED TO ALLOW FOR EASY CLEANING OF THE MANHOLE.
 - d. GRATINGS SHALL BE INSTALLED AT ALL STORM SEWER INLETS UPSTREAM OF EACH CONFLICT MANHOLE TO PREVENT LARGE OBJECTS FROM ENTERING THE MANHOLE.
 4. SEPARATION BETWEEN FIRE HYDRANT DRAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS. NEW OR RELOCATED FIRE HYDRANTS WITH UNDERGROUND DRAINS SHALL BE LOCATED SO THAT THE DRAINS ARE AT LEAST THREE FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.; AT LEAST THREE FEET, AND PREFERABLY TEN FEET, FROM ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER; AT LEAST SIX FEET, FROM ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.; AND AT LEAST TEN FEET FROM ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.
 5. EXCEPTIONS. WHERE IT IS NOT TECHNICALLY FEASIBLE OR ECONOMICALLY SENSIBLE TO COMPLY WITH THE REQUIREMENTS IN SUBSECTION (1) OR (2) ABOVE, THE DEPARTMENT (FDEP) SHALL ALLOW EXCEPTIONS TO THESE REQUIREMENTS IF SUPPLIERS OF WATER OR CONSTRUCTION PERMIT APPLICANTS PROVIDE TECHNICAL OR ECONOMIC JUSTIFICATION FOR EACH EXCEPTION AND PROVIDE ALTERNATIVE CONSTRUCTION FEATURES THAT AFFORD A SIMILAR LEVEL OF RELIABILITY AND PUBLIC HEALTH PROTECTION. ACCEPTABLE ALTERNATIVE CONSTRUCTION FEATURES INCLUDE THE FOLLOWING:
 - A. WHERE AN UNDERGROUND WATER MAIN IS BEING LAID LESS THAN THE REQUIRED MINIMUM HORIZONTAL DISTANCE FROM ANOTHER PIPELINE AND WHERE AN UNDERGROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND JOINTS IN THE WATER MAIN ARE BEING LOCATED LESS THAN THE REQUIRED MINIMUM DISTANCE FROM JOINTS IN THE OTHER PIPELINE:
 1. USE OF PRESSURE-RATED PIPE CONFORMING TO THE AMERICAN WATER WORKS ASSOCIATION STANDARDS INCORPORATED INTO RULE 62-555.300, F.A.C., FOR THE OTHER PIPELINE IF IT IS A GRAVITY- OR VACUUM-TYPE PIPELINE.
 2. USE OF WELDED, FUSED, OR OTHERWISE RESTRAINED JOINTS FOR EITHER THE WATER MAIN OR THE OTHER PIPELINE; OR
 3. USE OF WATERTIGHT CASING PIPE OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR EITHER THE WATER MAIN OR THE OTHER PIPELINE.
 - B. WHERE AN UNDERGROUND WATER MAIN IS BEING LAID LESS THAN THREE FEET HORIZONTALLY FROM ANOTHER PIPELINE AND WHERE AN UNDERGROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND IS BEING LAID LESS THAN THE REQUIRED MINIMUM VERTICAL DISTANCE FROM THE OTHER PIPELINE:
 1. USE OF PIPE, OR CASING PIPE, HAVING HIGH IMPACT STRENGTH (I.E., HAVING AN IMPACT STRENGTH AT LEAST EQUAL TO THAT OF 0.25-INCH-THICK DUCTILE IRON PIPE) OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR THE WATER MAIN; AND
 2. USE OF PIPE, OR CASING PIPE, HAVING HIGH IMPACT STRENGTH (I.E., HAVING AN IMPACT STRENGTH AT LEAST EQUAL TO THAT OF 0.25-INCH-THICK DUCTILE IRON PIPE) OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR THE OTHER PIPELINE IF IT IS NEW AND IS CONVEYING WASTEWATER OR RECLAIMED WATER.

#3 04-02-2025	REV. PER FDOT COMMENTS DATED 03-06-2025	JT	POC
#2 02-20-2025	REV. PER FDOT COMMENTS DATED 02-17-2025	JT	POC
#1 02-03-2025	REV. PER FDOT COMMENTS DATED 01-30-2025	JT	POC
#0	DATE DESCRIPTION	ENG	CAD

STEVEN L. DOBBS, P.E.		209 NE 2nd Street Okeechobee, Florida 34974 SLD Phone (863) 824-7644 Newlines Phone (732) 984-4401 Florida@newlinesco.com ENGINEERING • SOILS	
UTILITY NOTES		PROJECT NO.	FL23001
		ENGINEER	JB
		DRAFTER	PODCB
		MANAGER	EW
		SCALE	AS SHOWN
		DATE	2025-05-30
		SHEET	24 OF 29
FLORIDA PROFESSIONAL ENGINEER LICENSE NO. 48134		2605 HWY 441 S HOLDINGS LLC	
		SEC. 28, TOWNSHIP 35 SOUTH, RANGE 25 EAST	
		OKEECHOBEE CITY, FLORIDA	
DATE			

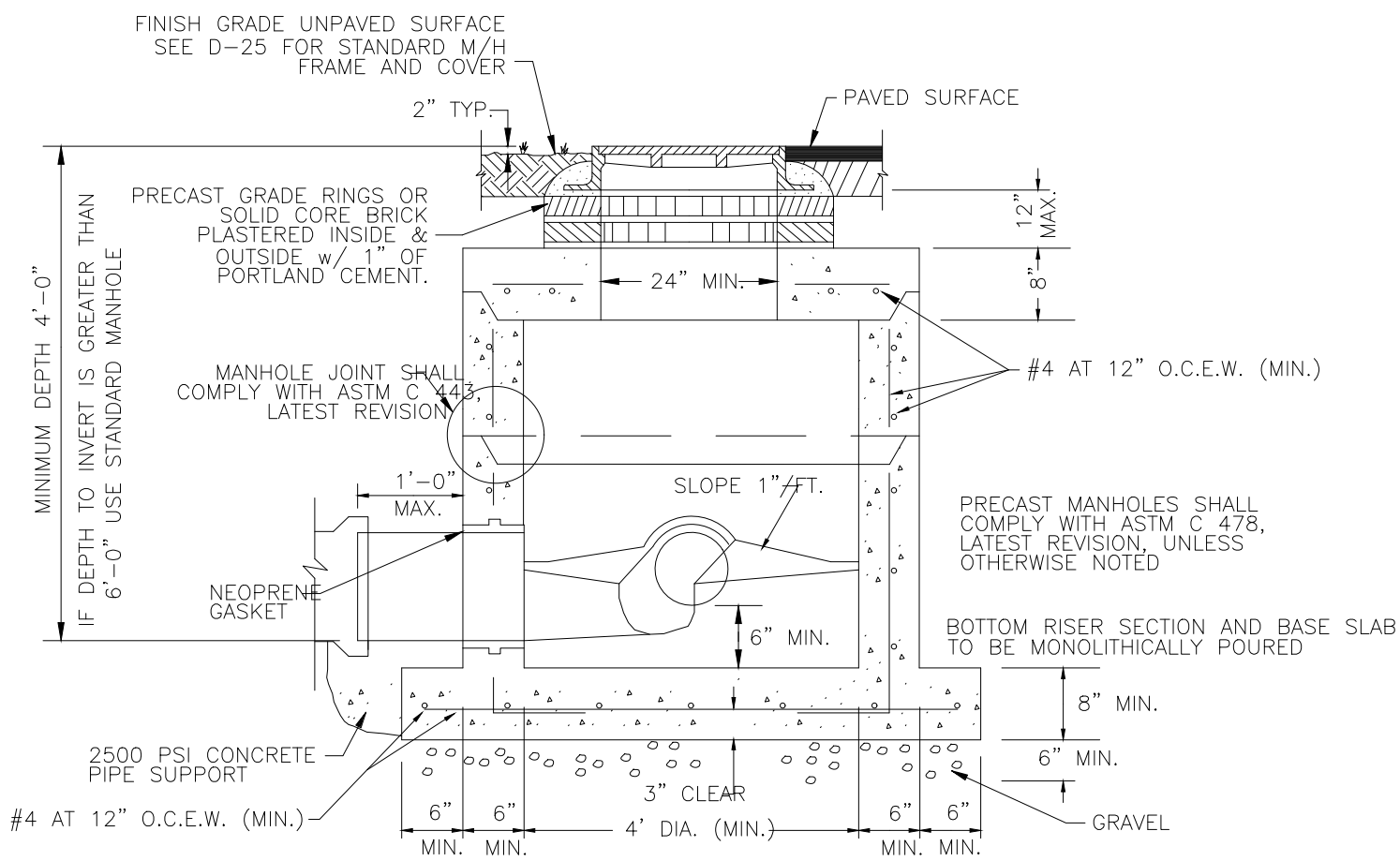
THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADOPTION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.



- NOTES:
1. ANY VOID BETWEEN MAIN AND GRAVITY BLOCK TO BE FILLED WITH GROUT BY CONTRACTOR
 2. FITTINGS SHALL BE WRAPPED WITH SUITABLE COVERING TO PREVENT ADHERENCE TO GRAVITY BLOCK.
 3. USE MEGALUGS ON ALL FITTINGS.
 4. THRUST BLOCKS ONLY ON EXISTING LINES AND WHEN PRE-APPROVED BY THE EXECUTIVE DIRECTOR

GRAVITY BLOCKS FOR PRESSURE PIPING

10/15 OUA #14
N.T.S. NEWLINES



- NOTES:
1. PRECAST CONCRETE TYPE II 4000 P.S.I.
 2. "RAMMEK" OR EQUAL AT ALL RISER JOINTS (1/2" THICK WITH WIDTH AT LEAST 1/2 THE WALL THICKNESS) WITH GROUT INSIDE AND OUTSIDE.
 3. ALL OPENINGS SHALL BE SEALED WITH A WATERPROOF NON-SHRINKING GROUT.
 4. FLOW CHANNELS SHALL BE CONSTRUCTED TO DIRECT INFLUENT INTO FLOW STREAM (SEE DETAIL).
 5. LIFT HOLES ARE PERMITTED AND SHALL BE SEALED AFTER PLACEMENT OF RISER.
 6. ALL PIPE HOLES SHALL BE PRECAST OR CORE-DRILLED.
 7. APPROVED RUBBER BOOTS MUST BE USED WITH PVC PIPE.
 8. INSIDE DROPS SHALL NOT EXCEED 2.0 FEET.
 9. COAT INTERIOR & EXTERIOR WITH 2 COATS COAT TAR EPOXY, OR PRO-TECH COATING, 8 mil. MIN. DRY FILM THICKNESS EACH COAT OR OUA APPROVED EQUAL

SHALLOW MANHOLE

10/15 OUA #26
N.T.S. NEWLINES

MECHANICAL THRUST RESTRAINT CHART 1											
PIPE SIZE, in	90° BEND		45° BEND		22 1/2° BEND		11 1/4° BEND		DEADEND/VALVE		
	PVC	DIP	PVC	DIP	PVC	DIP	PVC	DIP	PVC	DIP	
4	21	16	9	7	5	4	2	2	45	29	
6	28	23	12	10	6	5	3	3	63	40	
8	37	29	16	12	8	6	4	3	83	53	
10	44	35	18	15	9	7	5	4	99	63	
12	51	41	21	17	11	8	5	4	116	74	
14	57	46	24	19	12	10	6	5	132	83	
16	64	51	27	21	13	11	7	5	149	94	
18	70	56	29	24	14	12	7	6	164	104	
20	76	61	32	26	16	13	8	6	179	113	
24	87	70	36	29	18	14	9	7	208	131	

THRUST RESTRAINT CHART BASED UPON THE FOLLOWING:
PVC/DIP: PIPE MATERIAL, AS NOTED
SP: SOIL TYPE (designer to confirm)
1.5: SAFETY FACTOR (minimum)
3: TRENCH TYPE (designer to confirm)
2.5: DEPTH OF BURY, ft (designer to confirm)
100: TEST PRESSURE, psi (minimum)

THE MINIMUM LENGTH OF PIPE OUT OF ANY VALVE OR FITTING SHOULD BE 20 LF. FITTINGS NOT SHOWN TO BE CALCULATED UTILIZING THE CRITERIA LISTED ABOVE AND SUBMITTED IN A SHOP DRAWING VALUES SHOWN IN CHART INDICATE LENGTH (LF) OF PIPE TO BE RESTRAINED ON EITHER SIDE OF ITEM LISTED

NOTE 1:ANY CONDITION OTHER THAN THOSE LISTED ABOVE (including poly-wrapped DIP) SHALL REQUIRE REVISION OF THE TABLE IN ACCORDANCE WITH EBAA IRON, INC., RESTRAINT LENGTH CALCULATOR (V. 5.4). (<http://www.ebaa.com/engineering.htm> or <http://rcp.ebaa.com>)

NOTE 2:THE REVISED CHARTS SHALL BE SUBMITTED TO OUA AS A SHOP DRAWING SUBMITTAL.

WATER THRUST RESTRAINT

10/15 OUA #50
N.T.S. NEWLINES

MECHANICAL THRUST RESTRAINT CHART 2											
MAIN RUN, in	BRANCH, in	TEE		LARGE SIZE	SMALL LARGE	REDUCER		LARGE SIZE	SMALL LARGE	REDUCER	
		PVC	DIP			PVC	DIP			PVC	DIP
4	4	1	1	6	4	33	21	6	4	22	14
6	4	1	1	8	4	60	38	8	4	40	25
6	6	1	1	8	6	35	22	8	6	23	15
8	4	1	1	10	4	81	51	10	4	54	34
8	6	1	1	10	6	61	39	10	6	41	26
8	8	7	5	10	8	33	21	10	8	22	14
10	6	1	1	12	4	101	64	12	4	68	43
10	8	1	1	12	6	85	54	12	6	57	36
10	10	21	14	12	8	62	39	12	8	41	26
12	6	1	1	16	4	138	87	16	4	92	58
12	8	1	1	16	6	126	79	16	6	84	53
12	12	36	24	16	8	109	68	16	8	73	46
16	6	1	1	16	12	63	40	16	12	42	27
16	8	1	1	18	4	154	97	18	4	103	65
16	16	65	43	18	6	144	91	18	6	96	61
18	6	1	1	18	8	129	81	18	8	86	54
18	8	1	1	20	4	171	107	20	4	114	72
18	18	79	52	20	6	161	101	20	6	108	68
20	6	1	1	20	8	148	93	20	8	99	62
20	8	1	1	20	12	113	71	20	12	75	47
20	20	92	61	24	4	201	127	24	4	134	85
24	6	1	1	24	6	194	122	24	6	129	81
24	8	1	1	24	8	183	115	24	8	122	77
24	24	118	78	24	12	154	97	24	12	103	65

THRUST RESTRAINT CHART BASED UPON THE FOLLOWING:
PVC/DIP: PIPE MATERIAL, AS NOTED
SP: SOIL TYPE (designer to confirm)
1.5: SAFETY FACTOR (minimum)
3: TRENCH TYPE (designer to confirm)
2.5: DEPTH OF BURY, ft (designer to confirm)
100: TEST PRESSURE, psi (minimum)

THE MINIMUM LENGTH OF PIPE OUT OF ANY VALVE OR FITTING SHOULD BE 20 LF. FITTINGS NOT SHOWN TO BE CALCULATED UTILIZING THE CRITERIA LISTED ABOVE AND SUBMITTED IN A SHOP DRAWING VALUES SHOWN IN CHART INDICATE LENGTH (LF) OF PIPE TO BE RESTRAINED ON EITHER SIDE OF ITEM LISTED

NOTE 1:ANY CONDITION OTHER THAN THOSE LISTED ABOVE (including poly-wrapped DIP) SHALL REQUIRE REVISION OF THE TABLE IN ACCORDANCE WITH EBAA IRON, INC., RESTRAINT LENGTH CALCULATOR (V. 5.4). (<http://www.ebaa.com/engineering.htm> or <http://rcp.ebaa.com>)

NOTE 2:THE REVISED CHARTS SHALL BE SUBMITTED TO OUA AS A SHOP DRAWING SUBMITTAL.

WATER THRUST RESTRAINT

10/15 OUA #51
N.T.S. NEWLINES

MECHANICAL THRUST RESTRAINT CHART 1											
PIPE SIZE, in	90° BEND		45° BEND		22 1/2° BEND		11 1/4° BEND		DEADEND/VALVE		
	PVC	DIP	PVC	DIP	PVC	DIP	PVC	DIP	PVC	DIP	
4	14	11	6	5	3	3	2	2	30	19	
6	19	15	8	7	4	3	2	2	42	27	
8	25	20	11	8	5	4	3	2	55	35	
10	29	23	12	10	6	5	3	3	66	42	
12	34	27	14	12	7	6	4	3	78	49	
14	38	31	16	13	8	7	4	3	88	56	
16	43	34	18	14	9	7	5	4	99	63	
18	47	38	20	16	10	8	5	4	110	69	
20	51	41	21	17	11	9	5	4	120	75	
24	58	47	24	20	12	10	6	5	139	88	

THRUST RESTRAINT CHART BASED UPON THE FOLLOWING:
PVC/DIP: PIPE MATERIAL, AS NOTED
SP: SOIL TYPE (designer to confirm)
1.5: SAFETY FACTOR (minimum)
3: TRENCH TYPE (designer to confirm)
2.5: DEPTH OF BURY, ft (designer to confirm)
100: TEST PRESSURE, psi (minimum)

THE MINIMUM LENGTH OF PIPE OUT OF ANY VALVE OR FITTING SHOULD BE 20 LF. FITTINGS NOT SHOWN TO BE CALCULATED UTILIZING THE CRITERIA LISTED ABOVE AND SUBMITTED IN A SHOP DRAWING VALUES SHOWN IN CHART INDICATE LENGTH (LF) OF PIPE TO BE RESTRAINED ON EITHER SIDE OF ITEM LISTED

NOTE 1:ANY CONDITION OTHER THAN THOSE LISTED ABOVE (including poly-wrapped DIP) SHALL REQUIRE REVISION OF THE TABLE IN ACCORDANCE WITH EBAA IRON, INC., RESTRAINT LENGTH CALCULATOR (V. 5.4). (<http://www.ebaa.com/engineering.htm> or <http://rcp.ebaa.com>)

NOTE 2:THE REVISED CHARTS SHALL BE SUBMITTED TO OUA AS A SHOP DRAWING SUBMITTAL.

FORCE MAIN THRUST RESTRAINT

10/15 OUA #52
N.T.S. NEWLINES

MECHANICAL THRUST RESTRAINT CHART 2											
MAIN RUN, in	BRANCH, in	TEE		LARGE SIZE	SMALL LARGE	REDUCER		LARGE SIZE	SMALL LARGE	REDUCER	
		PVC	DIP			PVC	DIP			PVC	DIP
4	4	1	1	6	4	22	14	6	4	22	14
6	4	1	1	8	4	40	25	8	4	40	25
6	6	1	1	8	6	23	15	8	6	23	15
8	4	1	1	10	4	54	34	10	4	54	34
8	6	1	1	10	6	41	26	10	6	41	26
8	8	1	1	10	8	22	14	10	8	22	14
10	6	1	1	12	4	68	43	12	4	68	43
10	8	1	1	12	6	57	36	12	6	57	36
10	10	1	1	12	8	41	26	12	8	41	26
12	6	1	1	16	4	92	58	16	4	92	58
12	8	1	1	16	6	84	53	16	6	84	53
12	12	1	1	16	8	73	46	16	8	73	46
16	6	1	1	16	12	42	27	16	12	42	27
16	8	1	1	18	4	103	65	18	4	103	65
16	16	18	12	18	6	96	61	18	6	96	61
18	6	1	1	18	8	86	54	18	8	86	54
18	8	1	1	20	4	114	72	20	4	114	72
18	18	27	18	20	6	108	68	20	6	108	68
20	6	1	1	20	8	99	62	20	8	99	62
20	8	1	1	20	12	75	47	20	12	75	47
20	20	36	24	24	4	134	85	24	4	134	85
24	6	1	1	24	6	129	81	24	6	129	81
24	8	1	1	24	8	122	77	24	8	122	77
24	24	52	35	24	12	103	65	24	12	103	65

THRUST RESTRAINT CHART BASED UPON THE FOLLOWING:
PVC/DIP: PIPE MATERIAL, AS NOTED
SP: SOIL TYPE (designer to confirm)
1.5: SAFETY FACTOR (minimum)
3: TRENCH TYPE (designer to confirm)
2.5: DEPTH OF BURY, ft (designer to confirm)
100: TEST PRESSURE, psi (minimum)

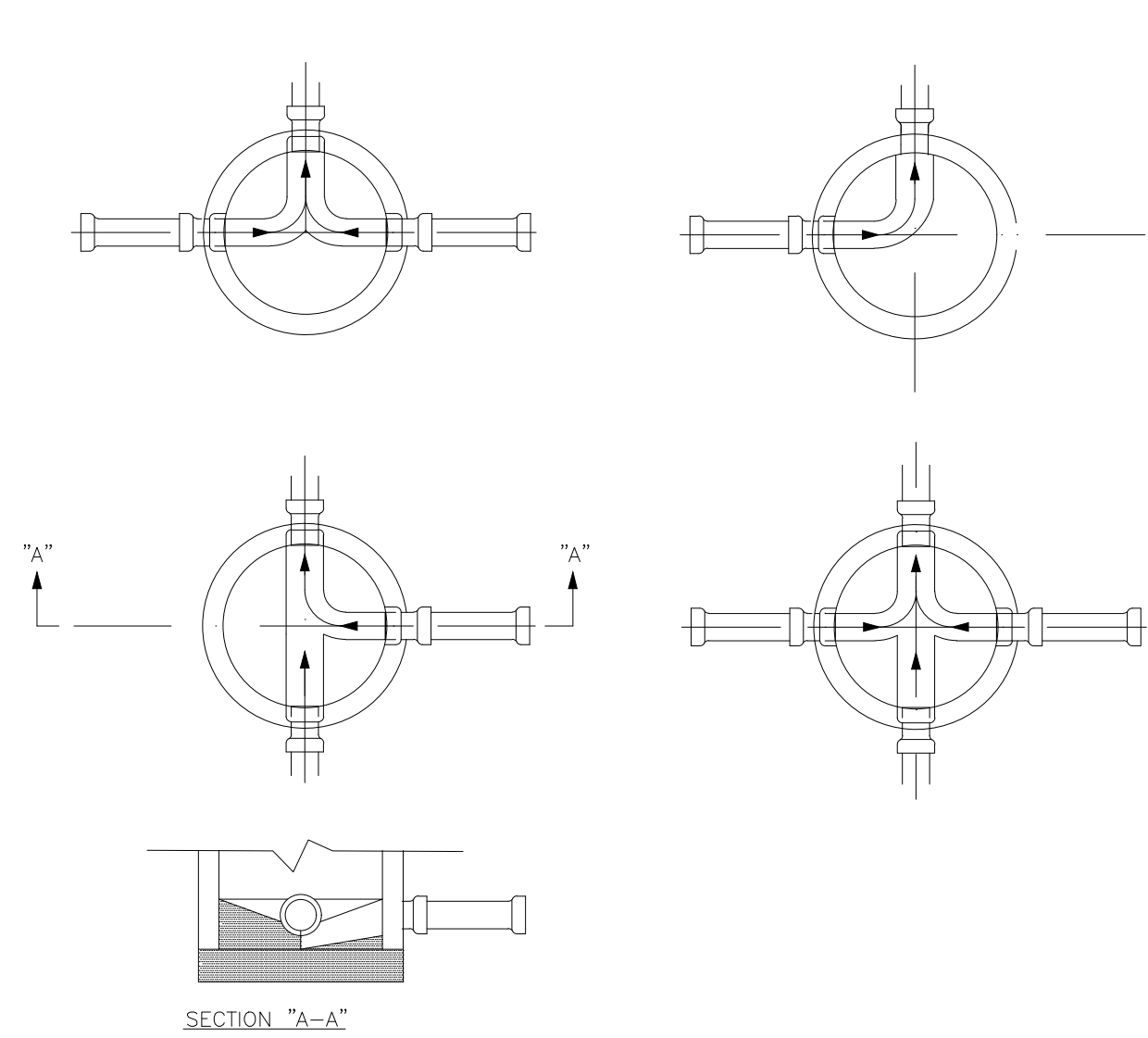
THE MINIMUM LENGTH OF PIPE OUT OF ANY VALVE OR FITTING SHOULD BE 20 LF. FITTINGS NOT SHOWN TO BE CALCULATED UTILIZING THE CRITERIA LISTED ABOVE AND SUBMITTED IN A SHOP DRAWING VALUES SHOWN IN CHART INDICATE LENGTH (LF) OF PIPE TO BE RESTRAINED ON EITHER SIDE OF ITEM LISTED

NOTE 1:ANY CONDITION OTHER THAN THOSE LISTED ABOVE (including poly-wrapped DIP) SHALL REQUIRE REVISION OF THE TABLE IN ACCORDANCE WITH EBAA IRON, INC., RESTRAINT LENGTH CALCULATOR (V. 5.4). (<http://www.ebaa.com/engineering.htm> or <http://rcp.ebaa.com>)

NOTE 2:THE REVISED CHARTS SHALL BE SUBMITTED TO OUA AS A SHOP DRAWING SUBMITTAL.

FORCE MAIN THRUST RESTRAINT

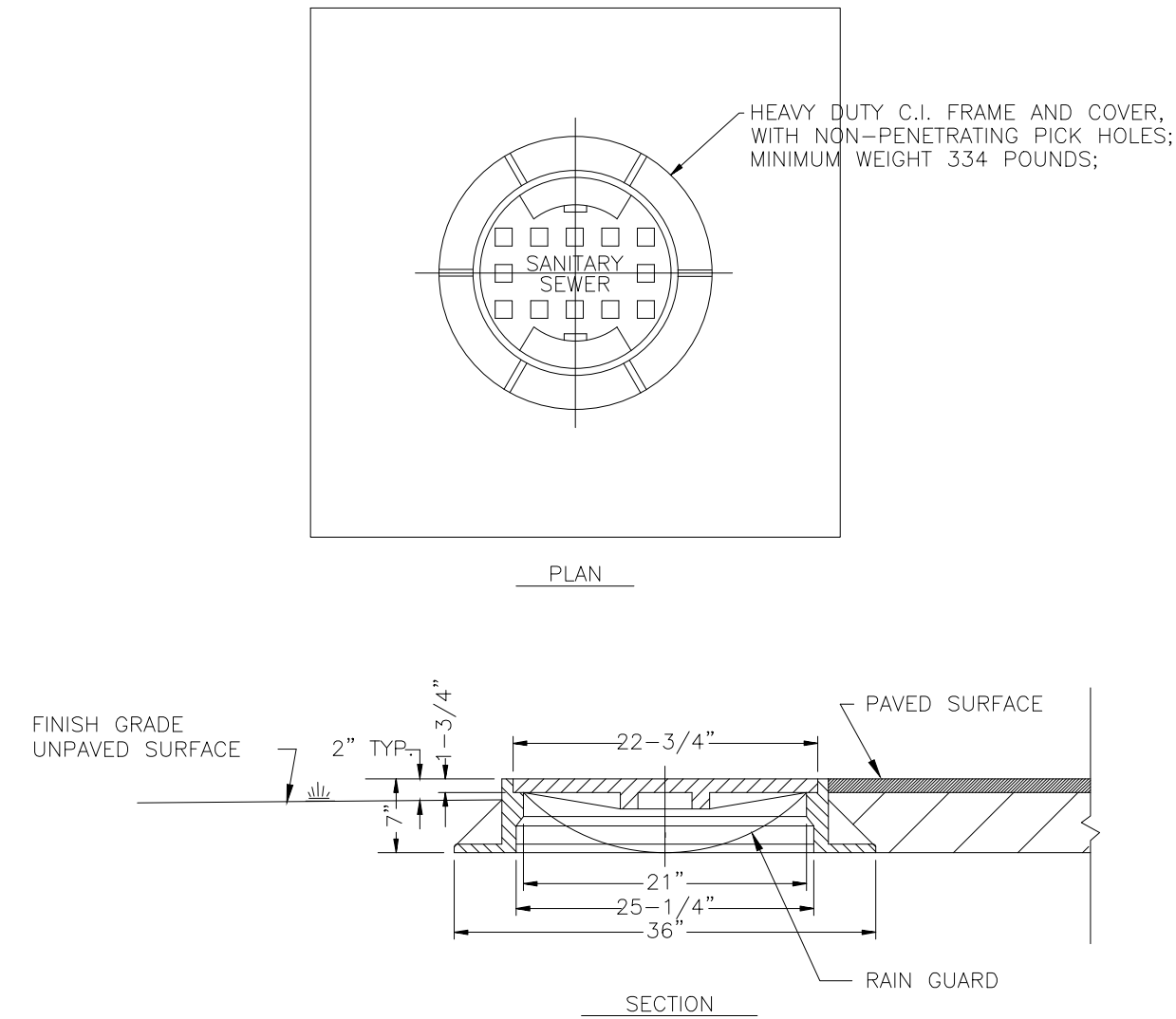
10/15 OUA #53
N.T.S. NEWLINES



- NOTES:
1. INVERT CHANNELS TO BE CONSTRUCTED FOR SMOOTH FLOW WITH NO OBSTRUCTIONS.
 2. SPILLWAYS SHALL BE CONSTRUCTED BETWEEN PIPES WITH DIFFERENT INVERT ELEVATIONS PROVIDING FOR SMOOTH FLOWS.
 3. CHANNELS FOR FUTURE CONSTRUCTION (STUBS) SHALL BE CONSTRUCTED, FILLED WITH SAND, AND COVERED WITH 1" OF MORTAR.
 4. SLOPE MANHOLE WITH A 1:2 SLOPE FROM MANHOLE WALL TO CHANNEL.
 5. INVERT SHALL BE A MINIMUM OF 1/2 THE DIAMETER OF THE LARGEST PIPE OR 4" DEEP.

FLOW PATTERNS FOR MANHOLE INVERTS

10/15 OUA #30
N.T.S. NEWLINES



- NOTES:
1. A WATER-TIGHT MANHOLE "RAIN GUARD" INSERT SHALL BE INSTALLED IN ALL MANHOLES.
 2. A 3'x3'x6" CONCRETE COLLAR SHALL BE INSTALLED WHERE MANHOLE IS INSTALLED IN UNPAVED AREAS
 3. "SANITARY SEWER" FOR WASTEWATER APPLICATIONS.
 4. "WATER" FOR WATER APPLICATIONS.

STANDARD MANHOLE FRAME AND COVER

10/15 OUA #25
N.T.S. NEWLINES



THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADDITION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.

#3 04-02-2025	REV. PER FDOT COMMENTS DATED 03-06-2025	JT	POC
#2 02-20-2025	REV. PER FDOT COMMENTS DATED 02-17-2025	JT	POC
#1 02-03-2025	REV. PER FDOT COMMENTS DATED 01-30-2025	JT	POC
#0	DATE DESCRIPTION	ENG	CAD
STEVEN L. DOBBS, P.E.			
209 NE 2nd Street Okeechobee, Florida 34974 SLO Phone (888) 824-7644 Newlines Phone (732) 984-4500 Florida@newlinesco.com			
ENGINEERING • SOILS			
UTILITY DETAILS		PROJECT NO.	FL23001
		ENGINEER	JB
		DRAFTER	POCDB
		MANAGER	EW
		SCALE	AS SHOWN
		DATE	2025-05-30
		SHEET	25 OF 29
2605 HWY 441 S HOLDINGS LLC SEC. 28, TOWNSHIP 35 SOUTH, RANGE 25 EAST OKEECHOBEE CITY, FLORIDA			

SPECIFICATIONS

- Notes:
- 4" FPT inlet/outlet with 4" plain end adapters, single inlet and triple outlet.
 - Unit weight - w/ cast iron covers: 190 lbs. (For wet weight add 1,043 lbs.)
 - Maximum operating temperature: 150° F continuous
 - Capacities - Liquid: 125 gal.
Grease: 861 lbs. (118 gal.) @75 GPM
Solids: 31 gal.
 - For gravity drainage applications only.
 - Do not use for pressure applications.
 - Cover placement allows full access to tank for proper maintenance.
 - Vent not required unless per local code.
 - Engineered inlet and outlet diffusers with inspection ports are removable to inspect / clean piping.
 - Integral air relief / Anti-siphon / Sampling access.
 - Adjustable cover adapter provides up to 4" of additional height.
 - Designed for below-grade, above-grade, indoor and outdoor installations.
 - Safety Star® access restrictor built into cover adapter, prevents accidental entry to tank (450 lb rating).

ENGINEER SPECIFICATION GUIDE
Schier Great Basin™ grease interceptor model # GB-75 shall be lifetime guaranteed and made in USA of seamless, rotationally-molded polyethylene with minimum 3/8" uniform wall thickness. Interceptor shall be furnished for above or below-grade installation with adjustable cover adapter, Safety Star® access restrictor built into each cover adapter, and three outlet options. Interceptor shall be certified to ASME A112.14.3 (Type D) and CSA B481.1. Interceptor flow rate shall be 75 GPM. Interceptor grease capacity shall be 861 lbs. Cover shall provide water/gas-tight seal and have minimum 16,000 lbs. load capacity.

CERTIFIED PERFORMANCE
Great Basin™ hydromechanical grease interceptors are third party performance-tested and listed by IAPMO to ASME A112.14.3 and CSA B481.1 grease interceptor standards and greatly exceed requirements for grease separation and storage. They are compliant to the Uniform Plumbing Code and the International Plumbing Code.

Type D certification does not require a flow control

SPECIFICATION SHEET

MODEL NUMBER:

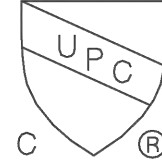
GB-75

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SCHIER PRODUCTS, INC. NO REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SCHIER PRODUCTS IS PROHIBITED.

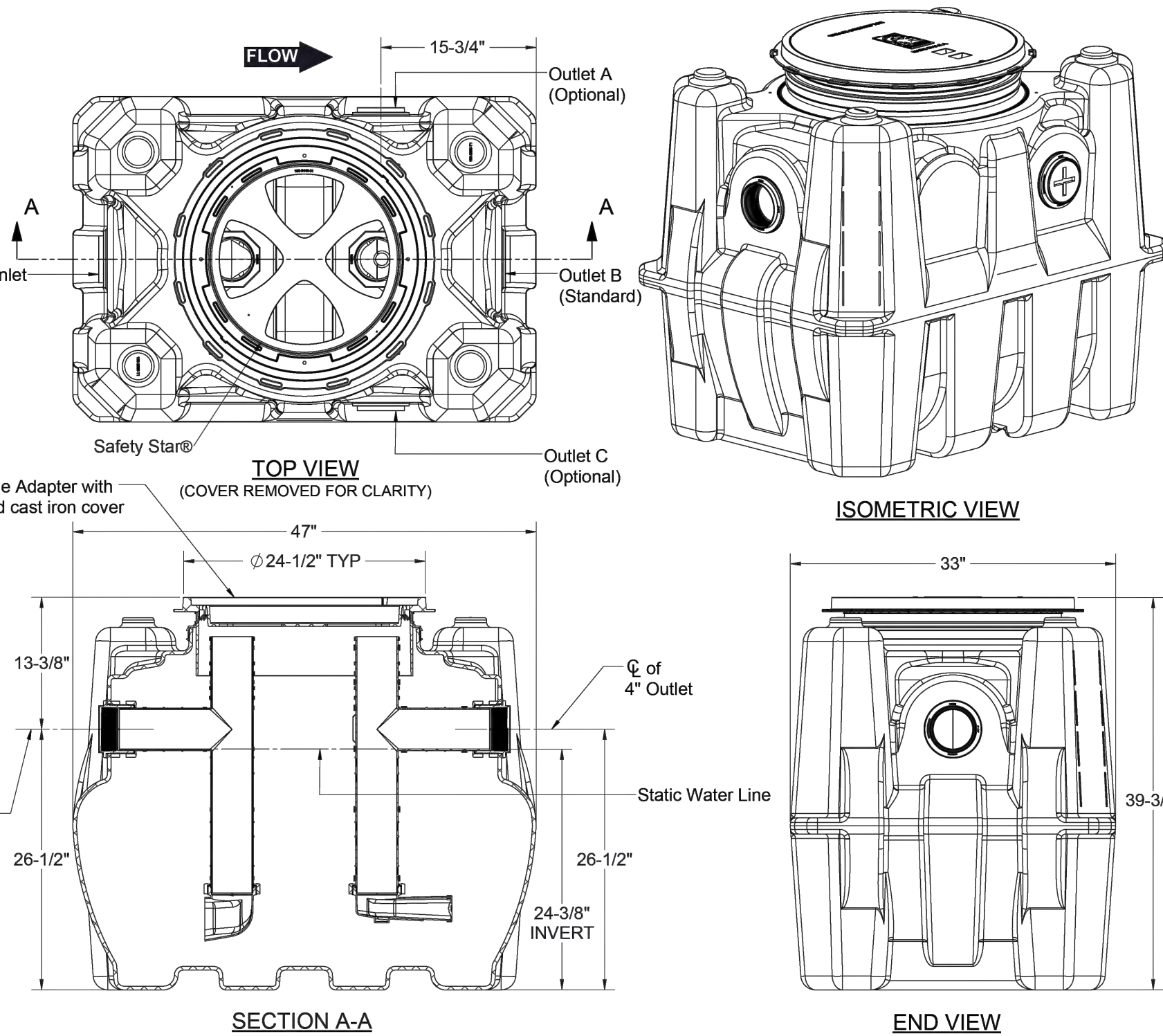
PART NUMBER: 4045-007-02

DESCRIPTION:
GB-75 GREASE INTERCEPTOR 75 GPM, 4" INLET/OUTLET, H-20 RATED CAST IRON COVER

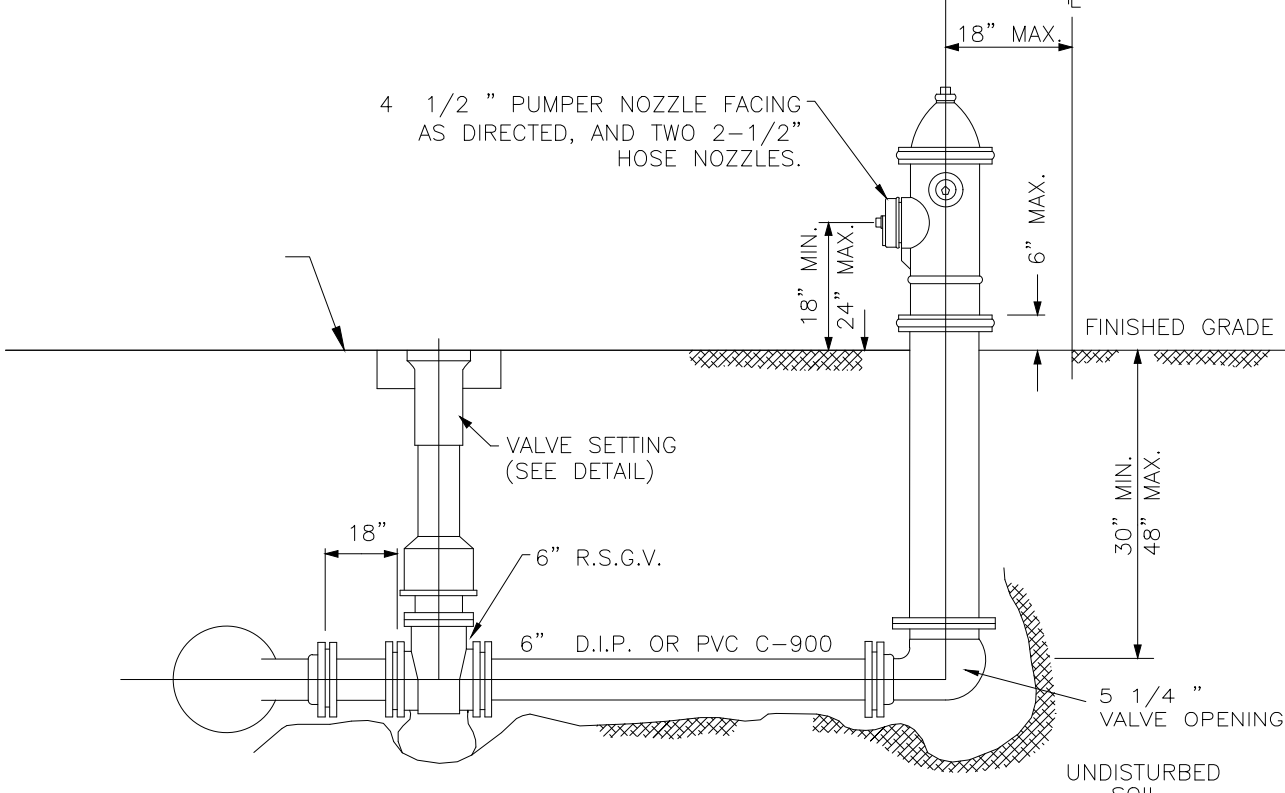
DWG BY: C. BUSENITZ DATE: 4/14/2022 REV: - ECO: -



SCHIER
6455 Woodland Dr
Shawnee, KS 66216
Tel: 913-951-3300
Fax: 913-951-3399
schierproducts.com



PIPING TO BE MECHANICAL JOINT RESTRAINED

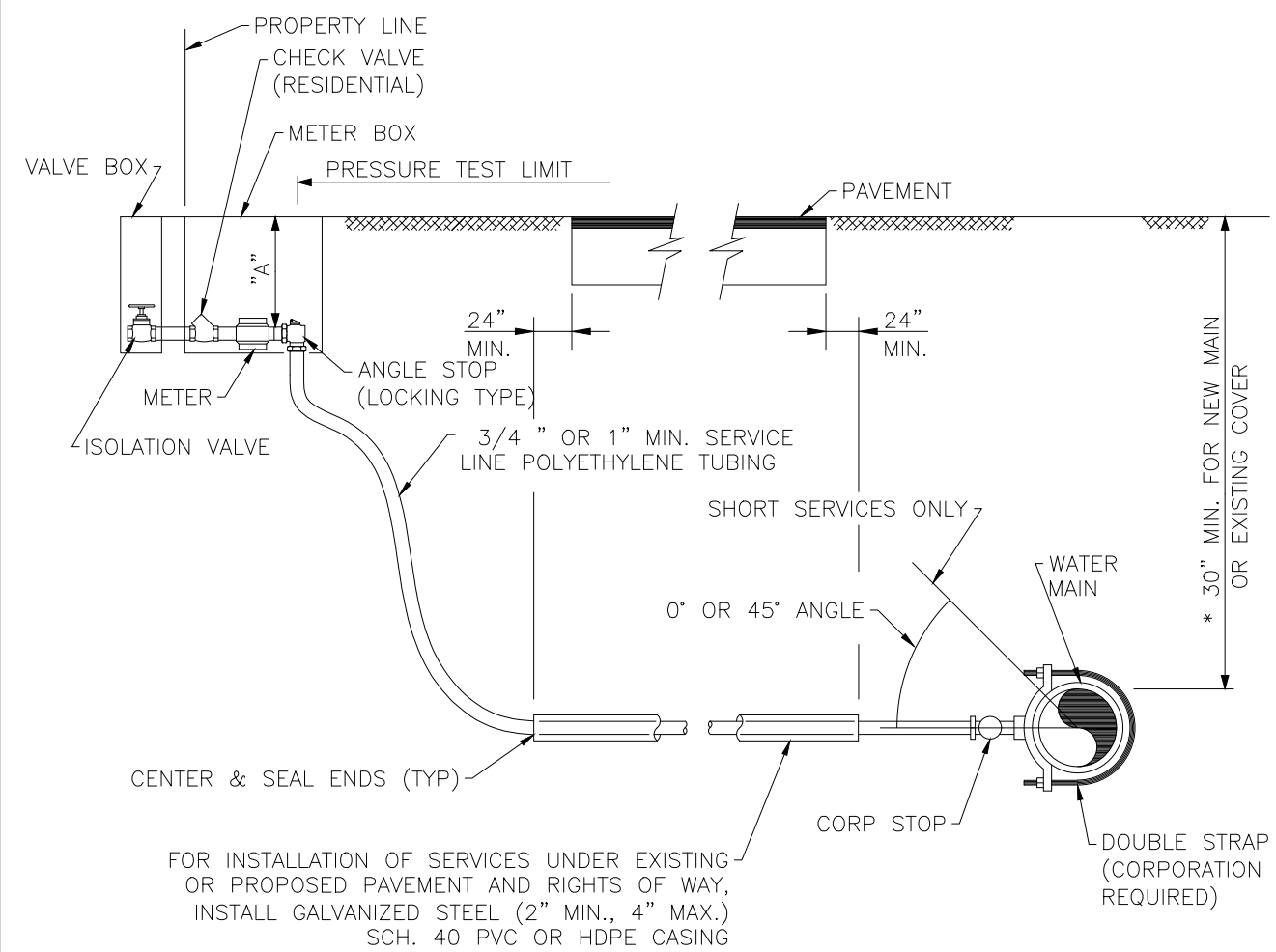


NOTES:

- HYDRANT SHALL BE INSTALLED PLUMB AND TRUE.
- THE MODEL COLOR TO BE SAFETY YELLOW, HYDRANT SHALL BE PER OUA REQUIREMENTS.
- VALVE SHALL BE PLACED ADJACENT TO MAIN, TIED TO TEE.
- ANCHOR TEES ARE PERMITTED.
- ALL HYDRANTS SHALL BE TEE'D OFF MAINS.
- HYDRANTS SHALL NOT BE PLACED IN SIDEWALKS, ROADWAYS OR BIKEPATHS.
- MEGALUGS ON ALL FITTINGS.
- HYDRANTS SHALL BE BAGGED UNTIL SYSTEM IS PLACED IN SERVICE.

TYPICAL FIRE HYDRANT ASSEMBLY

10/15 OUA #11
N.T.S. NEWLINES



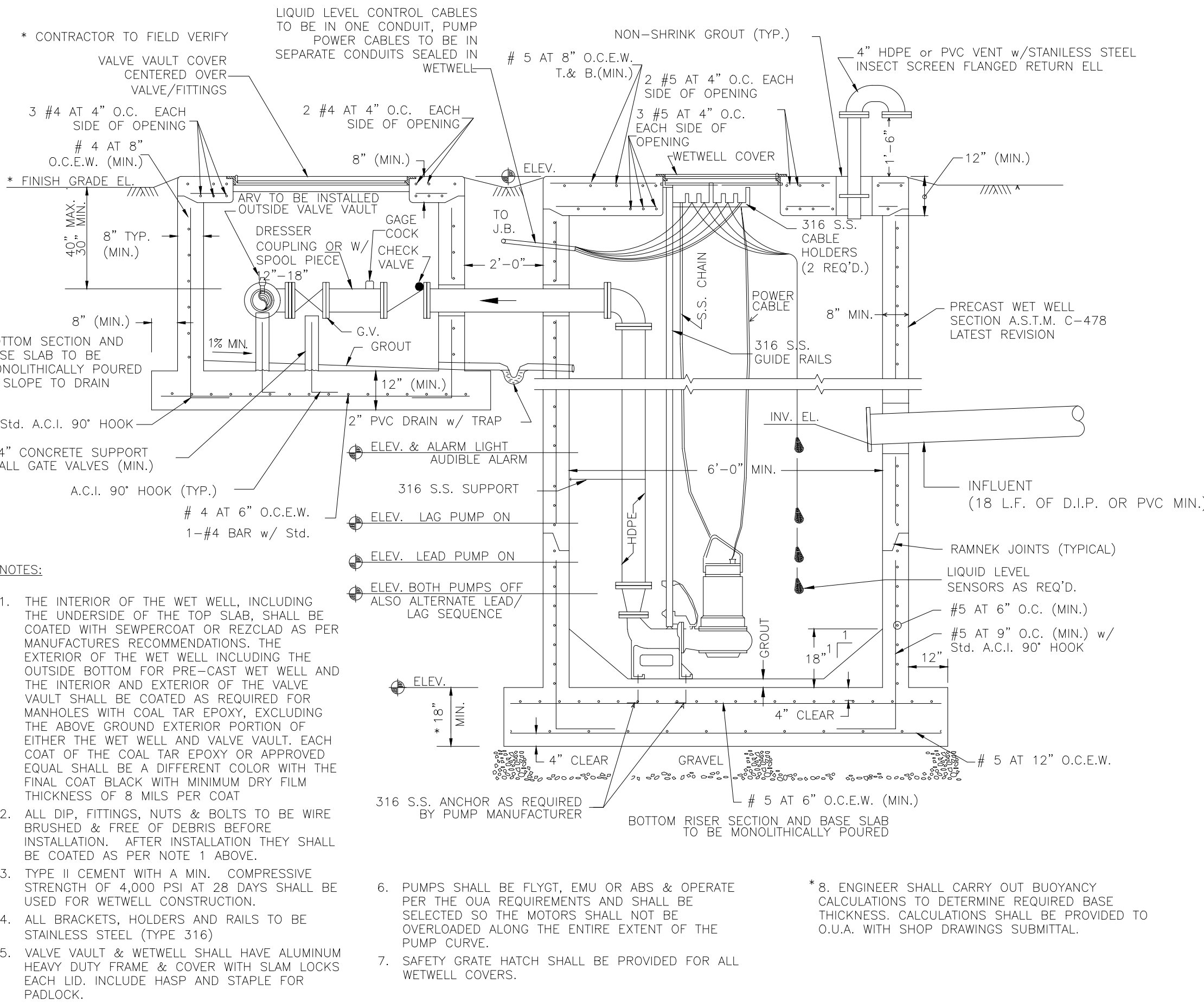
NOTES:

- SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE SPACED A MINIMUM OF 18" APART. TAPS SPACED BETWEEN 18" TO 48" SHALL BE OFFSET TO EACH SIDE OF THE MAIN, OR OFFSET 45°.
- METER BOX SHALL BE SET TO CONFORM TO FINISHED GRADE ADJACENT TO PROPERTY LINE. METER BOX SHALL NOT BE PLACED IN SIDEWALK OR DRIVEWAY AREAS. SERVICE LINES SHALL NOT BE PLACED UNDER DRIVEWAYS.
- SERVICE CONNECTION TUBING TO BE POLYETHYLENE AND MAXIMUM LENGTH OF 100'.
- ALL 5/8" & 1" METERS REQUIRE A 3/4" & 1" LOCKING ANGLE METER VALVE RESPECTIVELY.
- AFTER METER INSTALLATION, INSTALL LINE VALVE IN CUSTOMER SERVICE LINE.
- DIMENSION "A" = 7" (5/8" X 3/4" METER) = 8" (1" METER)
- CONTRACTOR TO PROVIDE & INSTALL ENTIRE WATER SERVICE UP TO ANGLE STOP INCLUDING METER BOX.
- OUA TO PROVIDE AND INSTALL METER.
- OUA TO INSTALL IN-LINE DUAL CHECK VALVE. (RESIDENTIAL).
- OUA TO INSTALL ISOLATION VALVE & BOX ON CUSTOMER SIDE OF METER INSTALLATION.

36" MIN. IN STATE ROAD R/W & UNDER ASPHALT

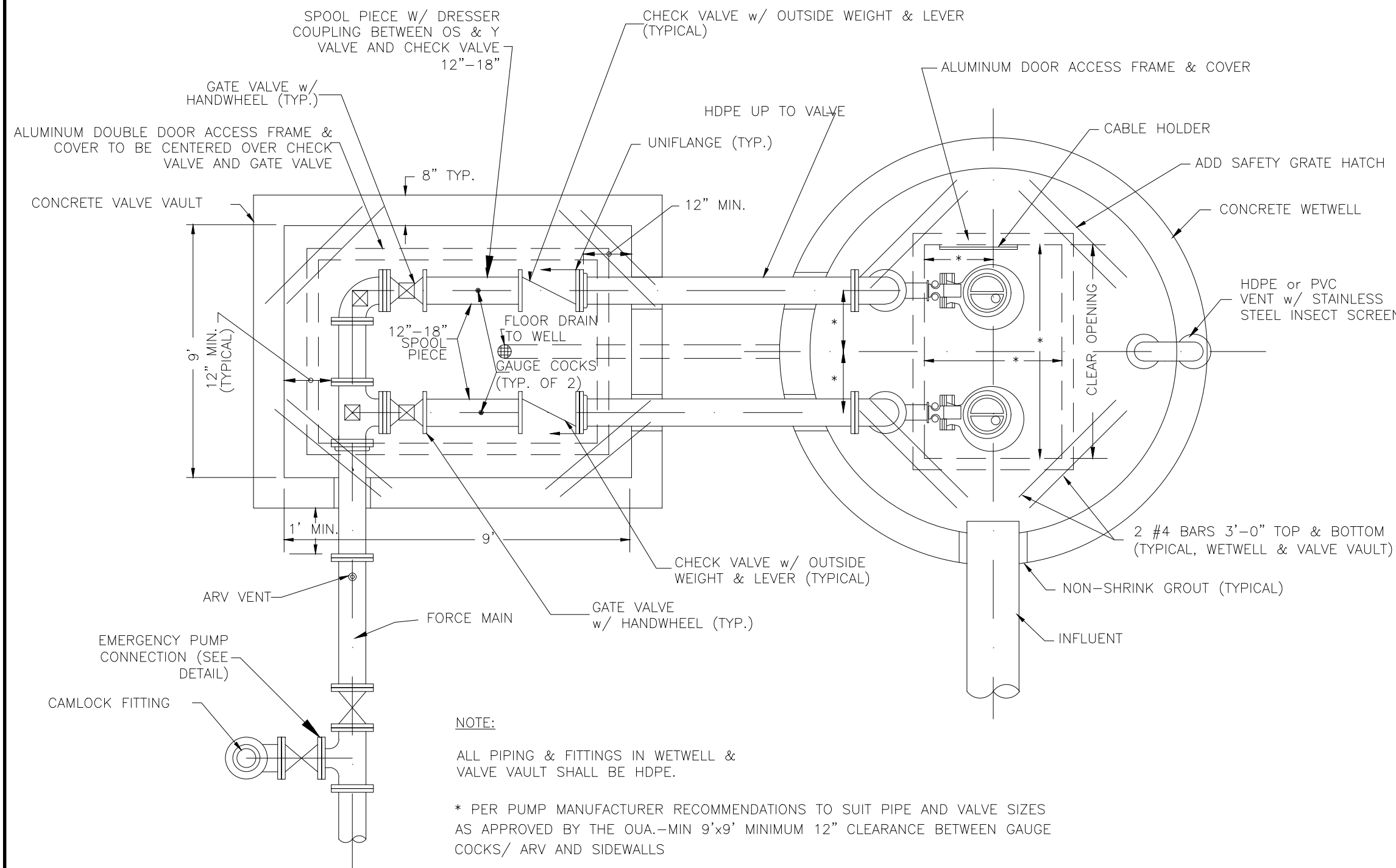
TYPICAL SERVICE CONNECTION (UNDERGROUND)
OF 5/8" x 3/4" OR 1" METER

10/15 OUA #1
N.T.S. NEWLINES



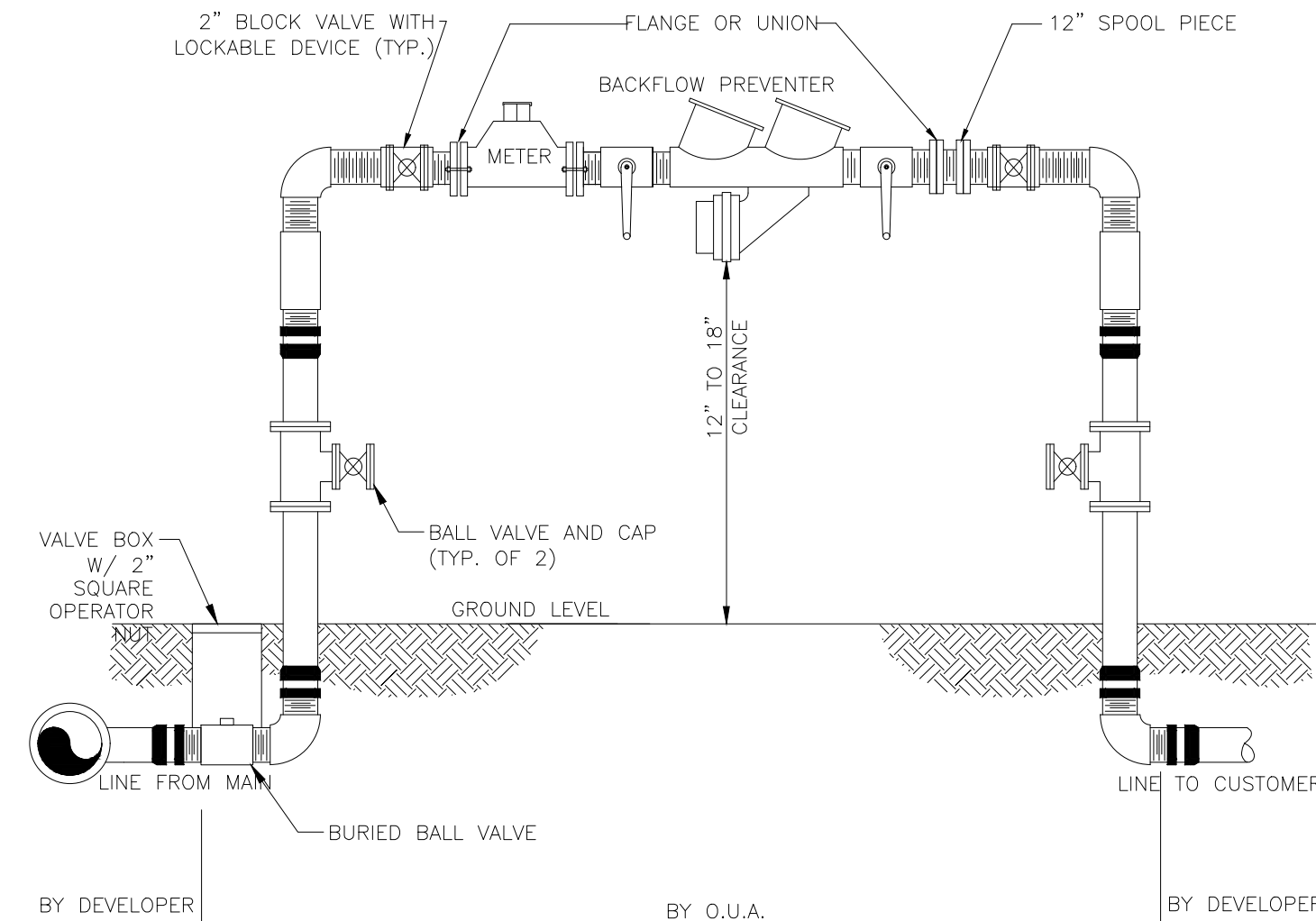
TYPICAL LIFT STATION (SECTION)

10/15 OUA #37
N.T.S. NEWLINES



TYPICAL LIFT STATION (PLAN)

10/15 OUA #36
N.T.S. NEWLINES



NOTES:

- ALL PIPING IS METER SIZE.
- ALL PIPING IS BRASS WITH THREADED FITTINGS.
- THIS DETAIL IS ALSO APPLICABLE TO 5/8" x 3/4" AND 1" SERVICE WHERE A BACKFLOW PREVENTION DEVICE IS REQUIRED, EXCEPT THAT METER WILL BE INSTALLED IN METER BOX.
- METERS AND BACKFLOW PREVENTERS ARE TO BE PURCHASED FROM OUA.

1 1/2" AND 2" METER/BACKFLOW ASSEMBLY (ABOVE GROUND)

10/15 OUA #3
N.T.S. NEWLINES

#3 04-02-2025 REV. PER FDOT COMMENTS DATED 03-06-2025

#2 02-20-2025 REV. PER FDOT COMMENTS DATED 02-17-2025

#1 02-03-2025 REV. PER FDOT COMMENTS DATED 01-30-2025

#0 DATE DESCRIPTION

STEVEN L. DOBBS, P.E.



209 NE 2nd Street
Okeechobee, Florida 34974
SLOD Phone (863) 824-7644
Newlines Phone (732) 984-4501
Florida@newlinesco.com

ENGINEERING • SOILS

PROJECT NO. FL23001
ENGINEER JB
DRAFTER PDCDB
MANAGER EW

SCALE AS SHOWN
DATE 2025-05-30
SHEET 28 OF 29

UTILITY DETAILS (2)

2605 HWY 441 S HOLDINGS LLC

SEC. 28, TOWNSHIP 35 SOUTH, RANGE 25 EAST

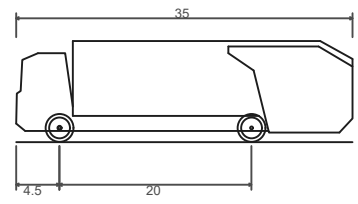
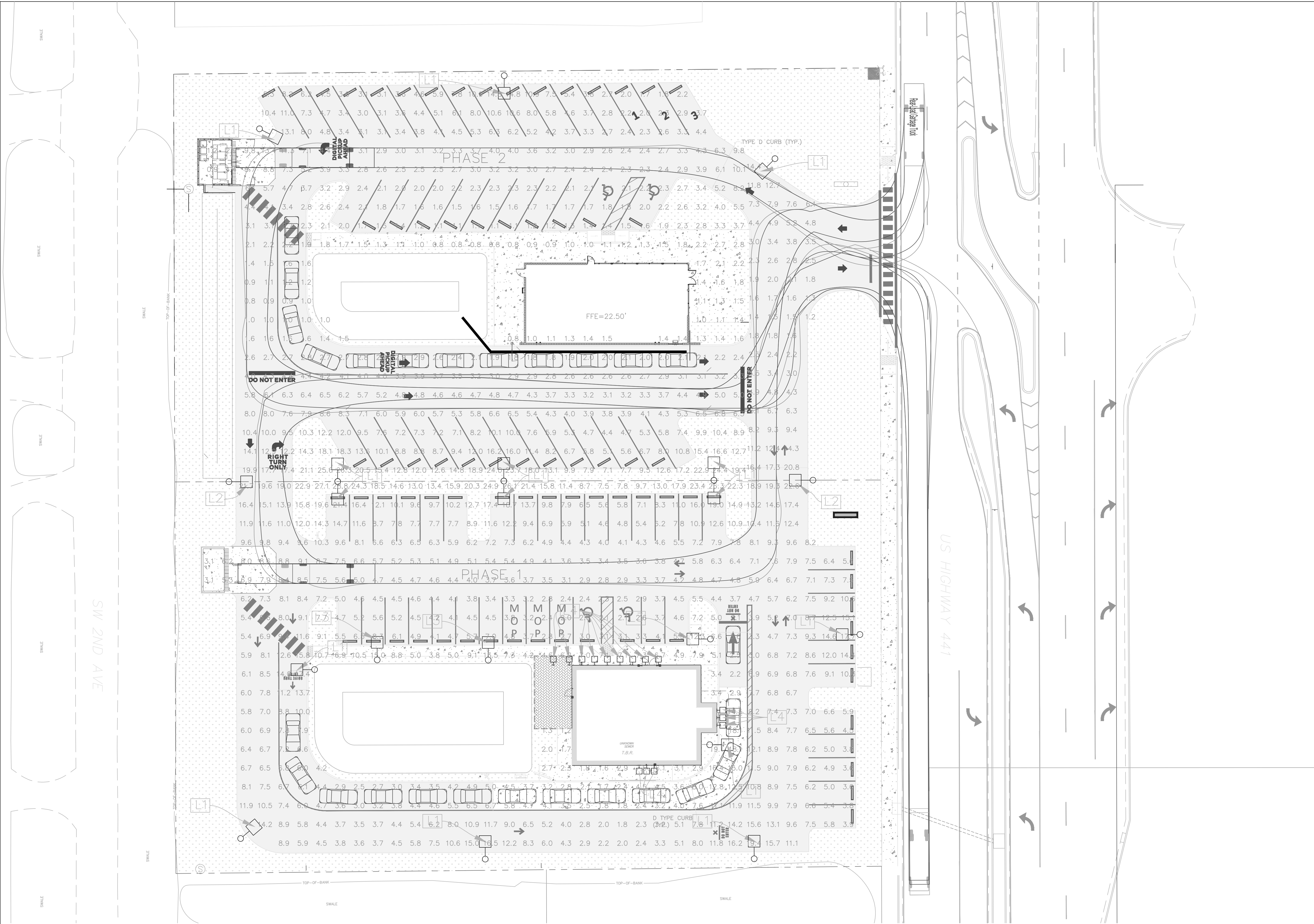
OKEECHOBEE CITY, FLORIDA

FLORIDA PROFESSIONAL ENGINEER LICENSE NO. 48134

DATE

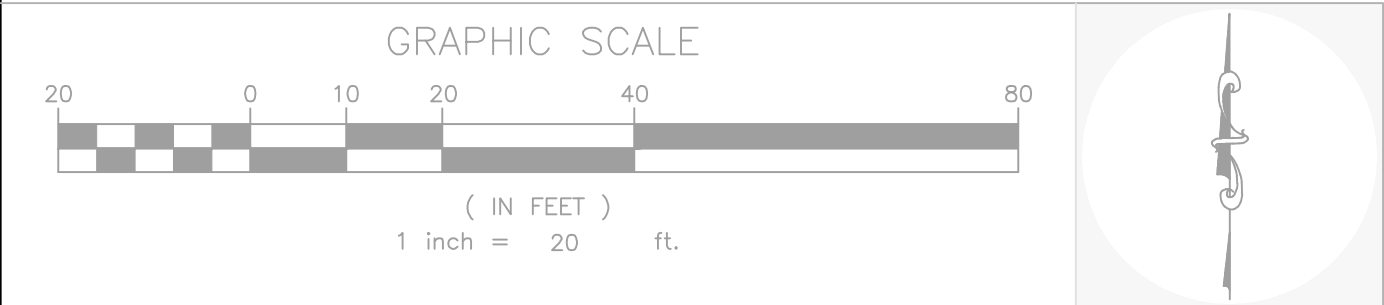


THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADOPTION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.



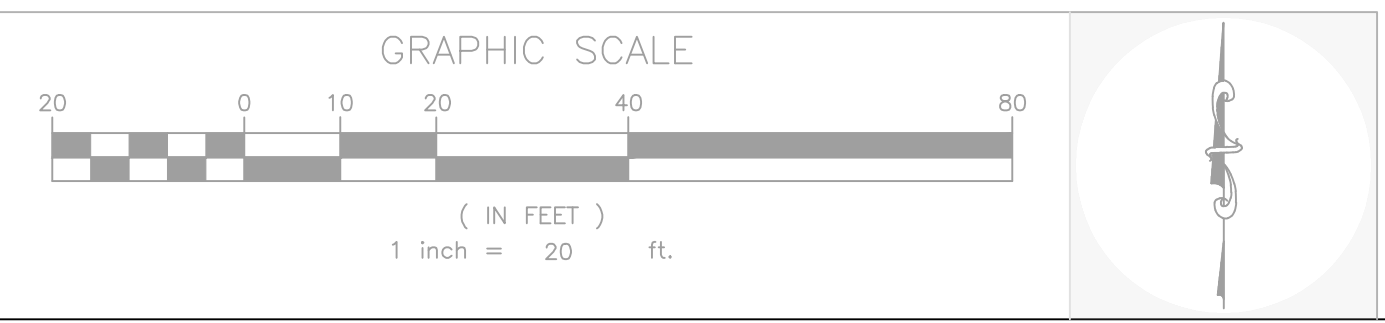
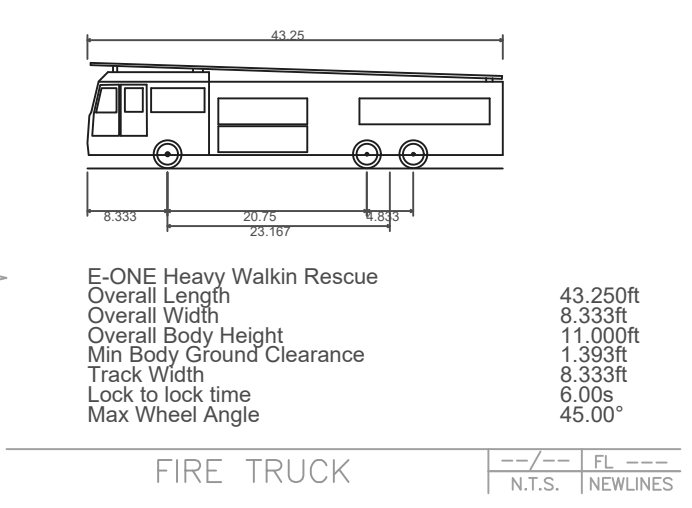
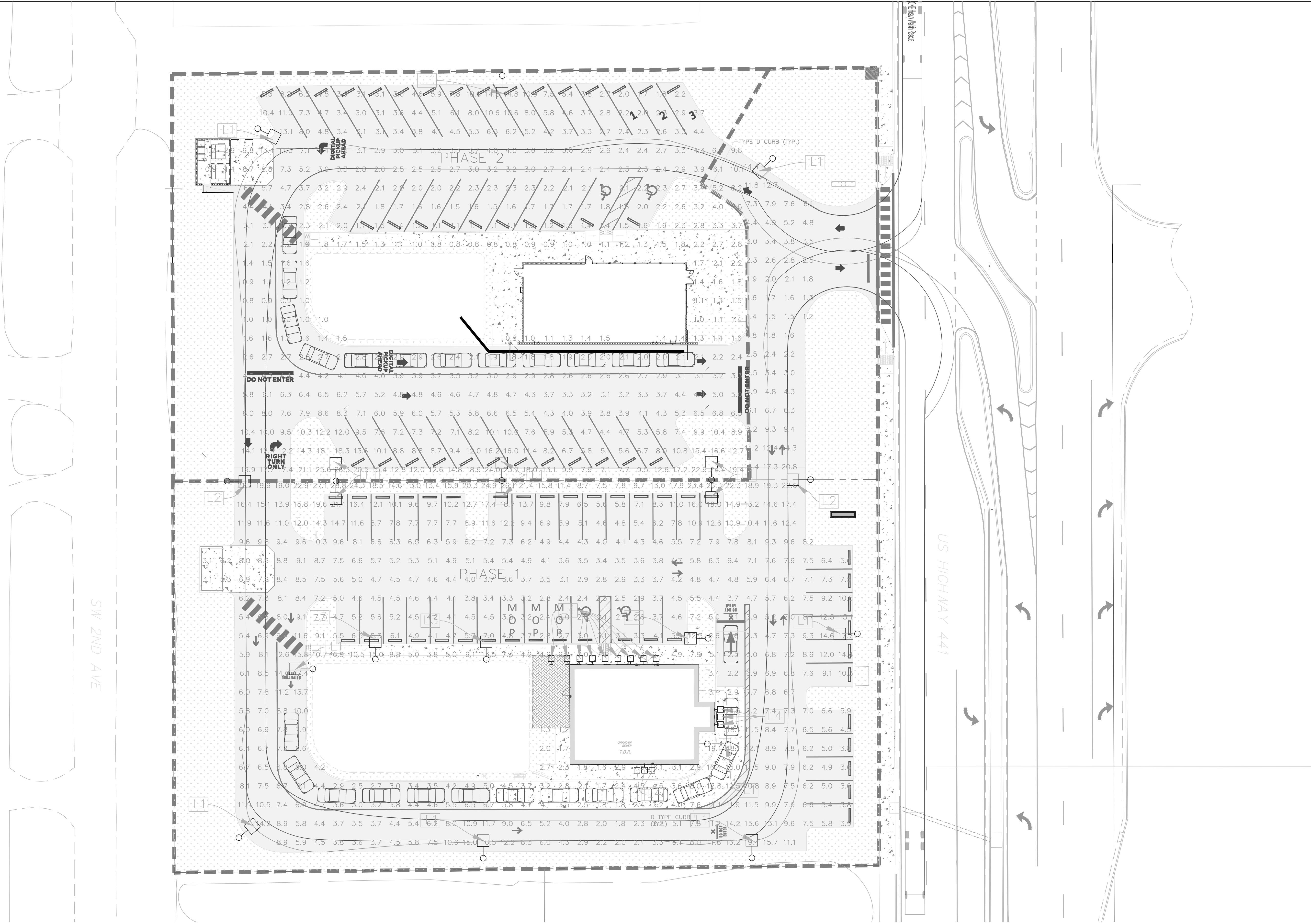
Garbage Truck
Overall Length 35.000ft
Overall Width 8.375ft
Overall Body Height 10.540ft
Min Body Ground Clearance 1.000ft
Track Width 8.375ft
Lock-to-lock time 6.00s
Curb to Curb Turning Radius 29.300ft

Rear-Load Garbage Truck



THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADDITION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.

#4 08-15-2025	CHPOTILE UPDATES	SJD	SJD
#3 04-02-2025	REV. PER FDOT COMMENTS DATED 03-06-2025	JT	PCD
#2 02-20-2025	REV. PER FDOT COMMENTS DATED 02-17-2025	JT	PCD
#1 02-03-2025	REV. PER FDOT COMMENTS DATED 01-30-2025	JT	PCD
#0	DATE DESCRIPTION	ENG	CAD
STEVEN L. DOBBS, P.E.			
209 NE 2nd Street Okeechobee, Florida 34974 SJD Phone (863) 824-7644 Newlines Phone (732) 984-6591 Florida@newlinesco.com			
ENGINEERING • SOILS			
TRAFFIC PLAN (GARBAGE TRUCK)			
2605 HWY 441 S HOLDINGS LLC			
SEC. 28, TOWNSHIP 35 SOUTH, RANGE 25 EAST			
OKEECHOBEE CITY, FLORIDA			
DATE			
PROJECT NO.	FL23001	ENGINEER	JB
DRAFTER	PCDCB	MANAGER	EW
SCALE	1" = 20'	DATE	2025-08-19
SHEET	27 OF 29		



THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADOPTION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.

#4	08-15-2025	CHPOTILE UPDATES	SLD	SLD
#3	04-02-2025	REV. PER FDOT COMMENTS DATED 03-06-2025	JT	POC
#2	02-20-2025	REV. PER FDOT COMMENTS DATED 02-17-2025	JT	POC
#1	02-03-2025	REV. PER FDOT COMMENTS DATED 01-30-2025	JT	POC
#0	DATE	DESCRIPTION	ENG	CAD
STEVEN L. DOBBS, P.E.				
209 NE 2nd Street Okeechobee, Florida 34974 SLD Phone (863) 824-7644 Newlines Phone (732) 984-6591 Florida@newlinesco.com			SLD NEWLINES LAND CONSULTANTS ENGINEERING • SOILS	
TRAFFIC PLAN (FIRE TRUCK)			PROJECT NO.	FL23001
2605 HWY 441 S HOLDINGS LLC			ENGINEER	JB
SEC. 28, TOWNSHIP 35 SOUTH, RANGE 25 EAST			DRAFTER	POC/DB
OKEECHOBEE CITY, FLORIDA			MANAGER	EW
DATE			SCALE	1" = 20'
			DATE	2025-09-19
			SHEET	28 OF 29

NOTES

1. CONTRACTOR IS RESPONSIBLE FOR CHECKING ACTUAL SITE CONDITIONS BEFORE STARTING CONSTRUCTION.
2. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE COMMENCING WORK.
3. CONTRACTOR SHALL OBTAIN ALL REQUIRED BUILDING PERMITS BEFORE COMMENCING WORK.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL CONTACT ALL CONCERNED UTILITIES AT LEAST 48 HOURS IN ADVANCE FOR CONSTRUCTION OPERATIONS.
5. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN TO BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER.
6. ALL CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE ORDINANCES OF OKEECHOBEE COUNTY, FLORIDA.
7. CONTRACTOR SHALL SUPPLY DENSITY TESTS TO ENGINEER ON ALL SUB-GRADE AND BASE. TESTS SHALL BE PREPARED PER AASHTO T-180 METHOD.
8. SLOPE GRADES FROM ELEVATIONS SHOWN TO EXISTING GRADE AT PROPERTY LINE.
9. ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE FOR ANY INSPECTION.
10. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH M.U.T.C.D. STANDARDS.
11. ALL SOD SHOULD BE INSTALLED IN ACCORDANCE WITH GENERAL NOTES: EARTHWORK AND DRAINAGE SPECIFICATIONS 3.E-F
12. EROSION AND SEDIMENTATION CONTROL TECHNIQUES SHALL BE INCORPORATED DURING CONSTRUCTION AS FOLLOWS:
- SILT SCREENS SHALL BE MAINTAINED AT THE PROJECT PERIMETER.
 - NO OFF-SITE DISCHARGES SHALL OCCUR DURING CONSTRUCTION.
- IN THE EVENT DISCHARGE IS REQUIRED, SYNTHETIC BALES AND/OR TURBIDITY CURTAINS SHALL BE INCORPORATED AT THE DISCHARGE POINT AS NECESSARY TO CONTROL TURBIDITY.
13. KNOX BOX TO BE LOCATED AT GATE ENTRANCE AND MAIN DOOR ENTRANCE TO THE BUILDING. OWNER AND CONTRACTOR TO SPECIFY EXACT LOCATION.
14. GC TO HYDRO FLUSH AND VIDEO CAMERA ON SANITARY LINES, PROVIDE VIDEO OF WORK.

EROSION AND SEDIMENTATION CONTROL NOTES

CONSTRUCTION ACTIVITIES CAN RESULT IN THE GENERATION OF SIGNIFICANT AMOUNTS OF POLLUTANTS WHICH MAY REACH SURFACE OR GROUND WATERS. ONE OF THE PRIMARY POLLUTANTS OF SURFACE WATERS IS SEDIMENT DUE TO EROSION. EXCESSIVE QUANTITIES OF SEDIMENT WHICH REACH WATER BODIES OF FLOODPLAINS HAVE BEEN SHOWN TO ADVERSELY AFFECT THEIR PHYSICAL, BIOLOGICAL AND CHEMICAL PROPERTIES. TRANSPORTED SEDIMENT CAN OBSTRUCT STREAM CHANNELS, REDUCE HYDRAULIC CAPACITY OF WATER BODIES OF FLOODPLAINS, REDUCE THE DESIGN CAPACITY OF CULVERTS AND OTHER WORKS, AND ELIMINATE ETHIC INVERTEBRATES AND FISH SPAWNING SUBSTRATES BY SILTATION. EXCESSIVE SUSPENDED SEDIMENTS REDUCE LIGHT PENETRATION AND THEREFORE, REDUCE PRIMARY PRODUCTIVITY.

MINIMUM STANDARDS:

1. SEDIMENT BASIN AND TRAPS, PERIMETER DIKES, SEDIMENT BARRIERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT SHALL BE CONSTRUCTED AS A FIRST STEP IN ANY LAND-DISTRIBUTING ACTIVITY AND SHALL BE MADE FUNCTIONAL BEFORE UNSLOPE LAND DISTURBANCE TAKES PLACE.
2. ALL SEDIMENT CONTROL MEASURES ARE TO BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON BALANCE OF SITE. PERIMETER SEDIMENT BARRIERS SHALL BE CONSTRUCTED TO PREVENT SEDIMENT OR TRASH FROM FLOWING OR FLOATING ON TO ADJACENT PROPERTIES.
3. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO BE LEFT UNDISTURBED FOR MORE THAN ONE YEAR.
4. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS SOIL INTENTIONALLY TRANSPORTED FROM THE PROJECT SITE.
5. A PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED THAT, IN THE OPINION OF THE REVIEWER, IS UNIFORM, MATURE ENOUGH TO SURVIVE AND WILL INHIBIT EROSION.
6. STABILIZATION MEASURES SHALL BE APPLIED TO EARTHEN STRUCTURES SUCH AS DAMS, DIKES AND DIVERSIONS IMMEDIATELY AFTER INSTALLATION.
7. SURFACE RUNOFF FROM DISTURBED AREAS THAT IS COMPRISED OF FLOW FROM DRAINAGE AREAS GREATER THAN OR EQUAL TO THREE ACRES SHALL BE CONTROLLED BY A SEDIMENT BASIN. THE SEDIMENT BASIN SHALL BE DESIGNED AND CONSTRUCTED TO ACCOMMODATE THE ANTICIPATED SEDIMENT LOADING FROM THE LAND-DISTURBING ACTIVITY. THE OUTFALL DEVICE OR SYSTEM DESIGN SHALL TAKE INTO ACCOUNT THE TOTAL DRAINAGE AREA FLOWING THROUGH THE DISTURBED AREA TO BE SERVED BY THE BASIN.
8. AFTER ANY SIGNIFICANT RAINFALL, SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED FOR INTEGRITY. ANY DAMAGED DEVICES SHALL BE CORRECTED IMMEDIATELY.
9. CONCENTRATED RUNOFF SHALL NOT FLOW DOWN CUT OR FILL SLOPES UNLESS CONTAINED WITHIN AN ADEQUATE TEMPORARY OR PERMANENT CHANNEL, FLUME OR SLOPE DRAIN STRUCTURE.
10. WHENEVER WATER SEEPS FROM A SLOPE FACE, ADEQUATE DRAINAGE OR OTHER PROTECTION SHALL BE PROVIDED.
11. SEDIMENT WILL BE PREVENTED FROM ENTERING ANY STORM DRAIN SYSTEM, DITCH OR CHANNEL. ALL STORM SEWER INLETS THAT ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
12. BEFORE TEMPORARY OR NEWLY CONSTRUCTED STORMWATER CONVEYANCE CHANNELS ARE MADE OPERATIONAL, ADEQUATE OUTLET PROTECTION AND ANY REQUIRED TEMPORARY OR PERMANENT CHANNEL LINING SHALL BE INSTALLED IN BOTH THE CONVEYANCE CHANNEL AND RECEIVING CHANNEL.
13. WHEN WORK IN A LIVE WATERCOURSE IS PERFORMED, PRECAUTIONS SHALL BE TAKEN TO MINIMIZE ENCROACHMENT, CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA TO THE GREATEST EXTENT POSSIBLE DURING CONSTRUCTION. NONERODIBLE MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF CAUSEWAYS AND COFFERDAMS. EARTHEN FILL MAY BE USED FOR THESE STRUCTURES IF ARMORED BY NONERODIBLE COVER MATERIALS.
14. WHEN A LIVE WATERCOURSE MUST BE CROSSED BY CONSTRUCTION VEHICLES, A TEMPORARY STREAM CROSSING CONSTRUCTED OF NONERODIBLE MATERIAL SHALL BE PROVIDED.
15. THE BED AND BANKS OF A WATERCOURSE SHALL BE STABILIZED IMMEDIATELY AFTER WORK IN THE WATERCOURSE IS COMPLETED.
16. PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO ENSURE INTENDED PURPOSE IS ACCOMPLISHED. THE DEVELOPER, OWNER AND/OR CONTRACTOR SHALL BE CONTINUALLY RESPONSIBLE FOR ALL SEDIMENT LEAVING THE PROPERTY. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
17. UNDERGROUND UTILITY LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING STANDARDS IN ADDITION TO OTHER APPLICABLE CRITERIA:
- A. NO MORE THAN 500 LINEAR FEET OF TRENCH MAY BE OPENED AT ONE TIME.
 - B. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
 - C. EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH AN APPROVED SEDIMENT TRAPPING DEVICE, OR BOTTLED, AND DISCHARGED IN A MANNER THAT DOES NOT ADVERSELY AFFECT FLOWING STREAMS OR OFF-SITE PROPERTY.
 - D. RESTABILIZATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THESE REGULATIONS.
18. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY TRACKING ONTO THE PAVED SURFACE, WHERE SEDIMENT IS TRANSPORTED ONTO A PUBLIC ROAD SURFACE WITH CURBS AND GUTTERS, THE ROAD SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A SEDIMENT CONTROL DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL SUBDIVISION LOTS AS WELL AS TO LARGER LAND-DISTRIBUTING ACTIVITIES.
19. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, IN THE OPINION OF THE REVIEWER. DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.
20. PROPERTIES AND WATERWAYS DOWNSTREAM FROM CONSTRUCTION SITE SHALL BE PROTECTED FROM SEDIMENT DISPOSITION AND EROSION.
21. PHASED PROJECTS SHOULD BE CLEARED IN CONJUNCTION WITH CONSTRUCTION OF EACH PHASE.
22. EROSION CONTROL DESIGN AND CONSTRUCTION SHALL FOLLOW THE REQUIREMENTS IN INDEX NOS. 101, 102 AND 103 OF FOOT ROADWAY AND TRAFFIC DESIGN STANDARDS.
23. THE REVIEWER MAY APPROVE MODIFICATIONS OR ALTER PLANS TO THESE EROSION CONTROL CRITERIA DUE TO SITE SPECIFIC CONDITIONS.

EARTHWORK AND DRAINAGE SPECIFICATIONS

1. **CLEARING AND GRUBBING:** CLEARING AND GRUBBING SHALL BE PERFORMED WITHIN THE LIMITS OF THE PROJECT WORK IN ACCORDANCE WITH SECTION 110, FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) SPECIFICATIONS. THIS ITEM SHALL INCLUDE, BUT IS NOT LIMITED TO, THE COMPLETE REMOVAL AND LEGAL DISPOSAL OF ALL TREES, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH AND OTHER UNDESIRABLE MATERIAL TO A DEPTH OF 18 INCHES BELOW NATURAL GROUND OR PROPOSED FINISHED GRADE, WHICHEVER IS LOWER. THE AREAS TO BE CLEARED GENERALLY CONSIST OF THE ENTIRE SITE WITH THE EXCEPTION OF AREAS SPECIFICALLY NOTED ON THE LANDSCAPE PLANS AS PRESERVE AREAS OR AS AREAS TO REMAIN UN-CLEARED. CARE SHALL BE TAKEN TO INSURE THAT NO PRESERVE AREAS OR WETLAND AREAS ARE IMPACTED BY THE CLEARING OPERATION. PRIOR TO INITIATING THE CLEARING OPERATION, ALL ADJACENT WETLAND AND PRESERVE AREAS SHALL BE MARKED AND FLAGGED IN ACCORDANCE WITH OKEECHOBEE COUNTY AND SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) REQUIREMENTS. ALL SUCH AREAS IMMEDIATELY ADJACENT TO THE CLEARING OPERATION SHALL ALSO BE PROTECTED BY THE INSTALLATION OF TEMPORARY SILT BARRIERS IN ACCORDANCE WITH THE REQUIREMENTS OF OKEECHOBEE COUNTY AND THE SFWMD. FURTHER EROSION CONTROL SHALL BE ACCOMPLISHED BY SEEDING AND MULCHING ALL DISTURBED AREAS AS SOON AS THEY ARE AT FINAL GRADE, PER THE SPECIFICATIONS FOR SEEDING AND MULCHING FOUND ELSEWHERE ON THIS SHEET.
- ALL MATERIAL SHALL BE REMOVED FROM THE SITE AND SHALL BE LEGALLY DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS.
2. **EARTHWORK AND GRADING:** ALL EARTHWORK AND GRADING SHALL BE PERFORMED AS REQUIRED TO ACHIEVE THE FINAL GRADES, TYPICAL SECTIONS AND ELEVATIONS SHOWN ON THE PLANS. IN ALL OTHER RESPECTS, MATERIALS AND CONSTRUCTION METHODS FOR EARTHWORK, EMBANKMENT, EXCAVATION AND GRADING SHALL CONFORM TO THE REQUIREMENTS OF FOOT SPECIFICATIONS, SECTION 120. ANY PLASTIC OR OTHERWISE UNDESIRABLE MATERIAL WITHIN 36 INCHES OF FINISHED ROAD GRADE SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL. THE CONTRACTOR SHALL ALSO REFER TO THE SOILS REPORT, IF AVAILABLE. THE SPECIFICATIONS AND RECOMMENDATIONS INCLUDED IN THAT REPORT SHALL BE CONSIDERED AS A PART OF THESE PLANS AND SPECIFICATIONS. SHOULD THERE BE ANY CONFLICT BETWEEN THAT DOCUMENT AND ANY REQUIREMENTS OF THESE DRAWINGS OR SPECIFICATIONS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN.
3. **PAVING IMPROVEMENTS:** ALL AREAS PROPOSED FOR PAVING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN GRADES AND TYPICAL SECTIONS SHOWN ON THE DRAWINGS, AND IN CONFORMANCE TO THE REQUIREMENTS OF OKEECHOBEE COUNTY AND FLORIDA DEPARTMENT OF TRANSPORTATION.
- A. ASPHALT: PRIME COAT AND TACK COAT FOR BASE COURSE AND BETWEEN LIFTS OF ASPHALT SHALL CONFORM TO THE REQUIREMENTS OF SECTIONS 300-1 THROUGH 300-7 OF THE FOOT SPECIFICATIONS. PRIME COAT SHALL BE APPLIED AT A RATE OF 0.25 GALLONS PER SQUARE YARD AND TACK COAT AT A RATE OF 0.10 GALLONS PER SQUARE YARD, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
 - ASPHALT SURFACE COURSE THICKNESS AND MATERIAL SHALL BE AS SHOWN ON THE TYPICAL SECTIONS AND SHALL IN ALL WAYS CONFORM TO THE REQUIREMENTS OF FOOT.
 - B. BASE: LIME/ROCK BASE MATERIAL SHALL BE COMPACTED TO 98% OF MAXIMUM DENSITY PER AASHTO T-180. ALL LIME/ROCK SHALL MEET THE MINIMUM REQUIREMENTS OF FOOT SECTION 911. AS AN ALTERNATE, CEMENTED COQUINA CONFORMING TO FOOT SECTION 915 MAY BE SUBSTITUTED AND SHALL BE SUBJECT TO THE COMPACTION SPECIFICATIONS DETAILED ABOVE AND INCLUDED IN THE SOILS ENGINEER'S REPORT.
 - C. SUB-GRADE: SUB-GRADE SHALL BE COMPACTED TO 98% OF MAXIMUM DENSITY PER AASHTO T-180, AND STABILIZED TO A MINIMUM FBV OF 50PSI. SUB-GRADE SHALL BE THOROUGHLY ROLLED WITH A PNEUMATIC TIRED ROLLER PRIOR TO SCHEDULING ANY SUB-GRADE INSPECTION.
 - D. VALLEY GUTTER/ F-CURB/D-CURB/FLUSH CURB: SHALL BE CONSTRUCTED PER THE TYPICAL SECTION BY EXTRUDING MACHINE OR FORMS AS SHOWN ON THE PLANS. MINIMUM CONCRETE COMPRESSIVE STRENGTH SHALL BE 3,000PSI AFTER 28 DAYS. SUB-GRADE SHALL BE MOISTENED AT THE TIME CONCRETE IS PLACED TO INSURE A UNIFORMLY DAMP SURFACE. READY-MIX CONCRETE SHALL HAVE A SLUMP OF BETWEEN 2 AND 4 INCHES. NO WATER SHALL BE ADDED TO INCREASE WORKABILITY. TEST CYLINDERS SHALL BE MADE FOR THE STRENGTH TESTING OF EACH BATCH OF CONCRETE FOR AT LEAST 7 AND 28 DAY TESTING.
 - E. SOD: A MINIMUM OF A TWO-FOOT WIDE STRIP OF SOD, OR AS OTHERWISE SHOWN ON THE PLANS, SHALL BE PLACED ALONG THE BACK OF CURB OF ALL CONSTRUCTED PAVEMENT TO AID IN PREVENTION OF EROSION AND SOIL STABILITY. SOD SHALL BE PLACED IN CONFORMANCE TO FOOT SECTION 570, 575 AND 981. GENERALLY, THE SODDING REQUIREMENTS SHALL BE AS SPECIFIED ON THE LANDSCAPE PLANS, PREPARED BY OTHERS.
 - F. SEED, FERTILIZE AND MULCH: ALL DISTURBED AREAS SHALL BE STABILIZED WITH SEED, FERTILIZER AND MULCH UPON COMPLETION AND ACCEPTANCE BY ENGINEER OF FINAL GRADING. SEED, FERTILIZER AND MULCH SHALL BE IN CONFORMANCE TO FOOT SECTIONS 570, 575 AND 981. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING A STAND OF GRASS SUFFICIENT TO PREVENT EROSION PRIOR TO REMOVAL OF THE TEMPORARY SILT FENCES. THIS APPLIES ONLY TO THOSE AREAS NOT COVERED BY THE SODDING SPECIFIED IN THE LANDSCAPE PLANS, PREPARED BY OTHERS.
 - G. TESTING: THE CONTRACTOR SHALL SECURE THE SERVICES OF AN APPROVED INDEPENDENT TESTING LABORATORY TO CONDUCT ALL REQUIRED TESTING ON SUB-GRADE, BASE, ASPHALT AND CONCRETE. LOCATIONS REQUIRED FOR THESE TESTS SHALL BE AS REQUIRED BY OKEECHOBEE COUNTY, AND/OR IN THE CASE OF THE TURN-LANE IMPROVEMENTS AS REQUIRED BY OKEECHOBEE COUNTY. AT A MINIMUM, TESTING SHALL BE AS RECOMMENDED BY FOOT. SHOULD ANY TESTS FAIL, CONTRACTOR SHALL AT HIS OWN EXPENSE, REPAIR THE DEFICIENCIES AND RETEST THE WORK UNTIL COMPLIANCE WITH THE SPECIFICATIONS IS DEMONSTRATED.
 - H. TRAFFIC CONTROL: THE INSTALLATION OF TRAFFIC CONTROL DEVICES SHALL BE IN CONFORMANCE TO THE REQUIREMENTS OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, OKEECHOBEE COUNTY. MAINTENANCE OF TRAFFIC DURING CONSTRUCTION SHALL BE AS REQUIRED BY FOOT.
4. **DRAINAGE IMPROVEMENTS:** ALL LABOR, MATERIALS AND CONSTRUCTION METHODS SHALL BE IN CONFORMANCE TO THE MINIMUM ENGINEERING AND CONSTRUCTION STANDARDS OF OKEECHOBEE COUNTY AND FOOT SPECIFICATIONS. TRENCH EXCAVATION AND BACK-FILLING OPERATIONS SHALL MEET OR EXCEED THE REQUIREMENTS OF FOOT SPECIFICATIONS, SECTION 125. THE CONTRACTOR SHALL PROVIDE THE NECESSARY BACK-FILL COMPACTION TESTING REQUIRED TO DEMONSTRATE COMPLIANCE WITH THIS SECTION. THE PIPE TRENCH SHALL BE DRY WHEN PIPE IS LAID AND THE PIPE SHALL BE BEDDED PER THE DETAILS AND PER FOOT SPECIFICATIONS.

THE CONTRACTOR SHALL COMPLY WITH CHAPTER 90-96, LAWS OF FLORIDA, WHICH REQUIRES THE CONTRACTOR PERFORMING TRENCH EXCAVATIONS OVER FIVE FEET IN DEPTH COMPLY WITH ALL APPLICABLE TRENCH SAFETY STANDARDS AND SHORING REQUIREMENTS AS SET FORTH IN THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION'S (OSHA) EXCAVATION AND SAFETY STANDARDS, 29 C.F.R. 19926.650, SUB-PART P AND INCORPORATED AS THE STATE OF FLORIDA STANDARD, AS REVISED AND/OR UPDATED. THE COST OF COMPLIANCE WITH THIS REQUIREMENT SHALL BE INCLUDED AS A SEPARATE LINE ITEM ON THE CONTRACTOR'S BID. OTHERWISE, CONTRACTOR CERTIFIES THAT THE COST OF COMPLIANCE IS INCLUDED IN THE UNIT COST OF ALL ITEMS OF WORK TO WHICH THIS REQUIREMENT APPLIES.

- A. REINFORCED CONCRETE PIPE (RCP): RCP SHALL CONFORM TO THE REQUIREMENTS OF ASTM SPECIFICATIONS C-76, CLASS III, WALL THICKNESS "B", LATEST REVISION. ALL JOINTS SHALL BE SOIL-TIGHT. PIPE GASKET SHALL CONFORM TO FOOT SPECIFICATIONS, SECTION 942.
- B. CORRUGATED METAL PIPE (CMP): ALL CMP SHALL BE STEEL, ROUND, HELICAL-WOUND CORRUGATED PIPE CONFORMING TO AASHTO-M 36 AND FOOT SECTION 943. PIPE ENDS AT JOINTS SHALL BE REFORMED TO A MINIMUM OF 2 ANNULAR CORRUGATIONS FOR THE COMPLETE BAND WIDTH. ALL JOINTS SHALL BE SOIL-TIGHT. CONNECTING BANDS SHALL BE CORRUGATED ANNULAR COUPLING BANDS. A NEOPRENE GASKET OF AT LEAST 7 INCHES WIDE BY 3/8 INCH THICK SHALL BE USED FOR ALL PIPES OF 36-INCH DIAMETER AND SMALLER. LARGER PIPE SIZES REQUIRE GASKETS OF AT LEAST 10-1/2 INCHES IN WIDTH. ALL CMP SHALL BE INSTALLED AT MAXIMUM LENGTHS TO REDUCE THE NUMBER OF JOINTS.
- C. CORRUGATED ALUMINUM PIPE (CAP): ALL CAP SHALL BE ALUMINUM ALLOY, ROUND, HELICAL-WOUND CORRUGATED PIPE CONFORMING TO AASHTO-M 196 AND FOOT SECTION 945. PIPE ENDS AT JOINTS SHALL BE REFORMED TO A MINIMUM OF 2 ANNULAR CORRUGATIONS FOR THE COMPLETE BAND WIDTH. ALL JOINTS SHALL BE SOIL-TIGHT. ALL CONNECTING BANDS SHALL BE CORRUGATED ANNULAR COUPLING BANDS. A NEOPRENE GASKET OF AT LEAST 7 INCHES WIDE BY 3/8 INCH THICK SHALL BE USED FOR ALL PIPES OF 36-INCH DIAMETER AND SMALLER. LARGER PIPE SIZES REQUIRE GASKETS OF AT LEAST 10-1/2 INCHES IN WIDTH. ALL CAP SHALL BE INSTALLED AT MAXIMUM LENGTHS TO REDUCE THE NUMBER OF JOINTS.
- D. CORRUGATED HIGH DENSITY POLYETHYLENE PIPE (HDPE): ALL HDPE PIPE SHALL BE RESIN CONFORMING TO ASTM D3350 MINIMUM CELL CLASSIFICATION 435400C, ROUND, ONLY ANNULAR CORRUGATIONS AND CONFORMING TO FOOT SECTION 948-2.3. ALL JOINTS SHALL BE SOIL-TIGHT. ALL CONNECTING BANDS SHALL BE CORRUGATED ANNULAR COUPLING BANDS. A NEOPRENE GASKET OF AT LEAST 7 INCHES WIDE BY 3/8 INCH THICK SHALL BE USED FOR ALL PIPES OF 36-INCH DIAMETER AND SMALLER. LARGER PIPE SIZES REQUIRE GASKETS OF AT LEAST 10-1/2 INCHES IN WIDTH. ALL HDPE SHALL BE INSTALLED AT MAXIMUM LENGTHS TO REDUCE THE NUMBER OF JOINTS.
- E. CONTECH A-2000 PVC DRAINAGE PIPE (A-2000): ALL A-2000 CORRUGATED PIPE WITH A SMOOTH INTERIOR SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION F949 & F794 DUAL WALL CORRUGATED PROFILE (DWCP) PIPE, PIPE AND FITTINGS SHALL BE HOMOGENEOUS THROUGHOUT AND FREE FROM VISIBLE CRACKS, HOLES, FOREIGN INCLUSIONS OR OTHER INJURIOUS DEFECTS. PIPE SHALL BE MANUFACTURED TO 46 PSI STIFFNESS WHEN TESTED IN ACCORDANCE WITH ASTM TEST METHOD D2412, THERE SHALL BE NO EVIDENCE OF SPLITTING, CRACKING OR BREAKING WHEN THE PIPE IS TESTED PER ASTM TEST METHOD D2412 AND F949 SECTION 7.5. THE PIPE SHALL BE MADE OF PVC COMPOUND HAVING A MINIMUM CELL CLASSIFICATION OF 124548 AS DEFINED IN ASTM SPECIFICATION D1784.
- F. PVC DRAINAGE PIPE: PVC DRAINAGE PIPE SHALL BE C-900 WITH PUSH-ON JOINTS (NO GULD JOINTS) AND SHALL BE AS SPECIFIED FOR SANITARY SEWER CONSTRUCTION, EXCEPT THAT IT SHALL BE WHITE IN COLOR. ANY PORTION OF THE PVC STORM PIPE THAT MAY BE EXPOSED TO SUNLIGHT, SUCH AS ITS OUTLET TO THE DETENTION POND, SHALL BE PAINTED TO PROTECT IT FROM UV LIGHT.
- G. INLETS, MANHOLES, AND JUNCTION BOXES: ALL DRAINAGE INLETS, MANHOLES, AND JUNCTION BOXES SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-478 AND 64T. ALL CONCRETE SHALL HAVE NOT LESS THAN 4000-PSI COMPRESSIVE STRENGTH AT 28 DAYS. STRUCTURE SECTIONS SHALL BE JOINED WITH A MASTIC SEALING COMPOUND. THE REMAINING SPACE SHALL BE FILLED WITH THE CEMENT MORTAR AND FINISHED SO AS TO PRODUCE A SMOOTH CONTINUOUS SURFACE INSIDE AND OUTSIDE THE WALL SECTIONS. ALL OPENINGS IN PRECAST STRUCTURES SHALL BE CAST AT THE TIME OF MANUFACTURE. HOLES FOR PIPING SHALL BE SIX INCHES LARGER THAN THE OUTSIDE DIAMETER OF THE PROPOSED PIPE. ALL SPACES BETWEEN THE MANHOLE AND THE PIPE SHALL BE COMPLETELY FILLED WITH MORTAR AND FINISHED SMOOTH. MORTAR USED FOR CONCRETE STRUCTURES SHALL CONFORM TO M C-270. MORTAR MATERIAL SHALL BE MIXED ONE PART TYPE 2 PORTLAND CEMENT TO TWO PARTS AGGREGATE BY VOLUME. PORTLAND CEMENT SHALL CONFORM TO ASTM C-144 AND AGGREGATE SHALL CONFORM TO ASTM C-144. THE CONTRACTOR SHALL FURNISH THE ENGINEER WITH SHOP DRAWINGS OF ALL PRECAST STRUCTURES FOR HIS APPROVAL PRIOR TO FABRICATION. SHOP DRAWINGS SHALL SHOW ALL DIMENSION, REINFORCING STEEL AND SPECIFICATIONS. STORM MANHOLES SHALL BE CONSTRUCTED WITH A TRAFFIC BEARING CAST-IRON SLOTTED GRATE.
- H. TRENCH BACKFILL SHALL BE AS SHOWN IN THE DRAINAGE DETAILS. IN ADDITION, TESTING UNDER PAVED AREAS SHALL BE AS FOLLOWS: ONE TEST LOCATION MIDWAY BETWEEN STRUCTURES AND ONE TEST LOCATION ADJACENT TO EACH STRUCTURE. ENGINEER MAY REQUEST ADDITIONAL LOCATIONS. TESTING IN EACH LOCATION SHALL BEGIN IN THE FIRST FOOT ABOVE THE CULVERT WITH TESTS EVERY TWO FEET TO WITHIN TWO FEET OF THE SUB-GRADE. DENSITY SHALL BE TO 100 PERCENT OF MAXIMUM AS DETERMINED BY AASHTO T-99.
- I. CONTROL STRUCTURES: SHALL BE CONSTRUCTED PER THE ABOVE SPECIFICATIONS FOR INLETS, MANHOLES, AND JUNCTION BOXES EXCEPT THAT THE STRUCTURES SHALL INCLUDE THE BLEEDERS AND WEIRS AS SHOWN ON THE DETAIL.
- J. RIP-RAP ENERGY DISSIPATERS: SHALL BE CONSTRUCTED PER THE DETAILS AND AS SHOWN ON THE DRAWINGS AT THE CONTROL STRUCTURES CS-1, CS-2 & CS-3, THE DOWNSTREAM BUBBLE-UP STRUCTURES. THE RUBBLE SHALL BE OF MATERIAL AND PLACED IN ACCORDANCE TO FOOT SECTION 530-2.3 (MATERIAL) AND FOOT SECTION 530-3.3 (CONSTRUCTION METHODS). SHOULD BROKEN CONCRETE BE USED AS THE RUBBLE, IT SHALL BE FREE FROM REINFORCING BARS OR WIRE MESH. THE CONTRACTOR SHALL USE CARE IN THE PLACEMENT OF THE STONE SO THAT IT IS NOT DROPPED ON THEW FABRIC IN SUCH A FASHION THAT TEARS THE FABRIC. THE FABRIC SHALL BE AS SPECIFIED IN FOOT SECTION 985 AND SHALL BE OF THE WOVEN DESIGN AND AS SPECIFIED FOR USE WITH RIPRAP PER TABLE 1 OF THIS SECTION. THE BEDDING STONE SHALL BE OF THE TYPE TYPICALLY USED FOR DRAINFIELD ROCK AND SHALL MEET THE REQUIREMENTS OF FOOT FOR DRAINFIELD ROCK.

ENGINEER OF RECORD INSPECTION REQUIREMENTS								
	F.B.V.	DENSITY		L.B.R.		THICKNESS		
	MAX. SPACING LINEAR SQUARE FEET	MAX. SPACING LINEAR SQUARE FEET	MAX. SPACING LINEAR SQUARE FEET	MAX. SPACING LINEAR SQUARE FEET	MAX. SPACING LINEAR SQUARE FEET	MAX. SPACING LINEAR SQUARE FEET	MAX. SPACING LINEAR SQUARE FEET	
COMPACTED OR STABILIZED GRADE	200	5,000	200	5,000	200	5,000	300	10,000
ROCK BASE	----	----	300	10,000	300	10,000	300	10,000
SHELL ROCK	----	----	300	10,000	----	----	300	10,000
ASPHALT	----	----	----	----	----	----	PER INSP.	PER INSP.
ALL TESTING SHALL BE TAKEN IN A STAGGERED SAMPLING PATTERN FROM A POINT 12" INSIDE THE LEFT EDGE OF THE ITEM TESTED, TO THE CENTER, TO A POINT INSIDE OF THE RIGHT EDGE								

ENGINEER OF RECORD INSPECTION REQUIREMENTS
CONTRACTOR TO CALL CONTRACT ENGINEER OF RECORD
48 HOURS ADVANCE FOR FOLLOWING INSPECTIONS:
1. PRECONSTRUCTION MEETING
2. DRAINAGE PIPE (UNCOVERED)
3. PAVEMENT SUBGRADE
4. PAVEMENT BASE
5. FINAL

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADOPTION BY STEVEN L. DOBBS, P.E., SHALL BE WITHOUT LIABILITY TO NEWLINES ENGINEERING & SURVEY AND STEVEN L. DOBBS ENGINEERING, LLC.

#3 04-02-2025	REV. PER FOOT COMMENTS DATED 03-06-2025	JT	POC
#2 02-20-2025	REV. PER FOOT COMMENTS DATED 02-17-2025	JT	POC
#1 02-03-2025	REV. PER FOOT COMMENTS DATED 01-30-2025	JT	POC
#0	DATE DESCRIPTION	ENG	CAD
STEVEN L. DOBBS, P.E.			
209 NE 2nd Street Okeechobee, Florida 34974 SLD Phone (863) 824-7644 Newlines Phone (732) 984-4891 Florida@newlinesco.com ENGINEERING • SOILS			
GENERAL NOTES		PROJECT NO.	FL23001
		ENGINEER	JB
		DRAFTER	PODCB
		MANAGER	EW
		SCALE	AS SHOWN
		DATE	2025-05-30
		SHEET	29 OF 29
FLORIDA PROFESSIONAL ENGINEER LICENSE NO. 48134			
2605 HWY 441 S HOLDINGS LLC			
SEC. 28, TOWNSHIP 35 SOUTH, RANGE 25 EAST			
OKEECHOBEE CITY, FLORIDA			
DATE			