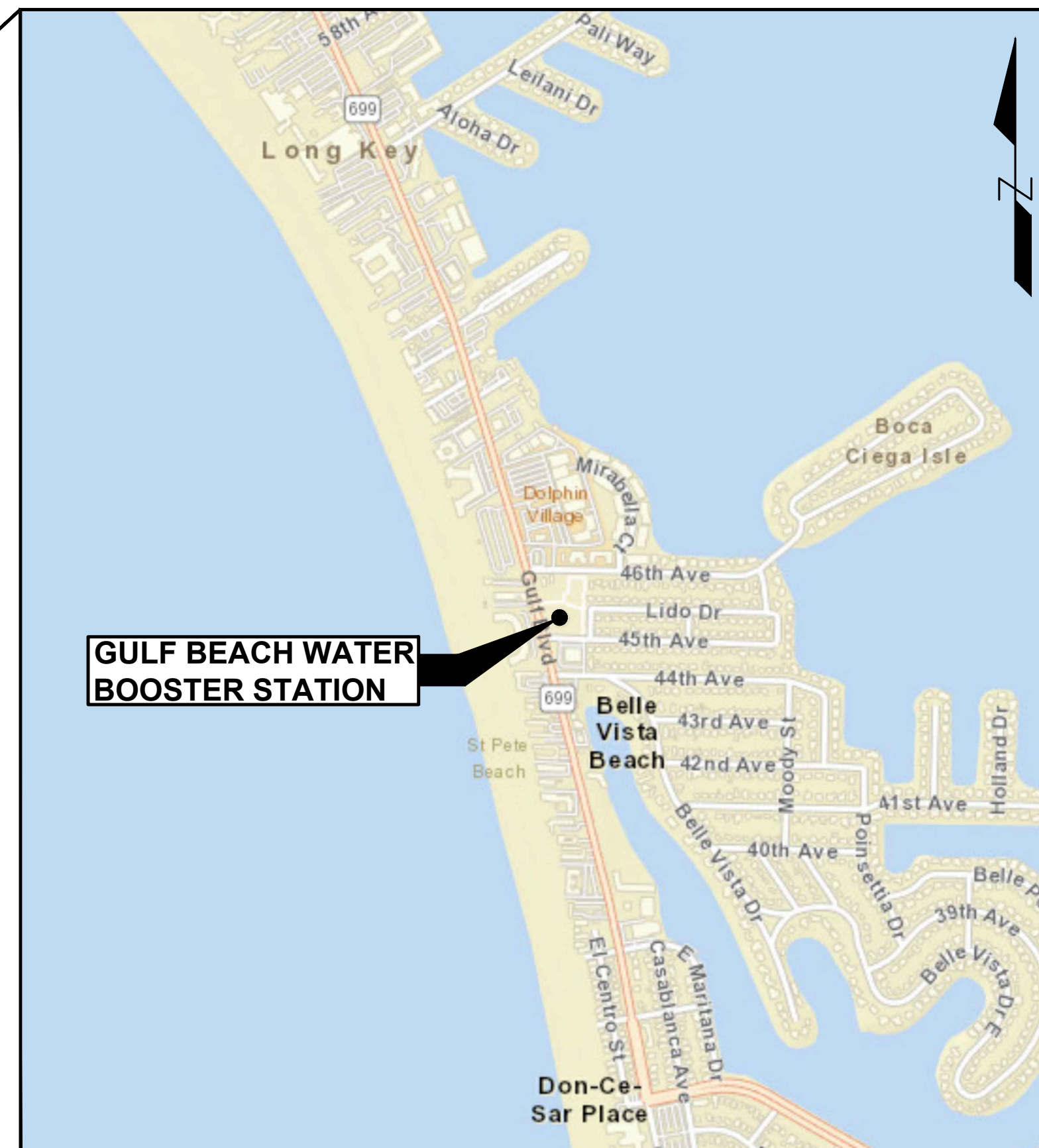
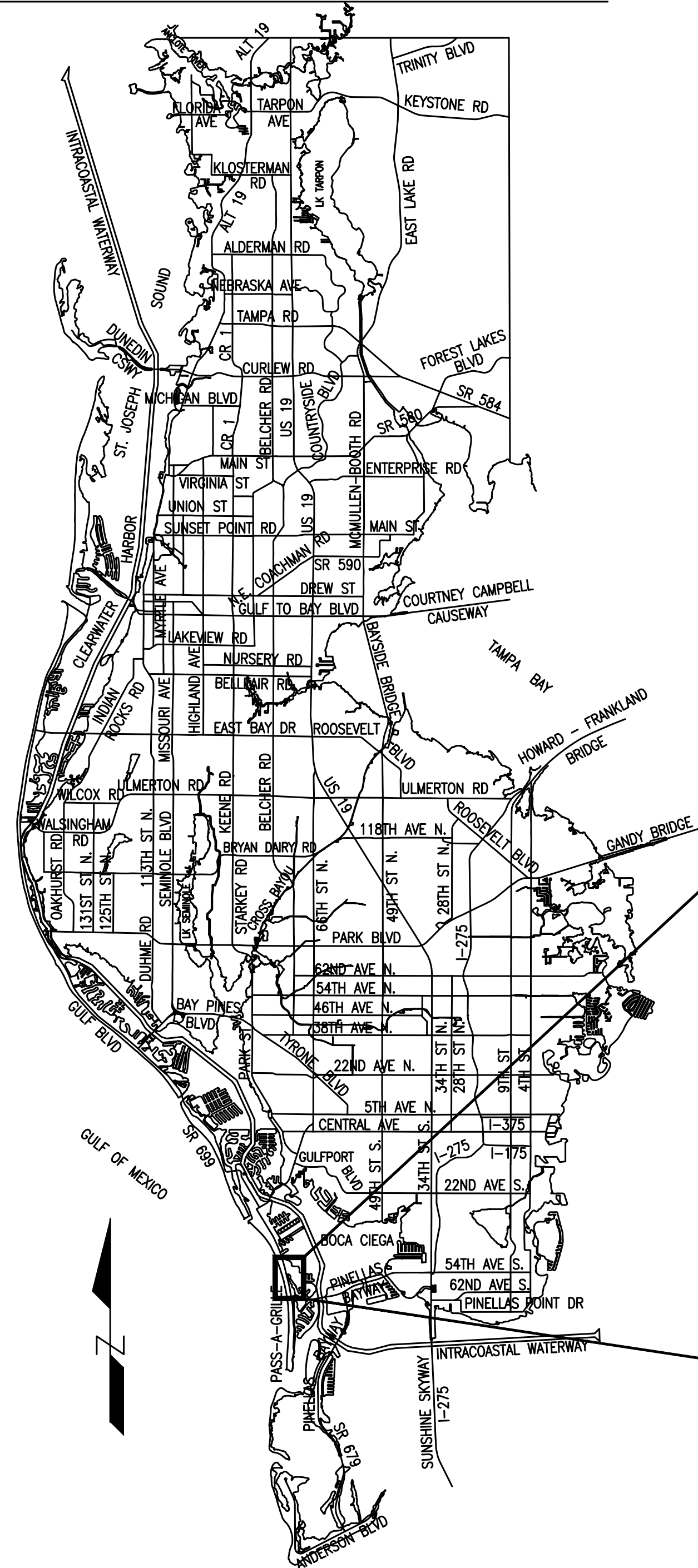


# PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS

PID 002150A

## PINELLAS COUNTY LOCATION MAP



4501 GULF BOULEVARD  
ST PETE BEACH, FLORIDA 33706

**KEY MAP**  
NOT TO SCALE

4521 GULF BLVD (SR 699)  
ROADWAY ID 15100000  
BEGIN MILEPOST 0.775, END MILEPOST 0.813  
FDOT ACCESS CLASSIFICATION 07  
POSTED SPEED LIMIT 35 MPH  
FDOT DRAINAGE PERMIT 2024-D-799-00005  
FDOT CONSTRUCTION AGREEMENT 2024-C-799-00017  
FDOT UTILITY PERMIT 2024-H-799-00261  
FDOT UTILITY PERMIT 2025-H-799-00017  
ST. PETE BEACH, FLORIDA

PERMIT APPLICATION NUMBERS:  
FDEP 10-2 SELF CERTIFICATION 0450952001EG  
FDOT DRAINAGE CONNECTION PERMIT 2024-D-799-00005  
FDOT CONSTRUCTION AGREEMENT 2024-C-799-00017  
FDOT UTILITY PERMIT 2024-H-799-00261  
FDOT UTILITY PERMIT 2025-H-799-00017  
CITY OF ST. PETE BEACH SITE PLAN #24028  
CITY OF ST. PETE BEACH VARIANCE #24030

OWNER:  
PINELLAS COUNTY UTILITIES  
14 SOUTH FORT HARRISON AVE  
CLEARWATER, FL 33756  
PHONE: 727-464-4000

ZONING: ACTIVITY CENTER  
FUTURE LAND USE: ACTIVITY CENTER

PREPARED BY:  
WRIGHT-PIERCE, INC.  
3820 NORTHDAL BOULEVARD, SUITE 202  
TAMPA, FL 33624  
PHONE: 800-422-1095

SUBMITTED FOR APPROVAL:  
MICHAEL HOFFMAN, PE \_\_\_\_\_ DATE \_\_\_\_\_  
WRIGHT-PIERCE, INC. \_\_\_\_\_

RECOMMENDED FOR APPROVAL:  
\_\_\_\_\_  
DATE \_\_\_\_\_

J:\ENG\F\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\GEN\002150A-GS-CDV-Permit.dwg, Feb 06, 2025 - 2:57pm

J:\ENGIN\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\GEN\G-2 Drawing Index - Permit.dwg, Jan 31, 2025 - 7:12am

INDEX OF PLANS

SHEET NO.	SHEET TITLE
G-1	COVER
G-2	INDEX OF PLANS
G-3	PIPE SCHEDULE, ABBREVIATIONS, AND NOTES

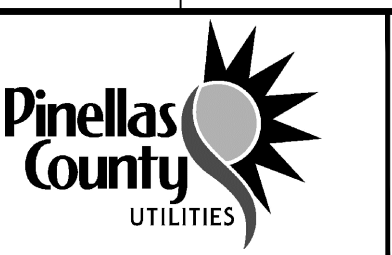
THE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWINGS SHEETS IN IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

C-1	LEGEND AND ABBREVIATIONS
C-2	GENERAL NOTES I
C-3	GENERAL NOTES II
C-4	EXISTING SITE PLAN
C-5	DEMOLITION PLAN
C-6	PROPOSED SITE PLAN
C-7	GRADING AND DRAINAGE PLAN
C-8	SITE PIPING PLAN
C-9	GEOMETRIC CONTROL PLAN
C-10	INTERIM SOURCE REMOVAL PLAN
C-11	FIRE PROTECTION PLAN
C-12	CROSS SECTIONS I
C-13	CROSS SECTIONS II
C-14	CROSS SECTIONS III
C-15	GULF BOULEVARD WATER MAIN PLAN AND PROFILE
C-16	CIVIL DETAILS I
C-17	CIVIL DETAILS II
C-18	CIVIL DETAILS III
C-19	CIVIL DETAILS IV
C-20	STORMWATER POLLUTION PREVENTION PLAN
C-21	STORMWATER POLLUTION PREVENTION NOTES I
C-22	STORMWATER POLLUTION PREVENTION NOTES II
C-23	STORMWATER POLLUTION PREVENTION DETAILS

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWINGS SHEETS IN IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

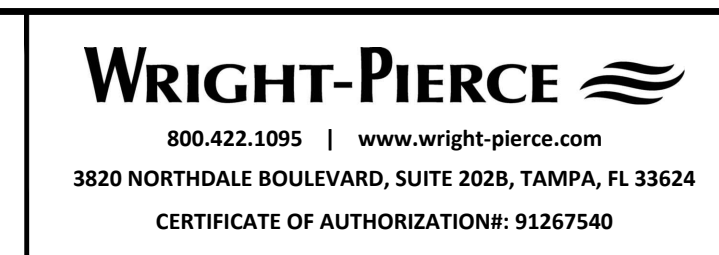
REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED	C.BAGGETT
DRAWN	C.MERRICK
CHECKED	P.QUERN



PROJECT:  
PINELLAS COUNTY, FLORIDA  
GULF BEACH WATER BOOSTER  
STATION IMPROVEMENTS

DESCRIPTION:  
INDEX OF PLANS



PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

DATE:	01-2025
PROJECT NO.	002150A
SHEET:	G-2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

PIPE SCHEDULE														
ABBREVIATION	DESCRIPTION / SERVICE	MATERIAL	INTERIOR PIPE LINING	PIPE SPECIFICATION SECTION	INSTALLATION (1)	JOINT SYSTEM	OPERATING PRESSURE (2)	TEST PRESSURE (3)	TEST SPECIFICATION SECTION	FIELD APPLIED COATING	PIPE COLOR CODE	INSULATION	ADDITIONAL NOTES	RESTRAINT NOTES
CD	CONDENSATE DRAIN	PVC	N/A	22 11 00	ANY	SOLVENT WELDED	N/A	10 FT (MIN)	22 05 00 (PROCEDURE 2)	NO	DARK GRAY BANDS	YES	N/A	(R1)
CW	DOMESTIC COLD WATER	TYPE L COPPER	N/A	22 11 00	EXPOSED	SOLDERED	80 PSIG	125 PSIG	22 05 00 (PROCEDURE 1)	NO	DARK BLUE BANDS	YES	(A3), (A4)	(R1)
FOR	FUEL OIL RETURN	BLACK STEEL	N/A	23 12 00	EXPOSED	WELDED	< 10 PSIG	150 PSIG	23 12 00	YES	YELLOW	NO	N/A	(R1)
FOS	FUEL OIL SUPPLY	BLACK STEEL	N/A	23 12 00	EXPOSED	WELDED	< 10 PSIG	150 PSIG	23 12 00	YES	YELLOW	NO	N/A	(R1)
FOV	FUEL OIL VENT	BLACK STEEL	N/A	23 12 00	EXPOSED	WELDED	N/A	N/A	N/A	YES	YELLOW	NO	N/A	(R1)
FW	FINISHED WATER	DI	CEMENT	40 05 19	BURIED	PUSH-ON	80 PSIG	125 PSIG	40 05 00 (CLASS 1)	NO	DARK BLUE BANDS	NO	(A2), (A4)	(R1)
					EXPOSED	FLANGED	80 PSIG	125 PSIG	40 05 00 (CLASS 4)	YES	DARK BLUE	NO	(A2), (A4)	(R1)
HW	DOMESTIC HOT WATER	TYPE L COPPER	N/A	22 11 00	ANY	SOLDERED	80 PSIG	125 PSIG	22 05 00 (PROCEDURE 1)	NO	DARK BLUE BANDS	YES	(A3), (A4)	(R1)
HYP-1	SODIUM HYPOCHLORITE	PVC	N/A	46 30 00	EXPOSED	SOLVENT WELDED	80 PSIG	125 PSIG	40 05 00 (CLASS 4)	NO	YELLOW BANDS	NO	(A4)	(R1)
HYP-2	SODIUM HYPOCHLORITE	PFA TUBING	N/A	46 30 00	EXPOSED	COMPRESSION, THREADED	80 PSIG	125 PSIG	40 05 00 (CLASS 4)	NO	YELLOW BANDS	NO	(A4)	(R1)
HYP-3	SODIUM HYPOCHLORITE CONTAINMENT	PVC	N/A	46 30 00	EXPOSED	SOLVENT WELDED	N/A	10 FT (MIN)	40 05 00 (CLASS 5)	NO	YELLOW BANDS	NO	N/A	(R1)
HYP-V	SODIUM HYPOCHLORITE VENT	PVC	N/A	46 30 00	EXPOSED	SOLVENT WELDED	N/A	N/A	N/A	NO	YELLOW BANDS	NO	(A4)	(R1)
HYP-OFL	SODIUM HYPOCHLORITE OVERFLOW	PVC	N/A	46 30 00	EXPOSED	SOLVENT WELDED	N/A	N/A	N/A	NO	YELLOW BANDS	NO	(A4)	(R1)
LAS-1	LIQUID AMMONIUM SULFATE	PVC	N/A	46 30 00	EXPOSED	SOLVENT WELDED	80 PSIG	125 PSIG	40 05 00 (CLASS 4)	NO	WHITE BANDS	NO	(A4)	(R1)
LAS-2	LIQUID AMMONIUM SULFATE	PFA TUBING	N/A	46 30 00	EXPOSED	COMPRESSION, THREADED	80 PSIG	125 PSIG	40 05 00 (CLASS 4)	NO	WHITE BANDS	NO	(A4)	(R1)
LAS-3	LIQUID AMMONIUM SULFATE CONTAINMENT	PVC	N/A	46 30 00	EXPOSED	SOLVENT WELDED	N/A	10 FT (MIN)	40 05 00 (CLASS 5)	NO	WHITE BANDS	NO	N/A	(R1)
PWS-1	PLANT WATER SERVICE	PVC (SCH 80)	N/A	40 05 31.14	BURIED	SOLVENT WELDED	80 PSIG	125 PSIG	33 01 10.58	NO	DARK BLUE BANDS	NO	(A1), (A4)	(R1)
PWS-2	PLANT WATER SERVICE	BRASS	N/A	40 05 00	ANY	THREADED	80 PSIG	125 PSIG	33 01 10.58	YES	DARK BLUE	NO	(A1), (A4)	(R1)
S	SANITARY SEWER	PVC	N/A	33 05 31.11	BURIED	PUSH-ON	N/A	10 FT (MIN)	33 01 30.70	NO	GREEN	NO	N/A	N/A
SAM	SAMPLE	PVC	N/A	40 05 31.14	ANY	SOLVENT WELD	80 PSIG	125 PSIG	40 05 00 (CLASS 4)	NO	DARK BLUE BANDS	NO	(A2), (A4)	(R1)
SD	STORM DRAIN	RC	N/A	33 05 39.41	BURIED	BELL AND SPIGOT	N/A	N/A	N/A	NO	N/A	NO	N/A	N/A
SPD	SUMP PUMP DISCHARGE	PVC	N/A	22 11 00	EXPOSED	SOLVENT WELD	< 5 PSI	15 PSIG	22 05 00 (PROCEDURE 1)	NO	DARK GRAY BANDS	NO	N/A	(R1)
UD	UNDERDRAIN	HDPE	N/A	33 41 16.19	BURIED	BELL AND SPIGOT	N/A	N/A	N/A	NO	N/A	NO	N/A	N/A
V	SANITARY VENT	CI	N/A	22 11 00	BURIED	HUB AND SPIGOT	N/A	10 FT (MIN)	22 05 00 (PROCEDURE 2)	NO	DARK GRAY BANDS	NO	N/A	(R1)
					EXPOSED	NO HUB	N/A	10 FT (MIN)	22 05 00 (PROCEDURE 2)	NO	DARK GRAY BANDS	YES	N/A	(R1)
W	SANITARY WASTE	CI	N/A	22 11 00	BURIED	HUB AND SPIGOT	N/A	10 FT (MIN)	22 05 00 (PROCEDURE 2)	NO	DARK GRAY BANDS	NO	N/A	(R1)
					EXPOSED	NO HUB	N/A	10 FT (MIN)	22 05 00 (PROCEDURE 2)	NO	DARK GRAY BANDS	YES	N/A	(R1)

**ABBREVIATIONS:**

CI	CAST IRON
DI	DUCTILE IRON
FT	FEET
HDPE	HIGH DENSITY POLYETHYLENE
N/A	NOT APPLICABLE
PFA	PERFLUOROALKOXY
PSIG	POUNDS PER SQUARE INCH GAUGE
PVC	POLYVINYL CHLORIDE
RC	REINFORCED CONCRETE

**NOTES:**

- (1) BURIED INCLUDES PIPES BELOW GROUND AND BELOW THE TOP OF THE BUILDING AND GROUND STORAGE TANK FOUNDATIONS. EXPOSED INCLUDES PIPES ABOVE GROUND, ABOVE THE TOPS OF FOUNDATIONS, AND WITHIN VAULTS.
- (2) THIS REPRESENTS THE NORMAL MAXIMUM OPERATING PRESSURE.
- (3) IF A TEST PRESSURE IS NOT PROVIDED, USE THE TEST PRESSURE INDICATED IN THE SPECIFICATION REFERENCED IN THE TEST DETAIL COLUMN.

**ADDITIONAL NOTES:**

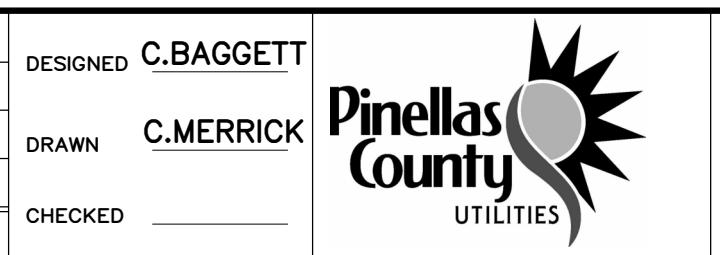
- (A1) DISINFECT PIPING PER SECTION 33 01 10.58.
- (A2) DISINFECT PIPING PER SECTION 40 05 00.
- (A3) DISINFECT PIPING PER SECTION 22 05 00.
- (A4) PIPE SHALL BEAR ANSI/NSF 61 STAMP OR LINING/PIPE SHALL MEET FLORIDA ADMINISTRATIVE CODE 62-555.320(3)(B).

**RESTRAINT NOTES:**

- (R1) RESTRAIN ALL JOINTS (FULLY RESTRAINED PIPING SYSTEM).
- (R2) RESTRAIN ALL FITTINGS AND VALVES.
- (R3) RESTRAIN IN ACCORDANCE WITH RESTRAINED JOINT SCHEDULE.

A:\desk\Draws\FL-PinellasCounty-21464-CulfBeachBoosterPS\002150A-04-PipeSchedule.rvt

DESIGNED	C.BAGGETT		
DRAWN	C.MERRICK		
CHECKED			
REV. NO.	DATE	DESCRIPTION	REV. BY



PROJECT:  
PINELLAS COUNTY, FLORIDA  
GULF BEACH WATER BOOSTER  
STATION IMPROVEMENTS

DESCRIPTION:  
PIPE SCHEDULE,  
ABBREVIATIONS,  
AND NOTES



APPROVED BY: \_\_\_\_\_  
DATE: \_\_\_\_\_

DATE: 09-2024  
PROJECT NO. 002150A  
SHEET: G-3

GRAPHIC SYMBOLS:

	CENTERLINE
	CONTOUR LINE
	EXISTING TOPOGRAPHIC FEATURE
	SURFACE WATER/WETLAND BOUNDARY
	SURVEY REFERENCE LINE
	RIGHT-OF-WAY (EXISTING)
	RIGHT-OF-WAY LINE (PROPOSED) (EXISTING W/ ACQUISITION)
	PROPERTY OR DEED LINE
	EASEMENT LINE
	EASEMENT LINE (PROPOSED) (EXISTING W/ ACQUISITION)
	SECTION LINE
	ORIGINAL LOT LINE/FORMER OWNERSHIP LINE/ VACATED EASEMENTS
	TREE LINE
	FENCE LINE
	DRAINAGE (STORM DRAIN) PIPE
	EXISTING TOP OF BANK AND TOE OF SLOPE
	SANITARY SEWER GRAVITY LINE
	COMMUNICATION LINE
	UNDERGROUND ELECTRIC POWER LINE/CABLE
	TRAFFIC POWER/COMMUNICATION LINE
	FORCE MAIN (SANITARY SEWER)
	GAS LINE
	HOT OIL LINE
	OVERHEAD WIRE
	RECLAIMED WATER LINE
	POTABLE WATER
	UNKNOWN UTILITY

ABBREVIATIONS:

(C)	CALCULATED DATA	DWM	DRIVEWAY, MARL	L	LENGTH	S	SOUTH, SANITARY
(M)	MEASURED (IN FIELD)	DWS	DRIVEWAY, STONE	LBR	LIMBEROCK BEARING RATIO	SCM	SET CONCRETE MONUMENT
(P)	PLAT DATA	E	EASTING	LF, L.F.	LINEAR FEET	SEC	SECTION, TOWNSHIP, RANGE
(R)	RECORD DATA	ECL	ELLIPSON CONTROL LINE	LL	LANE LINE	SCH	SCHEDULE
A	ARC LENGTH	ECMP	ELLIPTICAL CMP	LT	LEFT	SD	STORM DRAIN
AC	ACRE(S), ACTIVITY CENTER	ELEV	ELEVATION	MAX	MAXIMUM	SE	SOUTH
ADA	AMERICANS WITH DISABILITIES ACT	EPA	EDGE OF PAVEMENT, ASPHALT	MES	MITERED END SECTION	SFN	SURVEY FILE NUMBER
ALUM	ALUMINUM	EPC	EDGE OF PAVEMENT, CONCRETE	MH	MANHOLE	SIR	SET IRON ROD
ASPH	ASPHALT	EQ	EQUATION	MHW	MEAN HIGH WATER	SNC	SET NAIL AND CAP
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	EQUIP	EQUIPMENT	MIN	MINIMUM	SND	SET NAIL AND DISK
AUS	AUSTRALIAN	ERCP	ELLIPTICAL RCP	MLW	MEAN LOW WATER	SNS	SET NAIL AND SHINER
BC	BACK OF CURB	ERG	EDGE OF ROAD, DIRT	MNPT	MALE NATIONAL PIPE TAPERED	SDC	SET DRAINAGE CAP
BE	BURIED ELECTRICAL	ERM	EDGE OF ROAD, GRAVEL	MPH	MILES PER HOUR	SP	SUPERPAVE
BF	BLIND FLANGE	ERSH	EDGE OF ROAD, SHELL	MTLF	METAL FENCE	SPEC	SPECIFICATIONS
BFV	BUTTERFLY VALVE	ES	EXISTING STORM	N	NORTHING	SP1	STANDARD PLANS INDEX
BLDG	BUILDING	ESMT	EASEMENT	NAVD88	NORTH AMERICAN VERTICAL DATUM OF 1988	SPLWY	SPELLWAY
BM	BENCHMARK	ESS	EXISTING SANITARY SEWER	NE	NORTHEAST	SQ	SQUARE
BKDC	BOX CULVERT	EW	EACH WAY	NFV	NOT FIELD VERIFIED	SR	STATE ROAD
BRG	BEARING	EV	FLORIDA ADMINISTRATIVE CODE	NGS	NATIONAL GEODETIC SURVEY	SRC	SET RED CAP
BWF	BARBED WIRE FENCE	FAC	FOUND CONCRETE MONUMENT	NTS	NOT TO SCALE	SRL#	SURVEY REFERENCE LINE
C#	CURVE NUMBER	FCM	FOUND CONCRETE MONUMENT	NW	NORTHWEST	SRVT	SET RIVET
C/C	CENTER TO CENTER	FDC	FIRE DEPARTMENT CONNECTION	D/A C	OVERALL	SR&D	SET RIVET AND DISK
CALC	CALCULATED	FDM	FDDT DESIGN MANUAL	DD	DAK CLUSTER	SST	STAINLESS STEEL
CB	CATCH BASIN	FFE	FINISHED FLOOR ELEVATION	DH( #)	OVERHEAD UTILITY (NUMBER OF LINES)	STA	STATION
CBS	CONCRETE BLOCK STRUCTURE	FIR	FOUND IRON ROD	D/O	ORDINARY HIGH WATER	STD	STANDARD
COR####	CERTIFIED CORNER RECORD NUMBER	FIP	FOUND IRON PIPE	SW	OFFICIAL RECORD	STY	STORY
CCOL	COASTAL CONSTRUCTION CONTROL LINE	FL	FLOWLINE	D/S	OFFSET	SW	SOUTHWEST
C.F.R.	CODE OF FEDERAL REGULATIONS	FLG	FLANGE	PALM C	PALM CLUSTER	SWBR	SIDEWALK, BRICK/PAVER
CH	CHORD	FM	FORCE MAIN	PB	PLAT BOOK	SWJ	SOLENT WELDED JOINT
CI	CAST IRON	FNC	FOUND NAIL AND CAP	PC	POINT OF CURVATURE	SWK	SET YELLOW CAP
CIP	CAST IRON PIPE	FDEP	FLORIDA DEPT OF ENVIRONMENTAL PROTECTION	PCC	POINT OF COMPOUND CURVATURE	TB	TOP OF BANK
CL	CENTERLINE	FDDT	FLORIDA DEPT OF TRANSPORTATION	PCED	PINELLAS COUNTY ENGINEERING DEPT	TBM	TEMPORARY BENCHMARK
CLF	CHAIN LINK FENCE	FNDK	FOUND NAIL AND DISK	PCSD	PINELLAS COUNTY SURVEY DIVISION	TREE C	TREE CLUSTER
CMP	CORRUGATED METAL PIPE	FND	FOUND	PI	PIGE	TS	TDE OF SLOPE
CMM	COMMUNICATIONS	FNPT	FEMALE NATIONAL PIPE TAPERED	PI	POINT OF INTERSECTION	TYP	TYPICAL
CNC	CONCRETE	FNS	FOUND NAIL AND SHINER	PID	PARCEL IDENTIFICATION NUMBER	UD	UNDERDRAIN
CND	CORNDUMINIUM	FDC	FOUND DRAINAGE CAP	PINE C	PINE CLUSTER	UNBX	UNDERDRAIN BOX
CNDDD	CORNDUMINIUM	FDP	FOUND OPEN PIPE	PLNTR	PLANTER	UNK	UNKNOWN
CNST	CONSTRUCTION	FDP	FOUND PINCHED PIPE	PLS	PROFESSIONAL LAND SURVEYOR	UP ####	UTILITY POLE NUMBER
CR	CORNER	FRC	FOUND RED CAP	PNT	POINT	USEPA	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
CDRR	CORRUGATED	FRRS	FOUND RAILROAD SPIKE	PDB	POINT OF BEGINNING	VCP	VITRIFIED CLAY PIPE
CR	COUNTY ROAD	FVRT	FOUND RIVET	PDC	POINT ON COMMENCEMENT	VH	VERTIFIED VERTICAL AND HORIZONTAL
CRL	CONSTRUCTION REFERENCE LINE	FS	FLORIDA STATUTES	PRC	POINT OF REVERSE CURVATURE	VDF	VDDD FENCE
D	DELTA/CENTRAL ANGLE	FW	FINISH WATER	PSM	PROFESSIONAL SURVEYOR AND MAPPER	W	WEST
DB	DEED BOOK	FY	FISCAL YEAR	PT	POINT OF TANGENCY	W/	WITH
DBI	DITCH BOTTOM INLET	FYC	FOUND YELLOW CAP	PVC	POLYVINYL CHLORIDE	W/D	WITHOUT
DESC	DESCRIPTION	GALV	GALVANIZED	PVCF	POLYVINYL CHLORIDE FENCE	WM	WATER MAIN
DHW	DESIGN HIGH WATER	GNSS	GLOBAL NAVIGATION SATELLITE SYSTEM	R	RADIUS	R	REINFORCED CONCRETE PIPE
DIA	DIAMETER	GPR	GROUND PENETRATING RADAR	RCP	REINFORCED CONCRETE PIPE	RCW	RECLAIMED WATER
DI	DUCTILE IRON	GRAIL	GRAVEL RAIL	REF	REFERENCE	RLS	REGISTERED LAND SURVEYOR
DIP	DIAMETER RATIO	HDFE	HIGH DENSITY POLYETHYLENE	RPRP	REGISTERED LAND SURVEYOR	RIPRAP	RIPRAP
DR	DRIVEWAY, ASPHALT	HW	HEADWALL	RR	RAILROAD	RT	RIGHT
DWA	DRIVEWAY, BRICK	HWF	HOG WIRE FENCE	RTK	REAL TIME KINEMATIC	R/W	RIGHT-OF-WAY
DWB	DRIVEWAY, CONCRETE	ID	INNER DIAMETER				
DWC	DRIVEWAY, DIRT	IE	INVERT ELEVATION				
DWD	DRAWING	INV	INVERT				
DWG	DRIVEWAY, GRAVEL	JBX	JUNCTION BOX				
DWGRVL	DRIVEWAY, GRASS						
DWGS	DRIVEWAY, GRASS						

□	FOUND CONCRETE MONUMENT	①	SUB PARCEL NO.
△	FOUND NAIL & DISC/CAP BRASS DISC	②	BLOCK NUMBER
○	FOUND IRON ROD	00/00	PROPERTY APPRAISER PARCEL NUMBER
○	FOUND IRON PIPE	P###	PROPOSED PARCEL
■	FOUND PINCH PIPE		
■	SET CONCRETE MONUMENT		
▲	SET NAIL & DISC/CAP BRASS DISC		
●	SET IRON ROD		
x	XCUT (FOUND)		
x	XCUT (SET)		

▲	GROUND TARGET BENCHMARK	+	MISCELLANEOUS
⚡	BACKFLOW PREVENTER	○	PROPOSED PUBLIC SEWER MANHOLE
⚡	BENCHMARK	⊕	ROAD ELEVATION POINTS
○	BUSH / SHRUB	⊕	SATELLITE/ANTENNAE
○	BOLLARD	—	SIGN
⊕	BORING	SH	SPRINKLER HEAD
⊕	CENTERLINE	SHV	SPRINKLER HEAD VALVE
⊕	COMMUNICATIONS BOX	⊕	SURVEY LINE
⊕	COMMUNICATIONS MANHOLE	⊕	TARGET
○	DECIDUOUS TREE (OAK UNLESS OTHERWISE ANNOTATED)	⊕	TEST PIT
△	DELTA ANGLE	⊕	TEST PIT
⊕	DRAINAGE CLEAN OUT	⊕	TRAFFIC SIGNAL POLE
⊕	DRAINAGE MANHOLE	⊕	TRAFFIC SIGNAL PULL BOX
⊕	ELECTRICAL EQUIPMENT	⊕	UNDERDRAIN BOX
⊕	ELECTRICAL OUTLET	⊕	UTILITY POLE
⊕	EVERGREEN TREE	⊕	WATER METER
⊕	FIRE HYDRANT	⊕	WATER VALVE
⊕	GAS METER		
⊕	GAS VALVE		
⊕	GATE VALVE		
⊕	GRATE INLET		
—	GUY WIRE		
⊕	HOSE BIBB		
⊕	LIGHT POLE		
⊕	MAILBOX		
⊕	MONITOR WELL		
⊕	PALM TREE		
⊕	PEDESTRIAN SIGNAL		
⊕	PEDESTRIAN SCALE LIGHTING		
□	POLE/POST		
⊕	POWER BOX		
⊕	PROPERTY LINE		
⊕	RECLAIMED WATER MANHOLE		
⊕	RECLAIMED WATER METER		
⊕	RECLAIMED WATER VALVE		
⊕	SANITARY SEWER CLEANOUT		
⊕	EXISTING SANITARY SEWER CLEANOUT		
⊕	EXISTING PRIVATE SEWER MANHOLE		
⊕	EXISTING PUBLIC SEWER MANHOLE		

J:\ENR\FL\PinellasCounty\21464-GulfBeachWaterBoosterStation\_Drawings\CTV\002150-GE\01.dwg, Jan 31, 2025 - 7:18am

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

DESIGNED	M.HOFFMAN		PROJECT:	PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION:	LEGEND AND ABBREVIATIONS	DATE:	01-2025
DRAWN	D.METZ		CHECKED		W.NICKEL		PROJECT NO.	002150A
REV. NO.	DATE		DESCRIPTION		REV. BY		SHEET:	C-1

**WRIGHT-PIERCE**  
 800.422.1095 | www.wright-pierce.com  
 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624  
 CERTIFICATE OF AUTHORIZATION#: 91267540

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

**GENERAL NOTES**

1. THE OWNER WILL BE RESPONSIBLE FOR OBTAINING THE PERMITS LISTED IN THE SUPPLEMENTARY OR SPECIAL CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH THE APPLICABLE PROVISIONS OF EACH PERMIT AS THEY APPLY TO THE WORK PRIOR TO BIDDING AND ABIDE BY THOSE PROVISIONS DURING CONSTRUCTION. COPIES OF ALL OBTAINED PERMITS ARE AVAILABLE FOR REVIEW FROM THE OWNER. ALL OTHER PERMITS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
2. REFER TO THE SUPPLEMENTARY OR SPECIAL CONDITIONS FOR ANY RIGHTS-OF-WAY OR EASEMENTS THAT THE OWNER HAS OBTAINED FOR THIS PROJECT, IF ANY. THE CONTRACTOR MAY OBTAIN TEMPORARY EASEMENTS THAT IT DEEMS NECESSARY FOR EXECUTION OF THIS PROJECT (E.G., AN EASEMENT FOR OFF-SITE STORAGE OF MATERIALS, ETC.). THE CONTRACTOR SHALL INCLUDE THE COST OF ANY TEMPORARY EASEMENTS IN ITS BID. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH THE APPLICABLE PROVISIONS OF ANY EASEMENTS AS THEY APPLY TO THE WORK PRIOR TO BIDDING AND ABIDE BY THOSE PROVISIONS DURING CONSTRUCTION.
3. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).
4. CONTRACTOR SHALL COMPLY WITH THE COORDINATION REQUIREMENTS AND RELATED COSTS, IF ANY, AS SPECIFIED IN SPECIFICATION SECTION 01 31 13.

**EXISTING SITE CONDITIONS**

1. THE LOCATIONS OF UNDERGROUND UTILITIES AND STRUCTURES, AS SHOWN ON THE DRAWINGS, ARE APPROXIMATE AND MAY NOT BE COMPLETE. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE BASED ON PREVIOUS CONSTRUCTION DESIGN PLANS AND SURVEY, WHICH ARE DIGITALLY AVAILABLE UPON REQUEST. NO GUARANTEE IS MADE THAT UTILITIES OR STRUCTURES WILL BE ENCOUNTERED WHERE SHOWN, OR THAT ALL UNDERGROUND UTILITIES AND STRUCTURES ARE SHOWN. ALL LOCATIONS AND SIZES OF EXISTING UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD WITH TEST PITS AS REQUIRED PRIOR TO BEGINNING CONSTRUCTION OF NEW FACILITIES OR PIPING THAT MAY BE AFFECTED. THE CONTRACTOR WILL REALIGN NEW PIPE LOCATIONS AS REQUIRED TO CONFORM TO EXISTING LINES AND AS APPROVED BY THE ENGINEER.
2. BELOW GRADE UTILITY INFORMATION IS BASED ON INFORMATION PROVIDED BY THE SURVEYOR. LOCATION OF PUBLIC UTILITIES SHOWN IS ONLY APPROXIMATE AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL ASCERTAIN THE LOCATION AND SIZE OF EXISTING UTILITIES IN THE FIELD WITH THE RESPECTIVE UTILITY COMPANY REPRESENTATIVE PRIOR TO COMMENCING WORK. REFER TO SPECIFICATION SECTION 01 31 13. ADDITIONAL TEST PITS, BEYOND THOSE SHOWN, MAY BE REQUIRED. UTILITY CONTACTS ARE AS FOLLOWS:

<b>ELECTRIC:</b> DUKE ENERGY-ST PETERSBURG DUKE'S CUSTOMER SERVICE CENTER (407) 629-1010	<b>WATER/SEWER/RECLAIMED:</b> PINELLAS COUNTY UTILITIES DENNIS SIMPSON (727) 464-4423
---	--

<b>SEWER/RECLAIMED:</b> CITY OF ST PETE BEACH BRETT WARNER (407) 629-1010	<b>CABLE/FIBER:</b> CHARTER COMMUNICATIONS DUFFY MCCLELLAND (352) 527-2189
--	---

<b>CATV/COMM:</b> FRONTIER COMMUNICATIONS TONI CANNON (813) 875-1014	<b>FIBER/COMM:</b> MCI INVESTIGATIONS TEAM (800) 624-9675 x2
---	---

<b>CONDUIT/FIBER/SIGNAL:</b> PINELLAS COUNTY HWY/ENG JAMES JOHNSON (727) 464-8981	<b>GAS:</b> TECO PEOPLES GAS-ST PETERSBURG JOAN DOMNING (813) 275-3783
--	---

<b>FIBER:</b> UNITI FIBER LLC CHARLIE CROFT (215) 214-7059	<b>FIBER:</b> ZAYO GROUP / FORMERLY LIGHTWAVE, LLC HENRY KLOBUCAR (406) 496-6510
---	---

**DIGSAFE:**  
SUNSHINE 811  
(800) 432-4770

3. THERE ARE NO KNOWN HAZARDOUS ENVIRONMENTAL CONDITIONS WITHIN THE AREA OF WORK. IF THE PRESENCE OF HAZARDOUS ENVIRONMENTAL CONDITIONS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER IMMEDIATELY. ALL ACTIVITIES, HANDLING AND DISPOSAL OF HAZARDOUS ENVIRONMENTAL CONDITIONS AND MATERIALS SHALL BE IN ACCORDANCE WITH OSHA, FEDERAL, STATE, AND LOCAL REGULATIONS.

**SITE DEMOLITION**

1. A GREY CROSS HATCH HIGHLIGHTS AND REPRESENTS DEMOLITION ON AN ITEM(S) IN THE AREA ASSOCIATED WITH THE HATCH.
2. REFER TO THE EXISTING SITE PLAN, FOR ADDITIONAL INFORMATION REGARDING EXISTING FACILITIES. REFER TO THE LAYOUT DRAWING FOR LIMITS OF WORK.
3. REFER TO ARCHITECTURAL, STRUCTURAL, PROCESS, MECHANICAL, PLUMBING, INSTRUMENTATION AND ELECTRICAL DRAWINGS FOR SPECIFIC INFORMATION REGARDING DEMOLITION AND REMOVAL.
4. REFER TO SPECIFICATION SECTION 01 11 01, WHICH CONTAINS INFORMATION ON CONSTRAINTS OF CONSTRUCTION SEQUENCING.
5. DEMOLISH/REMOVE EXISTING PIPING AS REQUIRED FOR CONSTRUCTION OF NEW FACILITIES. ALL PIPING, EQUIPMENT AND MATERIALS TO BE DEMOLISHED AND/OR REMOVED FROM SERVICE SHALL BE COORDINATED WITH THE OWNER AND ENGINEER BEFORE COMMENCING THAT WORK. EXISTING PIPING THAT NEEDS TO BE REMOVED TO CONSTRUCT THE NEW FACILITIES, BUT IS TO REMAIN, SHALL BE REINSTALLED/REPLACED AS NEEDED. EXISTING PIPES AND CONDUIT DESIGNATED AS "ABANDONED" MAY BE REMOVED IF THE CONTRACTOR SO CHOOSES. IF ABANDONED PIPE CONFLICTS WITH NEW SITE PIPING OR FACILITIES, THEN A PORTION OF THE ABANDONED PIPE SHALL BE REMOVED, AND THE NEW ENDS OF ABANDONED PIPE CAPPED OR PLUGGED WITH CONCRETE.
6. ALL EXISTING PIPING AND UTILITIES WHICH ARE BENEATH PROPOSED STRUCTURES, AND ARE TO BE ABANDONED, SHALL BE REMOVED TO A MINIMUM OF 5- FEET OUTSIDE OF THE STRUCTURE. PIPE AND UTILITIES BENEATH PROPOSED STRUCTURES THAT ARE TO REMAIN SHALL BE CONCRETE ENCASED, UNLESS OTHERWISE INDICATED. REFER TO THE STRUCTURAL DRAWINGS FOR DETAILS.
7. SEVERING OF EXISTING UTILITIES FOR ABANDONMENT, OR REMOVAL OF A SEGMENT FROM SERVICE, SHALL BE PERFORMED IN SUCH A MANNER AS TO ALLOW THE REMAINING ACTIVE SEGMENT TO CONTINUE IN ITS INTENDED SERVICE. CAP ACTIVE SEGMENTS WITH APPROPRIATE FITTINGS, JOINT RESTRAINT, ETC. TO ENSURE THEIR INTEGRITY. PLUG ENDS OF ABANDONED PIPE SEGMENTS WITH CONCRETE UNLESS SPECIAL CIRCUMSTANCES DICTATE PLUGGING ABANDONED PIPES WITH BLIND FLANGES, RESTRAINED MECHANICAL JOINT PLUGS, ETC. AS APPROPRIATE.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND DISPOSING OF ALL DEMOLISHED PIPING, EQUIPMENT AND MATERIALS. DISPOSAL SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL REGULATIONS. THE OWNER RESERVES THE RIGHT TO RETAIN ANY SUCH PIPING, EQUIPMENT AND MATERIALS DESIGNATED FOR DEMOLITION. SUCH MATERIALS TO BE RETAINED SHALL BE PROPERLY STORED IN AN ON-SITE LOCATION. COORDINATE LOCATION AND MATERIALS TO BE SALVAGED WITH THE OWNER/ENGINEER. REFER TO SPECIFICATION SECTION 02 41 00.
9. THE CONTRACTOR SHALL KEEP A RECORD OF DEMOLITION AS PART OF THE PROJECT RECORD DOCUMENTS IN ACCORDANCE WITH SPECIFICATION SECTION 01 78 39.
10. THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO ENSURE THAT ALL PROCESS FLOWS ARE MAINTAINED DURING CONSTRUCTION. GRAVITY OR PUMPED BYPASSES AND OTHER MEANS OF MAINTAINING FLOW SHALL BE SUBJECT TO THE REVIEW AND ACCEPTANCE OF THE ENGINEER. THE CONTRACTOR SHALL COORDINATE ANY TEMPORARY STOPPAGES OR BYPASSES WITH THE OWNER AND ENGINEER. FEDERAL AND STATE REGULATIONS REQUIRE THAT THE TREATMENT FACILITY REMAIN IN OPERATION (ALL TREATMENT, DISINFECTION, SLUDGE HANDLING AND DISPOSAL PROCESSES) THROUGHOUT CONSTRUCTION, AND THAT DISCHARGE PERMITS ARE MET. REFER TO SPECIFICATION SECTION 01 11 01.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE APPROPRIATE DISPOSAL OF FLOWS RESULTING FROM PRECIPITATION AND GROUNDWATER DEWATERING OPERATIONS.

**SITE CLEARING, GRUBBING AND GRADING**

1. STRIPPING OF TOPSOIL SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 31 14 00. REFER TO THE LAYOUT AND GRADING DRAWINGS FOR LIMIT OF WORK AND STRIPPING.
2. CONTRACTOR SHALL MINIMIZE CLEARING OPERATIONS. CLEARING AND GRUBBING SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 31 11 00. CLEARING LIMITS SHALL BE AS INDICATED ON THE DRAWINGS, BUT AT ALL TIMES WITHIN EXISTING ROAD RIGHTS OF WAY AND PROPERTY LINES ON STATE OR COUNTY OWNED PROPERTY OR EASEMENTS. ALL CLEARING AND GRUBBING MATERIAL SHALL BE THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF AT A SITE PROVIDED BY THE CONTRACTOR IN COMPLIANCE WITH ALL STATE AND LOCAL LAWS.
3. CONTRACTOR SHALL PROVIDE PROPER EROSION CONTROL AND DRAINAGE MEASURES IN ALL AREAS OF WORK, AND CONFINE SOIL SEDIMENT TO WITHIN THE LIMITS OF EXCAVATION AND GRADING. PRIOR TO BEGINNING EXCAVATION WORK, EROSION CONTROL FENCE SHALL BE INSTALLED AT THE DOWN GRADIENT PERIMETER OF THE ACTUAL LIMITS OF GRUBBING AND/OR GRADING, AND AS SHOWN ON THE DRAWINGS. EROSION CONTROL MEASURES SHOWN ON THE DRAWINGS ARE A MINIMUM. CONTRACTOR SHALL TAKE ALL OTHER NECESSARY MEASURES. EROSION CONTROL FENCE SHALL ALSO BE INSTALLED AT THE DOWN GRADIENT PERIMETER OF THE TOPSOIL STOCKPILES. ALL DISTURBED EARTH SURFACES SHALL BE STABILIZED IN THE SHORTEST PRACTICAL TIME AND TEMPORARY EROSION CONTROL DEVICES SHALL BE EMPLOYED UNTIL SUCH TIME AS ADEQUATE SOIL STABILIZATION HAS BEEN ACHIEVED. TEMPORARY STORAGE OF EXCAVATED MATERIAL SHALL BE STABILIZED IN A MANNER THAT WILL MINIMIZE EROSION. ALL INSTALLED EROSION CONTROL FACILITIES SHALL BE REMOVED AT THE END OF THE PROJECT. REFER TO SPECIFICATION SECTION 31 25 00.
4. ALL STORM DRAINAGE INLETS SHALL BE PROTECTED TO PREVENT ENTRY OF SEDIMENT FROM RUNOFF WATERS DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL COLLECTED SEDIMENT, AND THAT WHICH COLLECTS IN THE STORM DRAIN SYSTEM. REFER TO THE CIVIL DETAIL DRAWINGS.
5. THE GEOTECHNICAL DATA REPORT FOR THE PROJECT SITE IS INCLUDED IN APPENDIX A OF THE SPECIFICATIONS.
6. CONTRACTOR SHALL CONTROL DUST ON THE CONSTRUCTION SITE TO A REASONABLE LIMIT, AS DETERMINED BY THE ENGINEER, AND AS OUTLINED IN SPECIFICATION SECTION 01 57 26.
7. CONTRACTOR SHALL NOT TRACK OR SPILL EARTH, DEBRIS OR OTHER CONSTRUCTION MATERIAL ON PUBLIC OR PRIVATE STREETS AND PLANT DRIVES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE ASSOCIATED CLEAN UP.
8. ALL CATCH BASINS, MANHOLES, VALVE PITS, VALVE BOXES AND OTHER BURIED FACILITIES WITH SURFACE ACCESS SHALL BE ADJUSTED TO MATCH FINAL GRADES, UNLESS OTHERWISE INDICATED.
9. THE CONTRACTOR SHALL NOT HAVE ANY RIGHT OF PROPERTY IN ANY MATERIALS TAKEN FROM ANY EXCAVATION. SUITABLE EXCAVATED MATERIAL MAY BE INCORPORATED IN THE PROJECT, WITH EXCESS MATERIAL DISPOSED OF AT A LOCATION PROVIDED BY THE CONTRACTOR. THESE PROVISIONS SHALL IN NO WAY RELIEVE THE CONTRACTOR OF OBLIGATIONS TO PROPERLY DISPOSE OF AND REPLACE ANY MATERIAL DETERMINED BY THE ENGINEER TO BE UNSUITABLE FOR BACKFILLING. THE CONTRACTOR SHALL DISPOSE OF UNSUITABLE AND EXCESS MATERIAL IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE CONTRACT DOCUMENTS.
10. CONTRACTOR SHALL REMOVE AND REPLACE, OR REPAIR, ALL CURBS, SIDEWALKS, PAVEMENT AND OTHER ITEMS DAMAGED BY CONSTRUCTION ACTIVITIES TO AT LEAST THEIR ORIGINAL CONDITION, TO THE SATISFACTION OF THE OWNER AND ENGINEER.
11. ALL NON-PAVED AREAS THAT ARE EXCAVATED, FILLED, OR OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE SODDED, UNLESS OTHERWISE NOTED. REFER TO SPECIFICATION SECTION 32 92 19, THE LANDSCAPE PLAN, AND THE LANDSCAPE DETAILS.

**CIVIL SITE LAYOUT**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THIS PROVIDED LAYOUT INFORMATION THROUGHOUT THE COURSE OF CONSTRUCTION. REPORT ANY LAYOUT DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
2. REFER TO THE SITE PIPING AND SITE GRADING DRAWINGS FOR ADDITIONAL LAYOUT INFORMATION.
3. CONTRACTOR SHALL EXCAVATE TEST PITS, WHERE NECESSARY, PRIOR TO CONSTRUCTION LAYOUT AND RESULTS REPORTED TO THE ENGINEER FOR REVIEW FOR CONFORMANCE TO THE PLANS. TEST PITS ARE REQUIRED WHERE SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
4. IN GENERAL, THE GIVEN STRUCTURE LOCATIONS ARE TO THE OUTSIDE FACE OF THE STRUCTURE FOUNDATION WALL, NOT FOOTINGS. REFER TO THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR BUILDING AND STRUCTURE DIMENSIONS. RADII SHOWN FOR ROADS ARE TO EDGE OF PAVEMENT.
5. PLACE CRUSHED STONE MOWING STRIP AROUND THOSE STRUCTURES AS INDICATED ON THE DRAWINGS. REFER TO THE CIVIL DETAIL DRAWINGS.
6. THE LOCATIONS AND LIMITS OF ALL ON-SITE WORK AND STORAGE AREAS SHALL BE REVIEWED/COORDINATED WITH, AND ACCEPTABLE TO, THE OWNER AND ENGINEER. THE CONTRACTOR SHALL LIMIT ACTIVITIES TO THESE AREAS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RE-ESTABLISHING AND RESETTling ALL EXISTING PROPERTY MONUMENTATION DISTURBED BY CONSTRUCTION. THIS WORK SHALL BE DONE BY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA, AT NO ADDITIONAL COST TO THE OWNER.
8. WRITTEN DIMENSIONS SHALL PREVAIL. DO NOT SCALE DISTANCES FROM THE DRAWINGS. REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
9. BOLLARD LOCATIONS SHOWN ARE APPROXIMATE. COORDINATE BOLLARD LOCATIONS WITH THE ENGINEER. REFER TO THE CIVIL DETAIL DRAWINGS.
10. ALL ELEVATIONS REFER TO THE NAVD88 DATUM. HORIZONTAL POSITIONS FOR ALL FEATURES ARE RELATIVE TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM OF 1983/2011 ADJUSTMENT, ZONE 902, FLORIDA WEST. HORIZONTAL CONTROL WAS ESTABLISHED USING THE FDOT FLORIDA PERMANENT REFERENCE NETWORK, A REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM. ALL TOPOGRAPHIC FEATURES WERE COLLECTED CONVENTIONALLY FROM CONTROL POINTS ELEVATED FROM A CLOSED LOOP BENCH RUN FROM NATIONAL GEODETIC SURVEY POINT "NOAA D". CONTRACTOR SHALL VERIFY BENCHMARK ELEVATIONS PRIOR TO USING IN CONSTRUCTION.

11. EXISTING CONDITIONS SITE PLAN DEVELOPED FROM SURVEY DRAWING PREPARED BY ECHO UES, INC, DATED 3/25/2024, AND EXISTING RECORD DRAWING INFORMATION.

**CIVIL SITE PIPING**

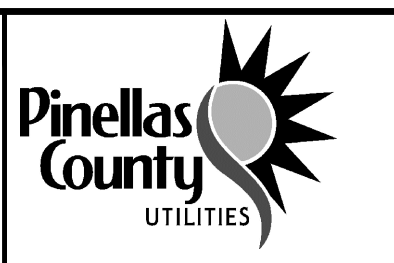
1. PROCESS FLOW DIAGRAM AND PIPING LEGEND ARE ON THE PROCESS DRAWINGS. THE PROCESS PIPING SCHEDULE AND ADDITIONAL PIPING NOTES ARE LOCATED IN SPECIFICATION SECTION 40 05 00.
2. ALL PIPE LINES SHALL SLOPE UNIFORMLY BETWEEN ELEVATIONS INDICATED ON THE DRAWINGS. NO CRESTS IN PIPING WILL BE PERMITTED. CONCRETE THRUST BLOCKS OR OTHER ACCEPTABLE RESTRAINT SYSTEM IS REQUIRED ON ALL FITTINGS ON PRESSURE PIPE. WHERE A RESTRAINED JOINT SYSTEM IS USED, THE NUMBER OF PIPES WITH RESTRAINED JOINTS ON EITHER SIDE OF THE FITTING SHALL BE DESIGNED TO REFLECT THE PROJECT SOIL CONDITIONS AND PEAK SURGE PRESSURE IN THE PIPING SYSTEM. SEE THE CIVIL DETAIL DRAWINGS FOR THRUST BLOCK DETAILS. PROVIDE ALL BENDS (HORIZONTAL AND VERTICAL) AS REQUIRED TO MEET THE GRADES AND ALIGNMENT INDICATED ON THE DRAWINGS.
3. THE CONTRACTOR SHALL ASCERTAIN THE LOCATION AND SIZE OF EXISTING PIPING AND UTILITIES IN THE FIELD BY TEST PIT EXCAVATION PRIOR TO COMMENCING INSTALLATION OF ANY OF THE NEW PIPING AFFECTED. WHERE NEW PIPE CONNECTS TO EXISTING PIPING OR STRUCTURAL PENETRATION, CONTRACTOR SHALL VERIFY ELEVATION BY TEST PIT, AS REQUIRED, PRIOR TO INSTALLATION OF ANY OF THE ASSOCIATED/AFFECTED NEW PIPING. IDENTIFIED CONFLICTS WITH EXISTING PIPING AND UTILITIES WILL BE REVIEWED WITH THE ENGINEER PRIOR TO COMMENCING INSTALLATION. THE HORIZONTAL ALIGNMENT OF NEW PIPING MAY BE ADJUSTED IN THE FIELD SUBJECT TO PRIOR REVIEW AND ACCEPTANCE OF THE ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT OF ALL PROPOSED WORK AS SHOWN ON THE DRAWINGS AND REPORT ANY LAYOUT DISCREPANCIES IMMEDIATELY TO THE ENGINEER.
4. ALL WASTEWATER PIPING (EXCLUDING BUILDING DRAINS) AND ALL PRESSURIZED PIPES (I.E. PLANT WATER, CITY WATER, SOLUTION LINES, HEAT, ETC.) INSTALLED BENEATH STRUCTURES SHALL BE ENCASED IN CONCRETE. SEE STRUCTURAL DRAWING FOR DETAILS.
5. ALL BURIED CONNECTIONS TO STRUCTURES SHALL HAVE SLEEVE TYPE FLEXIBLE CONNECTIONS APPROXIMATELY 4- FEET FROM THE STRUCTURES. ALL SLEEVE TYPE COUPLINGS ON PRESSURE LINES SHALL BE RESTRAINED (SOLID SLEEVE). REFER TO SPECIFICATION SECTION 40 05 06.
6. PROVIDE CAST OR DUCTILE IRON WALL CASTINGS, OR GALVANIZED STEEL PIPE SLEEVES, FOR ALL PIPE PENETRATIONS MADE THROUGH CONCRETE FOUNDATIONS, WALLS AND SLABS. ALL WALL SLEEVES AND WALL CASTINGS SHALL HAVE WATERSTOPS. SEE PROCESS, MECHANICAL AND STRUCTURAL DRAWINGS FOR LOCATIONS OF PENETRATIONS. NEW PENETRATIONS THROUGH EXISTING STRUCTURE WALLS SHALL BE BY CORING MACHINE AND LINK-TYPE SEALS, UNLESS OTHERWISE INDICATED. OPENINGS TO BE COMPATIBLE WITH REQUIRED PIPING AND STANDARD LINK SEAL SIZES. SEE PROCESS DETAIL DRAWINGS. REFER TO SPECIFICATION SECTION 40 05 09.
7. MANHOLES ARE 4- FEET IN DIAMETER UNLESS OTHERWISE NOTED. THE TOP OF MANHOLE FRAMES SHALL BE SET FLUSH WITH FINISH GRADE, UNLESS OTHERWISE NOTED ON DRAWINGS. SEWER MANHOLE INVERTS SHOWN ON THE DRAWINGS ARE TO THE INSIDE FACE OF THE MANHOLE.
8. PIPES WITHIN VALVE PITS (MANHOLES) SHALL BE SUPPORTED 12- INCHES ABOVE BOTTOM OF MANHOLE ON ADJUSTABLE PIPE SADDLE SUPPORTS, IN ACCORDANCE WITH SPECIFICATION SECTION 40 05 10, UNLESS OTHERWISE INDICATED.
9. CONTRACTOR SHALL RE-SHAPE INVERTS AS REQUIRED WHEN CONNECTING INTO EXISTING MANHOLES.
10. REFER TO SPECIFICATION SECTION 31 23 00 FOR PIPE AND STRUCTURE BEDDING AND BACKFILL REQUIREMENTS.
11. COMPACTION TESTS WILL BE PERFORMED IN ACCORDANCE WITH SPECIFICATION SECTION 31 23 00. ANY SETTLEMENT OCCURRING WITHIN ONE-YEAR OF FINAL COMPLETION OF THE WORK SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST.
12. IN THOSE INSTANCES WHERE POWER OR TELEPHONE POLE SUPPORT IS REQUIRED, THE CONTRACTOR SHALL PROVIDE A MINIMUM 48-HOUR NOTICE TO THE RESPECTIVE UTILITY POLE OWNER. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR TEMPORARY BRACING OF UTILITIES.
13. WHERE NEW PIPING IS TO BE CONNECTED TO EXISTING PIPING, THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ADAPTERS, FITTINGS, AND ADDITIONAL PIPE AS REQUIRED TO COMPLETE THE CONNECTION. CONTRACTOR SHALL VERIFY LOCATION, ELEVATION, ORIENTATION AND MATERIAL OF CONSTRUCTION. TEST PITS SHALL BE USED AS REQUIRED.
14. ALL EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION ARE TO REMAIN IN SERVICE UNLESS OTHERWISE NOTED ON THE CIVIL EXISTING CONDITIONS AND DEMOLITION PLAN. ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEMOLITION MATERIALS IN ACCORDANCE WITH SPECIFICATION SECTION 02 41 00.
16. WHENEVER SEWER AND WATER MAINS MUST CROSS, WATER LINES SHOULD BE INSTALLED ABOVE WASTEWATER OR SLUDGE LINES. A MINIMUM SEPARATION OF 18- INCHES BETWEEN THE BOTTOM OF THE WATER LINE AND THE TOP OF THE WASTEWATER OR SLUDGE LINE SHALL BE MAINTAINED. WHERE A WATER LINE CROSSES UNDER A WASTEWATER OR SLUDGE LINE, A FULL LENGTH OF PIPE SHALL BE CENTERED ABOVE THE WATER LINE SO THAT BOTH JOINTS WILL BE AS FAR FROM THE WATER LINE AS POSSIBLE.
17. ALL STRUCTURES AND PIPELINES LOCATED ADJACENT TO ANY TRENCH EXCAVATION SHALL BE PROTECTED AND FIRMLY SUPPORTED BY THE CONTRACTOR UNTIL THE TRENCH IS BACKFILLED. DAMAGE TO ANY SUCH STRUCTURES CAUSED BY OR RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. ALL UTILITIES REQUIRING REPAIR, RELOCATION OR ADJUSTMENT AS A RESULT OF THE PROJECT SHALL BE COORDINATED THROUGH THE OWNER.
18. PIPING ON THE SITE PIPING PLAN HAS BEEN SHOWN BROKEN FOR CLARITY ONLY. PIPE BREAKS DO NOT INDICATE RELATIVE ELEVATIONS OF PIPING.
19. ELECTRICAL CONDUIT RUNS ARE INDICATED ON THE ELECTRICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION, EXCAVATION AND BACKFILLING REQUIRED FOR THE ELECTRICAL CONDUITS, AND SHALL FURNISH AND INSTALL ELECTRICAL MANHOLES AND HANDHOLES. COORDINATE THE LOCATION OF THE ELECTRICAL MANHOLES AND HANDHOLES, AND THE REQUIRED OPENING SIZES, WITH THE ELECTRICAL CONTRACTOR.
20. WHENEVER PROPOSED STRUCTURES ARE LOCATED PARTLY WITHIN A PAVED AREA AND PARTLY IN A NON-PAVED AREA, A BITUMINOUS CONCRETE PAVED APRON 2- FEET WIDE SHALL BE SUPPLIED AROUND THE PROPOSED COVER. PAVEMENT SHALL SLOPE AWAY FROM THE COVER.

J:\ENGL\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CTV\F002150-GE\N02.dwg, Jan 31, 2025 - 7:18am

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

DESIGNED	M.HOFFMAN		
DRAWN	D.METZ		
CHECKED	W.NICKEL		
REV. NO.	DATE	DESCRIPTION	REV. BY

PROJECT:	PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS
----------	--



DESCRIPTION:	GENERAL NOTES I
--------------	-----------------

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.
---

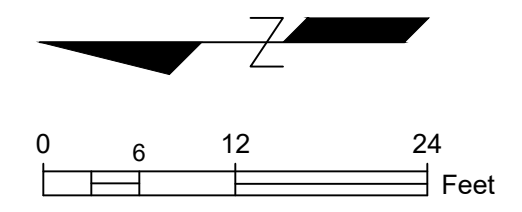
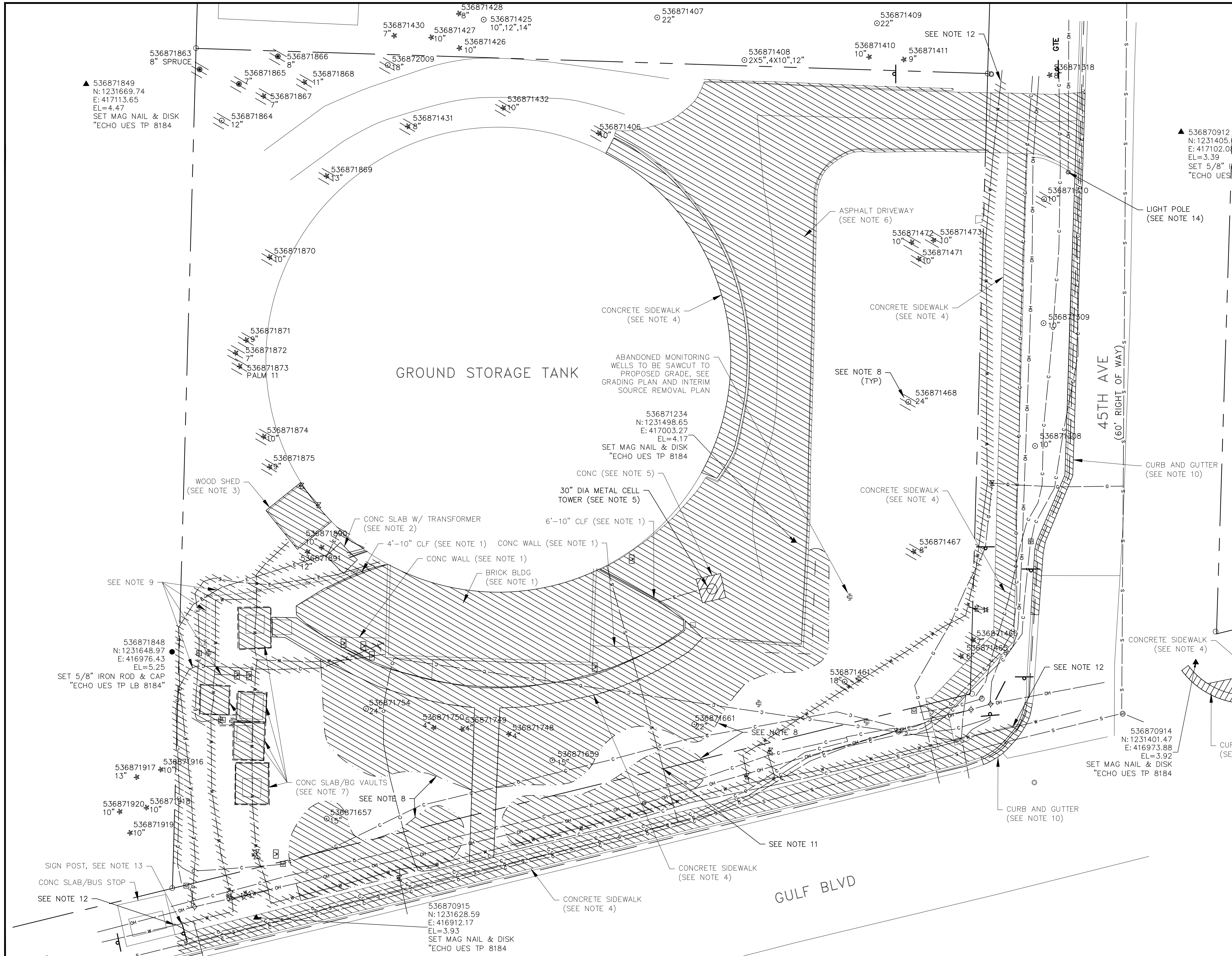
**WRIGHT-PIERCE**  
800.422.1095 | www.wright-pierce.com  
3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624  
CERTIFICATE OF AUTHORIZATION#: 91267540

DATE:	01-2025
PROJECT NO.	002150A
SHEET:	C-2





J:\ENR\FL\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CTV\F002150A-DEM.dwg, Jan 31, 2025 - 7:19am



TREE DEMO	
SURVEY TREE NUMBER	SIZE REPLACEMENT TREE REQUIRED
536871310	10"
536871406	10"
536871431	8"
536871432	10"
536871461	18"
536871465	6"
536871466	7"
536871467	8"
536871468	24"
536871471	10"
536871472	10"
536871473	10"
536871657	15"
536871659	15"
536871661	22"
536871748	4"
536871749	4"
536871750	4"
536871754	24"
536871863	8"
536871864	12"
536871865	7"
536871866	8"
536871867	7"
536871868	11"
536871869	13"
536871870	10"
536871871	9"
536871872	7"
536871873	11"
536871874	10"
536871875	9"
536871890	10"
536871891	12"
536872009	18"



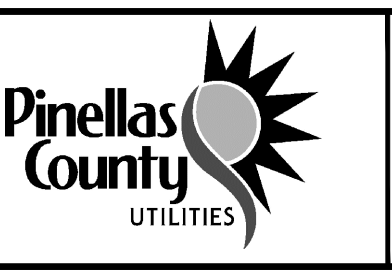
LIMITS OF DEMOLITION

**NOTES:**

1. DEMOLISH BRICK BUILDING, CONCRETE WALLS AND CHAIN LINK FENCES.
2. REMOVE TRANSFORMER AND DEMOLISH CONCRETE SLAB.
3. DEMOLISH WOOD SHED.
4. DEMOLISH CONCRETE SIDEWALK.
5. REMOVE CELL TOWER AND DEMOLISH CONCRETE SLAB.
6. DEMOLISH ASPHALT DRIVEWAY AND CURBS.
7. DEMOLISH CONCRETE SLABS AND BG VAULTS.
8. REMOVE TREES AND VEGETATION.
9. REMOVE ELECTRIC, WATER, COMMUNICATION AND UNKNOWN UTILITIES TO THE EXTENTS SHOWN.
10. DEMOLISH CURB AND GUTTER.
11. DEMOLISH SANITARY LATERAL TO ROW.
12. CUT AND REMOVE EXISTING CI WATER MAIN. REPAIR SURFACE AND LINING OF EXISTING CI WM TO REMAIN.
13. REMOVE SIGN POST.
14. LIGHT POLE TO BE RELOCATED (COORDINATE WITH UTILITY PROVIDER).

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED **M. HOFFMAN**  
 DRAWN **D. METZ**  
 CHECKED **W. NICKEL**



PROJECT:  
**PINELLAS COUNTY, FLORIDA  
 GULF BEACH WATER BOOSTER  
 STATION IMPROVEMENTS**

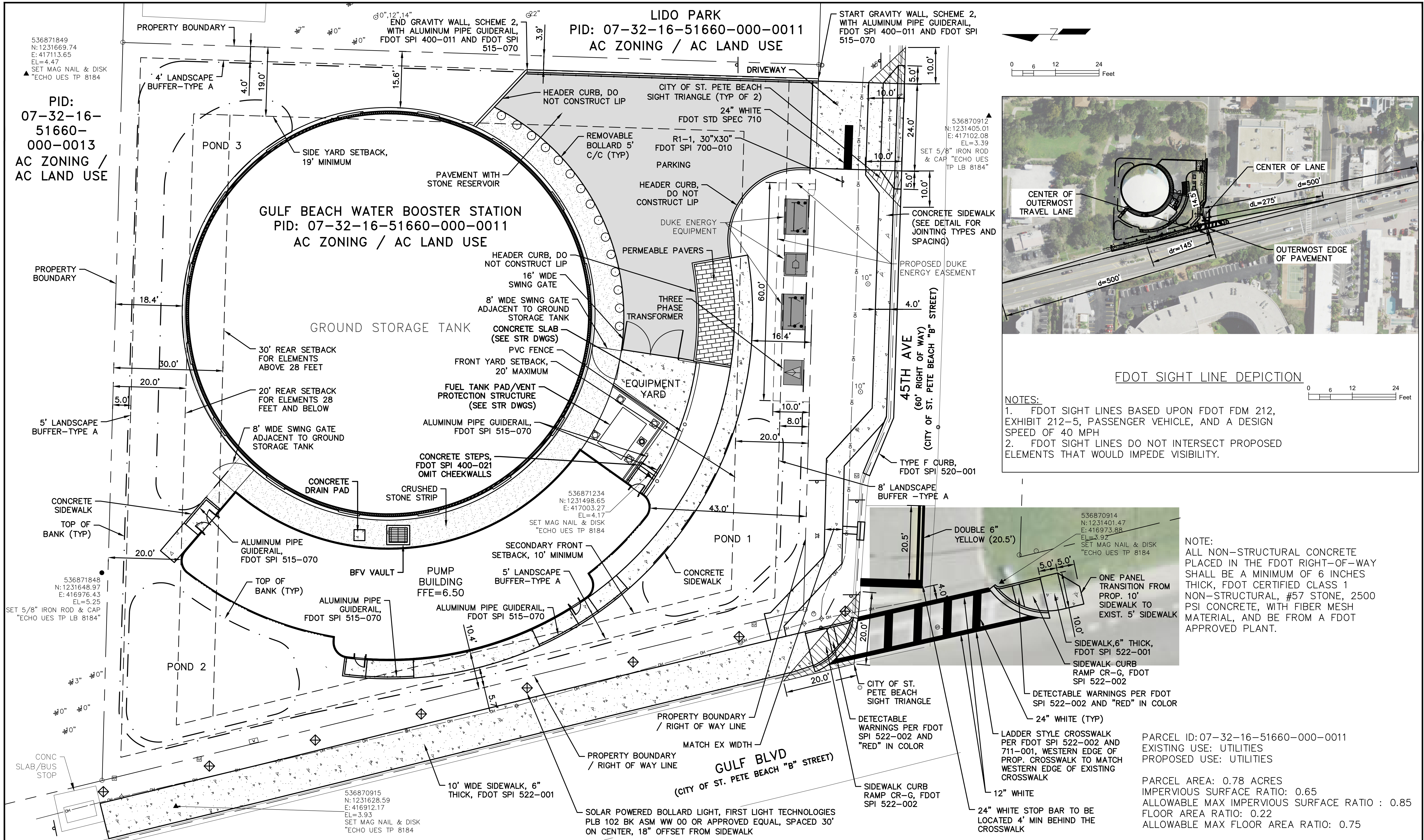
DESCRIPTION:  
**DEMOLITION PLAN**

**WRIGHT-PIERCE**  
 800.422.1095 | www.wright-pierce.com  
 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624  
 CERTIFICATE OF AUTHORIZATION#: 91267540

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

DATE: 01-2025  
 PROJECT NO. 002150A  
 SHEET: C-5

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



536871849  
 N: 1231669.74  
 E: 417113.65  
 EL=4.47  
 SET MAG NAIL & DISK  
 "ECHO UES TP 8184"

PID:  
 07-32-16-  
 51660-  
 000-0013  
 AC ZONING /  
 AC LAND USE

PROPERTY  
 BOUNDARY

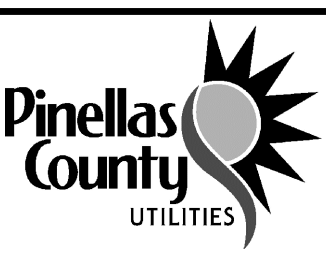
5' LANDSCAPE  
 BUFFER-TYPE A

536871848  
 N: 1231648.97  
 E: 416976.43  
 EL=5.25  
 SET 5/8" IRON ROD & CAP  
 "ECHO UES TP LB 8184"

CONC  
 SLAB/BUS  
 STOP

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED M. HOFFMAN  
 DRAWN D. METZ  
 CHECKED W. NICKEL



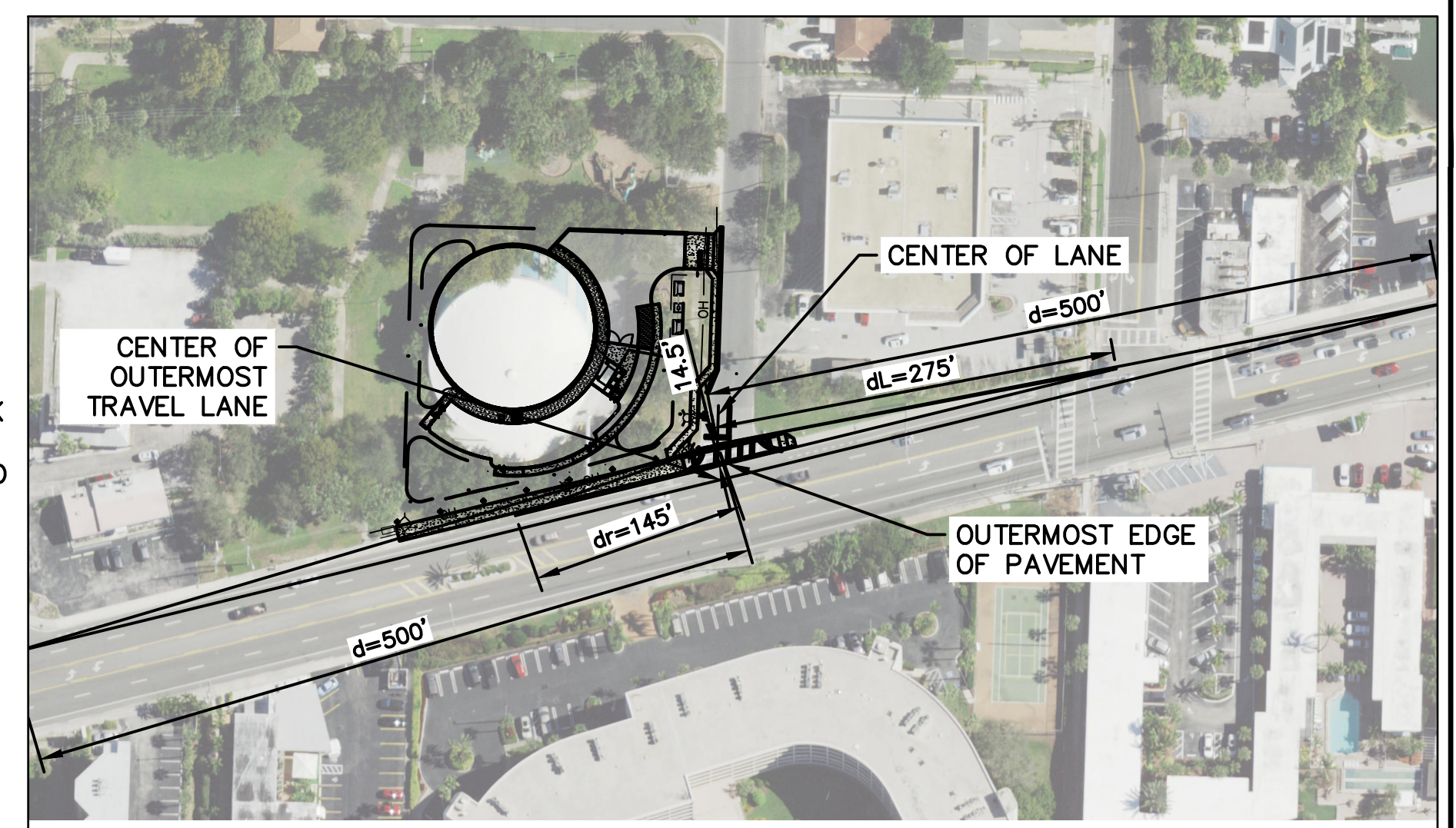
PROJECT:  
 PINELLAS COUNTY, FLORIDA  
 GULF BEACH WATER BOOSTER  
 STATION IMPROVEMENTS

DESCRIPTION:  
 PROPOSED SITE PLAN

**WRIGHT-PIERCE**  
 800.422.1095 | www.wright-pierce.com  
 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624  
 CERTIFICATE OF AUTHORIZATION#: 91267540

PRINTED COPIES OF THIS DOCUMENT ARE NOT  
 CONSIDERED SIGNED AND SEALED AND THE  
 SIGNATURE MUST BE VERIFIED ON ANY  
 ELECTRONIC COPIES.

DATE: 01-2025  
 PROJECT NO. 002150A  
 SHEET: C-6



FDOT SIGHT LINE DEPICTION

NOTES:  
 1. FDOT SIGHT LINES BASED UPON FDOT FDM 212,  
 EXHIBIT 212-5, PASSENGER VEHICLE, AND A DESIGN  
 SPEED OF 40 MPH  
 2. FDOT SIGHT LINES DO NOT INTERSECT PROPOSED  
 ELEMENTS THAT WOULD IMPEDE VISIBILITY.

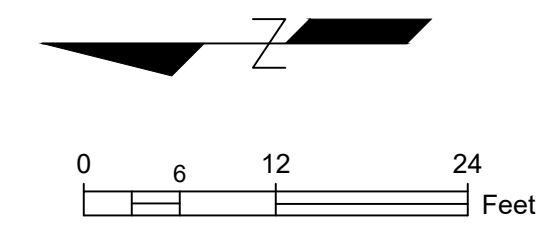
NOTE:  
 ALL NON-STRUCTURAL CONCRETE  
 PLACED IN THE FDOT RIGHT-OF-WAY  
 SHALL BE A MINIMUM OF 6 INCHES  
 THICK, FDOT CERTIFIED CLASS 1  
 NON-STRUCTURAL, #57 STONE, 2500  
 PSI CONCRETE, WITH FIBER MESH  
 MATERIAL, AND BE FROM A FDOT  
 APPROVED PLANT.

PARCEL ID: 07-32-16-51660-000-0011  
 EXISTING USE: UTILITIES  
 PROPOSED USE: UTILITIES

PARCEL AREA: 0.78 ACRES  
 IMPERVIOUS SURFACE RATIO: 0.65  
 ALLOWABLE MAX IMPERVIOUS SURFACE RATIO : 0.85  
 FLOOR AREA RATIO: 0.22  
 ALLOWABLE MAX FLOOR AREA RATIO: 0.75

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

LIDO PARK  
 PID: 07-32-16-51660-000-0011  
 AC ZONING / AC LAND USE



536871849  
 N: 1231669.74  
 E: 417113.65  
 EL=4.47  
 SET MAG NAIL & DISK  
 "ECHO UES TP 8184"  
 PID:  
 07-32-16-  
 51660-  
 000-0013  
 AC ZONING /  
 AC LAND USE

536870912  
 N: 1231405.01  
 E: 417102.08  
 EL=3.39  
 SET 5/8" IRON ROD & CAP  
 "ECHO UES TP LB 8184"

536870914  
 N: 1231401.47  
 E: 416973.88  
 EL=5.92  
 SET MAG NAIL & DISK  
 "ECHO UES TP 8184"

GULF BEACH WATER  
 BOOSTER STATION  
 PID:  
 07-32-16-51660-000-0011  
 AC ZONING / AC LAND USE

GROUND STORAGE TANK

(2) CONCRETE STEPS WITH ALUMINUM RAILING,  
 FDOT SPI 400-021 AND FDOT SPI 515-070,  
 OMIT CHEEKWALLS

536871234  
 N: 1231498.65  
 E: 417003.27  
 EL=4.17  
 SET MAG NAIL & DISK  
 "ECHO UES TP 8184"

STORMWATER PEAK STAGES		
LOCATION	SWFWMD 100YR/24HR	FDOT 100YR/24HR
POND 1	5.7	5.2
POND 2	5.7	5.2
POND 3	5.7	5.2
PAVEMENT WITH STONE RESERVOIR	5.7	5.2

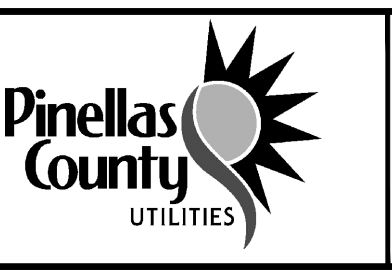
NOTE:  
 ALL EXISTING UTILITY COVERS/MANHOLES TO REMAIN SHALL BE  
 ADJUSTED TO FINISHED GRADE.

J:\ENGIN\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CV\002150A-CRAD.dwg, Jan 31, 2025 - 7:20am

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED M. HOFFMAN  
 DRAWN D. METZ  
 CHECKED W. NICKEL



PROJECT:  
 PINELLAS COUNTY, FLORIDA  
 GULF BEACH WATER BOOSTER  
 STATION IMPROVEMENTS

DESCRIPTION:  
 GRADING AND DRAINAGE PLAN

**WRIGHT-PIERCE**  
 800.422.1095 | www.wright-pierce.com  
 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624  
 CERTIFICATE OF AUTHORIZATION#: 91267540

PRINTED COPIES OF THIS DOCUMENT ARE NOT  
 CONSIDERED SIGNED AND SEALED AND THE  
 SIGNATURE MUST BE VERIFIED ON ANY  
 ELECTRONIC COPIES.

DATE: 01-2025  
 PROJECT NO. 002150A  
 SHEET: C-7

LIDO PARK  
 PID: 07-32-16-51660-000-0011  
 AC ZONING / AC LAND USE

PID:  
 07-32-16-  
 51660-  
 000-0013  
 AC ZONING /  
 AC LAND USE

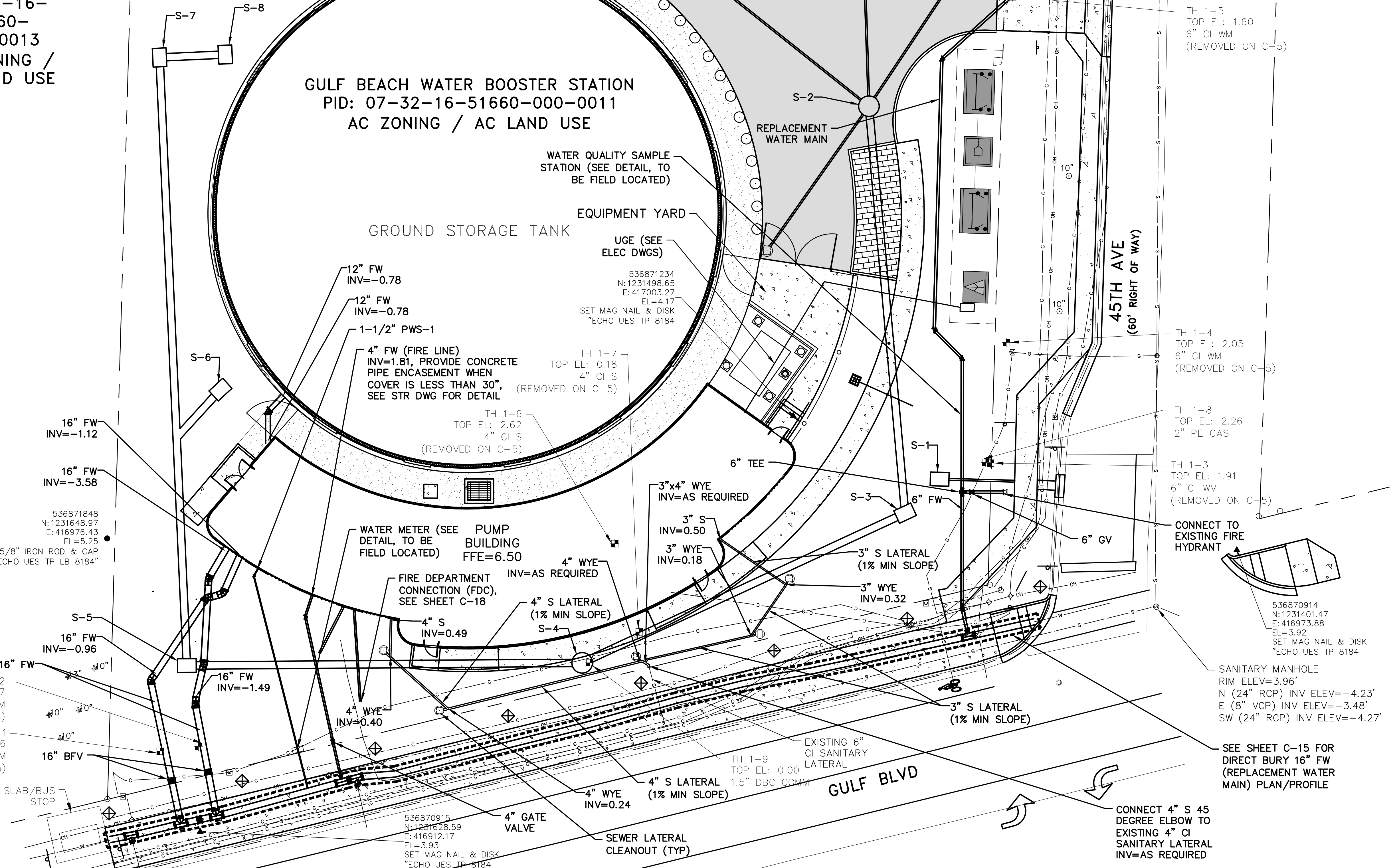
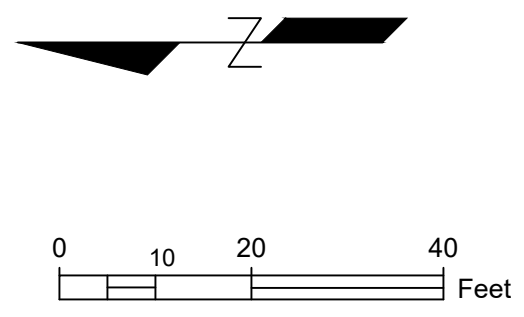
GULF BEACH WATER BOOSTER STATION  
 PID: 07-32-16-51660-000-0011  
 AC ZONING / AC LAND USE

J:\ENGIN\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CIV\002150A-PIP.dwg, Feb 06, 2025 - 7:25am

536871849  
 N: 1231669.74  
 E: 417113.65  
 EL=4.47  
 SET MAG NAIL & DISK  
 "ECHO UES TP 8184"

CONNECT TO  
 EXISTING WATER  
 MAIN

536870912  
 N: 1231405.01  
 E: 417102.06  
 EL=3.39  
 SET 5/8" IRON ROD & CAP  
 "ECHO UES TP LB 8184"



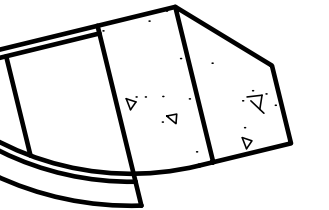
536871848  
 N: 1231648.97  
 E: 416976.43  
 EL=5.25  
 SET 5/8" IRON ROD & CAP  
 "ECHO UES TP LB 8184"

TH 1-4  
 TOP EL: 2.05  
 6" CI WM  
 (REMOVED ON C-5)

TH 1-8  
 TOP EL: 2.26  
 2" PE GAS

TH 1-3  
 TOP EL: 1.91  
 6" CI WM  
 (REMOVED ON C-5)

CONNECT TO  
 EXISTING FIRE  
 HYDRANT



536870914  
 N: 1231401.47  
 E: 416973.88  
 EL=3.92  
 SET MAG NAIL & DISK  
 "ECHO UES TP 8184"

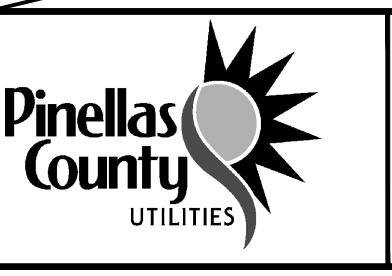
SANITARY MANHOLE  
 RIM ELEV=3.96'  
 N (24" RCP) INV ELEV=-4.23'  
 E (8" VCP) INV ELEV=-3.48'  
 SW (24" RCP) INV ELEV=-4.27'

SEE SHEET C-15 FOR  
 DIRECT BURY 16" FW  
 (REPLACEMENT WATER  
 MAIN) PLAN/PROFILE

CONNECT 4" S 45  
 DEGREE ELBOW TO  
 EXISTING 4" CI  
 SANITARY LATERAL  
 INV=AS REQUIRED

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED C. BAGGETT  
 DRAWN D. METZ  
 CHECKED P. QUERN



PROJECT:  
 PINELLAS COUNTY, FLORIDA  
 GULF BEACH WATER BOOSTER  
 STATION IMPROVEMENTS

DESCRIPTION:  
 SITE PIPING PLAN

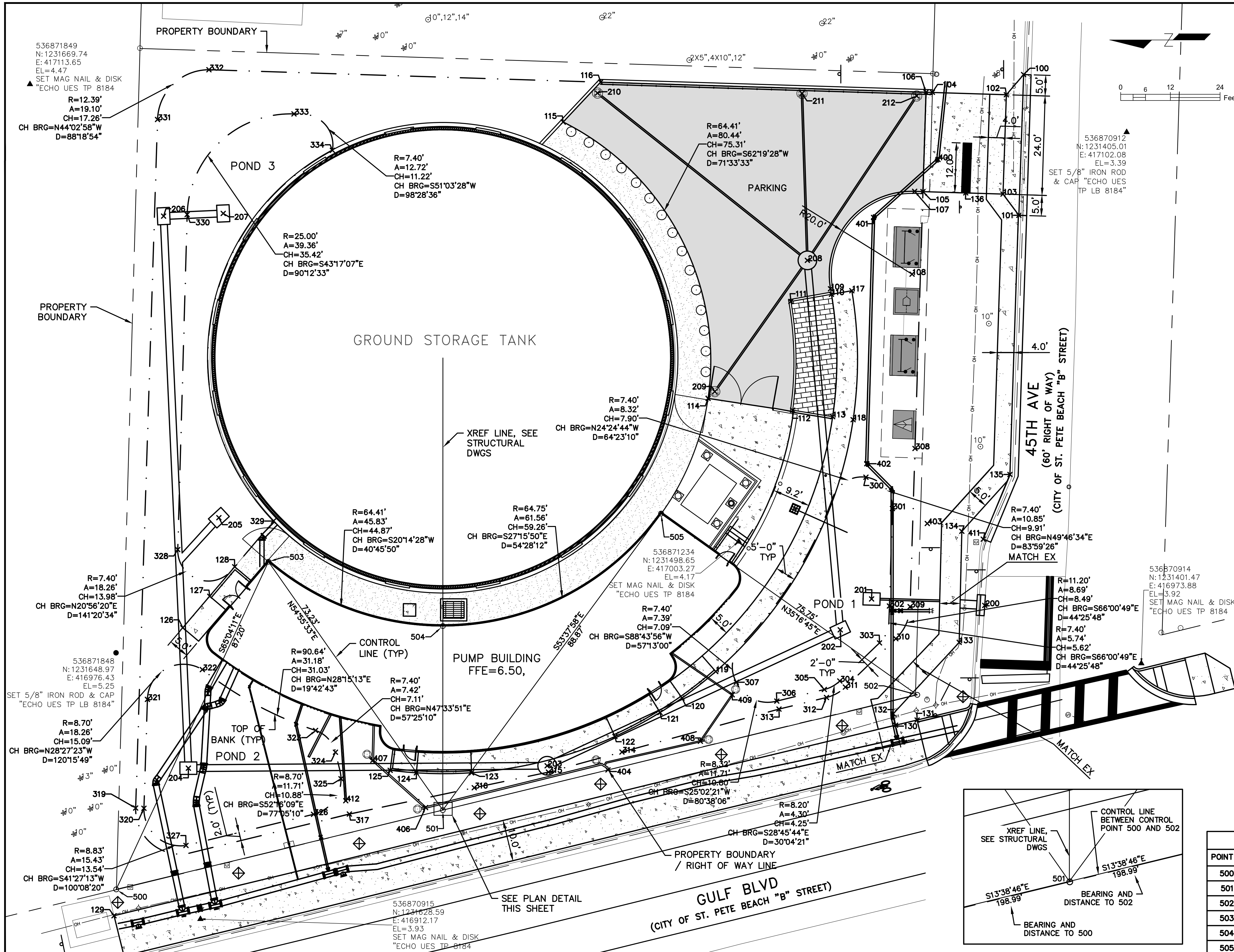
**WRIGHT-PIERCE**  
 800.422.1095 | www.wright-pierce.com  
 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624  
 CERTIFICATE OF AUTHORIZATION#: 91267540

PRINTED COPIES OF THIS DOCUMENT ARE NOT  
 CONSIDERED SIGNED AND SEALED AND THE  
 SIGNATURE MUST BE VERIFIED ON ANY  
 ELECTRONIC COPIES.

DATE: 02-2025  
 PROJECT NO. 002150A  
 SHEET: C-8

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

J:\ENR\FL\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CTV\F002150A-CNTRL.dwg, Jan 31, 2025 - 7:20am



PAVEMENT CONTROL POINTS			POND CONTROL POINTS		
POINT #	NORTHING	EASTING	POINT #	NORTHING	EASTING
100	1231429.8834	417115.9797	300	1231467.9448	417018.8123
101	1231431.0273	417082.0217	301	1231461.5502	417011.2517
102	1231434.0497	417111.1107	302	1231462.2777	416987.7297
103	1231434.8573	417087.1357	303	1231464.6697	416978.8237
104	1231451.8975	417111.7109	304	1231474.2606	416969.6268
105	1231454.1824	417087.7339	305	1231477.9904	416967.5796
106	1231453.4408	417111.7109	306	1231489.4632	416964.7765
107	1231456.1919	417087.7961	307	1231499.2196	416969.3341
108	1231456.8107	417087.8057	308	1231456.0996	417025.7452
109	1231476.4970	417084.2771	309	1231457.2801	416987.5752
110	1231476.2688	417062.9503	310	1231460.7229	416979.8375
111	1231486.0631	417061.2270	311	1231472.9093	416968.1517
112	1231485.6403	417034.9931	312	1231477.4714	416965.6475
113	1231475.9856	417033.4178	313	1231488.9343	416962.8477
114	1231506.0497	417037.8311	314	1231526.8348	416952.4890
115	1231541.0301	417104.5277	315	1231544.5818	416947.6386
116	1231531.9967	417114.1425	316	1231562.4867	416943.8675
117	1231471.3527	417063.8202	317	1231592.6425	416937.5162
118	1231471.0350	417032.6893	319	1231644.2261	416938.9713
119	1231504.1963	416971.9216	320	1231642.2271	416938.9079
120	1231512.3407	416965.5222	321	1231641.3928	416965.1879
121	1231517.6465	416962.0277	322	1231628.1270	416972.3775
122	1231528.5375	416956.2337	323	1231600.7943	416957.6889
123	1231563.1496	416947.4579	324	1231595.9970	416952.4419
124	1231576.4657	416947.4579	325	1231594.6591	416946.0368
125	1231582.7890	416948.0717	326	1231601.2938	416937.4619
126	1231632.8453	416982.4751	327	1231632.0775	416929.9428
127	1231626.3502	416990.0787	328	1231634.0692	417001.3526
128	1231620.3162	416997.1992	329	1231610.9732	417008.2287
129	1231649.4465	416912.9800	330	1231631.7963	417082.2036
130	1231480.7882	416958.9647	331	1231638.9504	417105.1433
131	1231455.5859	416960.2110	332	1231626.5431	417117.1457
132	1231461.3617	416961.7234	333	1231606.0125	417106.4885
133	1231445.4339	416978.9443	334	1231596.7365	417097.6988
134	1231444.7974	417005.7546			
135	1231433.1839	417019.4694			
136	1231443.8526	417087.4278			

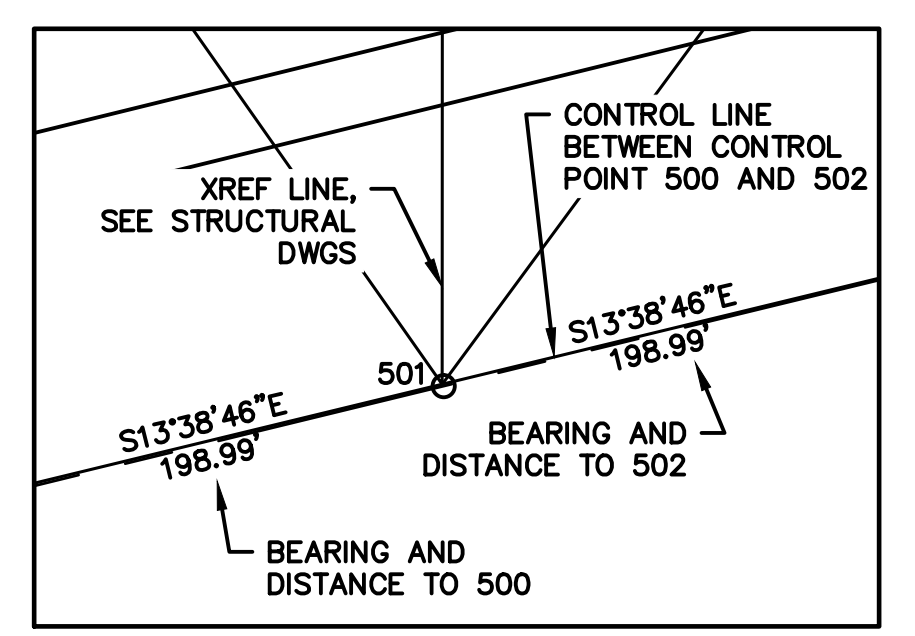
  

UTILITY CONTROL POINTS		
POINT #	NORTHING	EASTING
400	1231450.5602	417095.4929
401	1231466.1101	417081.4983
402	1231467.7516	417022.0710
403	1231453.1404	417007.6357
404	1231530.2208	416948.1789
406	1231574.2342	416939.0834
407	1231586.9727	416950.4951
408	1231507.9102	416955.0842
409	1231500.2141	416966.3074
411	1231439.6257	417003.8598
412	1231593.5146	416940.7416

DRAINAGE CONTROL POINTS		
POINT #	NORTHING	EASTING
200	1231439.2637	416987.8691
201	1231466.5812	416989.4319
202	1231474.1497	416981.9792
203	1231544.8969	416949.1721
204	1231631.5018	416948.5911
205	1231624.1397	417009.0438
206	1231637.4843	417081.8203
207	1231623.0888	417082.4668
208	1231482.0783	417071.1439
209	1231504.4252	417039.4726
210	1231532.7508	417111.5152
211	1231483.3745	417111.4321
212	1231455.6953	417110.8185

STRUCTURAL CONTROL POINTS			
POINT #	NORTHING	EASTING	DESCRIPTION
500	1231648.9253	416919.3330	IRON ROD & CAP "HARNER BL 2650"
501	1231570.0903	416938.4724	XREF POINT, SEE STRUCTURAL DWGS
502	1231455.5553	416966.2790	IRON ROD & CAP NO ID
503	1231612.1736	416998.4071	STRUCTURAL WALL CORNER
504	1231570.0791	416982.8850	XREF POINT ON STRUCTURAL WALL, SEE STRUCTURAL DWGS
505	1231517.3985	417010.0335	STRUCTURAL WALL CORNER



REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED: M. HOFFMAN  
 DRAWN: D. METZ  
 CHECKED: W. NICKEL

PROJECT: PINELLAS COUNTY, FLORIDA  
 GULF BEACH WATER BOOSTER STATION IMPROVEMENTS

DESCRIPTION: GEOMETRIC CONTROL PLAN

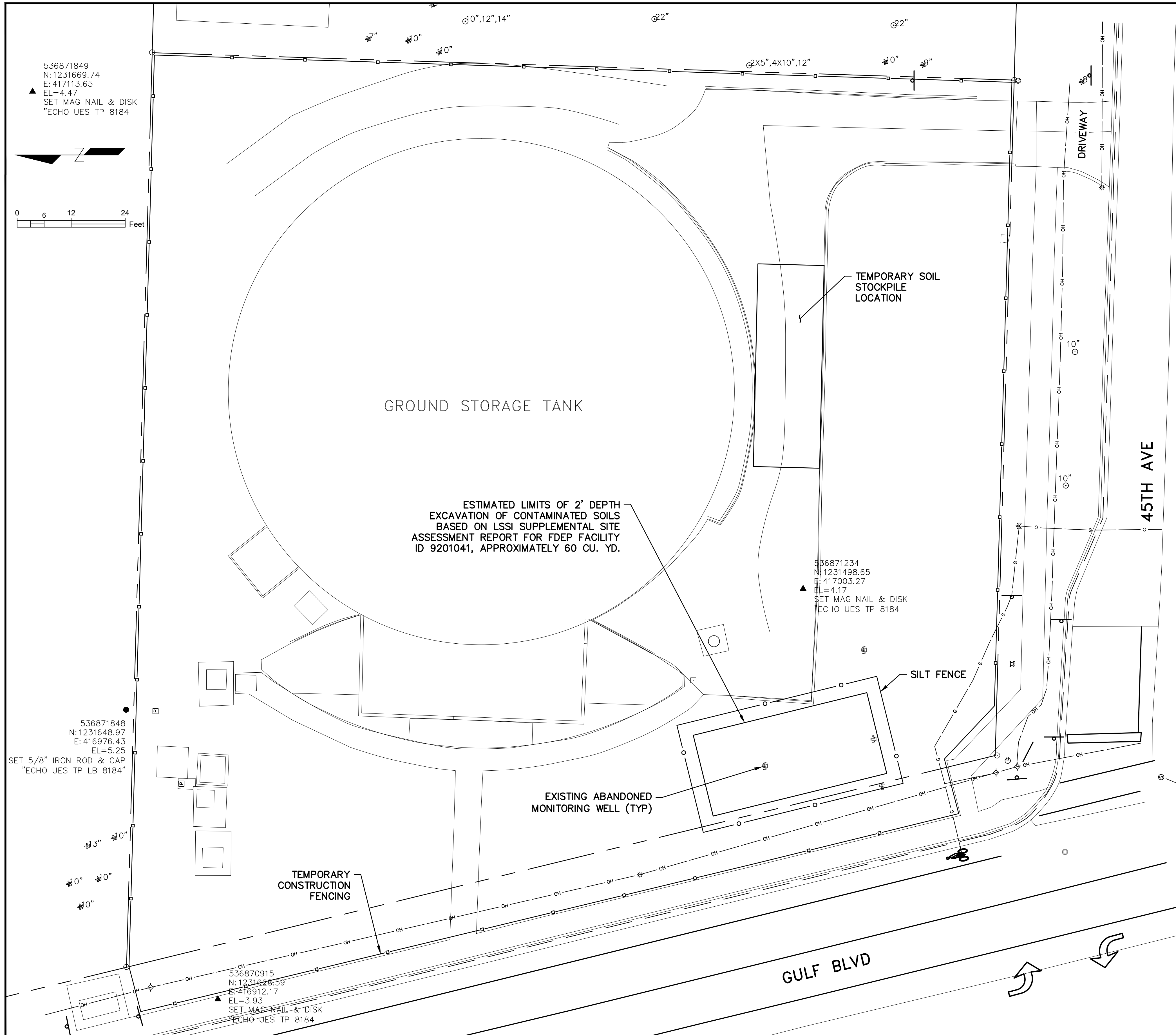
800.422.1095 | www.wright-pierce.com  
 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624  
 CERTIFICATE OF AUTHORIZATION#: 91267540

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

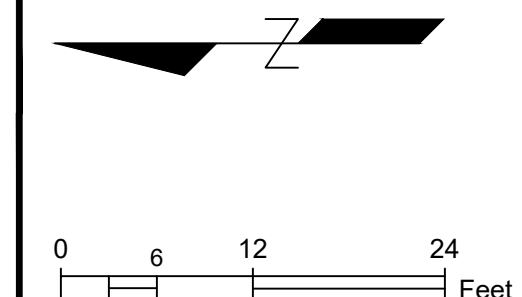
DATE: 01-2025  
 PROJECT NO.: 002150A  
 SHEET: C-9

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

J:\ENR\FL\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CTV\002150A-ENV.dwg, Jan 31, 2025 - 7:20am



536871849  
N: 1231669.74  
E: 417113.65  
EL=4.47  
SET MAG NAIL & DISK  
"ECHO UES TP 8184"



536871848  
N: 1231648.97  
E: 416976.43  
EL=5.25  
SET 5/8" IRON ROD & CAP  
"ECHO UES TP LB 8184"

536870915  
N: 1231628.59  
E: 416912.17  
EL=3.93  
SET MAG NAIL & DISK  
"ECHO UES TP 8184"

536871234  
N: 1231498.65  
E: 417003.27  
EL=4.17  
SET MAG NAIL & DISK  
"ECHO UES TP 8184"

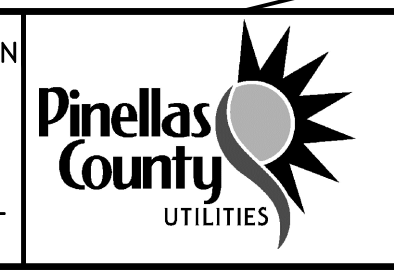
INTERIM SOURCE REMOVAL NOTES:

1. CONTRACTOR SHALL PROVIDE TO FDEP A WRITTEN NOTIFICATION IN ACCORDANCE WITH THE TIME FRAMES IN TABLE A, THAT INCLUDES A DESCRIPTION OF THE TYPE OF CONTAMINATION, ESTIMATED VOLUME OF SOIL OR SEDIMENT TO BE REMOVED, AND PROPOSED DISPOSAL METHODS TO BE UTILIZED.
2. CONTAMINATION SHALL NOT BE SPREAD INTO PREVIOUSLY UNCONTAMINATED AREAS OR LESS CONTAMINATED AREAS THROUGH UNTREATED DISCHARGES, IMPROPER TREATMENT, IMPROPER DISPOSAL, OR IMPROPER STORAGE.
3. FLAMMABLE PRODUCTS SHALL BE HANDLED IN A SAFE MANNER.
4. WHEN A SOIL VACUUM EXTRACTION SYSTEM IS NECESSARY TO ABATE AN IMMINENT THREAT TO HUMAN LIFE, HEALTH, OR SAFETY WITHIN A STRUCTURE OR UTILITY CONDUIT, THEN THE VACUUM EXTRACTION SYSTEM SHALL BE DESIGNED AND OPERATED BY THE CONTRACTOR ONLY TO ABATE THE IMMINENT THREAT. THE DEPARTMENT SHALL BE NOTIFIED BY THE CONTRACTOR, WITHIN 24 HOURS, OF THE IMMINENT THREAT AND THE INTENT TO USE A SOIL VACUUM EXTRACTION SYSTEM. THE AIR EMISSIONS MONITORING AND FREQUENCY OF MONITORING SHALL BE PERFORMED BY THE CONTRACTOR PURSUANT TO PARAGRAPHS 62-780.700(4)(A) AND (1)(I), F.A.C
5. CONFIRMATORY SOIL OR SEDIMENT SAMPLES SHALL BE COLLECTED BY THE CONTRACTOR AT THE BOTTOM OF THE EXCAVATION AND WALLS OR PERIMETER OF THE EXCAVATION. THESE SAMPLES SHALL BE TESTED WITH FDEP APPROVED METHODOLOGY TO DETERMINE THE CLEAN POINTS OF THE EXCAVATION.
6. CONTRACTOR SHALL PERFORM TESTING OF THE CONTAMINATED SOIL TO DETERMINE IF THE SOIL OR SEDIMENT CONTAINS HAZARDOUS WASTE AS LISTED IN 40 C.F.R. PART 261 SUBPART D (7-1-12 EDITION)
7. CONTRACTOR SHALL PERFORM TESTING OF THE CONTAMINATED SOIL USING USEPA TEST METHOD 1311, TOXICITY CHARACTERISTIC LEACHING PROCEDURE (TCLP) AND SUBSEQUENT ANALYZING OF THE LEACHATE ON A SUFFICIENT NUMBER OF SAMPLES TO DETERMINE WHETHER OR NOT THE CONTAMINATED SOIL OR SEDIMENT EXCEEDS MAXIMUM CONCENTRATIONS FOR THE TOXICITY CHARACTERISTICS OF THE CONSTITUENTS IDENTIFIED IN 40 C.F.R. 261.24 (7-1-12 EDITION).
  - 7.1 PURSUANT TO 40 C.F.R. 261.4(B)(10), SUBPART A (7-1-12 EDITION), PETROLEUM CONTAMINATED MEDIA AND DEBRIS, ASSOCIATED WITH AN UNDERGROUND STORAGE TANK SYSTEM, THAT FAIL THE TEST FOR THE TOXICITY CHARACTERISTIC OF 40 C.F.R. 261.24, SUBPART C (HAZARDOUS WASTE CODES D018 THROUGH D043 ONLY) ARE SOLID WASTE, NOT HAZARDOUS WASTE. CONTAMINATED SOIL ASSOCIATED WITH AN UNDERGROUND STORAGE TANK SYSTEM, WHICH WILL BE MANAGED AS SOLID WASTE, IS NOT SUBJECT TO THE REQUIREMENT THAT TCLP EXTRACTION AND SUBSEQUENT ANALYSIS OF THE LEACHATE BE PERFORMED.
8. WHEN EXCAVATED CONTAMINATED SOIL OR SEDIMENT IS TEMPORARILY STORED OR STOCKPILED ONSITE, THE SOIL OR SEDIMENT SHALL BE PLACED ON AN IMPERMEABLE SURFACE TO PREVENT LEACHATE INFILTRATION AND SECURED IN A MANNER THAT PREVENTS HUMAN EXPOSURE TO CONTAMINATED SOIL OR SEDIMENT AND PREVENTS SOIL OR SEDIMENT EXPOSURE TO PRECIPITATION THAT MAY CAUSE SURFACE RUNOFF. ANY EXCAVATION SHALL BE SECURED TO PREVENT ENTRY BY THE PUBLIC.
9. THE TEMPORARY STORAGE OR STOCKPILING OF EXCAVATED CONTAMINATED SOIL OR SEDIMENT SHALL NOT EXCEED 60 DAYS.
10. CONTRACTOR SHALL DISPOSE OF CONTAMINATED SOIL AT A FDEP APPROVED AND ACCEPTING LANDFILL IN A LEGAL MANNER.
11. PREVIOUS DISCUSSIONS WITH FDEP HAVE INDICATED THAT A GROUNDWATER SAMPLE WILL NOT BE REQUIRED. IF THIS CONDITION CHANGES, A SAMPLE SHALL BE COLLECTED AS FOLLOWS:
  - 11.1 A GROUNDWATER SAMPLE SHALL BE COLLECTED FROM THE VICINITY OF THE EXCAVATION AREA FOLLOWING COMPLETION OF EXCAVATION ACTIVITIES. GROUNDWATER SAMPLE SHALL BE TESTED IN ACCORDANCE WITH FAC 62-780.680(1).
12. WITHIN THE TIME FRAMES SPECIFIED IN TABLE A, THE CONTRACTOR SHALL SUBMIT AN ELECTRONIC OR PAPER COPY OF AN INTERIM SOURCE REMOVAL REPORT TO FDEP AND THE ENGINEER FOR REVIEW.
  - 12.1 IF ANALYTICAL RESULTS OBTAINED AFTER COMPLETION OF THE INTERIM SOURCE REMOVAL, DEMONSTRATE THAT THE NO FURTHER ACTION CRITERIA OF SUBSECTION 62-780.680(1), F.A.C., ARE MET, A SITE ASSESSMENT REPORT PURSUANT TO SUBSECTION 62-780.600(7), F.A.C., MAY BE SUBMITTED IN LIEU OF AN INTERIM SOURCE REMOVAL REPORT.
13. CONTRACTOR SHALL OBTAIN A NO FURTHER ACTION WITHOUT INSTITUTIONAL CONTROLS DECISION FROM FDEP UPON COMPLETION OF THE SOURCE REMOVAL.
14. ABANDONED MONITORING WELLS TO BE CUT TO FINISH GRADE. SEE DRAINAGE AND GRADING PLAN. MONITORING WELLS WERE ABANDONED ON 10/31/2023 BY GROUTING THE WELLS FROM THE BOTTOM OF THE WELL SCREEN, 12 FEET BELOW LAND SURFACE, TO LAND SURFACE.
15. ESTIMATED EXCAVATION LIMITS AND DEPTH PROVIDED FOR REFERENCE ONLY. CONTRACTOR SHALL DETERMINE LIMITS OF SOIL CONTAMINATION ON-SITE, VERTICALLY AND HORIZONTALLY, BASED ON PREVIOUS COLLECTED DATA AND, IF REQUIRED, ADDITIONAL TESTING.

FDEP PROJECT MANAGER: MELISSA BROCK, 850-245-8903, Melissa.Brock@FloridaDEP.gov

TABLE A SUBMITTALS AND TIME FRAMES	
TYPE OF REPORT OR ACTIVITY	ACTION OR SUBMITTAL TIME FRAMES
NOTICE OF INTERIM SOURCE REMOVAL ACTION	WITHIN 24 HOURS OF INITIATION OF THE ACTION
INTERIM SOURCE REMOVAL STATUS REPORT	WITHIN 60 DAYS OF INITIATING INTERIM SOURCE REMOVAL ACTIVITIES AND EVERY 60 DAYS THEREAFTER
INTERIM SOURCE REMOVAL REPORT	WITHIN 60 DAYS OF COMPLETION OF INTERIM SOURCE REMOVAL ACTIVITIES
NO FURTHER ACTION PROPOSAL	WHEN SITE MEETS THE CRITERIA FOR NO FURTHER ACTION PER 62-780.80, FAC

DESIGNED	M. HOFFMAN		
DRAWN	D. METZ		
CHECKED	W. NICKEL		
REV. NO.	DATE	DESCRIPTION	REV. BY



PROJECT:  
PINELLAS COUNTY, FLORIDA  
GULF BEACH WATER BOOSTER  
STATION IMPROVEMENTS

DESCRIPTION:  
INTERIM SOURCE  
REMOVAL PLAN

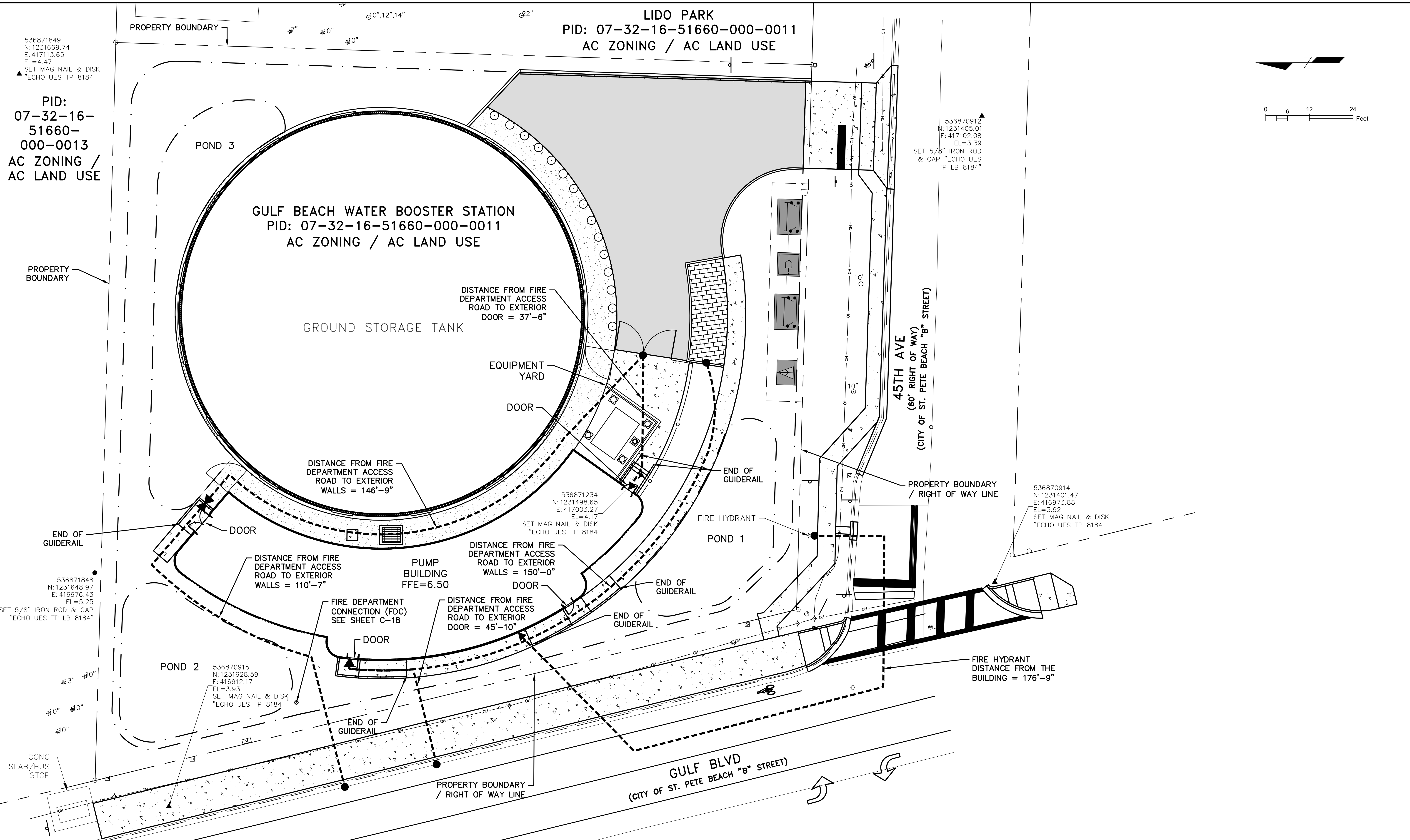


PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

DATE: 01-2025  
PROJECT NO. 002150A  
SHEET: C-10

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C

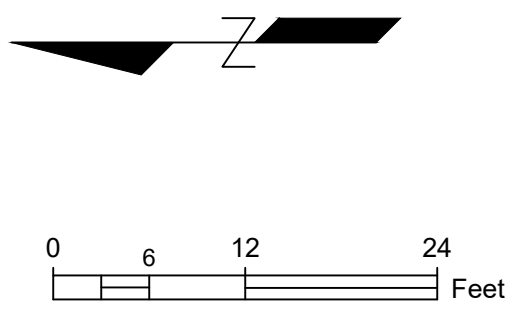
J:\ENGIN\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CTV\F002150A-FIRE.dwg, Jan 31, 2025 - 7:21am



536871849  
 N: 1231669.74  
 E: 417113.65  
 EL=4.47  
 SET MAG NAIL & DISK  
 "ECHO UES TP 8184"

PID:  
 07-32-16-  
 51660-  
 000-0013  
 AC ZONING /  
 AC LAND USE

LIDO PARK  
 PID: 07-32-16-51660-000-0011  
 AC ZONING / AC LAND USE



536870912  
 N: 1231405.01  
 E: 417102.08  
 EL=3.39  
 SET 5/8" IRON ROD  
 & CAP "ECHO UES  
 TP LB 8184"

536870914  
 N: 1231401.47  
 E: 416973.88  
 EL=3.92  
 SET MAG NAIL & DISK  
 "ECHO UES TP 8184"

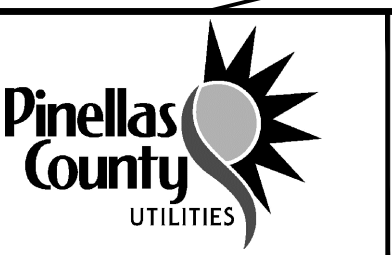
536871848  
 N: 1231648.97  
 E: 416976.43  
 EL=5.25  
 SET 5/8" IRON ROD & CAP  
 "ECHO UES TP LB 8184"

536870915  
 N: 1231628.59  
 E: 416912.17  
 EL=3.93  
 SET MAG NAIL & DISK  
 "ECHO UES TP 8184"

536871234  
 N: 1231498.65  
 E: 417003.27  
 EL=4.17  
 SET MAG NAIL & DISK  
 "ECHO UES TP 8184"

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED M. HOFFMAN  
 DRAWN D. METZ  
 CHECKED W. NICKEL



PROJECT:  
 PINELLAS COUNTY, FLORIDA  
 GULF BEACH WATER BOOSTER  
 STATION IMPROVEMENTS

DESCRIPTION:  
 FIRE PROTECTION PLAN

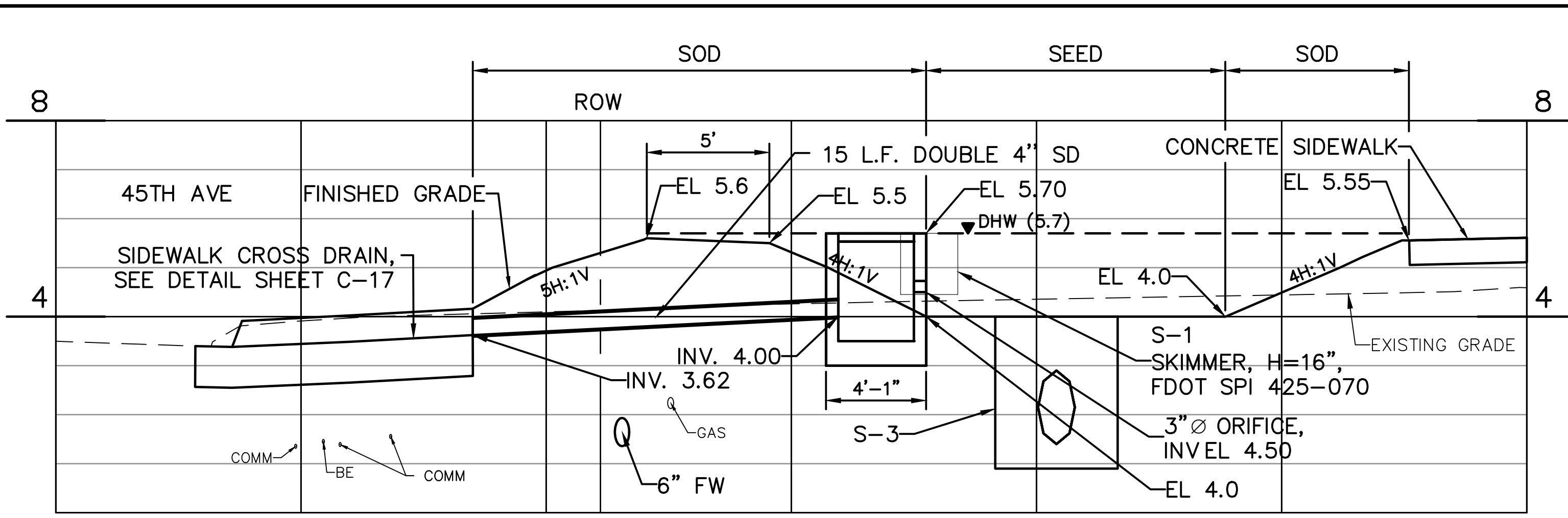
**WRIGHT-PIERCE**  
 800.422.1095 | www.wright-pierce.com  
 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624  
 CERTIFICATE OF AUTHORIZATION#: 91267540

PRINTED COPIES OF THIS DOCUMENT ARE NOT  
 CONSIDERED SIGNED AND SEALED AND THE  
 SIGNATURE MUST BE VERIFIED ON ANY  
 ELECTRONIC COPIES.

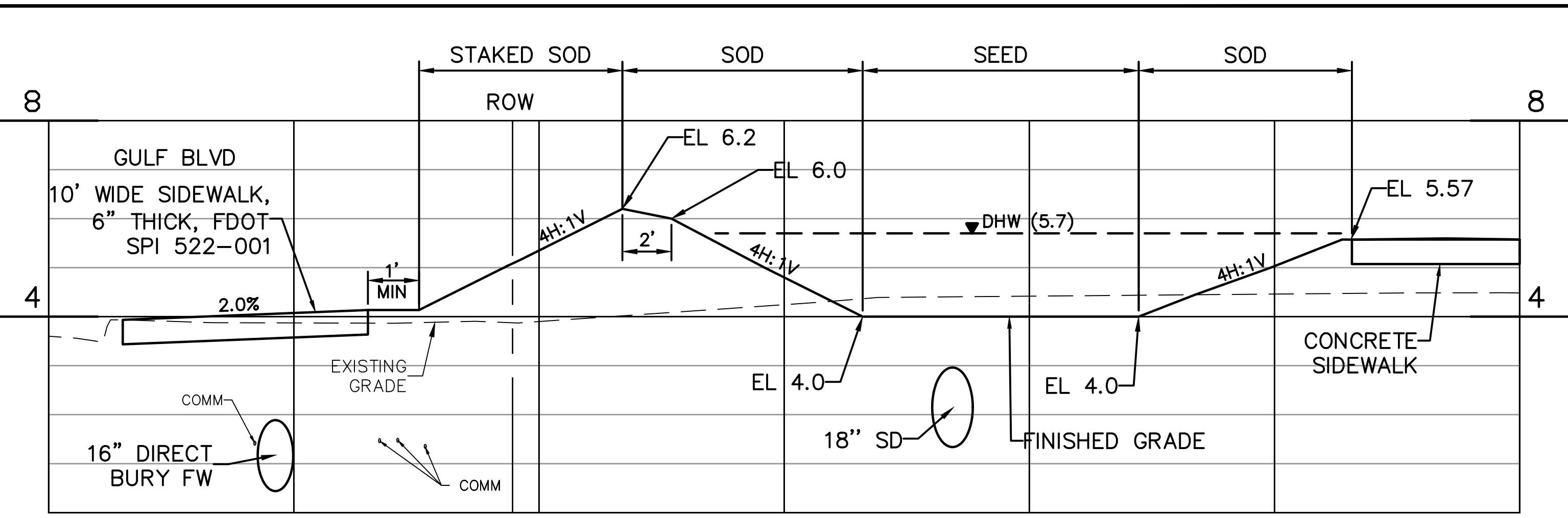
DATE: 01-2025  
 PROJECT NO. 002150A  
 SHEET: C-11

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

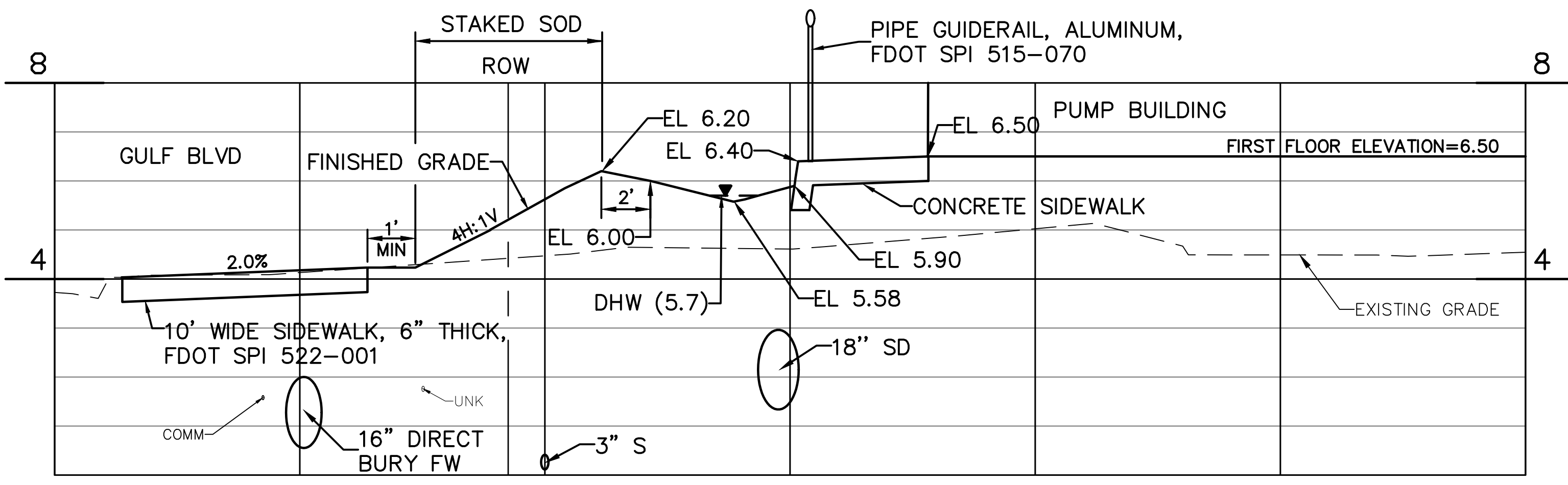
J:\ENR\FL\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CTV\02150A-XS01.dwg, Feb 06, 2025 - 7:26am



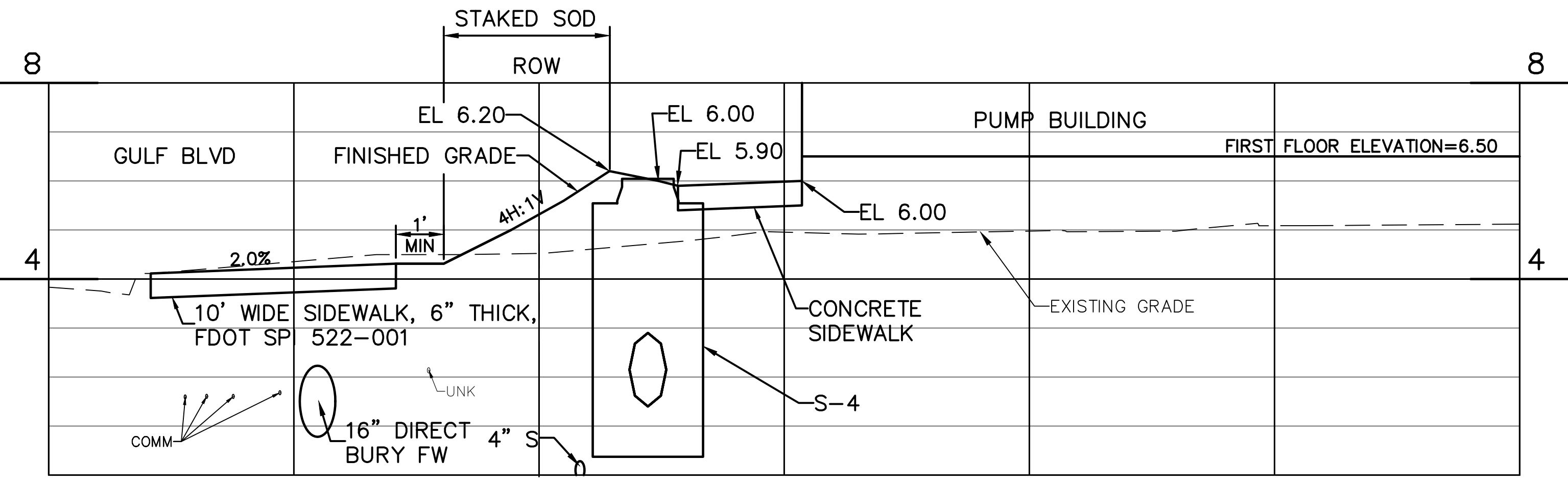
1 SECTION  
C-7 SCALE: HORIZ 1"=4'  
VERT 1"=2'



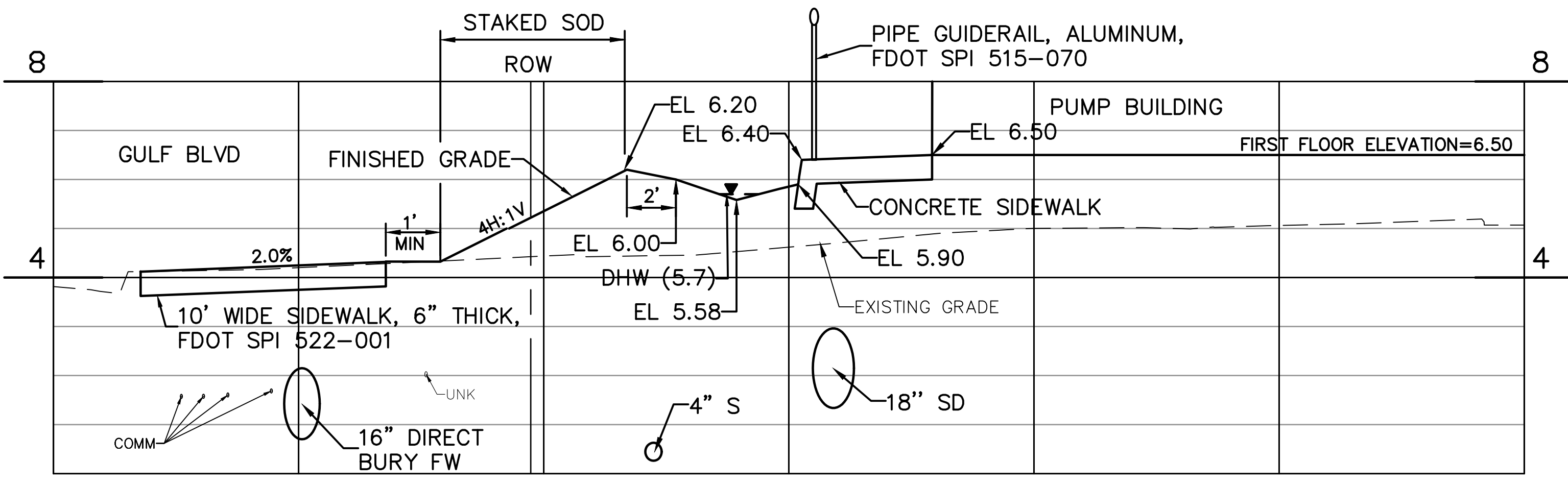
2 SECTION  
C-7 SCALE: HORIZ 1"=4'  
VERT 1"=2'



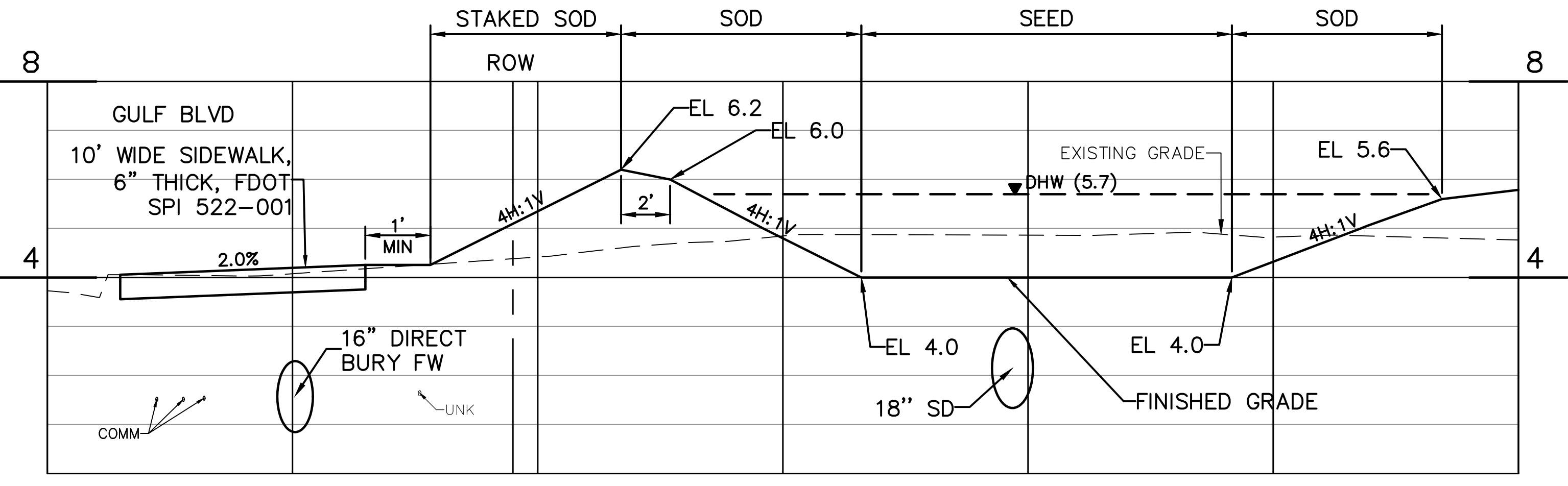
3 SECTION  
C-7 SCALE: HORIZ 1"=4'  
VERT 1"=2'



4 SECTION  
C-7 SCALE: HORIZ 1"=4'  
VERT 1"=2'



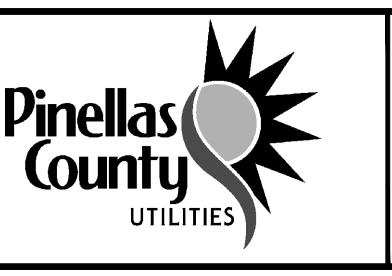
5 SECTION  
C-7 SCALE: HORIZ 1"=4'  
VERT 1"=2'



6 SECTION  
C-7 SCALE: HORIZ 1"=4'  
VERT 1"=2'

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED M. HOFFMAN  
DRAWN D. METZ  
CHECKED W. NICKEL



PROJECT:  
PINELLAS COUNTY, FLORIDA  
GULF BEACH WATER BOOSTER  
STATION IMPROVEMENTS

DESCRIPTION:  
CROSS SECTIONS I

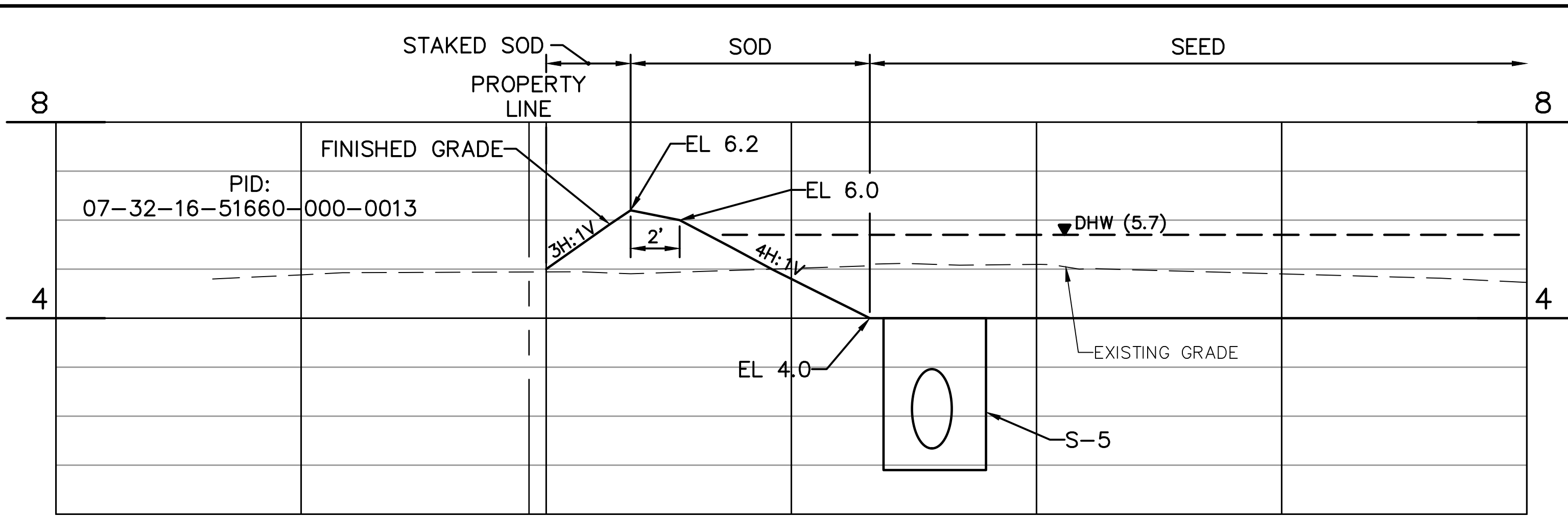


PRINTED COPIES OF THIS DOCUMENT ARE NOT  
CONSIDERED SIGNED AND SEALED AND THE  
SIGNATURE MUST BE VERIFIED ON ANY  
ELECTRONIC COPIES.

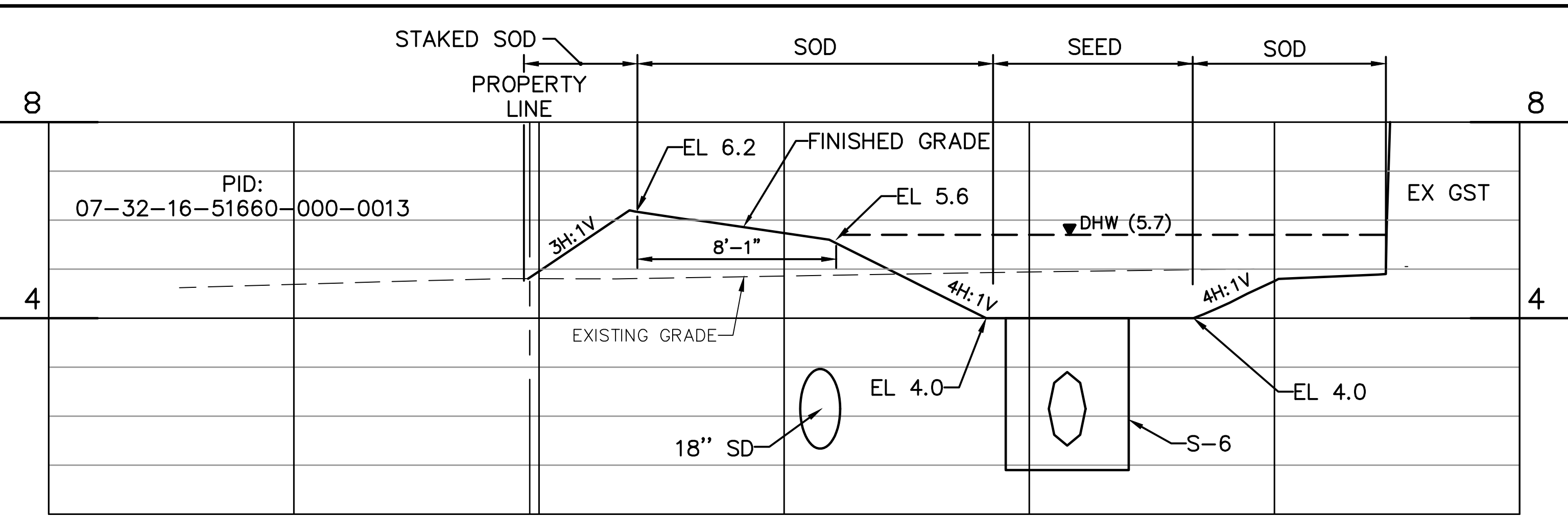
DATE: 02-2025  
PROJECT NO. 002150A  
SHEET: C-12

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

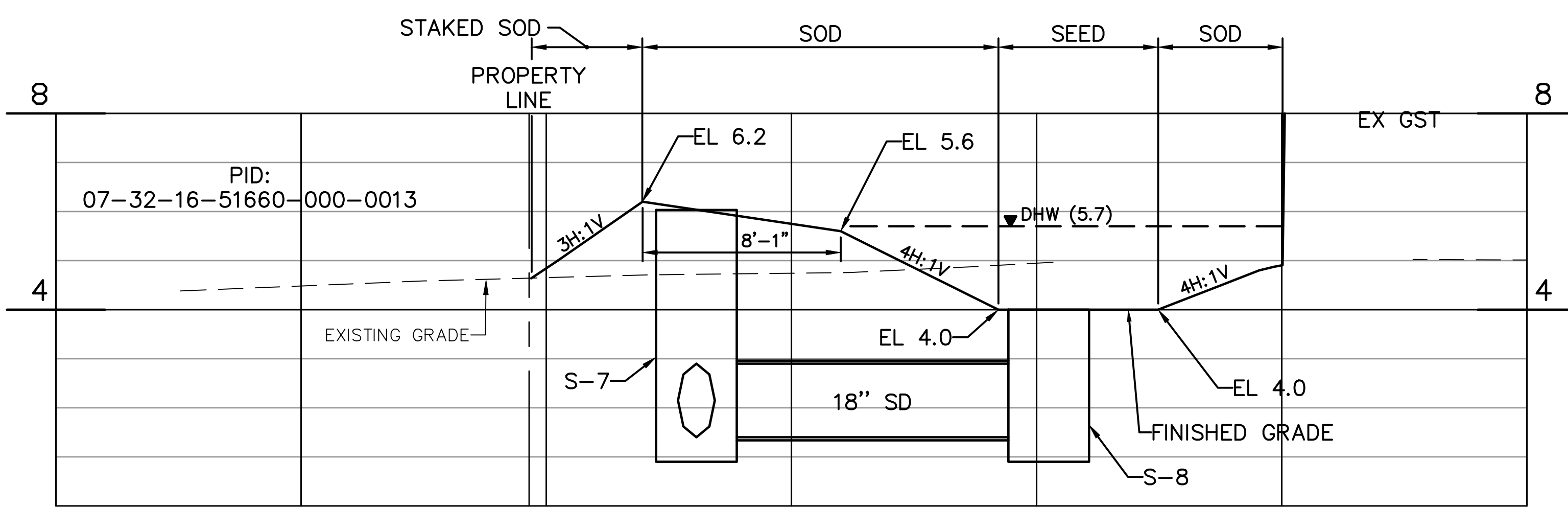
J:\ENGIN\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CTV\002150A-XS02.dwg, Jan 31, 2025 - 7:21am



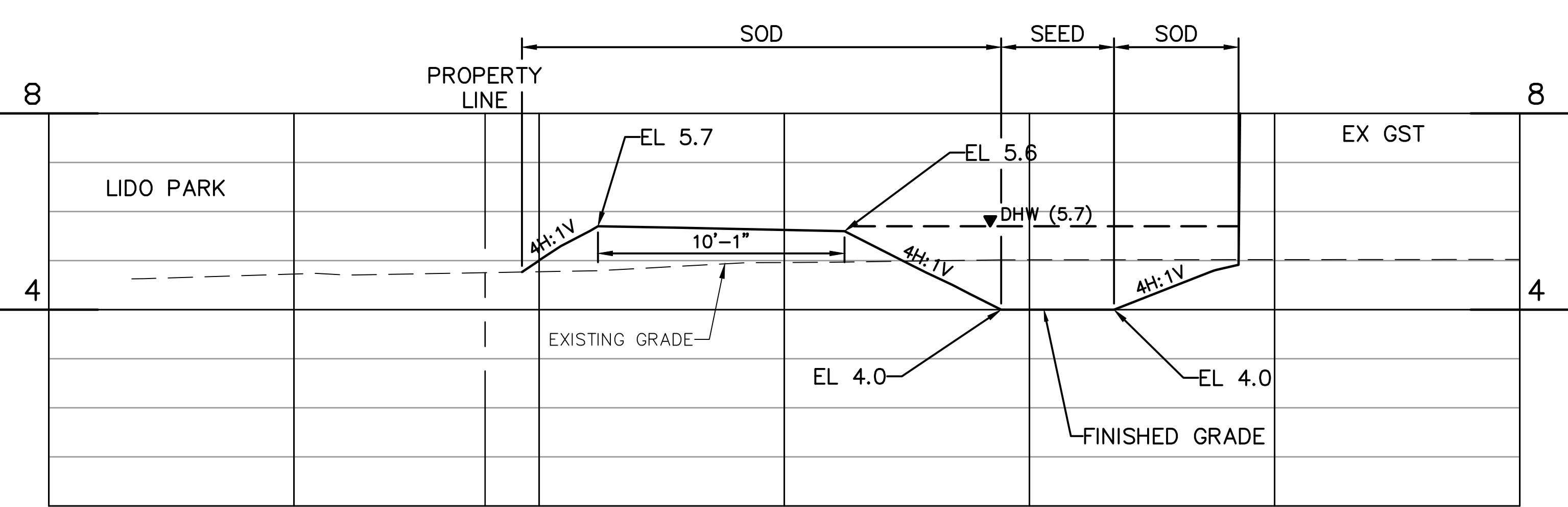
1 SECTION  
C-7 SCALE: HORIZ 1"=4'  
VERT 1"=2'



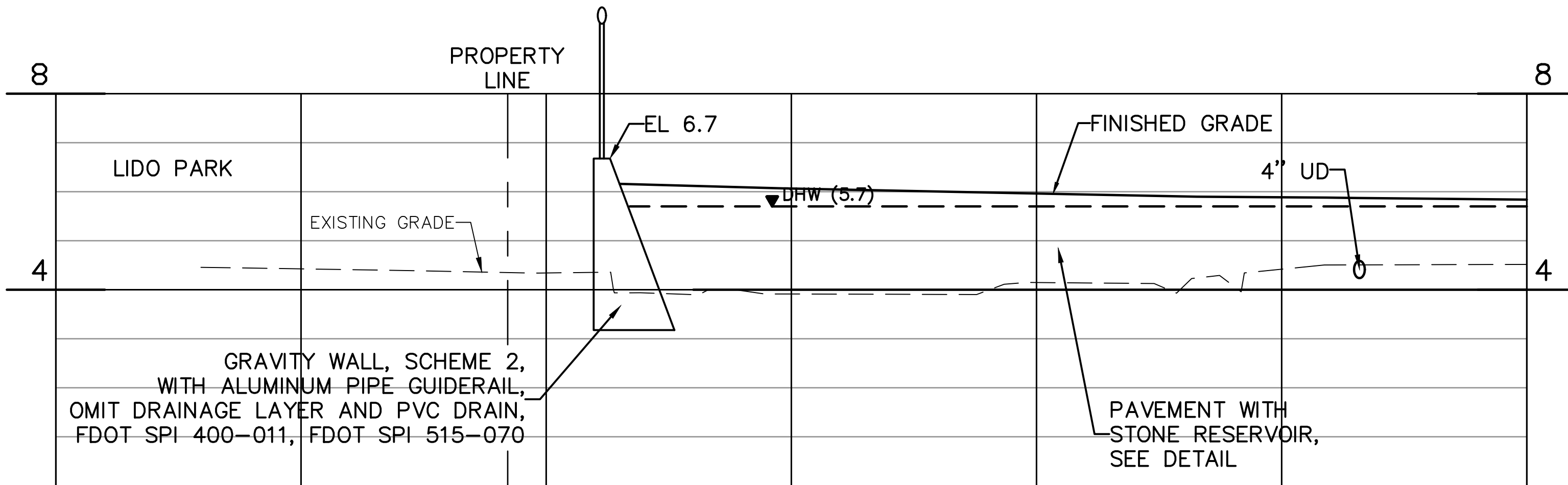
2 SECTION  
C-7 SCALE: HORIZ 1"=4'  
VERT 1"=2'



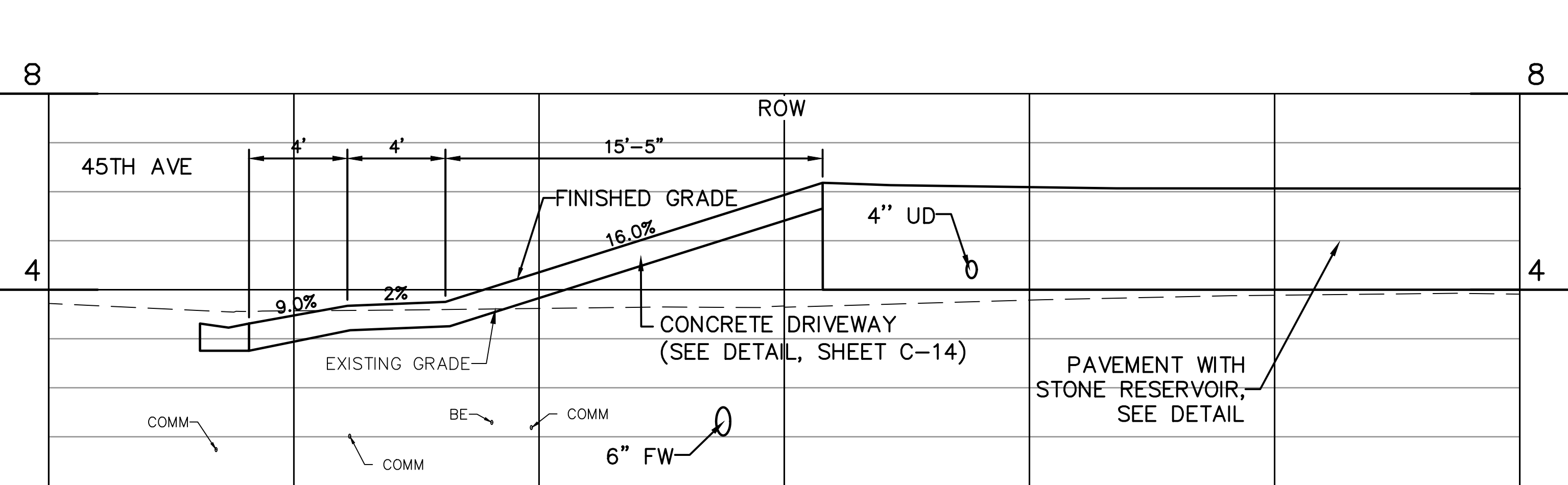
3 SECTION  
C-7 SCALE: HORIZ 1"=4'  
VERT 1"=2'



4 SECTION  
C-7 SCALE: HORIZ 1"=4'  
VERT 1"=2'



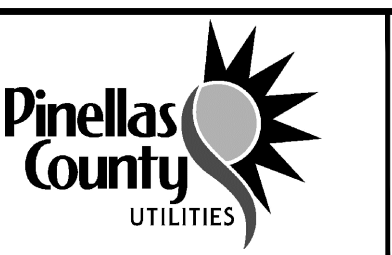
5 SECTION  
C-7 SCALE: HORIZ 1"=4'  
VERT 1"=2'



6 SECTION  
C-7 SCALE: HORIZ 1"=4'  
VERT 1"=2'

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED M. HOFFMAN  
DRAWN D. METZ  
CHECKED W. NICKEL



PROJECT:  
PINELLAS COUNTY, FLORIDA  
GULF BEACH WATER BOOSTER  
STATION IMPROVEMENTS

DESCRIPTION:  
CROSS SECTIONS II

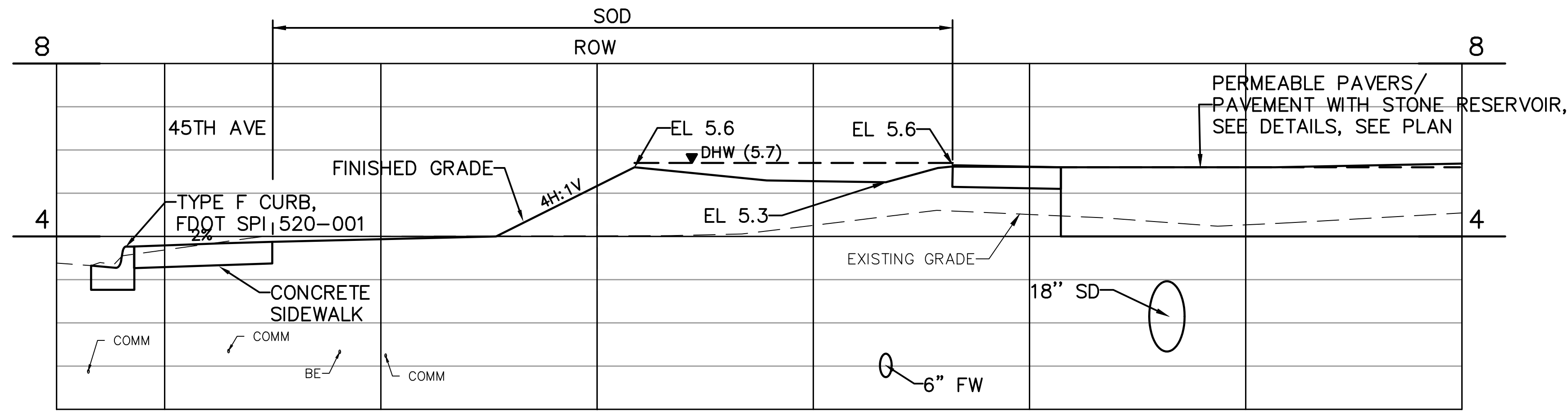


PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

DATE: 01-2025  
PROJECT NO. 002150A  
SHEET: C-13

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

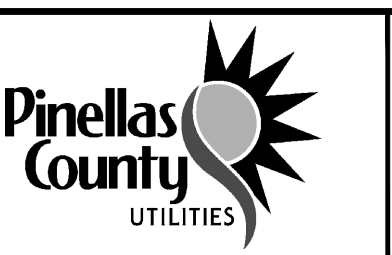
J:\ENG\FL\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CIV\0021504-XS03.dwg, Jan 31, 2025 - 7:22am



1 SECTION  
C-7 SCALE: HORIZ 1"=4'  
VERT 1"=2'

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED M. HOFFMAN  
DRAWN D. METZ  
CHECKED W. NICKEL



PROJECT:  
PINELLAS COUNTY, FLORIDA  
GULF BEACH WATER BOOSTER  
STATION IMPROVEMENTS

DESCRIPTION:  
CROSS SECTIONS III

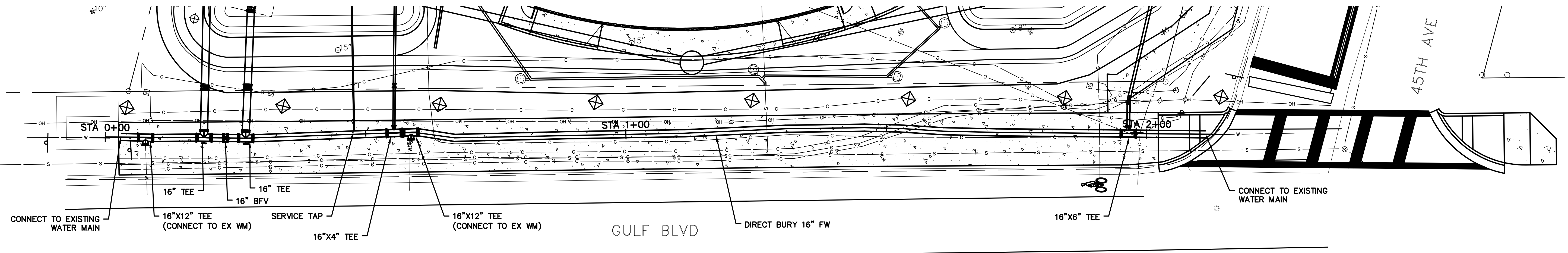


PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

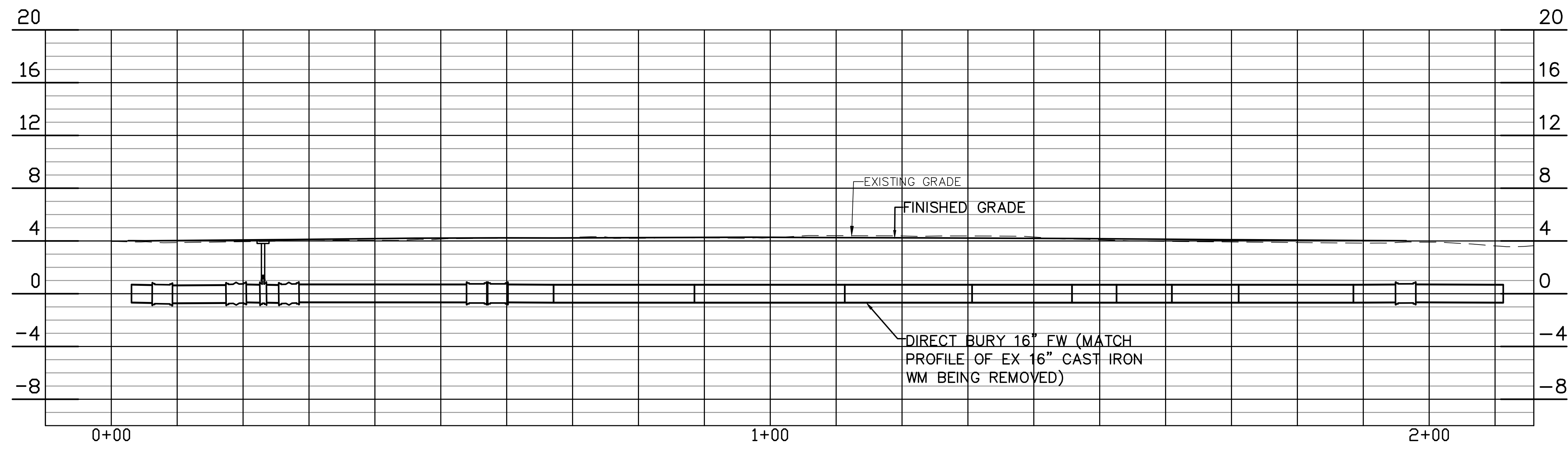
DATE: 01-2025  
PROJECT NO. 002150A  
SHEET: C-14

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

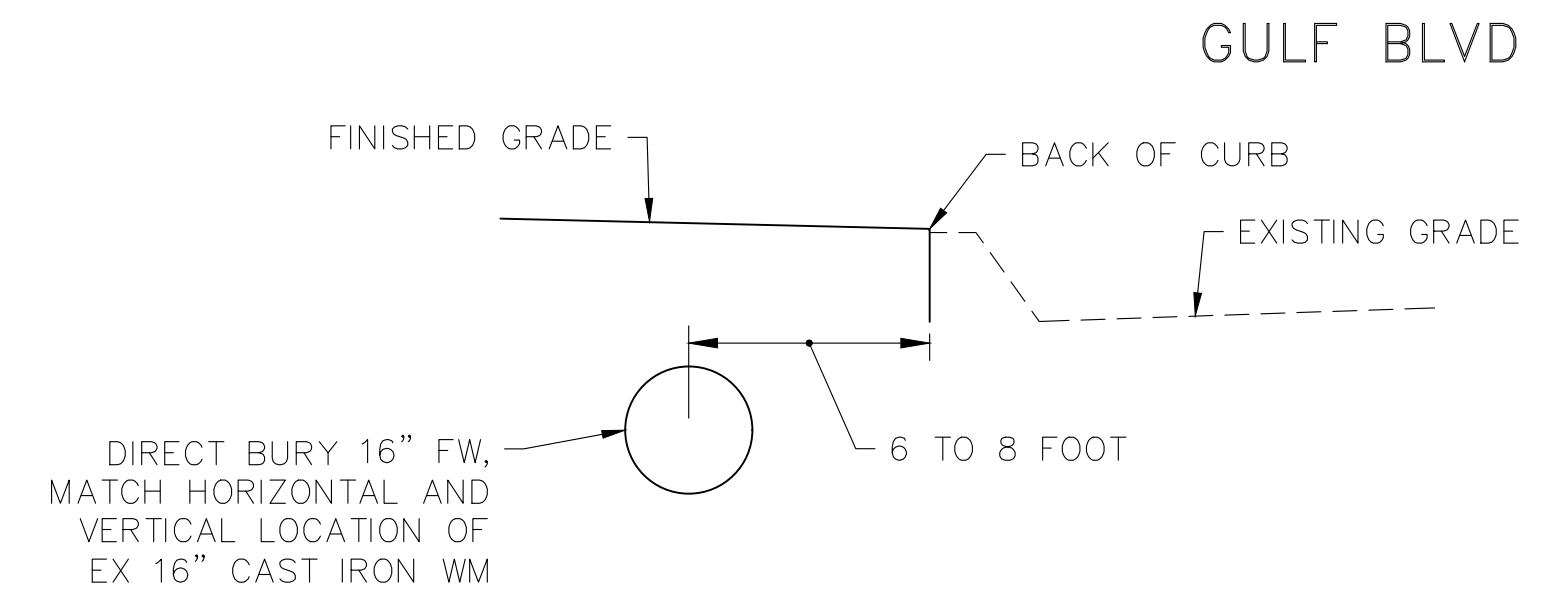
J:\ENGIN\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CIV\0021504-PLPR.dwg, Feb 06, 2025 - 7:27am



**PLAN**  
SCALE: 1"=10'



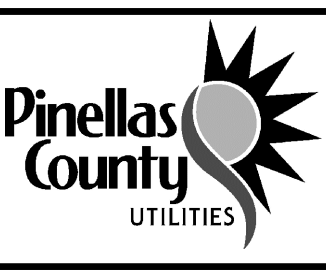
**PROFILE**  
SCALE: HORIZ 1"=10'  
VERT 1"=2'



**TYPICAL WATER MAIN CROSS SECTION**  
NTS

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED **M. HOFFMAN**  
DRAWN **D. METZ**  
CHECKED **C. BAGGETT**



PROJECT:  
**PINELLAS COUNTY, FLORIDA  
GULF BEACH WATER BOOSTER  
STATION IMPROVEMENTS**

DESCRIPTION:  
**GULF BOULEVARD WATER MAIN  
PLAN AND PROFILE**



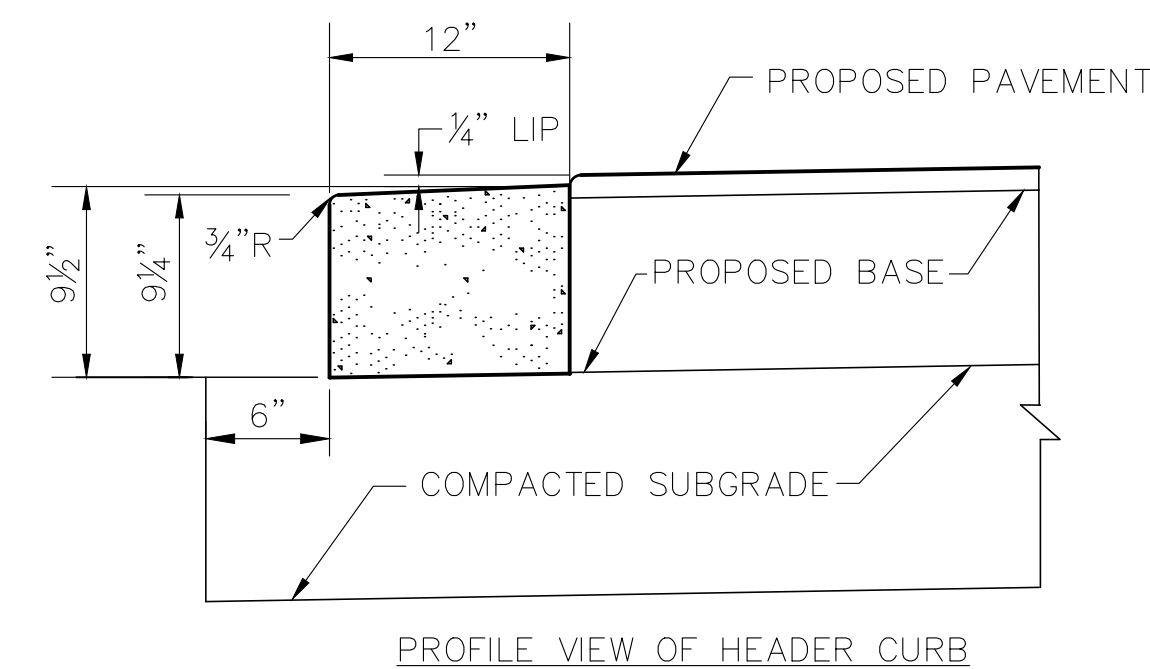
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

DATE: 02-2025  
PROJECT NO. 002150A  
SHEET: C-15

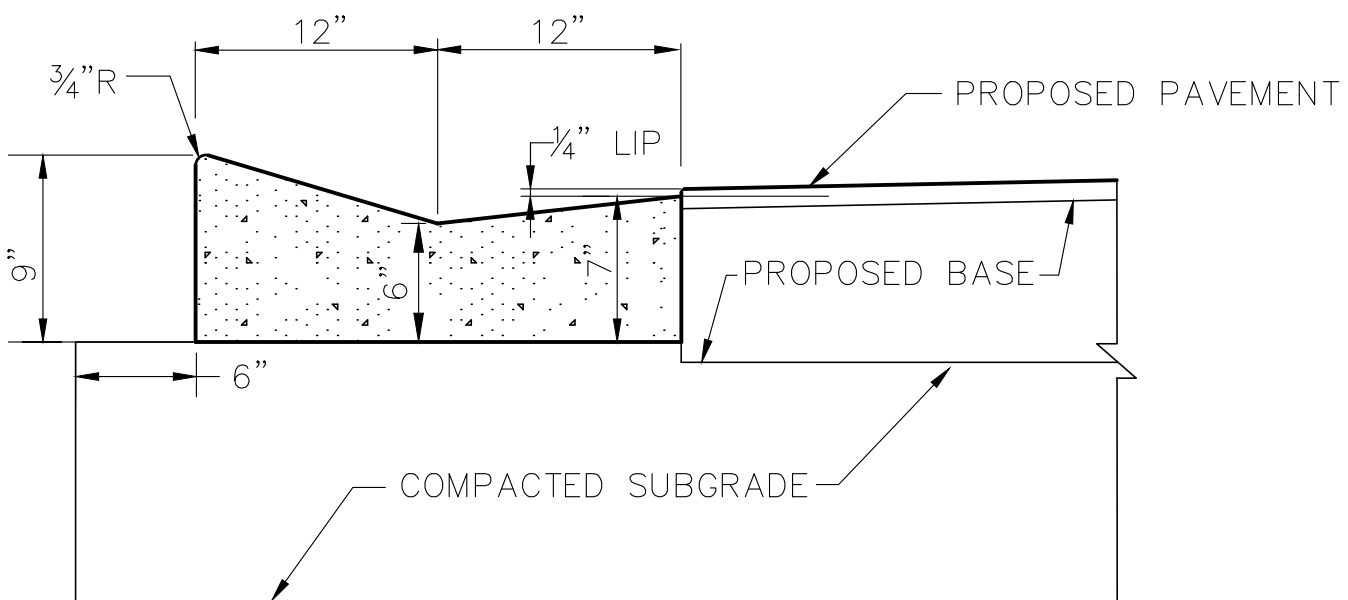
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

**NOTES:**

- 1/2" EXPANSION JOINT EVERY 500', BETWEEN CURB SECTIONS, AT RADII, END OF POUR AND STRUCTURES. (CONTRACTION JOINTS EVERY 10', LONGITUDINALLY. SEE SECTION 520 OF THE F.D.O.T. STANDARD SPECIFICATIONS.)
- IF CURB IS BUILT IN CROSSWALK, DO NOT CONSTRUCT THE LIP PER FDOT STANDARD PLANS INDEX 522-002, PAVEMENT RELIEF DETAILS



PROFILE VIEW OF HEADER CURB

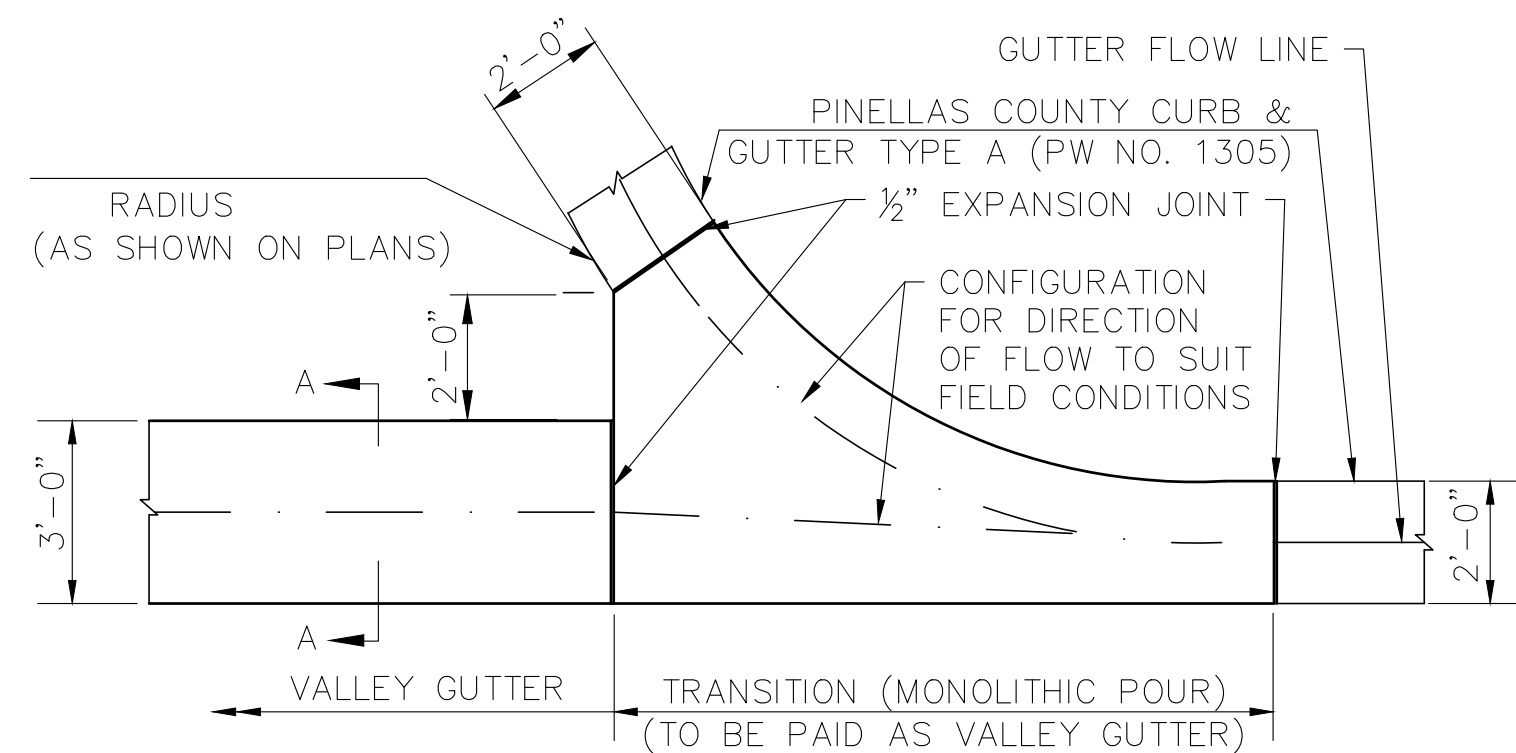


PROFILE VIEW OF TYPE A CURB & GUTTER

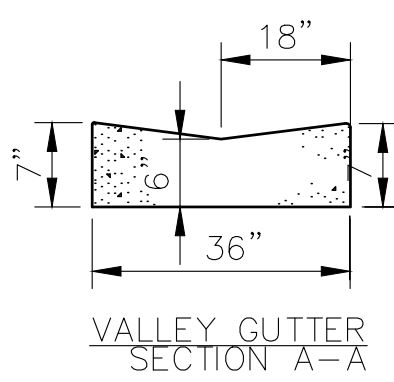
**CURB AND GUTTER TYPE A AND HEADER CURB**  
NTS

**NOTES:**

1. SURFACE OF PAVEMENT SHALL BE 1/4" ABOVE LIP OF GUTTER.
- INSTALL 1/2" EXPANSION JOINT AS SHOWN AND AT CENTERLINE OF SIDE STREET, WITH (SAWCUT) CONTRACTION JOINTS EVERY 10', LONGITUDINALLY. (SEE SECTION 520 OF THE F.D.O.T. STANDARD SPECIFICATIONS.)



PLAN VIEW



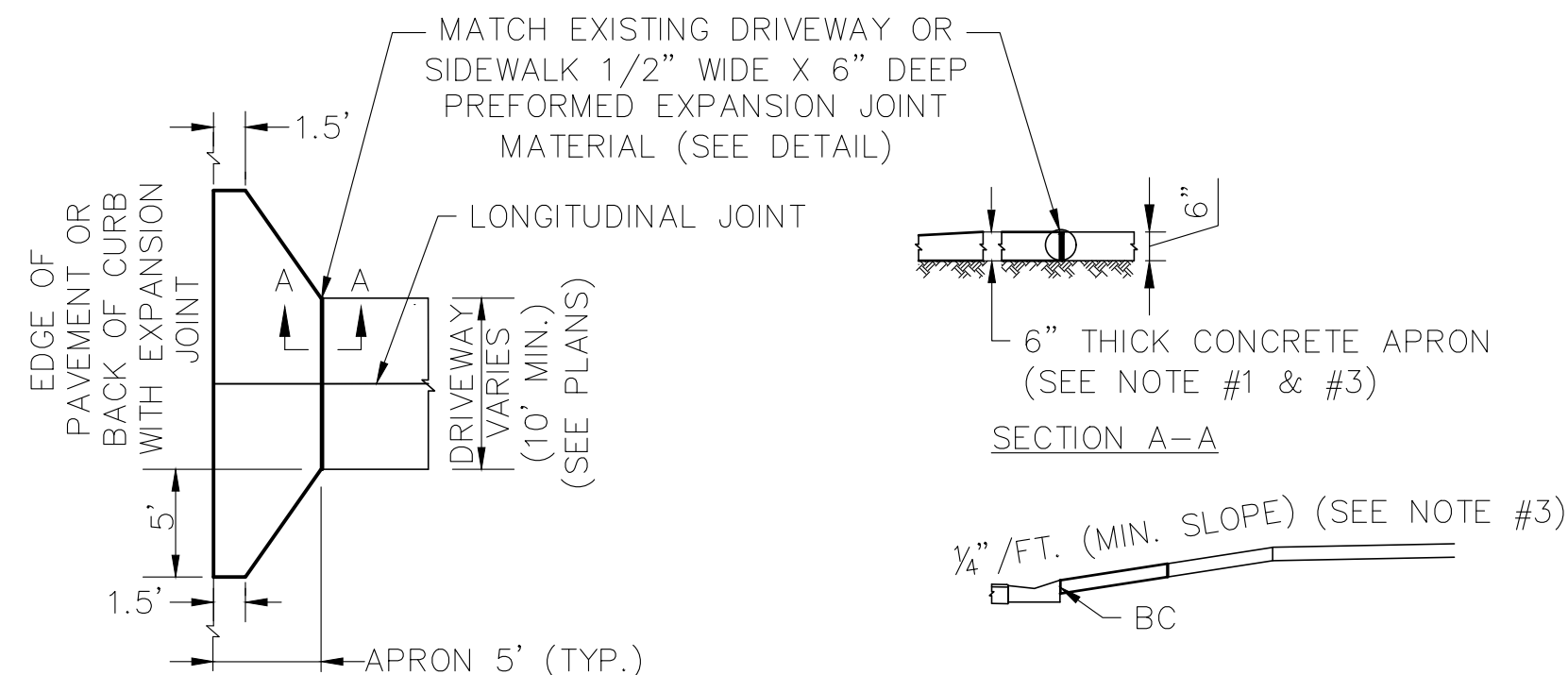
VALLEY GUTTER SECTION A-A

**VALLEY GUTTER NOTE:**  
ALL REFERENCES TO VALLEY GUTTER AND DIMENSIONS FOR VALLEY GUTTER SHALL BE REPLACED BY DETAILS FOR FDOT DROP CURB, SEE FDOT SPI 520-001 FOR MORE DETAIL.

**VALLEY GUTTER AND TRANSITION**  
NTS

**NOTES:**

1. CONCRETE DRIVEWAY APRONS AND SIDEWALK CROSSINGS SHALL BE CONSTRUCTED OF CONCRETE PAVEMENT (3000 PSI), 6" THICK REINFORCED WITH 6" X 6" #10/#10 WELDED WIRE FABRIC, (2" MINIMUM COVER FROM THE BOTTOM.)
- FIBER REINFORCED CONCRETE 3000 PSI (MIN.) MAY BE USED IN PLACE OF THE REQUIREMENTS OF NO. 1 ABOVE.
- CONSTRUCTION OF APRON/DRIVEWAY CROSS SLOPES AND SIDEWALK CROSS SLOPE THROUGH THE DRIVEWAY SHALL COMPLY WITH F.D.O.T. INDEX NO. 522-003 FOR ADA REQUIREMENTS.
- REMOVE TREE ROOTS WITHIN 10" OF PROPOSED GRADE.
- WHEN THERE IS EXISTING SIDEWALK CROSSING THE PROPOSED DRIVEWAY, IT MUST BE REMOVED TO THE NEAREST JOINT BEYOND THE DRIVEWAY.
- SIDEWALKS ADJACENT TO LOT PROPERTY LINES SHALL NOT HAVE A CROSS SLOPE GREATER THAN 2% PER F.D.O.T. INDEX 522-001.
- THERE SHOULD BE AT LEAST ONE LONGITUDINAL CONTROL JOINT AT THE CENTER LINE FOR ALL DRIVEWAYS UP TO 18-FT WIDE. LONGITUDINAL CONTROL JOINT SHOULD NOT EXCEED 8-FT ON ALL DRIVEWAYS WIDER THAN 18-FT. MATCH JOINTS IN CURB AND GUTTER TO JOINTS IN DRIVEWAYS.

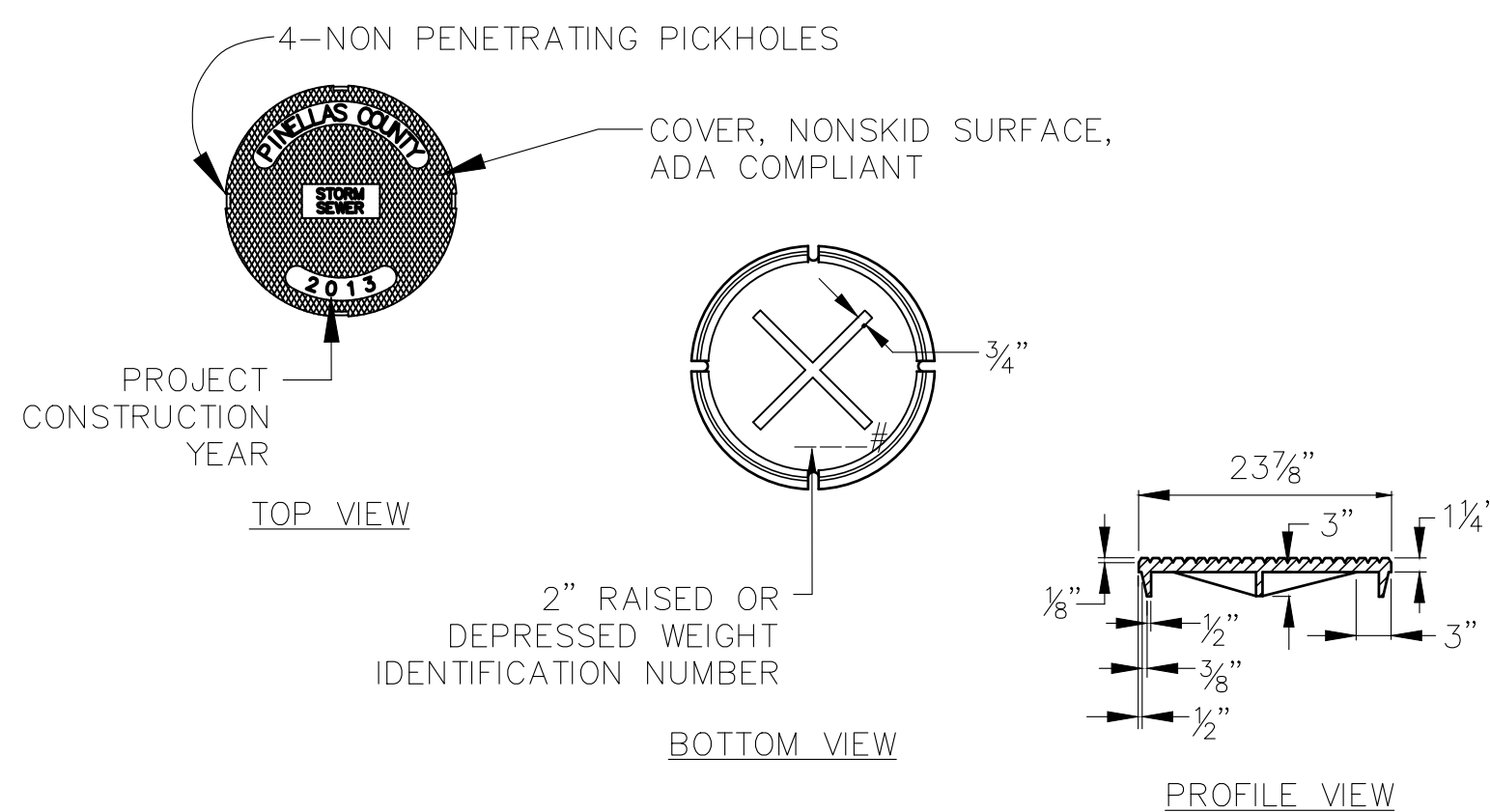


PLAN AND PROFILE VIEW  
TYPE "A" CURB DRIVEWAY APRON

**CONCRETE DRIVEWAY APRON**  
NTS

**NOTES:**

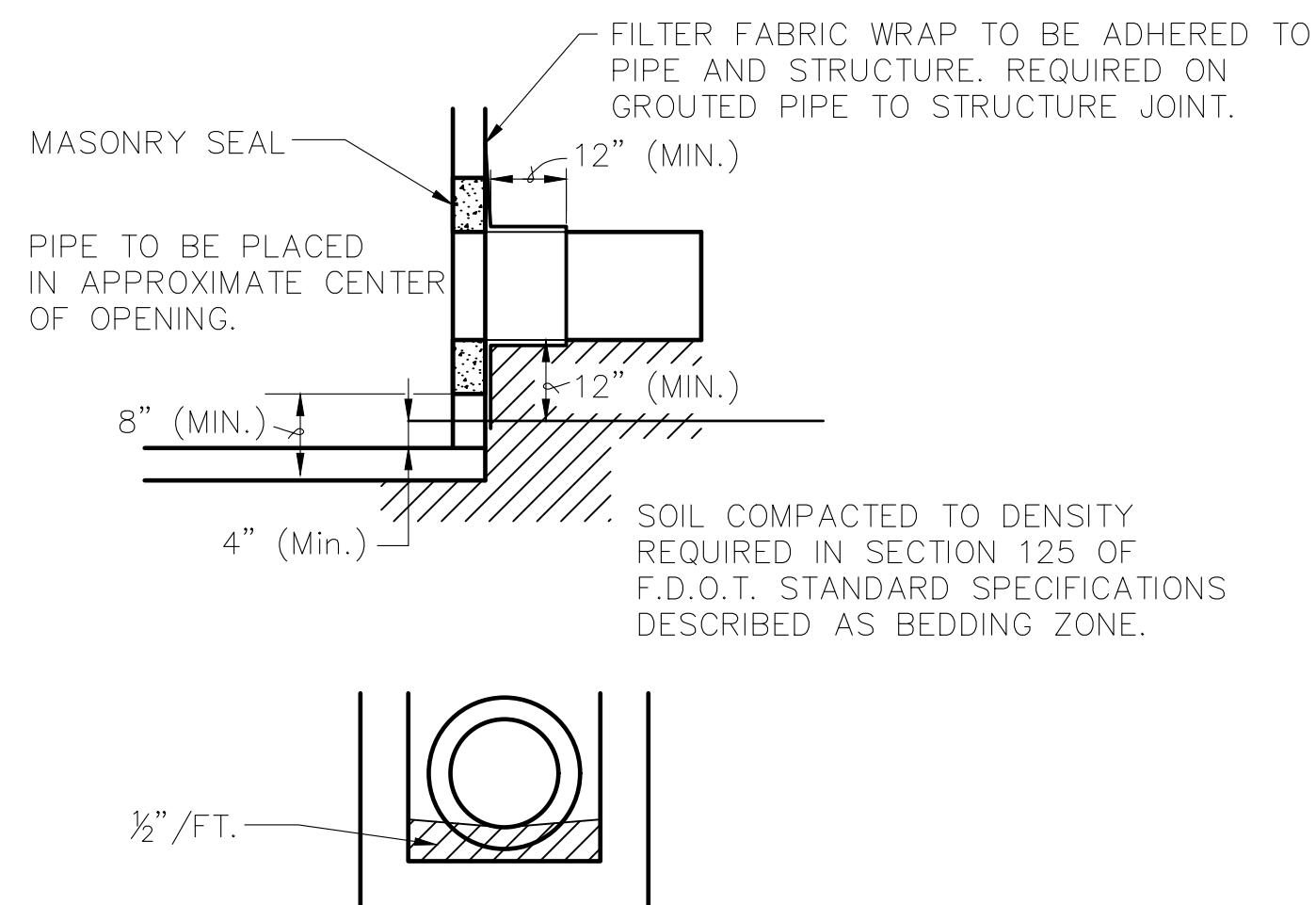
1. THIS COVER IS NOT TO BE USED FOR SANITARY SEWER MANHOLES.
- THIS COVER MAY BE USED WITH FRAME TYPE I, II OR III AS DETAILED IN F.D.O.T. INDEX No. 425-001. TYPE I SHALL BE USED UNLESS OTHERWISE SPECIFIED IN THE PLANS.
- MATERIALS AND FABRICATION SHALL CONFORM TO SECTION 425 OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- COVERS FOR UNDERDRAIN INSPECTION BOXES SHALL BE LABELED UNDERDRAIN AND NOT STORM SEWER.



**STORM SEWER COVER**  
NTS

**NOTES:**

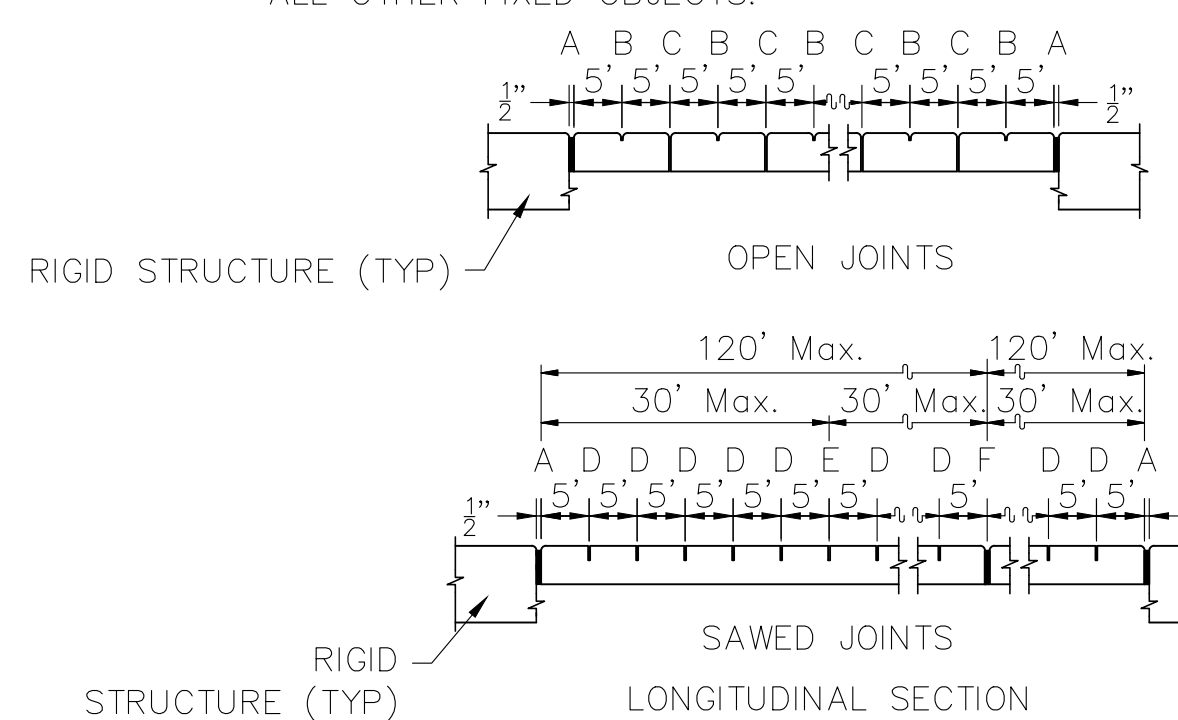
1. GROUT TO CONSIST OF 3:1 SAND-CEMENT MIXTURE OR ANY CLASS CONCRETE.
- FOR ALL STRUCTURES, UNLESS EXCLUDED BY SPECIAL DETAIL, BRICKS SHALL NOT BE USED IN THIS AREA, UNLESS THEY ARE COVERED WITH 4" THICK (MIN.) CONCRETE ABOVE THE BRICKS.



**FILTER FABRIC WRAP AND GROUT AT STRUCTURES**  
NTS

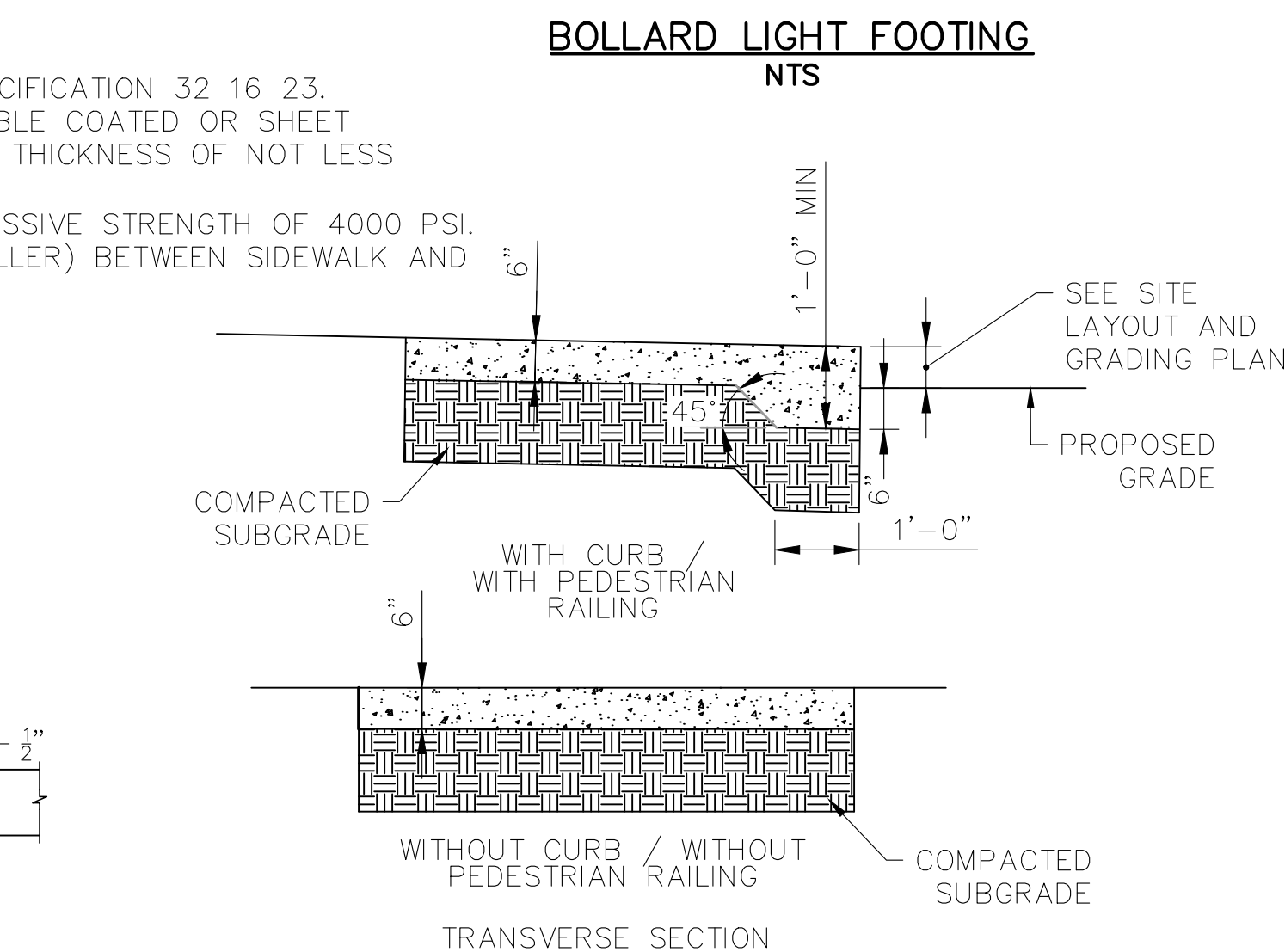
**NOTES:**

1. SEE SITE LAYOUT AND GRADING PLAN FOR WIDTH.
- CONSTRUCT SIDEWALKS IN ACCORDANCE WITH SPECIFICATION 32 16 23.
- BOND BREAKER MATERIAL CAN BE ANY IMPERMEABLE COATED OR SHEET MEMBRANE OR PREFORMED MATERIAL HAVING A THICKNESS OF NOT LESS THAN 6 MILS AND NOT MORE THAN 1/2".
- CONCRETE SIDEWALK TO HAVE A 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI.
- USE 1/2" EXPANSION JOINT (PREFORMED JOINT FILLER) BETWEEN SIDEWALK AND ALL OTHER FIXED OBJECTS.



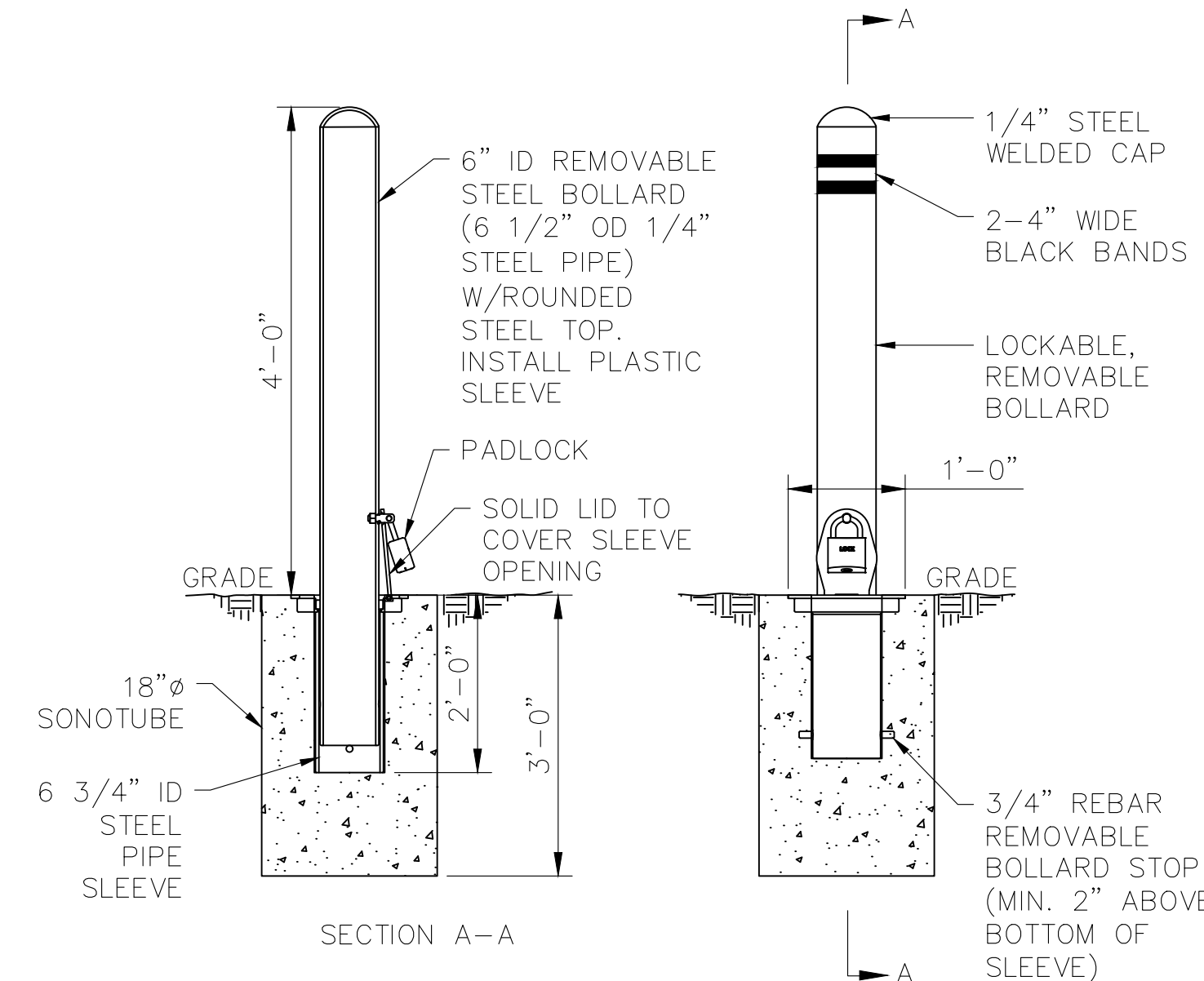
**LEGEND:**  
A- 1/2" EXPANSION JOINTS (PREFORMED JOINT FILLER) BETWEEN THE SIDEWALK AND; DRIVEWAYS, SIDEWALK-INTERSECTIONS, AND ALL OTHER FIXED OBJECTS (E.G. DRAINAGE INLETS AND UTILITY POLES).  
B- 1/8" CONTRACTION JOINTS, TOOLED  
C- 1/8" FORMED OPEN JOINTS  
D- 3/16" SAW CUT JOINTS, 1 1/2" DEEP (WITHIN 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.  
G- COLD JOINT WITH BOND BREAKER, TOOLED

**CONCRETE SIDEWALK**  
NTS



**BOLLARD LIGHT FOOTING**  
NTS

**REMOVABLE LOCKING BOLLARD**  
NTS

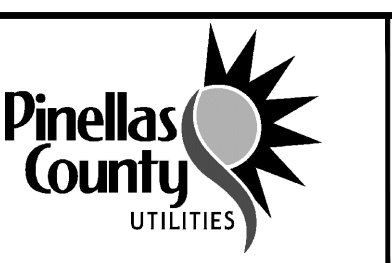


J:\ENR\FL\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CTV\002150-DTL01.dwg, Jan 31, 2025 - 7:22am

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

DESIGNED	M.HOFFMAN		
DRAWN	D.METZ		
CHECKED	W.NICKEL		
REV. NO.	DATE	DESCRIPTION	REV. BY

PROJECT:	PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS
----------	--



DESCRIPTION:	CIVIL DETAILS I
--------------	-----------------

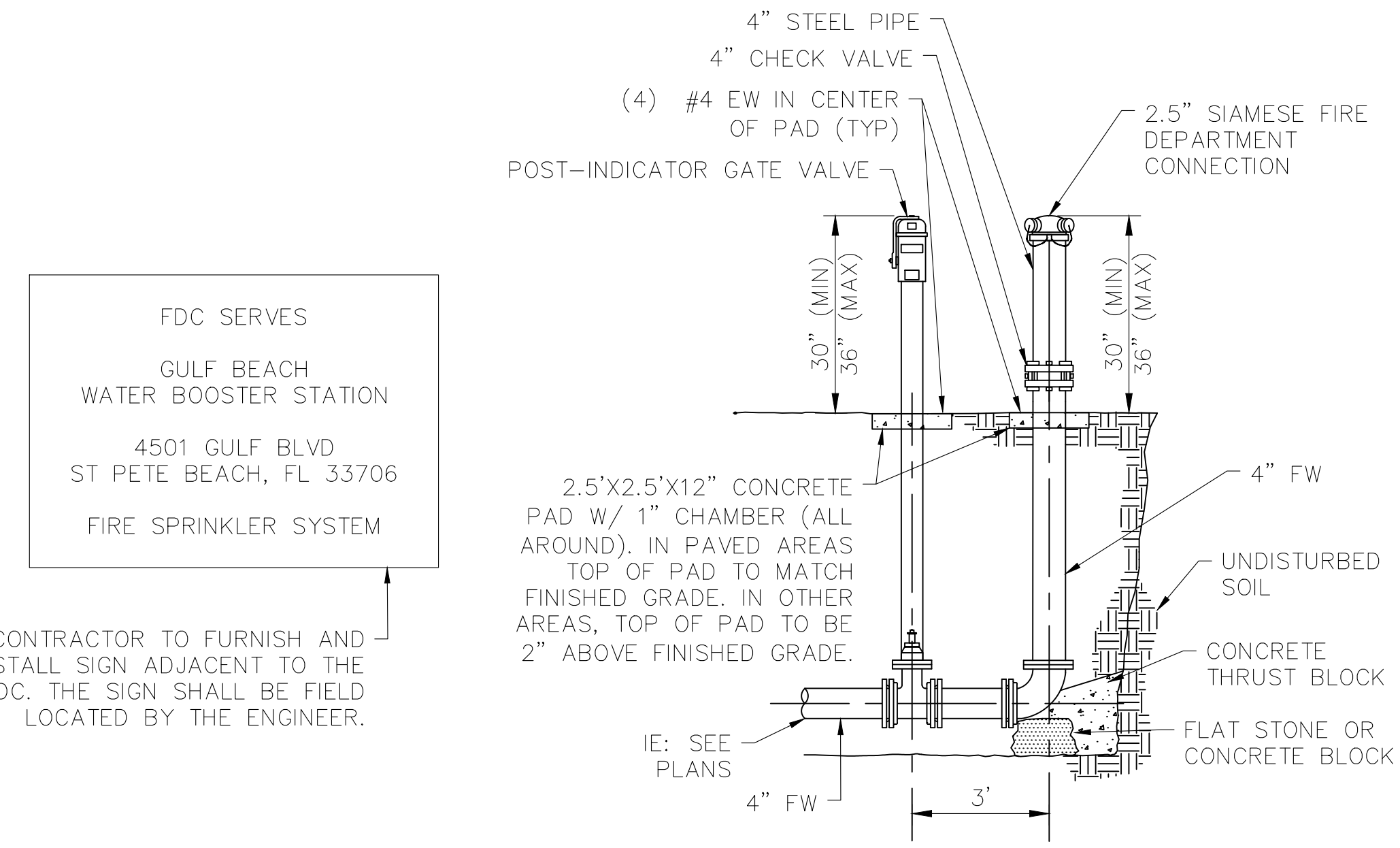
DATE:	01-2025
PROJECT NO.	002150A
SHEET:	C-16

**WRIGHT-PIERCE**  
800.422.1095 | www.wright-pierce.com  
3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624  
CERTIFICATE OF AUTHORIZATION#: 91267540

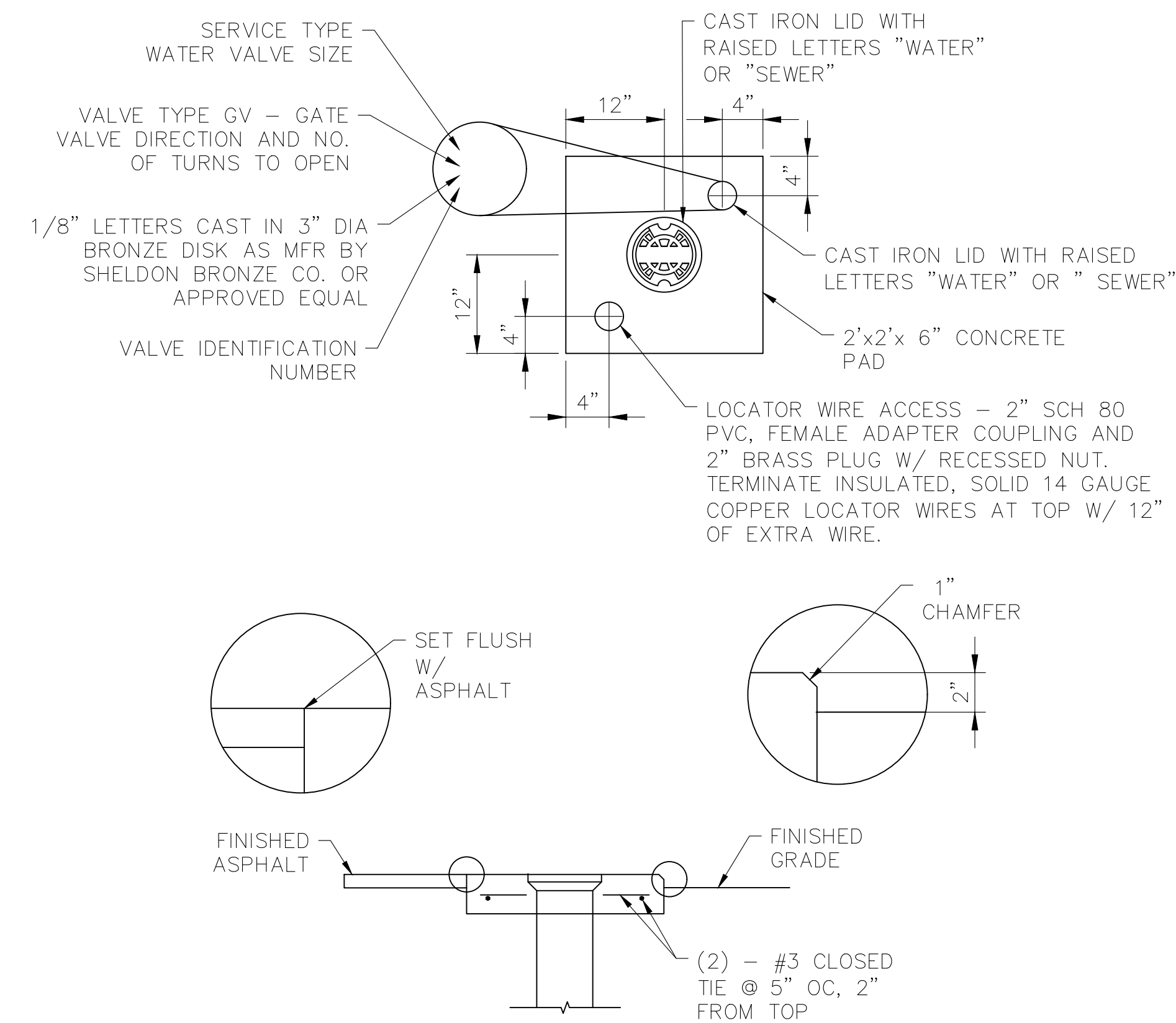
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



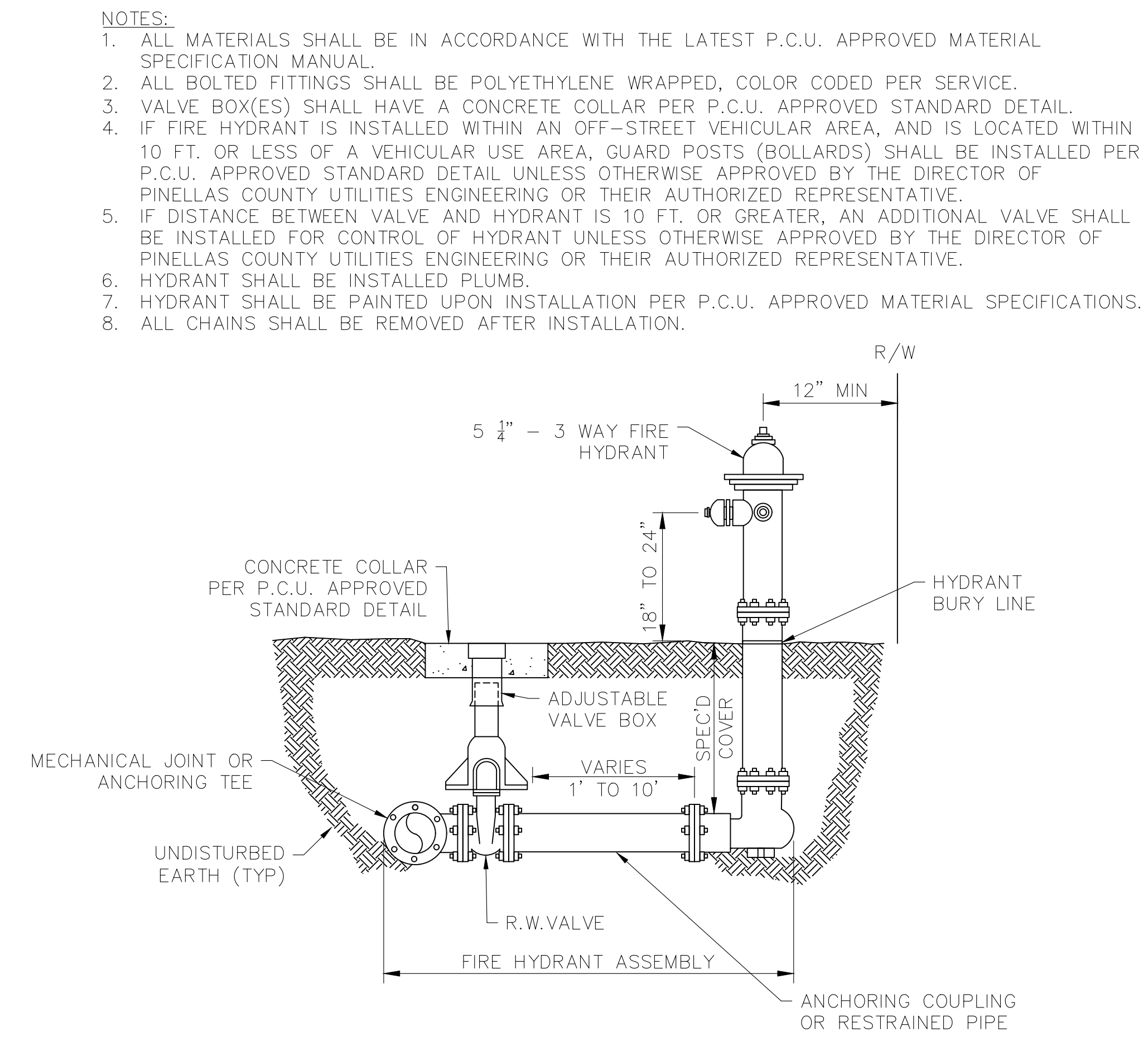
J:\ENGL\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CIV\002150-DTL03.dwg, Jan 31, 2025 - 7:23am



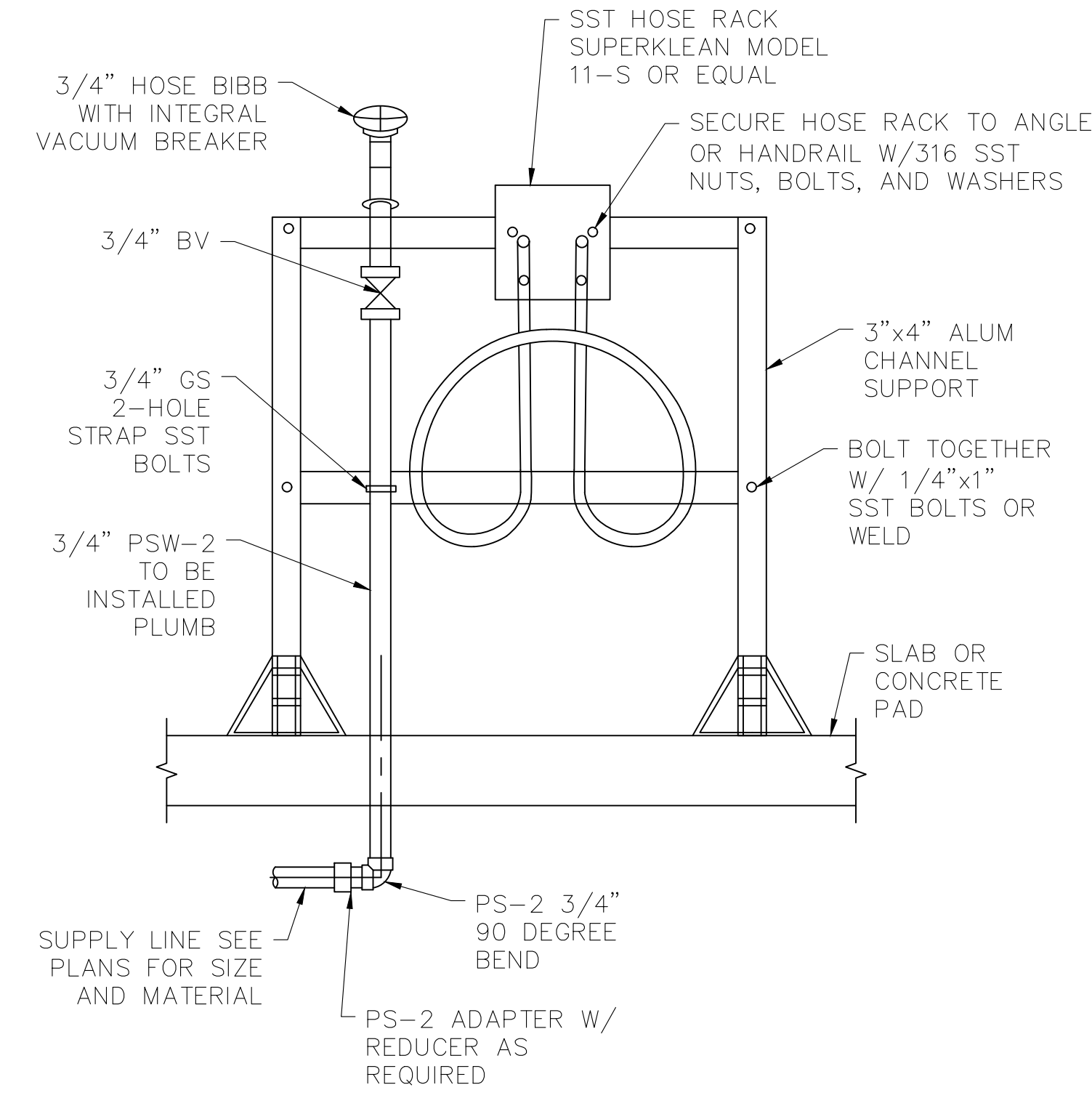
**FIRE DEPARTMENT CONNECTION DETAIL**  
NTS



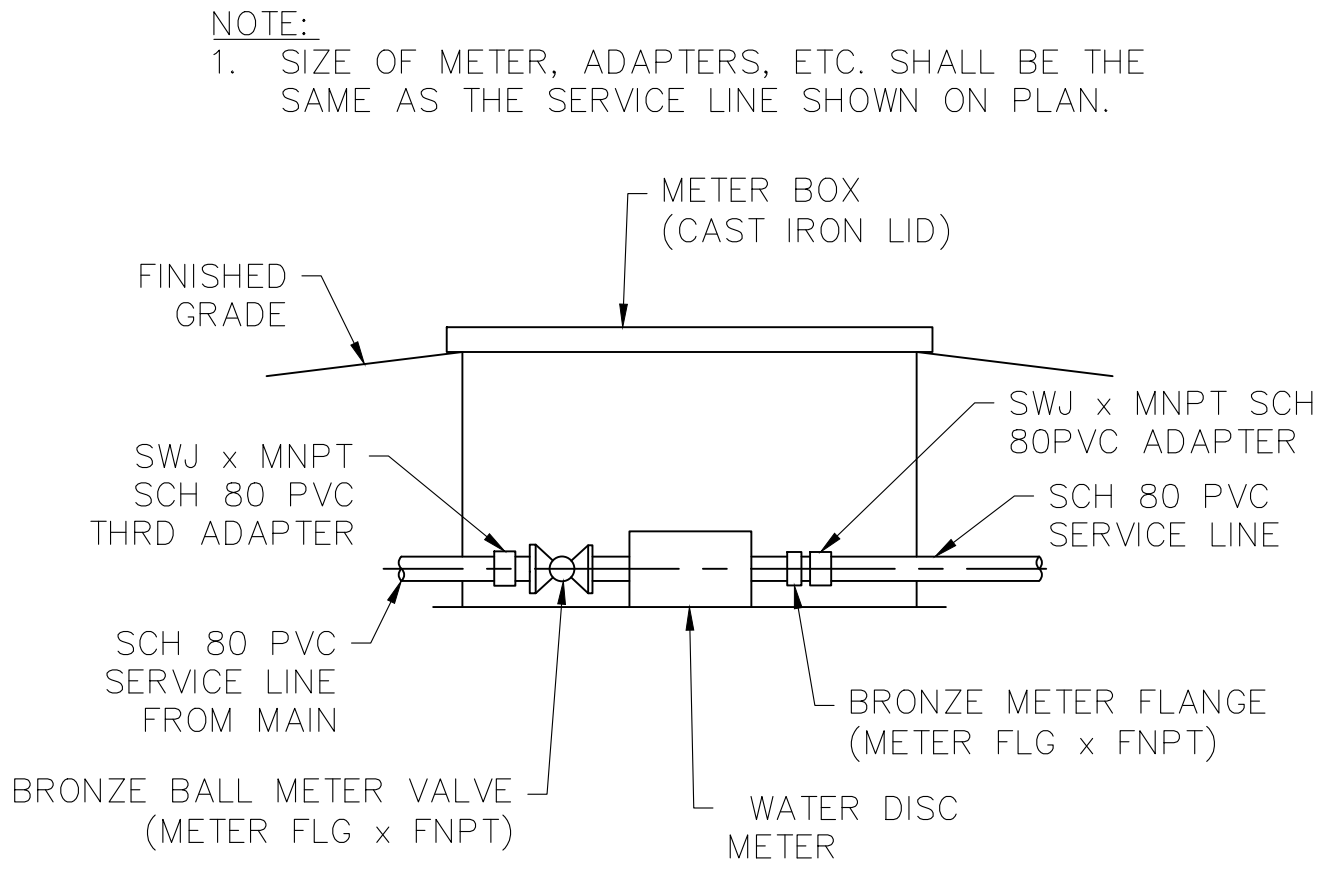
**VALVE COLLAR AND IDENTIFICATION DISK DETAIL**  
NTS



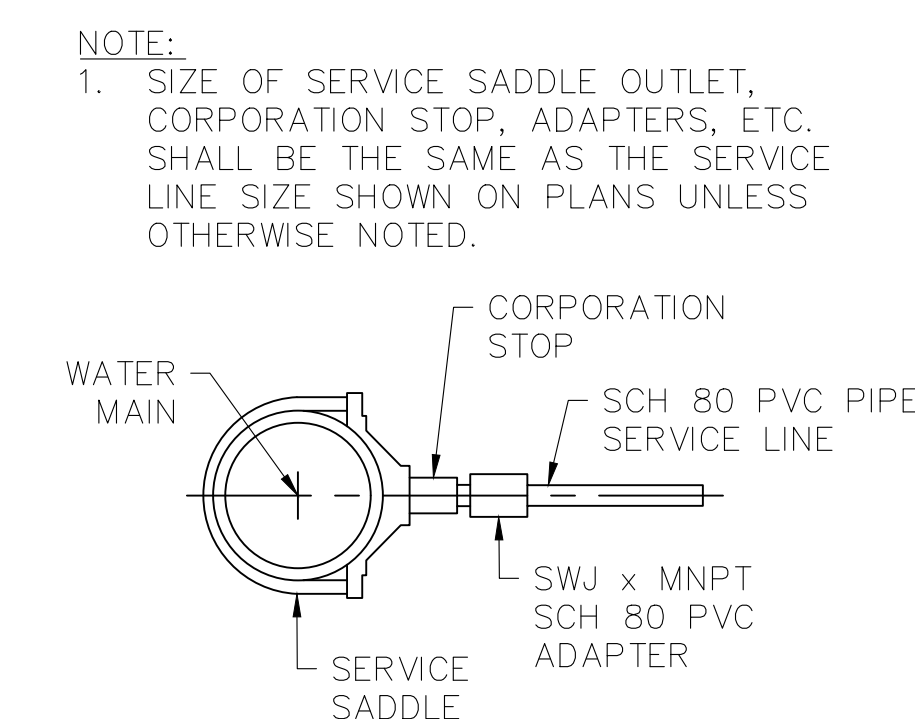
**FIRE HYDRANT ASSEMBLY DETAIL**  
NTS



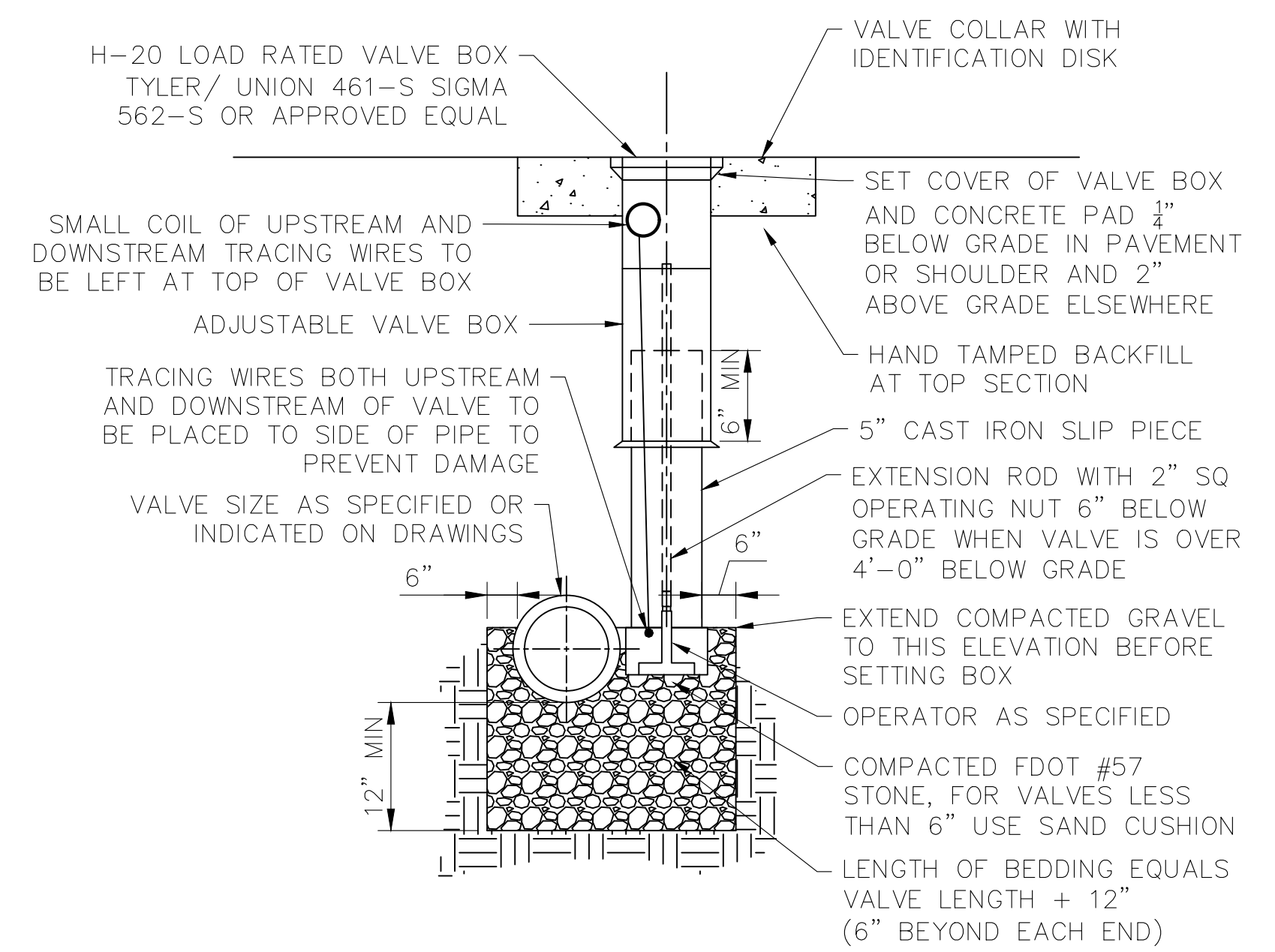
**HOSE RACK ASSEMBLY**  
NTS



**METER ASSEMBLY DETAIL**  
NTS



**SERVICE TAP DETAIL**  
NTS



**BUTTERFLY VALVE DETAIL**  
NTS

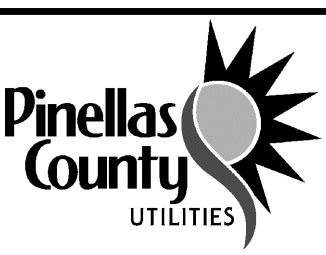
- NOTES:**
1. ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST P.C.U. APPROVED MATERIAL SPECIFICATION MANUAL.
  2. ALL BOLTED FITTINGS SHALL BE POLYETHYLENE WRAPPED, COLOR CODED PER SERVICE.
  3. VALVE BOX(ES) SHALL HAVE A CONCRETE COLLAR PER P.C.U. APPROVED STANDARD DETAIL.
  4. IF FIRE HYDRANT IS INSTALLED WITHIN AN OFF-STREET VEHICULAR AREA, AND IS LOCATED WITHIN 10 FT. OR LESS OF A VEHICULAR USE AREA, GUARD POSTS (BOLLARDS) SHALL BE INSTALLED PER P.C.U. APPROVED STANDARD DETAIL UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PINELLAS COUNTY UTILITIES ENGINEERING OR THEIR AUTHORIZED REPRESENTATIVE.
  5. IF DISTANCE BETWEEN VALVE AND HYDRANT IS 10 FT. OR GREATER, AN ADDITIONAL VALVE SHALL BE INSTALLED FOR CONTROL OF HYDRANT UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PINELLAS COUNTY UTILITIES ENGINEERING OR THEIR AUTHORIZED REPRESENTATIVE.
  6. HYDRANT SHALL BE INSTALLED PLUMB.
  7. HYDRANT SHALL BE PAINTED UPON INSTALLATION PER P.C.U. APPROVED MATERIAL SPECIFICATIONS.
  8. ALL CHAINS SHALL BE REMOVED AFTER INSTALLATION.

FDC SERVES  
GULF BEACH  
WATER BOOSTER STATION  
4501 GULF BLVD  
ST PETE BEACH, FL 33706  
FIRE SPRINKLER SYSTEM

CONTRACTOR TO FURNISH AND  
INSTALL SIGN ADJACENT TO THE  
FDC. THE SIGN SHALL BE FIELD  
LOCATED BY THE ENGINEER.

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED **M. HOFFMAN**  
DRAWN **D. METZ**  
CHECKED **C. BAGGETT**



PROJECT:  
**PINELLAS COUNTY, FLORIDA  
GULF BEACH WATER BOOSTER  
STATION IMPROVEMENTS**

DESCRIPTION:  
**CIVIL DETAILS III**

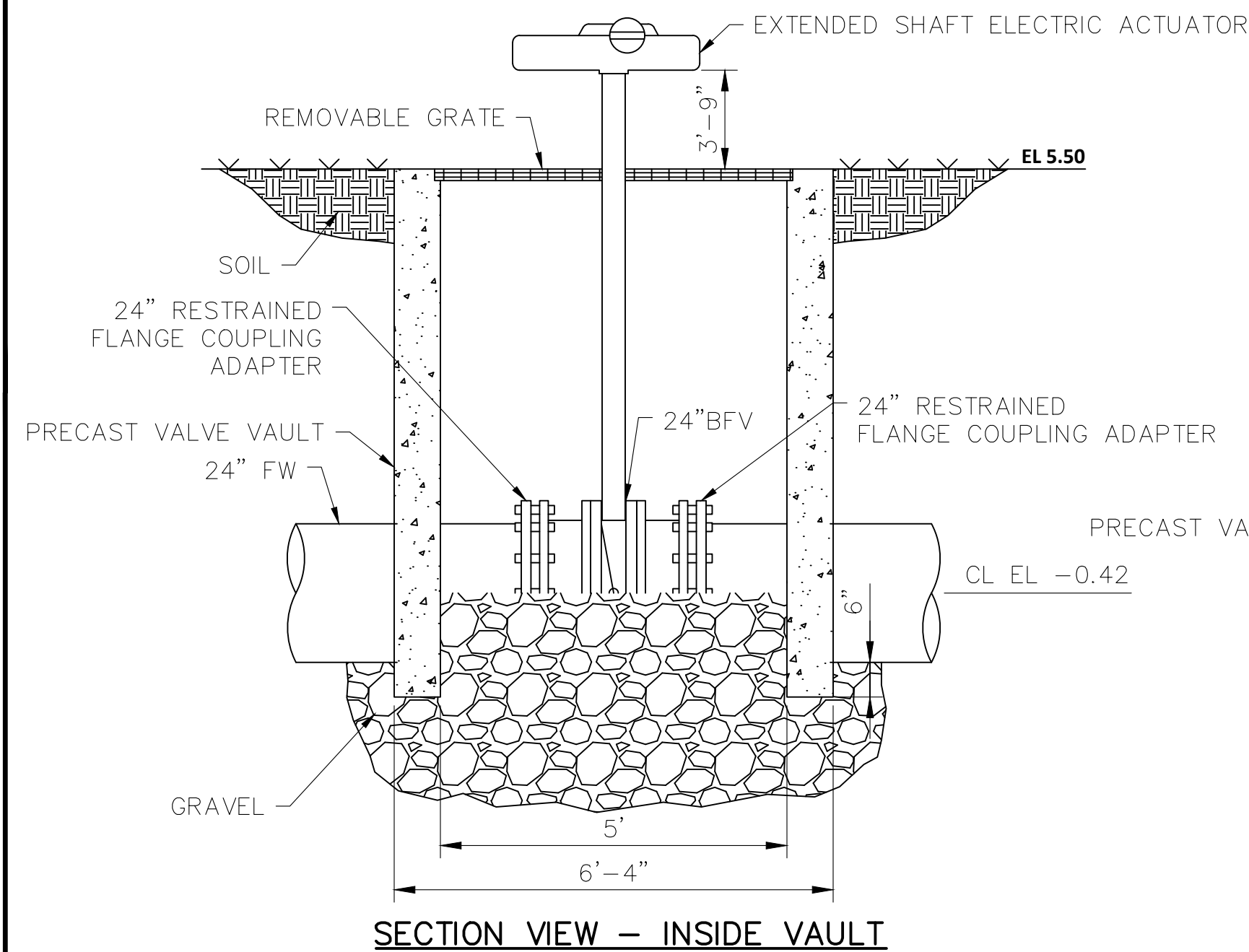
**WRIGHT-PIERCE**  
800.422.1095 | www.wright-pierce.com  
3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624  
CERTIFICATE OF AUTHORIZATION#: 91267540

PRINTED COPIES OF THIS DOCUMENT ARE NOT  
CONSIDERED SIGNED AND SEALED AND THE  
SIGNATURE MUST BE VERIFIED ON ANY  
ELECTRONIC COPIES.

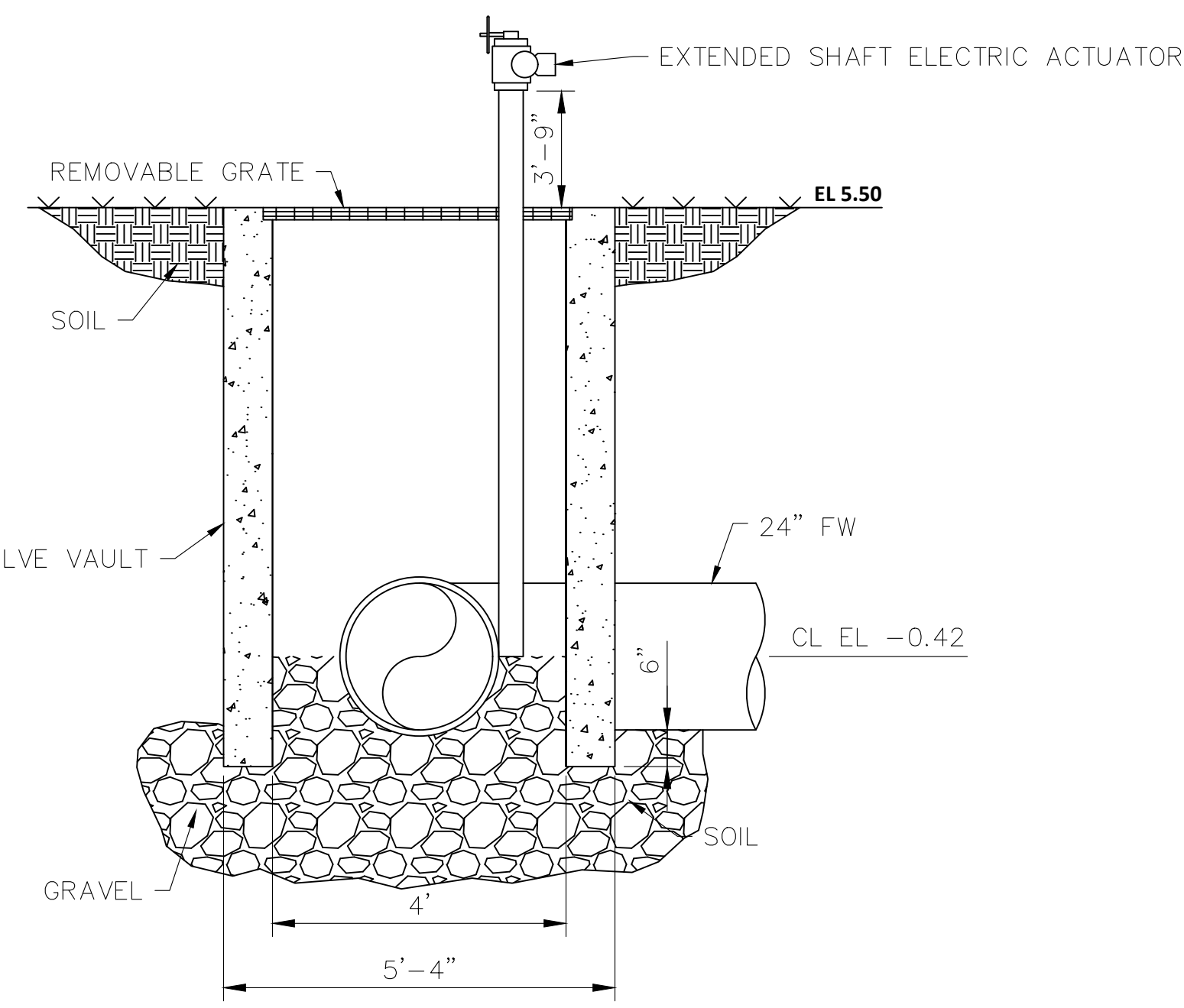
DATE: **01-2025**  
PROJECT NO.: **002150A**  
SHEET: **C-18**

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

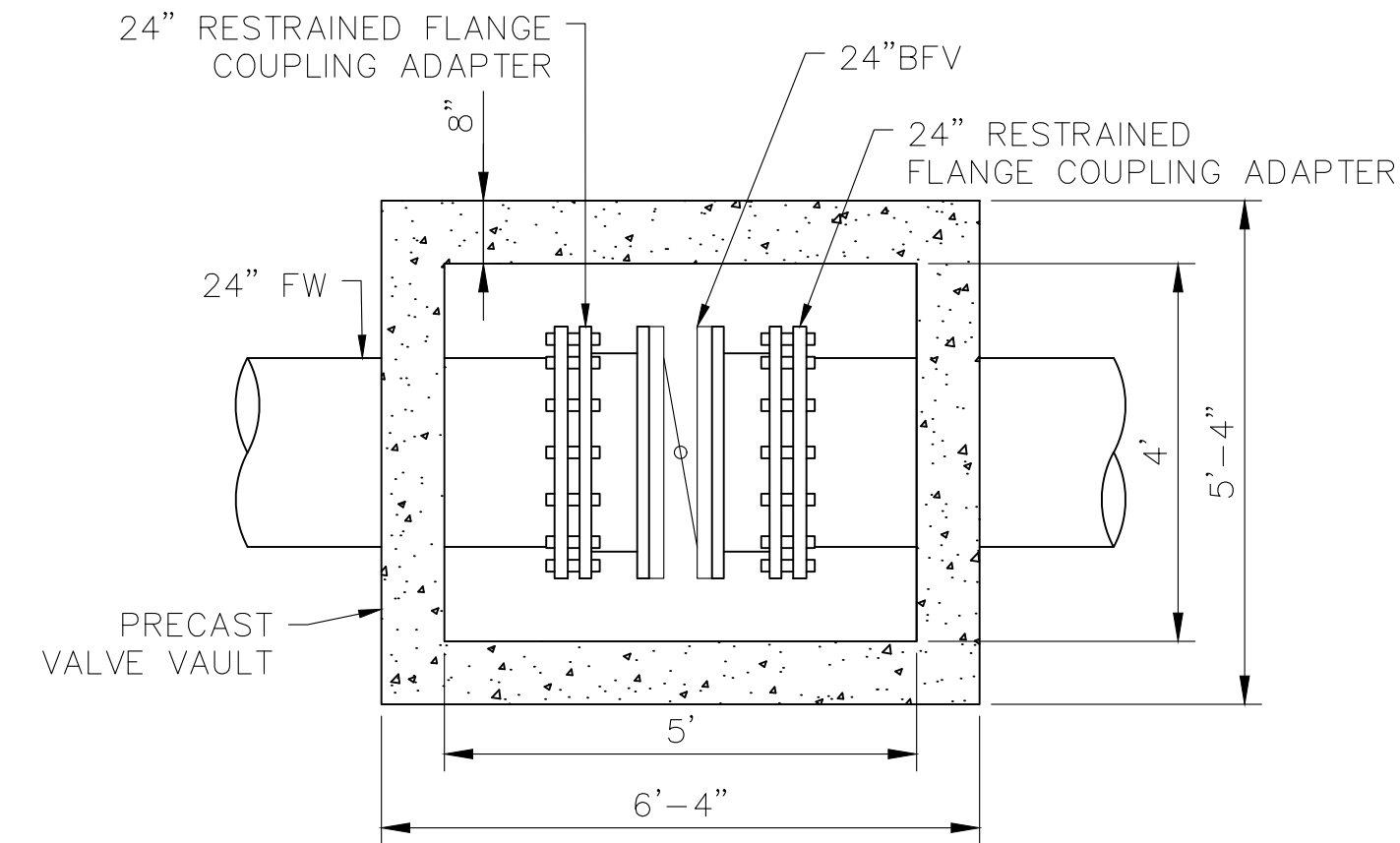
J:\ENGIN\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CIV\002150-DTL04.dwg, Jan 31, 2025 - 7:23am



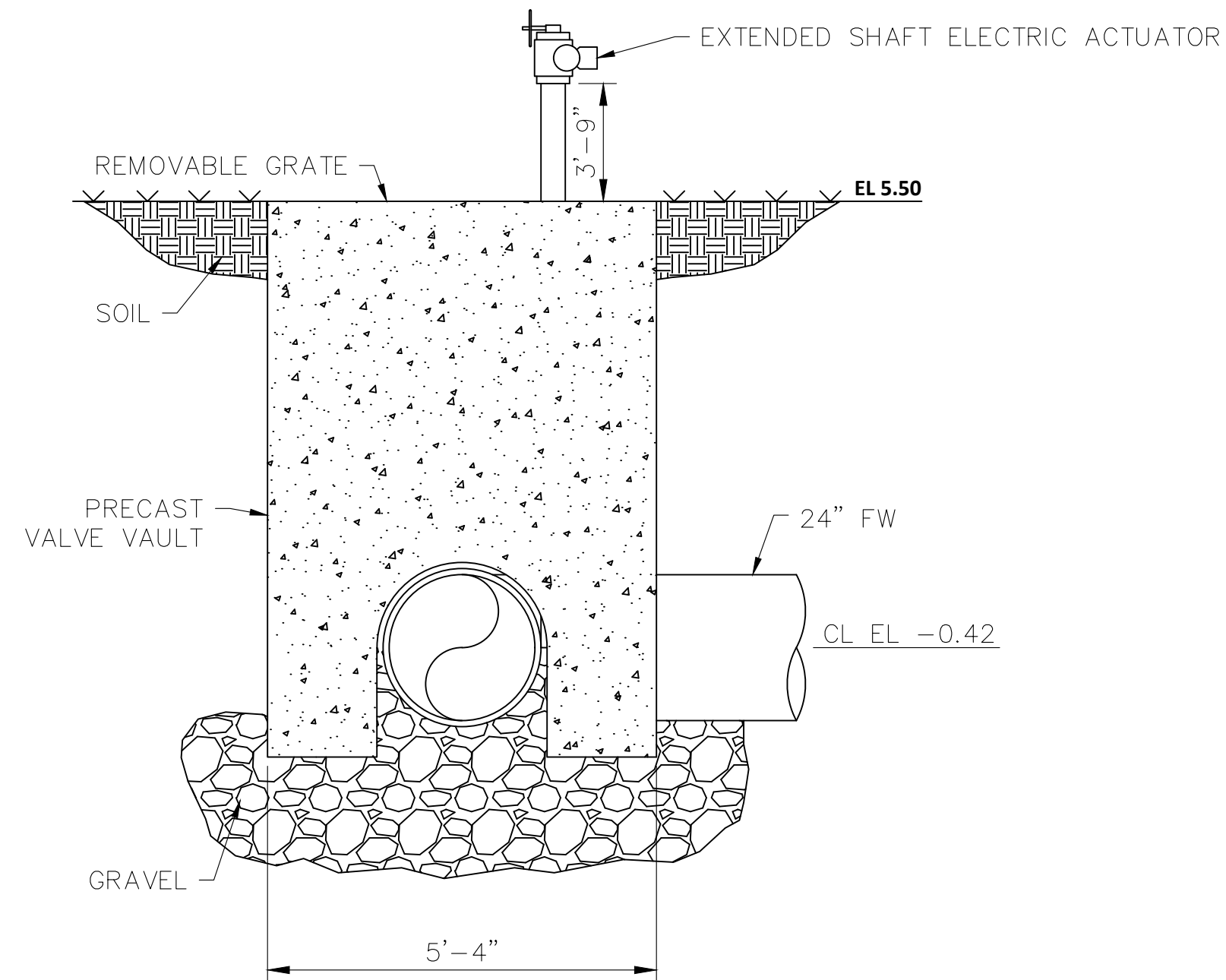
SECTION VIEW - INSIDE VAULT  
NTS



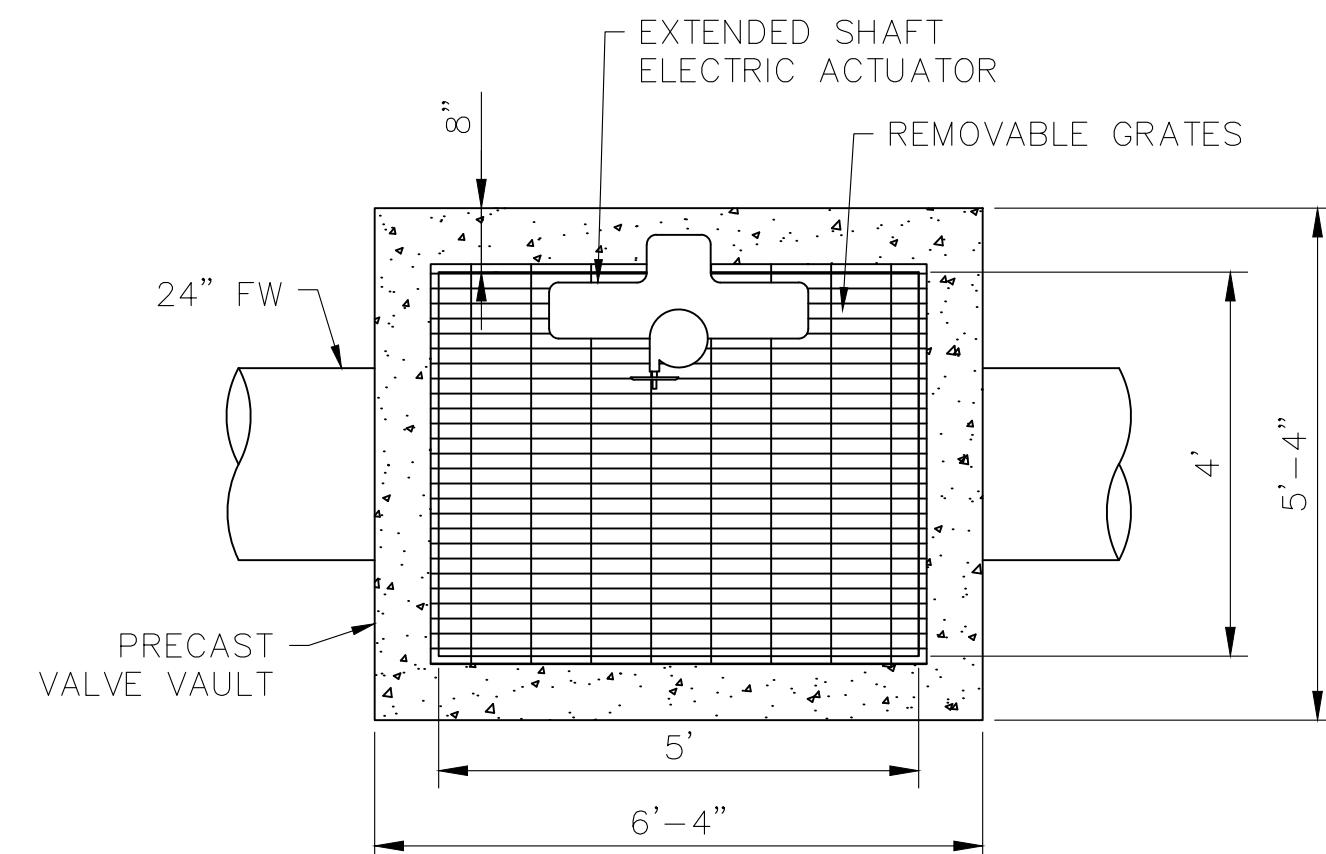
SECTION VIEW - INSIDE VAULT  
NTS



PLAN VIEW - INSIDE VAULT  
NTS

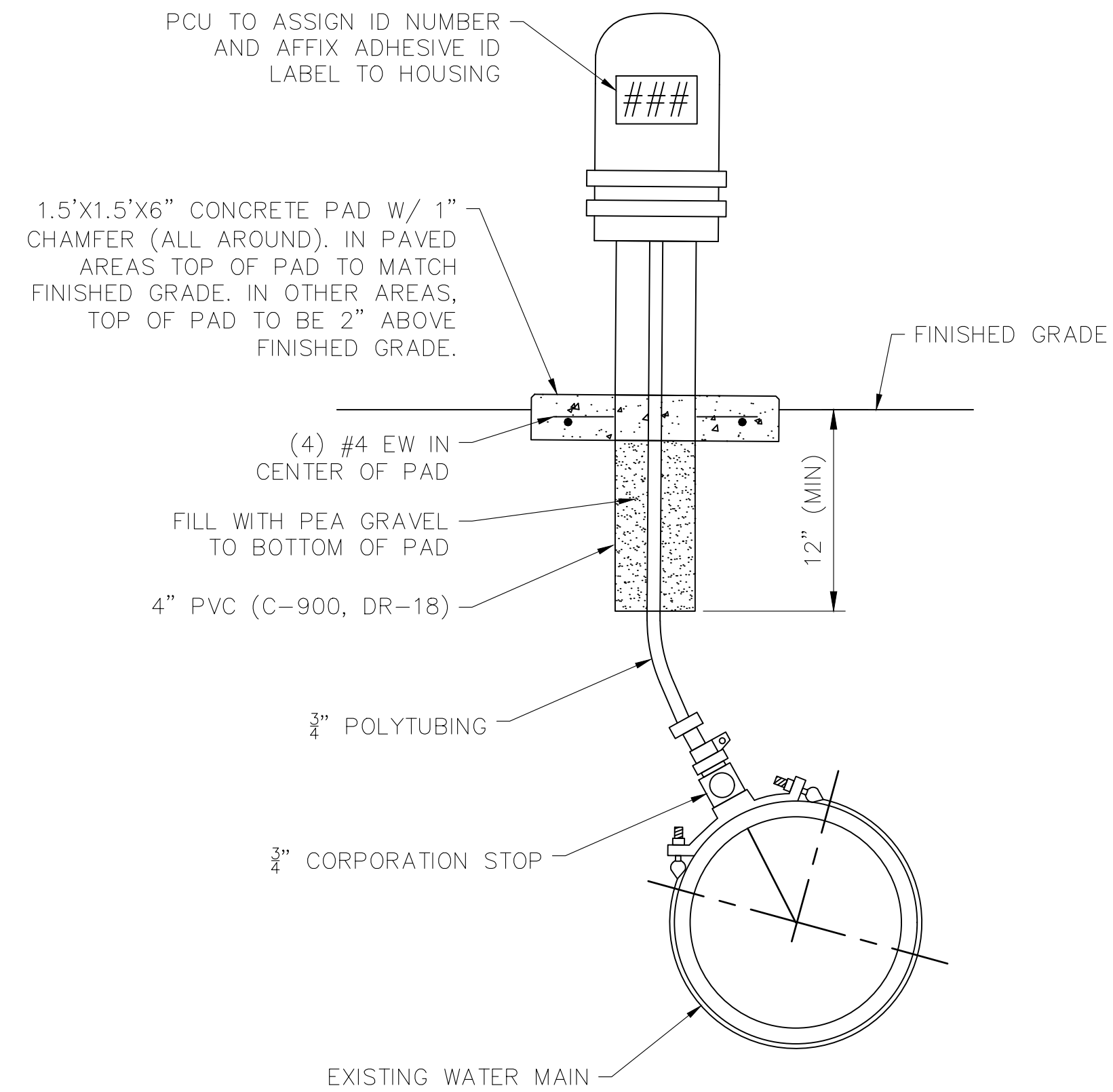


SECTION VIEW - OUTSIDE VAULT  
NTS



PLAN VIEW - TOP OF VAULT  
NTS

**BFV BELOW GRADE VAULT DETAILS**

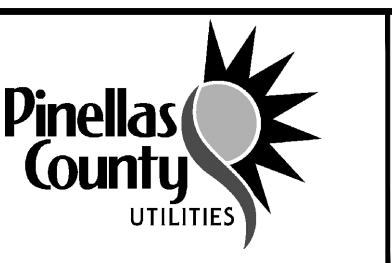


- NOTES:**
1. ABOVE GRADE SAMPLE STATION INCLUSIVE OF 3/4" BRASS INLET ADAPTER, SS WATERWAY, BRASS THROTTLING VALVE, SS SPIGOT, AND BLUE PVC HOUSING (MODEL 301W-SS BY WATER PLUS CORPORATION OR APPROVED EQUAL).
  2. SPIGOT OUTLET TO BE LOCATED 36" ABOVE FINISHED GRADE.

**WATER QUALITY SAMPLE STATION**  
NTS

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED	M. HOFFMAN
DRAWN	D. METZ
CHECKED	C. BAGGETT



PROJECT:  
PINELLAS COUNTY, FLORIDA  
GULF BEACH WATER BOOSTER  
STATION IMPROVEMENTS

DESCRIPTION:  
CIVIL DETAILS IV

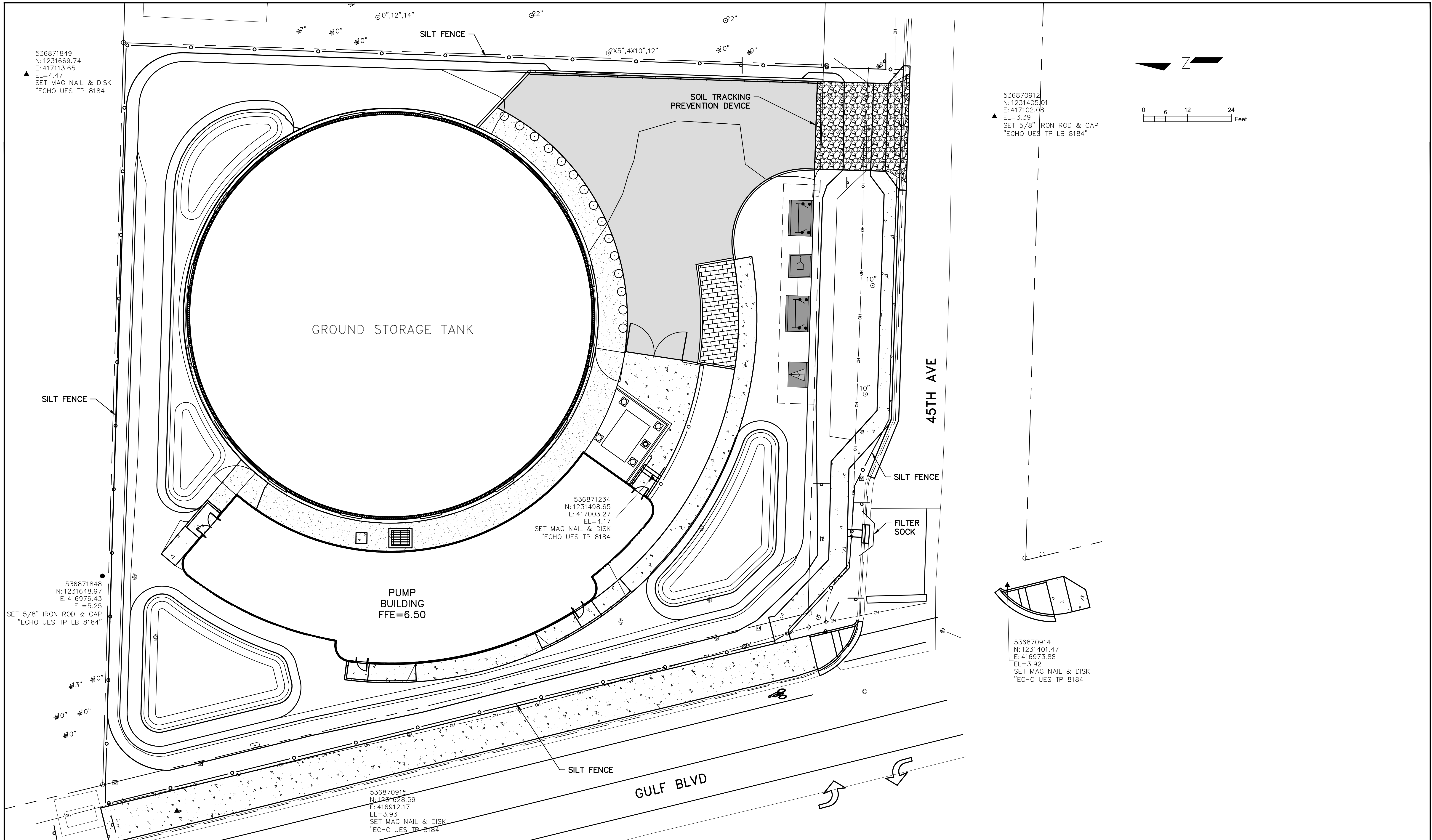


PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

DATE:	01-2025
PROJECT NO.:	002150A
SHEET:	C-19

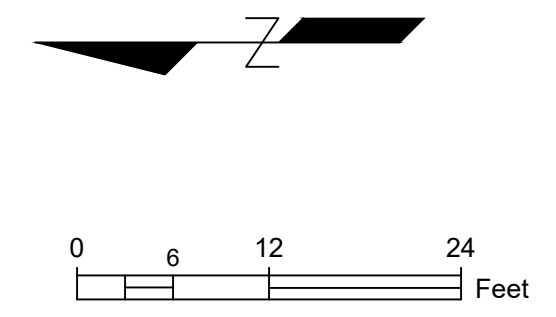
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

J:\ENR\FL\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CIV\002150A-SVPP.dwg, Jan 31, 2025 - 7:23am



536871849  
N: 1231669.74  
E: 417113.65  
EL=4.47  
SET MAG NAIL & DISK  
"ECHO UES TP 8184"

536870912  
N: 1231405.01  
E: 417102.08  
EL=3.39  
SET 5/8" IRON ROD & CAP  
"ECHO UES TP LB 8184"



536871848  
N: 1231648.97  
E: 416976.43  
EL=5.25  
SET 5/8" IRON ROD & CAP  
"ECHO UES TP LB 8184"

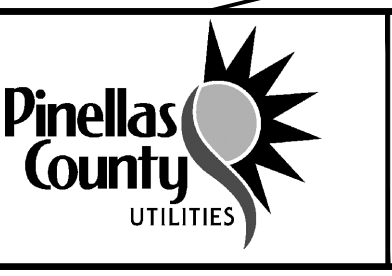
536871234  
N: 1231498.65  
E: 417003.27  
EL=4.17  
SET MAG NAIL & DISK  
"ECHO UES TP 8184"

536870914  
N: 1231401.47  
E: 416973.88  
EL=3.92  
SET MAG NAIL & DISK  
"ECHO UES TP 8184"

536870915  
N: 1231628.59  
E: 416912.17  
EL=3.93  
SET MAG NAIL & DISK  
"ECHO UES TP 8184"

REV. NO.	DATE	DESCRIPTION	REV. BY

DESIGNED M. HOFFMAN  
DRAWN D. METZ  
CHECKED W. NICKEL



PROJECT:  
PINELLAS COUNTY, FLORIDA  
GULF BEACH WATER BOOSTER  
STATION IMPROVEMENTS

DESCRIPTION:  
STORMWATER POLLUTION  
PREVENTION PLAN

**WRIGHT-PIERCE**  
800.422.1095 | www.wright-pierce.com  
3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624  
CERTIFICATE OF AUTHORIZATION#: 91267540

PRINTED COPIES OF THIS DOCUMENT ARE NOT  
CONSIDERED SIGNED AND SEALED AND THE  
SIGNATURE MUST BE VERIFIED ON ANY  
ELECTRONIC COPIES.

DATE: 01-2025  
PROJECT NO. 002150A  
SHEET: C-20

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

**I. SITE DESCRIPTION**

**A. CONSTRUCTION ACTIVITY**

THE PROPOSED IMPROVEMENTS CONSIST OF REMOVAL AND REPLACEMENT OF A PUMP BUILDING; REMOVAL AND REPLACEMENT OF SIDEWALKS; REMOVAL AND REPLACEMENT OF THE PARKING LOT; REMOVAL AND REPLACEMENT OF THE DRIVEWAY CONNECTION TO 45TH AVENUE; STORMWATER MANAGEMENT FACILITIES; AND VARIOUS UTILITY IMPROVEMENTS.

**B. PROJECT LIMITS**

PID: 07-32-16-51660-000-0011, PORTION OF GULF BLVD ROW, PORTION OF 45TH AVE ROW

**C. PROJECT DESCRIPTION**

THE GBWBS FUNCTIONS AS A RE-PUMP STATION, RECEIVING WATER FROM THE NORTHERN ISLE OF CAPRI WASTER BOOSTER STATION TO STORE IN THE GBWBS ON-SITE GROUND STORAGE TANK (GST) DURING LOW DEMAND PERIODS, AND PUMPING WATER TO THE SOUTHERN PORTION OF PCU'S WATER DISTRIBUTION SYSTEM TO MAINTAIN SYSTEM PRESSURES DURING PEAK DEMAND PERIODS AND TO SATISFY FIRE FLOW NEEDS. THE PURPOSE OF THE PROJECT IS TO UPGRADE THE GBWBS TO MEET CURRENT INDUSTRY AND OPERATION STANDARDS.

**D. MAJOR SOIL DISTURBING ACTIVITIES**

CLEARING AND GRUBBING, DEMOLITION, GRADING OF SITE

**E. TOTAL PROJECT AREA: 0.8 ACRES  
TOTAL AREA TO BE DISTURBED: 0.8 ACRES**

**F. RUNOFF DATA**

	100-YEAR/24-HOUR DISCHARGE (CFS)
EXISTING CONDITION	0.9
PROPOSED CONDITION	0.5

**G. SOIL DATA**

19-PALM BEACH FINE SAND: FINE SAND, EXCESSIVELY DRAINED, HYDROLOGIC SOIL GROUP "A"

**H. DRAINAGE AREA (ATTACH DRAINAGE MAP OR PROVIDE DRAINAGE AREA IN ACRES)**

0.75 ACRES

**I. RECEIVING WATERS**

BOCA CIEGA BAY (CENTRAL SOUTH), WATERBODY ID 1694A2

**J. WETLANDS AREAS**

NOT APPLICABLE

**II. CONTROLS**

ALL CONTROLS SHALL BE CONSISTENT WITH PERFORMANCE STANDARDS FOR EROSION AND SEDIMENT CONTROL AND STORM-WATER TREATMENT SET FORTH IN s.62-40.432, F.A.C., THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, THE APPLICABLE STORM-WATER OR ENVIRONMENTAL RESOURCE PERMITTING REQUIREMENTS OF THE DEPARTMENT OR A WATER MANAGEMENT DISTRICT, THE GUIDELINES CONTAINED IN THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT (DEP, 1988) AND ANY SUBSEQUENT AMENDMENTS.

**A. SEQUENCE OF MAJOR ACTIVITIES**

- INSTALLATION OF PERIMETER CONTROL MEASURES AND SOIL TRACKING PREVENTION DEVICES.
- INTERIM SOURCE REMOVAL AND CLEARING AND GRUBBING
- DEMOLITION AND TEMPORARY UTILITY SYSTEMS AS DESCRIBED IN PROCESS DRAWINGS
- CONSTRUCTION OF STORMWATER MANAGEMENT FEATURES.
- SITE CONSTRUCTION & INTERIM EROSION CONTROL MEASURES.
- FINAL VEGETATION

WHEN CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE EROSION PROTECTION DEVICES AND CONSTRUCTION ENTRANCE AS REQUIRED.

**B. EROSION AND SEDIMENT CONTROL CONSTRUCTION ACTIVITIES**

THE CONTRACTOR IS REQUIRED TO REVIEW THE SITE SPECIFIC EROSION CONTROL PLAN. THE CONTRACTOR MAY ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS OR SITE CONDITIONS. CONTRACTOR WILL COMPLY WITH E & S PLAN. ANY MODIFICATIONS TO THIS PLAN MUST BE SIGNED BY A PROFESSIONAL ENGINEER REPRESENTING THE CONTRACTOR. THE EROSION CONTROL DEVICES, DETAILS, AND NOTES APPLICABLE TO THESE ACTIVITIES ARE SPECIFIED IN THE PLANS. THE PROJECT ENGINEER IS RESPONSIBLE FOR DETERMINING IF ADDITIONAL CONTROLS ARE THE PROJECT ENGINEER MAY REQUIRE ADDITIONAL CONTROLS TO MEET STANDARDS AND REGULATIONS.

PERFORM WEEKLY INSPECTION OF EROSION AND SEDIMENT CONTROLS AND AFTER EVERY 1/2" RAINFALL

REMOVE ALL SEDIMENTS THAT HAVE MIGRATED OFF SITE AND RESTORE AFFECTED AREAS AS DIRECTED BY THE ENGINEER

**C. STABILIZATION PRACTICES**

DURING CONSTRUCTION THE CONTRACTOR WILL PROVIDE STABILIZATION FOR AREAS WHICH HAVE BEEN CLEARED AND NOT REWORKED WITHIN FOURTEEN (14) CALENDAR DAYS. THE CONTRACTOR MAY UTILIZE TEMPORARY SEEDING OR TEMPORARY SODDING IN ACCORDANCE WITH SECTION 570 OF THE "FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

- \_\_\_ TEMPORARY SODDING
- \_\_\_ TEMPORARY GRASSING
- \_\_\_ PERMANENT SODDING OR SEEDING
- \_\_\_ PRESERVATION OF NATURAL RESOURCES
- \_\_\_ BUFFER ZONES

**D. STRUCTURAL PRACTICES**

- \_\_\_ SYNTHETIC BALES (LF)
- \_\_\_ ARTIFICIAL COVERINGS/ ROLLED EROSION CONTROL PRODUCTS (SY)
- \_\_\_ INLET PROTECTION SYSTEM (EA)
- \_\_\_ LITTER REMOVAL AND DISPOSAL (AC)
- \_\_\_ MOWING (AC)
- \_\_\_ SLOPE DRAINS (TEMPORARY)/ RUNOFF CONTROL STRUCTURES (LF)
- \_\_\_ SOIL TRACKING PREVENTION DEVICE (EA)
- \_\_\_ SEDIMENT BASINS/CONTAINMENT SYSTEMS (EA)
- \_\_\_ SEDIMENT BASIN/ CONTAINMENT SYSTEM CLEANOUT (EA)
- \_\_\_ FLOATING TURBIDITY BARRIER (LF)
- \_\_\_ STAKED SILT FENCE (LF)
- \_\_\_ CHEMICAL TREATMENT - POWDERED (SY)
- \_\_\_ CHEMICAL TREATMENT (FLOC LOGS, DRUMS OF PRODUCT) (EA)
- \_\_\_ OTHER

**E. DESCRIPTION OF STORM WATER MANAGEMENT**

FOUR STORMWATER MANAGEMENT FACILITIES ARE PROPOSED. THREE OF THESE FACILITIES ARE DRY RETENTION PONDS AND ONE OF THE FACILITIES IS A PERMEABLE PAVEMENT SYSTEM. ALL FACILITIES WILL BE CONNECTED BY EQUALIZER PIPES, SO THE SYSTEM FUNCTIONS AS ONE COMBINED DRY RETENTION FACILITY.

**F. WASTE DISPOSAL**

THE CONTRACTOR SHALL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES. ANY CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER. NO SOLID MATERIALS INCLUDING BUILDING & CONSTRUCTION MATERIALS SHALL BE DISCHARGED TO WETLANDS OR BURIED ON SITE. ALL WASTE MATERIAL WILL BE COLLECTED AND STORED IN DUMPSTERS PER LOCAL SOLID WASTE REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF TWICE A WEEK OR MORE OFTEN IF NECESSARY, AND THE TRASH WILL BE HAULED TO THE APPROPRIATE COUNTY LOCATION FOR DUMPING.

**G. OFFSITE VEHICLE TRACKING**

STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS AND INSPECTED/MAINTAINED DAILY. THE PAVED STREETS WILL BE CLEANED AS DIRECTED BY THE CONSTRUCTION INSPECTOR AND ENGINEER TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM OR TO THE SITE WILL BE COVERED WITH A TARPULIN AT ALL TIMES.

**H. SANITARY WASTE**

FDOT STANDARD SPEC. FOR ROAD AND BRIDGE CONSTRUCTION" SECTION 7 - 6 "SANITARY PROVISIONS. "THE CONTRACTOR SHALL PROVIDE AND MAINTAIN, IN A NEAT AND SANITARY CONDITION, SUCH ACCOMMODATION FOR THE USE OF HIS EMPLOYEES AS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS AND REGULATIONS OF THE STATE AND LOCAL BOARDS OF HEALTH. COMMIT NO PUBLIC NUISANCE."

**I. HAZARDOUS WASTE**

THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE COUNTY IN WRITING IF ANY HAZARDOUS WASTE MATERIAL IS ENCOUNTERED DURING SITE INVESTIGATION OR CONSTRUCTION.

THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR NOTIFYING THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) WITHIN 24 HOURS OF THE DISCOVERY.

ALL HAZARDOUS WASTE MATERIALS, IF ENCOUNTERED, WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND FEDERAL REGULATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

IN CASE OF DISPOSING ANY HAZARDOUS WASTE MATERIAL FOLLOWING LOCAL, STATE, AND FEDERAL REGULATIONS, A COPY OF DISPOSAL MANIFEST HAS TO BE PROVIDED TO THE COUNTY IN TIMELY FASHION.

**J. APPROVED STATE, LOCAL PLANS, OR STORM WATER PERMITS**

NONE AT THE TIME OF PERMITTING

**PERMITTEE CERTIFICATION**

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

\_\_\_\_\_  
XXXX X. XXXXXXX, P.E., MANAGER  
DIVISION, PUBLIC WORKS, PINELLAS COUNTY. DATE

**CONTRACTOR CERTIFICATION**

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

\_\_\_\_\_  
GENERAL CONTRACTOR NAME & TITLE DATE

\_\_\_\_\_  
COMPANY NAME

\_\_\_\_\_  
COMPANY STREET ADDRESS

\_\_\_\_\_  
CITY, STATE, ZIP CODE

J:\ENR\FL\PinellasCounty\21464-GulfBeachWaterBoosterStation\_Drawings\CTV\F002150A-SVPP.dwg, Jan 31, 2025 - 7:23am

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

DESIGNED	M. HOFFMAN		PROJECT:	PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION:	STORMWATER POLLUTION PREVENTION NOTES I	 <p>800.422.1095   www.wright-pierce.com 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624 CERTIFICATE OF AUTHORIZATION#: 91267540</p>	PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DATE:	01-2025
DRAWN	D. METZ		CHECKED	W. NICKEL	PROJECT NO.	002150A			SHEET:	C-21
REV. NO.	DATE		DESCRIPTION	REV. BY						

**III. MAINTENANCE**

**A. ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES.**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTION AND MAINTENANCE OF ALL PERMANENT AND TEMPORARY EROSION CONTROL DEVICES THROUGHOUT ALL CONSTRUCTION PHASES OF THE PROJECT. MAINTENANCE SHALL BE IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, PINELLAS COUNTY "STANDARD TECHNICAL SPECIFICATIONS FOR ROADWAY AND RELATED CONSTRUCTION", AND THE PROJECT CONSTRUCTION CONTRACT.

**B. INSPECTION**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE PINELLAS COUNTY NPDES / SWPPP CONSTRUCTION INSPECTION REPORT AFTER ANY 1/2" RAINFALL OR WEEKLY, IF NO RAIN EVENT OCCURRED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAIN FALL. THE CONTRACTOR SHALL NOTIFY PINELLAS COUNTY DIVISION OF ENVIRONMENTAL MANAGEMENT OF ANY NON-COMPLIANCE PER SECTION 58-244 TO 246 OF THE PINELLAS COUNTY CODE. COUNTY INSPECTOR MAY INSPECT SITE FOR COMPLIANCE AT ANY TIME.

**C. NON-STORM WATER DISCHARGES**

IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES MAY OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

- WATER FROM WATER LINE FLUSHING
- PAVEMENT WASH WATERS (WHERE NO SPILL OR LEAKS OF VEHICLE AND HAZARDOUS MATERIALS HAVE OCCURRED)
- UNCONTAMINATED GROUNDWATER FROM DE-WATERING ACTIVITIES

ALL NON-STORM WATER DISCHARGES SHOULD BE CONTAINED ON SITE AND DIRECTED TO SEDIMENT TREATMENT BMPs. UNTREATED OFF SITE DISCHARGES WILL BE REPORTED TO THE COUNTY INSPECTOR AND PINELLAS COUNTY DIVISION OF ENVIRONMENTAL MANAGEMENT FOR FURTHER INVESTIGATION. IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, DEWATERING SHOULD CEASE IMMEDIATELY AND THE ENGINEER WILL BE CONTACTED.

**D. MATERIAL MANAGEMENT PRACTICES**

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

**1. THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON-SITE DURING THE CONSTRUCTION PROJECT.**

- STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB ON SITE.
- ALL MATERIALS STORED ON SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR ORIGINAL MANUFACTURER'S LABELED CONTAINERS UNDER A ROOF OR OTHER CONTAINED ENCLOSURE.
- SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- WHENEVER POSSIBLE, ALL OF A PRODUCT SHALL BE USED BEFORE DISPOSING OF THE CONTAINER. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED.
- THE SITE SUPERINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON-SITE.

**2. THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.**

- PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RE-SEALABLE.
- SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL OPENED CONTAINERS. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHALL BE KEPT ON-SITE ON THE CONSTRUCTION OFFICE TRAILER.
- IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS OR LOCAL STATE RECOMMENDED METHODS OF PROPER DISPOSAL SHALL BE FOLLOWED.
- THE CONTRACTOR MUST IDENTIFY A DESIGNATED FUEL TANK STORAGE AREA, AWAY FROM DRAINAGE STRUCTURES, PONDS, BASINS, AND WETLANDS, WITH SECONDARY CONTAINMENT (SPILL COLLECTION).

**3. CONCRETE TRUCKS**

- CONTRACTOR SHALL DESIGNATE AN AREA AWAY FROM DRAINAGE STRUCTURES, PONDS, BASINS, AND WETLANDS FOR DISCHARGE OF SURPLUS CONCRETE OR DRUM WASH WATER AND SHALL INSTALL A CONTAINMENT BERM AROUND THIS AREA TO PREVENT RUNOFF TO THE REMAINDER OF THE SITE.
- HARD DEBRIS SHALL BE DISPOSED OF BY CONTRACTOR UPON COMPLETION OF THE PROJECT.
- DISPOSAL OF CONCRETE SLURRY DIRECTLY INTO PUBLIC DRAINAGE SYSTEMS IS A VIOLATION OF THE "ILLEGAL DISCHARGE" PROVISION OF THE PINELLAS COUNTY LAND DEVELOPMENT CODE AND SECTION 58-244 OF THE PINELLAS COUNTY CODE.
- SECTION 58-239 OF THE PINELLAS COUNTY CODE AUTHORIZES PENALTIES OF UP TO \$10,000.00 FOR EACH OFFENSE.

**4. SPILL CONTROL PRACTICES**

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIALS MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP.

- MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION CLEANUP SUPPLIES.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
- THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.
- THE SPILL PREVENTION PLAN WILL BE PREPARED BY THE CONTRACTOR AND KEPT IN THE CONSTRUCTION OFFICE TRAILER AND WILL INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE ARE OTHERS. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED. ALL SPILLS AND RESPONSES WILL BE REPORTED TO THE APPROPRIATE AGENCY.
- THE SITE SUPERINTENDENT WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ON SITE.
- USE AND CHARACTERISTICS OF FUEL OR CHEMICAL STORAGE TANK ON SITE SHALL COMPLY WITH ALL RELATED FEDERAL, STATE, AND LOCAL REGULATIONS. STORAGE TANKS MUST BE LOCATED AS FAR AS POSSIBLE FROM ANY DRAINAGE STRUCTURES, DITCHES, AND/OR SURFACE WATERS. IN ADDITION, THE CONTRACTOR MUST PROVIDE A SECONDARY CONTAINMENT WITH A LINER CHEMICALLY RESISTANT TO THE FUEL OR CHEMICAL STORED ON SITE. THE SECONDARY CONTAINMENT MUST BE SIZED TO CONTAIN MINIMUM OF ONE AND A HALF TIME THE TOTAL CAPACITY OF STORAGE TANK BEING USED. CONTRACTOR HAS TO PROVIDE A DAILY INSPECTION LOG FOR THE SECONDARY CONTAINMENT WITH INDICATION OF DATE, INSPECTOR'S NAME AND INSPECTION REPORT. FURTHERMORE, ANY CONTAMINATION HAS TO BE IMMEDIATELY CONTAINED AND THE COUNTY INSPECTOR MUST BE NOTIFIED OF THE NATURE AND EXTEND OF THE CONTAMINATION.

**PERMITTEE CERTIFICATION**

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

\_\_\_\_\_  
 XXXX X. XXXXXXXX, P.E., MANAGER DATE  
 DIVISION, PUBLIC WORKS, PINELLAS COUNTY.

**CONTRACTOR CERTIFICATION**

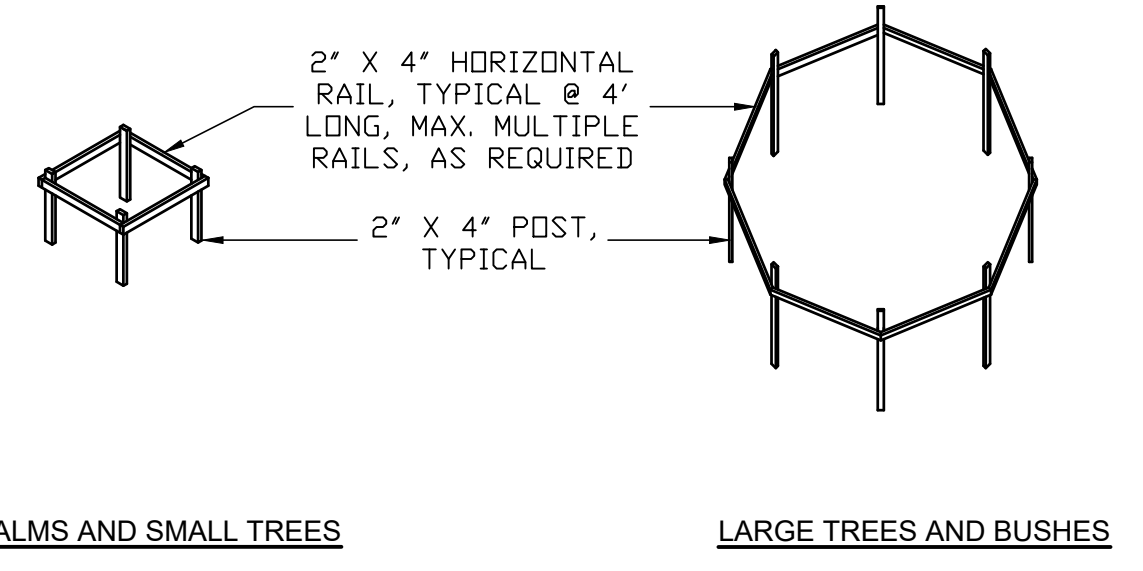
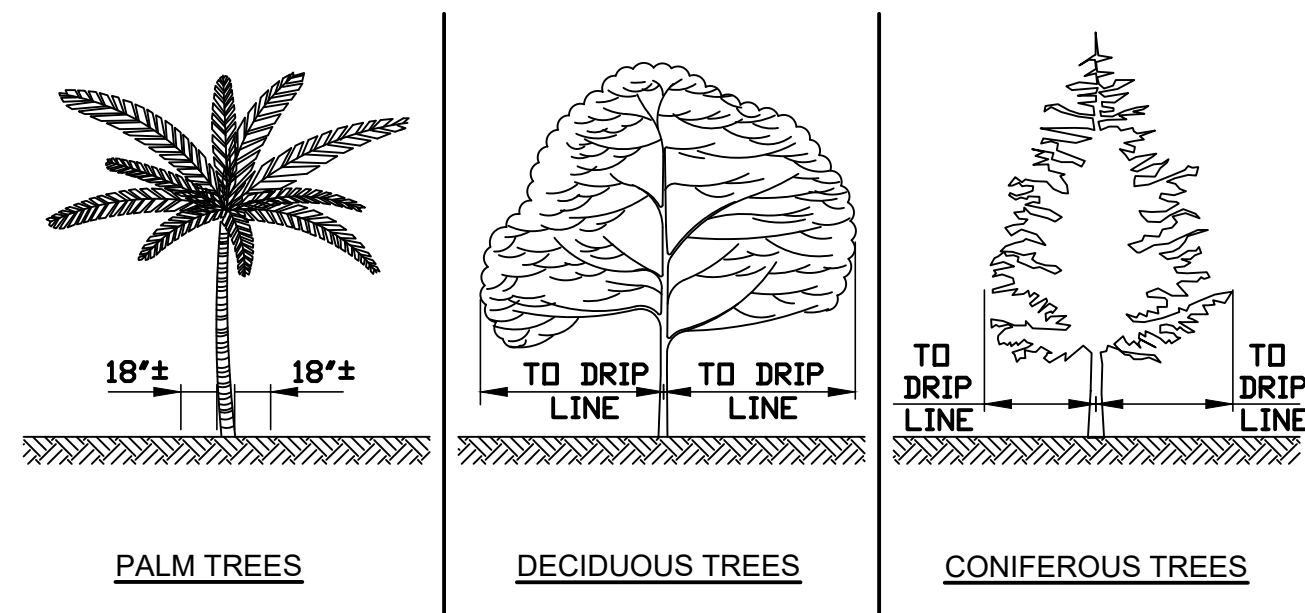
I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH , THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

\_\_\_\_\_  
 GENERAL CONTRACTOR NAME & TITLE DATE  
 \_\_\_\_\_  
 COMPANY NAME  
 \_\_\_\_\_  
 COMPANY STREET ADDRESS  
 \_\_\_\_\_  
 CITY, STATE, ZIP CODE

J:\ENGIN\FL\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CTV\002150A-SWPPP.dwg, Jan 31, 2025 - 7:23am

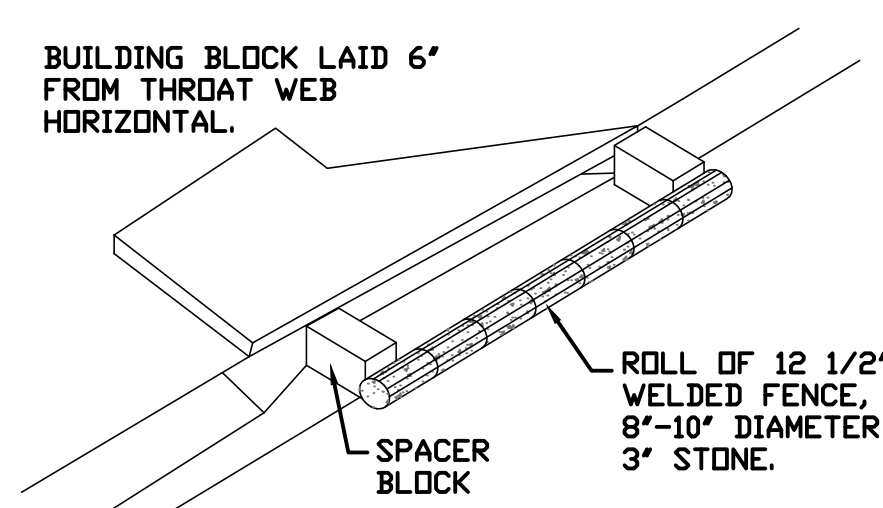
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

DESIGNED	M. HOFFMAN		PROJECT: PINELLAS COUNTY, FLORIDA GULF BEACH WATER BOOSTER STATION IMPROVEMENTS	DESCRIPTION: STORMWATER POLLUTION PREVENTION NOTES II	 800.422.1095   www.wright-pierce.com 3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624 CERTIFICATE OF AUTHORIZATION#: 91267540	PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.	DATE:	01-2025
DRAWN	D. METZ						PROJECT NO.	002150A
CHECKED	W. NICKEL						SHEET:	C-22
REV. NO.	DATE	DESCRIPTION	REV. BY					



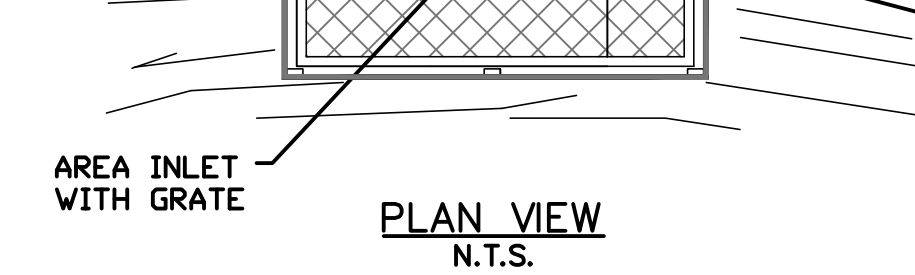
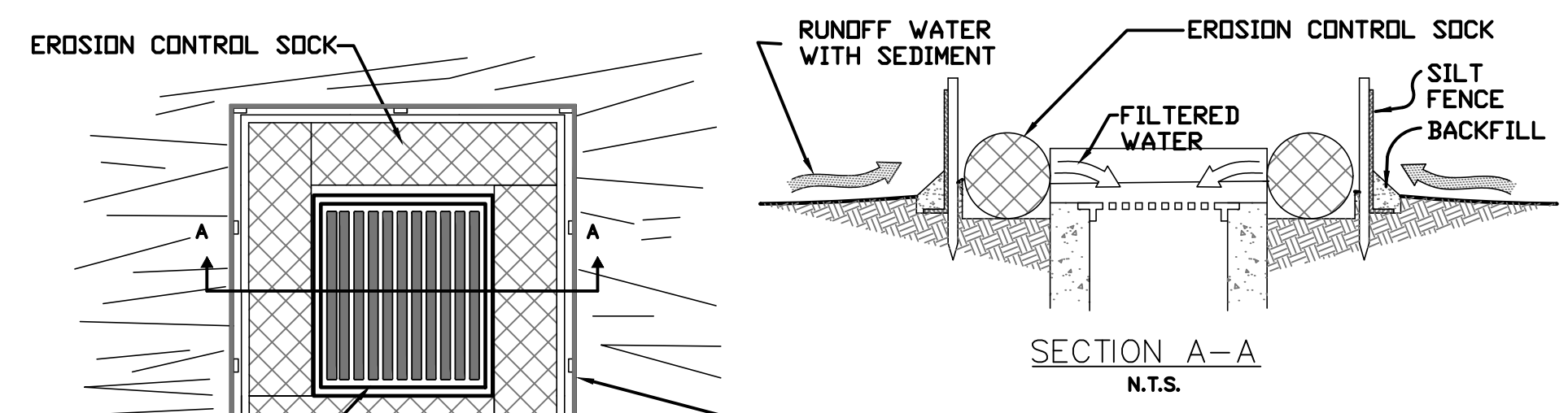
- NOTES:
- NO TRUCKS OR HEAVY EQUIPMENT ALLOWED WITHIN BARRIERS, ONLY HAND LABOR ALLOWED.
  - NO CONSTRUCTION MATERIALS, SOIL DEPOSITS, OR SOLVENTS SHALL BE ALLOWED WITHIN BARRIERS.
  - BARRIERS ARE TO BE IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN TREE AREA.
  - BARRIERS ARE TO STAY IN PLACE UNTIL ALL PAVING, CONSTRUCTION, AND HEAVY EQUIPMENT IS REMOVED FROM THE AREA.

**TREE PROTECTION BARRIERS DETAIL**  
NTS



- NOTES:
- FIBROUS FILLER MATERIAL IN FRONT OF BLOCK PREVENTS GRAVEL FROM WASHING INTO STRUCTURE.
  - 2"x4" BEHIND BLOCK AND ACROSS THROAT HELPS KEEP BLOCK IN PLACE. PLACE IN OUTER HOLE OF SPACER BLOCK.

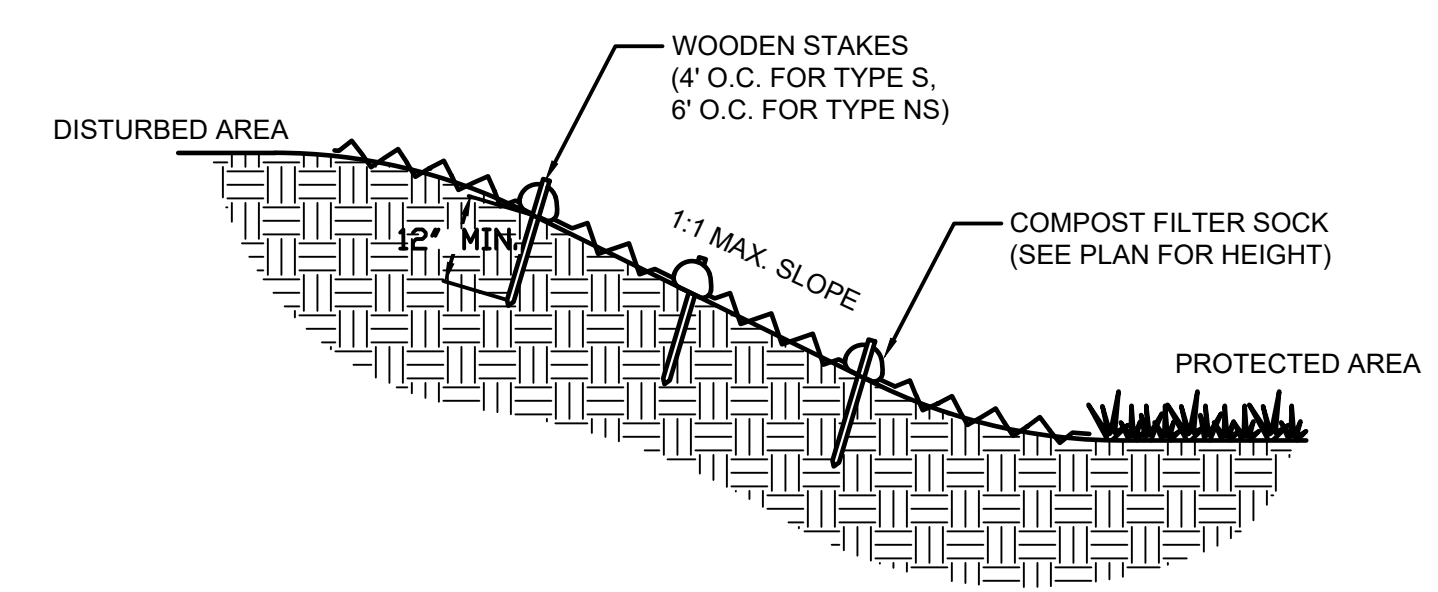
**CURB INLET FILTER SOCK**  
N.T.S.



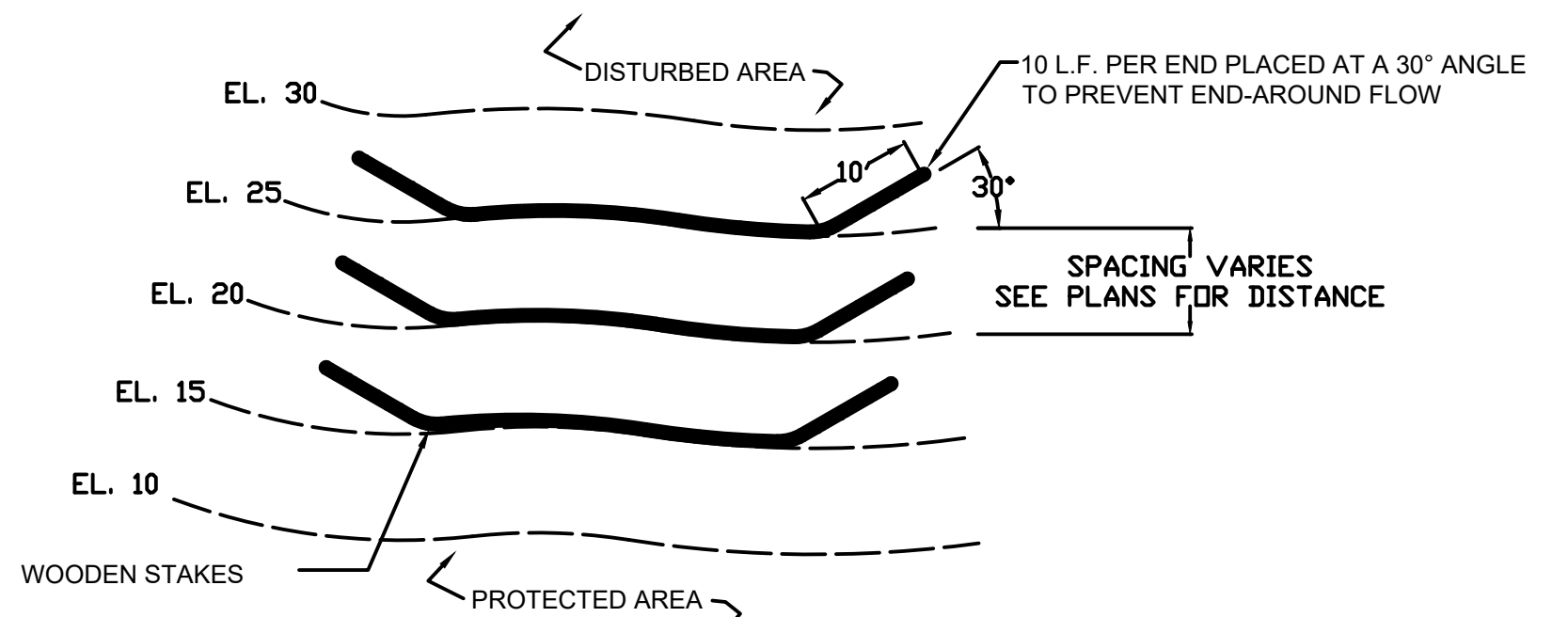
SILT FENCE IS TO BE INSTALLED AROUND SYNTHETIC BALES, SEE SILT FENCE (BELOW).

**PLAN VIEW**  
N.T.S.

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5%) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 CFS) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS STREET OR HIGHWAY MEDIANS.



**SECTION**  
NTS

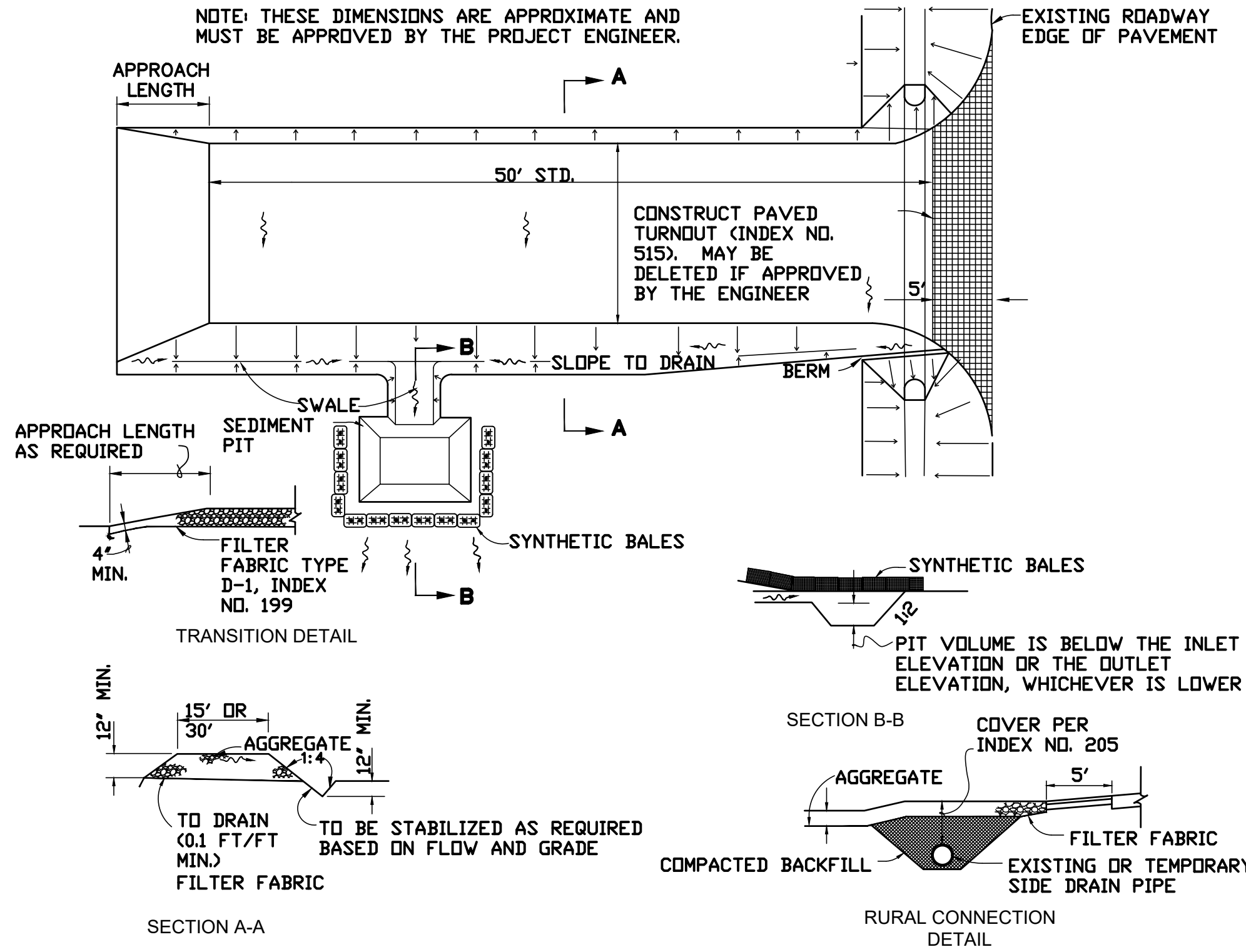


**PLAN**  
NTS

**SYNTHETIC BALES OR APPROVED BARRIERS**  
NTS

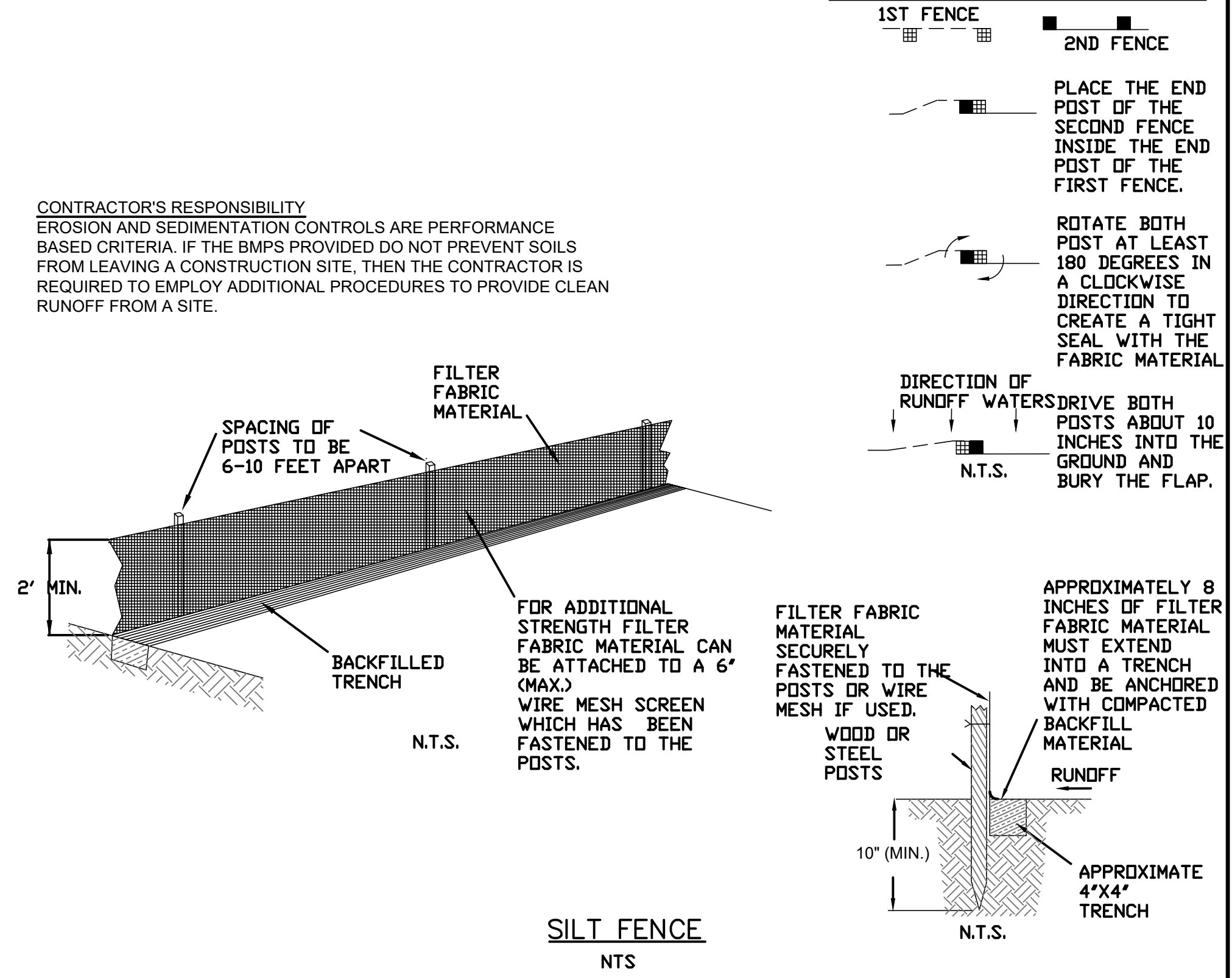
**SOIL TRACKING PREVENTION DEVICE NOTES**

- A SOIL TRACKING PREVENTION DEVICE (STPD) SHALL BE CONSTRUCTED AT LOCATIONS DESIGNATED BY THE ENGINEER FOR POINTS OF EGRESS FROM UNSTABILIZED AREAS OF THE PROJECT TO PUBLIC ROADS WHERE OFF SITE TRACKING OF MUD COULD OCCUR. TRAFFIC FROM UNSTABILIZED AREAS OF THE CONSTRUCTION PROJECT SHALL BE DIRECTED THROUGH STPD BARRIERS. FLAGGING, OR OTHER POSITIVE MEANS SHALL BE USED AS REQUIRED TO LIMIT AND DIRECT VEHICULAR EGRESS ACROSS THE STPD.
- THE CONTRACTOR MAY PROPOSE AN ALTERNATIVE TECHNIQUE TO MINIMIZE OFF SITE TRACKING OF SEDIMENT. THE ALTERNATIVE MUST BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO ITS USE.
- ALL MATERIALS SPILLED, DROPPED, OR TRACKED ONTO PUBLIC ROADS (INCLUDING THE STPD AGGREGATE AND CONSTRUCTION MUD) SHALL BE REMOVED DAILY, OR MORE FREQUENTLY IF SO DIRECTED BY THE ENGINEER.
- AGGREGATES SHALL BE DESCRIBED IN SECTION 901 EXCLUDING 901-2.3. AGGREGATES SHALL BE FDOT SIZE #1. IF THIS SIZE IS NOT AVAILABLE, THE NEXT AVAILABLE SMALLER SIZE AGGREGATE MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER. SIZES CONTAINING EXCESSIVE SMALL AGGREGATE WILL TRACK OFF THE PROJECT AND ARE NOT SUITABLE.
- THE SEDIMENT PIT SHOULD PROVIDE A RETENTION VOLUME OF 3600 CUBIC FEET/ACRE OF SURFACE AREA DRAINING TO THE PIT. WHEN THE STPD IS ISOLATED FROM OTHER DRAINAGE AREAS, THE FOLLOWING PIT VOLUMES WILL SATISFY THIS REQUIREMENT:  
15'X50'=100 FT<sup>3</sup>  
30'X50'=200 FT<sup>3</sup>  
AS AN OPTION TO THE SEDIMENT PIT, THE WIDTH OF THE SWALE BOTTOM CAN BE INCREASED TO OBTAIN THE VOLUME. WHEN THE SEDIMENT PIT OR SWALE VOLUME HAS BEEN REDUCED TO ONE HALF, IT SHALL BE CLEANED. WHEN A SWALE IS USED, SYNTHETIC BALES OR SILT FENCE SHALL BE PLACED ALONG THE ENTIRE LENGTH.
- THE SWALE DITCH DRAINING THE STPD SHALL HAVE A 0.2% MINIMUM AND A 1.0% MAXIMUM GRADE ALONG THE STPD AND TO THE SEDIMENT PIT.
- MITERED END SECTIONS ARE NOT REQUIRED WHEN THE SIDE DRAIN PIPE SATISFIES THE CLEAR ZONE REQUIREMENTS.
- THE STPD SHALL BE MAINTAINED IN A CONDITION THAT WILL ALLOW IT TO PERFORM ITS FUNCTION. TO PREVENT OFFSET TRACKING, THE STPD SHALL BE RINSED (DAILY WHEN IN USE) TO MOVE ACCUMULATED MUD DOWNWARD THROUGH THE STONE. ADDITIONAL STABILIZATION OF THE VEHICULAR ROUTE LEADING TO THE STPD MAY BE REQUIRED TO LIMIT MUD TRACKED.
- A STPD SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR SOIL TRACKING PREVENTION DEVICE, EA. THE UNIT PRICE SHALL CONSTITUTE FULL COMPENSATION FOR CONSTRUCTION, MAINTENANCE, REPLACEMENT OF MATERIALS, REMOVAL, AND RESTORATION OF THE AREA UTILIZED FOR THE STPD: INCLUDING BUT NOT LIMITED TO EXCAVATION, GRADING, TEMPORARY PIPE (INCLUDING M.E.S. WHEN REQUIRED), FILTER FABRIC, AGGREGATE, PAVED TURNOUT (INCLUDING ASPHALT AND BASE CONSTRUCTION), DITCH STABILIZATION, APPROACH ROUTE STABILIZATION, SEDIMENT REMOVAL AND DISPOSAL, WATER, RINSING AND CLEANING OF THE STPD AND CLEANING OF PUBLIC ROADS, GRASSING AND SOD. SYNTHETIC BALES SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR HAY OR STRAW BALE, EA. SILT FENCE SHALL BE PAID FOR UNDER THE CONTRACT UNIT PRICE FOR STAKED SILT FENCE, L.F.
- THE NOMINAL SIZE OF A STANDARD STPD IS 15'X50' UNLESS OTHERWISE SHOWN IN THE PLANS. IF THE VOLUME OF ENTERING AND EXITING VEHICLES WARRANT, A 30' WIDTH STPD MAY BE USED IF APPROVED BY THE ENGINEER. WHEN A DOUBLE WIDTH (30') STPD IS USED, THE PAY QUANTITY SHALL BE 2 FOR EACH LOCATION.



**SOIL TRACKING PREVENTION DEVICE TYPE A**  
NTS

**ATTACHING TWO SILT FENCES**

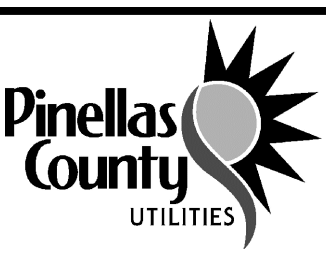


**SILT FENCE**  
NTS

J:\ENR\FL\PinellasCounty\21464-GulfBeachWaterBoosterStation\Drawings\CTV\F002150A-SWPP.dwg, Jan 31, 2025 - 7:23am

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

DESIGNED	M. HOFFMAN		
DRAWN	D. METZ		
CHECKED	W. NICKEL		
REV. NO.	DATE	DESCRIPTION	REV. BY



PROJECT:  
**PINELLAS COUNTY, FLORIDA  
GULF BEACH WATER BOOSTER  
STATION IMPROVEMENTS**

DESCRIPTION:  
**STORMWATER POLLUTION  
PREVENTION DETAILS**

**WRIGHT-PIERCE**  
800.422.1095 | www.wright-pierce.com  
3820 NORTHDALE BOULEVARD, SUITE 202B, TAMPA, FL 33624  
CERTIFICATE OF AUTHORIZATION#: 91267540

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

DATE:	01-2025
PROJECT NO.:	002150A
SHEET:	C-23