UTILITY PERMIT

PERMIT NO: 2024-H-194-00171

STATE ROAD INFORMATION

County:		Section:	State Road No:	Beginning Mile Post:	Ending Mile Post:		
Mana	atee		SR 64	0.355	1.581		
Builder make a join	t permit applicant,	l be identified in this Applica as prescribed in Section 2.1(a Box. A Utility Builder alo	ANT INFORMATION ant Information Box. When the 4) of the 2017 Utility Accommone cannot apply for a utility per Utility Builder	odation Manual (UAM), the	Utility Builder shall also bunty adding them as a join	be	
Name:	Manatee Co		Nam				
Contact Person:	Manatee Co		Contact Perso				
Address:		venue East	Addres				
City:	Bradenton		Cit				
State:	Florida		Stat	•			
Zip:	34208		Zi	p:			
Telephone:	(941) 708-7	450 ext	Telephon				
Email:	scott.may@	mymanatee.org	Ema	il:			
below and as depicted. The SR 64 relocating Bridge, out LF of 16" (installed Norizontal	WORK DESCRIPTION The Applicant(s) requests permission from the Florida Department of Transportation (FDOT) to construct, operate, and maintain the utilities as described below and as depicted in the incorporated documentation. The SR 64 (Manatee Avenue) Water Main Intracoastal Crossing project consists of relocating the 16" water main to the north side of the existing Manatee Avenue Bridge, outside of the proposed alignment. The proposed water main includes 2500 LF of 16" Class 350 DIP installed via Open Cut, 50 LF of 16" Class 350 DIP installed via Jack and Bore, and 3800 LF of 20" DR 9 HDPE installed via Horizontal Directional Drill. No dredging or discharge of fill material will occur. The pr (see work description cont. page) Utility Work No:						
	For F	DEP certification, the FDOT	agency report is attached in acc	ordance with UAM Section 2	2.4.1 (13) Yes 🗹 No [
TRAFFIC CONTROL (TCP)							
 ☑ The TCP will comply with the following 600 series index(es) 601, 602, 660 ☐ A TCP has been attached and incorporated into this permit application in compliance with UAM Section 2.4.2. 							
MOT Technician's contact information (may be supplied at the two (2) business day notification to FDOT): Name: Telephone Email:							

COMMENCEMENT OF WORK

The UAO and/or Utility Builder shall commence actual construction in good faith within sixty (60) calendar days after approval of the permit application. If the beginning date is more than sixty (60) calendar days from the date of approval, the UAO and/or Utility Builder must review the permit with the FDOT Approving Engineer listed to make sure no changes have occurred to the transportation facility that would affect the permit's continued approval. The UAO and/or Utility Builder shall make good faith efforts to expedite the work and complete the work within the calendar days indicated.

Anticipated Start Date: ____1/20/2025 Calendar days needed to completed: __670

Florida Department of Transportation

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APPI	LICANT SIGNATURE								
shown in plans and incorporated documents, in compliance with the instructions incorporated into this permit. The UAO and/or Utility laerial and underground, are accurately shown on the plans of the w	to construct, operate, and maintain the work as noted in the above Work Description, e UAM, all instructions noted in the FDOT Special Instructions Box, and special Builder declares, the location of all existing utilities that it owns or has an interest in, both ork areas. In accordance with UAM Section 2.8, the UAO and/or Utility Builder further other facilities within the work areas and that those listed below are the only facility sed work.								
Date Notified: Name of other facility owners (attach additional sheets if necessary).									
10/5/2023 Charter Spectrum									
10/5/2023 City of Bradenton Public	c Works								
10/5/2023 FPL									
10/5/2023 Frontier									
10/5/2023 MCI (Verizon)									
Utility Agency/Owner	Utility Builder (when applicable)								
7/4/0004									
Signature: MICHAEL STURM (digital signature) Date: 7/1/2024	Date:								
Name (printed): MICHAEL STURM	Name (printed):								
Title:	Title:								
FDOT PI	ROJECT INFORMATION								
1, 408185-3 This work is NOT related to an appro	oved Utility Work Schedule.								
FDOT SI	PECIAL INSTRUCTIONS								
notified (i.e. Phone and/or Email) a STARTING WORK and again immediately 4400, Email: curtis.vilt@dot.state.	w and attached special instructions into this permit. the Manatee Ops Permits Office is not a minimum of TWO (2) BUSINESS DAYS PRIOR TO upon COMPLETION OF WORK. Phone No: 941-708- fl.us. (Upon notifying provide: Permit Number, ral Scope and Timeframe of the Work)								
2. If LANE CLOSURE(S) for this Perm	it are required, the Permittee MUST (see								
Additional FI	OOT Special Instructions are attached and incorporated into this permit. Yes 🔲 No 🔽								
	RMIT APPROVAL								
	cility Builder to construct, operate, and maintain the utilities indicated in this Utility Permit becial instructions. Any changes to the approved work must be approved by the FDOT's in accordance with UAM Section 2.11.								
Approving Engineer: Curtis Vilt (digital signature)	Date: 11/12/2024								
Name: Curtis Vilt	DMITE								
Title: MAINTENANCE MANAGER/PE									
Notification of Utility Work to be provided to: Telephone	(941) 708-4447 ext or Email:curtis.vilt@dot.state.fl.us								
An FDOT Representative is	s required to be present on the worksite prior to commencement of work. Yes \(\square\) No \(\square\)								
Rep. Name: Telephone	Email: Annroyed								

Florida Department of Transportation

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CERTIFICATION

	ection 2.11, all changes have been app	d and inspected in compliance with the UAM all incorporated roved by the FDOT's Approving Engineer and incorporated changes, as-built plans or other required documentation.
I also CERTIFY that work began onathan when the work began.	and was completed on	and that the area was left in as good or better condition
Utility Agency/Owner		Utility Builder (when applicable)
Signature: Date		Date
Name (printed):	Name (printed)):
Title:	Title:	
The work was inspected and found to be in non-con	npliance as noted below:	
UAO and/or Utility Builder. However, this final insp to Rule 14-46.001, the UAM, all incorporated documents	pection does not release the UAO and/oments, and special instructions.	Thas no outstanding issues that need to be addressed by the or Utility Builder of their continuing responsibilities pursuant
FDOT Inspector:		<u> </u>
Name:		
Title:		

PERMIT NO. : 2024-H-194-00171							
The complete Work Description could not fit in the space allotted on Page 1 of the Utility Permit	so it is displayed below.						
Work Description							
The SR 64 (Manatee Avenue) Water Main Intracoastal Crossing project consists of relocating the 16" water main to the north side of the existing Manatee Avenue Bridge, outside of the proposed alignment. The proposed water main includes 2500 LF of 16" Class 350 DIP installed via Open Cut, 50 LF of 16" Class 350 DIP installed via Jack and Bore, and 3800 LF of 20" DR DIP installed via Horizontal Directional Drill. No dredging or discharge of fill material will occur. The project also includes emoval of 3050 LF of existing buried water main and 1570 LF of existing water main on bridge deck.							
	Approved 2024-H-194-0017						

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STATE ROAD INFORMATION:	
STATE ROAD IN CRIMATION.	
NAME OF OTHER FACILITY OWNERS / DATE NOTIFIED:	
Facility Name: TECO/Peoples Gas, Date Notified: 10/5/2023	
FDOT PROJECT INFORMATION:	
FDOT construction is proposed or underway. Refer to Financial Project Id: 440237-1, 408185- This work is NOT related to an approved Utility Work Schedule.	-3
This work is NOT related to an approved Office Work Schedule.	
THE WORK WAS INSPECTED AND FOUND TO BE IN NON-COMPLIANCE AS NOTED BELOW:	
	Approved
	Approved 2024-H-194-0017
	2024-H-194-0017

PERMIT NO.: 2024-H-194-00171

The complete special instructions could not fit in the space allotted on Page 2 of the Utility Permit so they are displayed below.

Special FDOT Instructions

- 1. Permit shall be rendered void if the Manatee Ops Permits Office is not notified (i.e. Phone and/or Email) a minimum of TWO (2) BUSINESS DAYS PRIOR TO STARTING WORK and again immediately upon COMPLETION OF WORK. Phone No: 941-708-4400, Email: curtis.vilt@dot.state.fl.us. (Upon notifying provide: Permit Number, Contact Information, Location, General Scope and Timeframe of the Work)
- 2. If LANE CLOSURE(S) for this Permit are required, the Permittee MUST notify the Department (Valerie Everts, Phone No: 941-708-4433, Email: valerie.everts@dot.state.fl.us) two (2) weeks prior to starting the LANE CLOSURE(S) to inform the motoring public. FAILURE TO COMPLY WILL RESULT IN DELAY TO START WORK.
- 3. If Permit work is being proposed during a FDOT Construction project, it will be the RESPONSIBILITY OF THE PERMITTEE TO COORDINATE with the FDOT's contractor.
- 4. All portions of disturbed ROW shall be restored with sod within seventy-two (72) hours of completion of work.
- 5. Your project falls within the limits of the Manatee County Advanced Traffic Management System (ATMS). The Manatee County ATMS is owned and operated by the FDOT while the County maintains the system as part of the Traffic Signal Maintenance and Compensation Agreement. The ATMS infrastructure within this project's limits includes underground fiber optic communication infrastructure along SR 64. The PDF file attached to this comment shows the approximate location of the existing ATMS underground infrastructure. Based on the permit plans, it appears this project will be removing underground infrastructure near the existing ATMS infrastructure. It is the responsibility of this project's contractor to avoid conflicts with the existing underground ATMS infrastructure by, at minimum, locating the facilities prior to removing the existing underground infrastructure. Any impacts to the existing ATMS infrastructure that were not identified in this review are the responsibility of the permittee to resolve within this project.

Approved 2024-H-194-0017 Curtis Vilt

CONSTRUCTION PLANS

FOR

SR 64 (MANATEE AVENUE) WATER MAIN INTRACOASTAL CROSSING

MANATEE COUNTY, FLORIDA AUGUST 2024 MANATEE COUNTY PROJECT #6093170 FINANCIAL PROJECT ID 408185-3-52-01

PROJECT TEAM:

MANATEE COUNTY 1022 26TH AVE. E. BRADENTON, FL 34208 CONTACT: ANITA WANG, P.E. 941-708-7450 EXT. 7220

KIMLEY-HORN AND ASSOCIATES, INC. 200 CENTRAL AVE., SUITE 600 ST. PETERSBURG, FL 33701 CONTACT: JORDAN WALKER, P.E. 727-308-4320

SURVEYOR:

RUSSELL P. HYATT, P.S.M. NO.: 5303

HYATT SURVEY SERVICES, INC.

2012 LENA ROAD BRADENTON, FL 34211

CERTIFICATE OF AUTHORIZATION: 7203

UTILITY CONTACTS:

COMPANY

CITY OF BRADENTON

FRONTIER MCI (VERIZON)

MANATEE COUNTY (IT) MANATEE COUNTY TRAFFIC OPERATIONS

SPECTRUM TECO/PEOPLES GAS

MANATEE COUNTY UTILITIES

TRANSPORTATION STATISTICS OFFICE

CONTACT

KIM CLAYBACK, P.E. **BRIAN GARVER DENISE HUTTON**

ANDY COLE BILL KERSEY MUKUNDA GOPALAKRISHNA

DAVID BRANNING PATRICK PISTNER

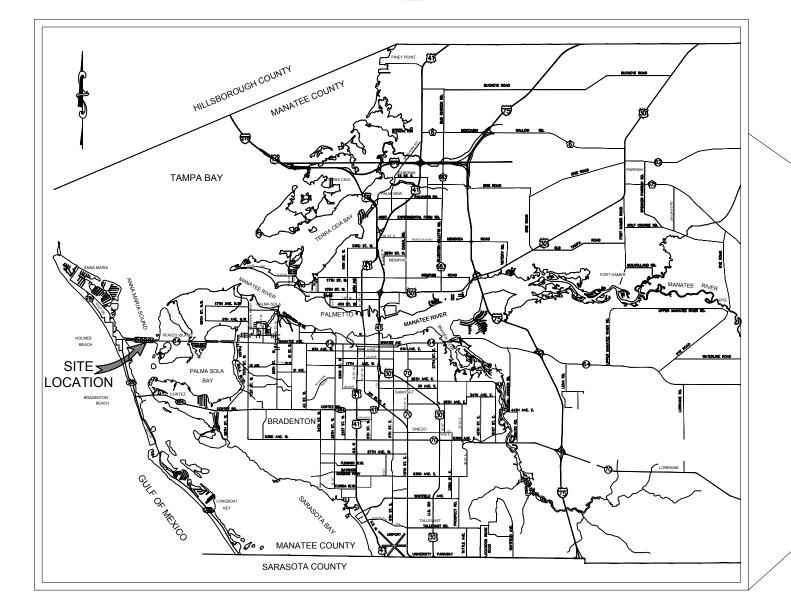
ALEX MCFARLANE

TELEPHONE NUMBER

941-708-6300 EXT. 224 239-231-9471 941-906-6722

813-847-4037 941-748-4501 EXT. 5083 941-749-3500 EXT. 7859 941-708-7450 EXT. 7662

941-737-5159 813-275-3765 850-921-7300





100% SUBMITTAL

FDOT PERMIT #2024-H-194-00171 MILE POSTS 0.355-1.581

PREPARED BY

THE SITE CONSTRUCTION STAKEOUT SHALL BE PERFORMED UNDER THE DIRECTION OF A FLORIDA REGISTERED SURVEYOR. AUTOCAD FILES WILL BE FURNISHED TO AID IN THE SITE CONSTRUCTION STAKEOUT. ANY DISCREPANCIES FOUND BETWEEN AUTOCAD FILES AND SITE CONSTRUCTION PLANS SHALL BE BROUGHT TO

SHEET LIST

COVER SHEET

GENERAL NOTES

PLAN AND PROFILE [103+00 - 108+00]) PLAN AND PROFILE [108+00 - 113+00]

PLAN AND PROFILE [113+00 - 118+00]

PLAN AND PROFILE [118+00 - 123+00]

PLAN AND PROFILE [123+00 - 128+00]

PLAN AND PROFILE [138+00 - 143+00] PLAN AND PROFILE [143+00 - 148+00]

PLAN AND PROFILE [148+00 - 153+00] PLAN AND PROFILE [153+00 - 158+00]

PLAN AND PROFILE [158+00 - 163+00] PLAN AND PROFILE [163+00 - 168+00]

DRILL PLAN

MAINTENANCE OF DRILL PLAN

MAINTENANCE OF DRILL PLAN - LAY DOWN AREA

STORM WATER POLLUTION PREVENTION PLAN

WEST SECTION VIEWS

EAST SECTION VIEWS

EAST SECTION VIEWS

DETAILS

DETAILS

11/12/2024

Sheet Number

17

18

21

22

23

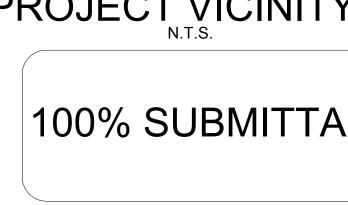
24

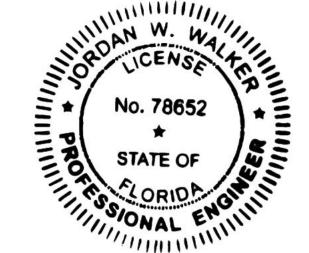
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28

	E ENGINEER'S ATTENTION FOR CLARIFICATION		, (1			DATE
				THIS DOCUMENT IS PROTECTED BY SECTION 106 OF THE "UNITED STATES COPYRIGHT ACT". REPRODUCTION OR ALTERATION OF THIS DOCUMENT OR THE INFORMATION OF		AUGUST 2024 PROJECT NO. 148400098
				CONTAINED HEREON BY ANY MEANS WHATSOEVER IS STRICTLY PROHIBITED WITHOUT THE PRIOR WRITTEN CONSENT OF KIMLEY-HORN AND ASSOCIATES, INC. CONSENT IS HEREBY GRANTED SPECIFICALLY TO GOVERNMENTAL AGENCIES TO REPRODUCE THIS	JORDAN WALKER, PE FLORIDA LICENSE NUMBER:	SHEET NUMBER Approved
No	. REVISIONS	DATE	BY	DOCUMENT IN COMPLIANCE WITH F.S. CHAPTER 119.	78652 ZUI	Curtis Vilt





THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY

JORDAN WESLEY WALKER, P.E. NO. 78652

ON THE DATE ADJACENT TO THE SEAL

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

RESULTING FROM HIS VIOLATION OF ANY REGULATIONS OR PERMIT CONDITIONS. AND VALVE BOXES SHALL BE ADJUSTED TO FINAL GRADE ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE PROJECT MANAGEMENT DIVISION. 13. MILLING AND RESURFACING SHALL BE ACCOMPLISHED DURING THE OFF-PEAK HOURS. THE PROJECT MANAGER IS: ANITA WANG, P.E. AND CAN BE REACHED AT (941) 708-7450 X7220 35. CONTRACTOR SHALL PROVIDE PROTECTIVE MATTING, FUEL CONTAINMENT AND ALL OTHER MATERIALS, EQUIPMENT AND LABOR TO 66. PROPOSED FILL SHALL BE CLEAN FILL, FREE OF DEBRIS AND TOXIC OR DELETERIOUS SUBSTANCES. PROTECT THE STAGING AREA DURING CONSTRUCTION. 14. THE CONTRACTOR IS RESPONSIBLE TO RETIME THE TRAFFIC SIGNALS WITHIN THE PROJECT LIMITS (INCLUDING LIMITS OF WORK 2. IF THE CONTRACTOR WANTS A SITE VISIT PRIOR TO BIDDING, THESE SHALL BE ARRANGED THROUGH THE COUNTY'S PURCHASING ZONE TRAFFIC CONTROL) THAT ARE POTENTIALLY AFFECTED DURING VARIOUS PHASES OF CONSTRUCTION. COORDINATE ALL 36. CONTRACTOR SHALL. PRIOR TO BEGINNING CONSTRUCTION, SUBMIT A "FUELING SPILL PREVENTION PLAN" THAT SHALL CLEARLY SIGNAL RETIME EFFORTS MUKUNDA GOPLALAKRISHNA, P.E., PTOE, COUNTY TRAFFIC ENGINEER, AT 941-749-3500, EXT. 7813. INDICATE HOW FUEL SPILLS WILL BE PREVENTED WHEN FUELING BOTH WITHIN AND OUTSIDE OF THE STAGING AREA. 67. THE EXHAUST SYSTEM OF ALL GASOLINE AND DIESEL ENGINES SHALL BE EQUIPPED WITH MUFFLERS THAT MEET THE EQUIPMENT 3. ALL CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF MANATEE COUNTY PUBLIC WORKS MANUFACTURER'S REQUIREMENTS FOR NOISE SUPPRESSION. THE CONTRACTOR SHALL INSTALL NOISE ABATEMENT BAFFLES 15. CONTRACTOR TO MAINTAIN VEHICLE DETECTION IN OPERATION FOR LANES THAT WILL REMAIN OPEN. CONTRACTOR TO STANDARDS UTILITIES STANDARDS MANUAL AND HIGHWAY & TRAFFIC STANDARDS MANUAL AND/OR FDOT "STANDARD REVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION POSITIONED TO BREAK LINE-OF-SITE FROM THE NOISE SOURCE TO AFFECTED RESIDENCES. . IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL AND PREVENT EROSION AND THE TRANSPORTATION OF SEDIMENT TO COORDINATE ALL VEHICLE DETECTION ISSUES WITH AARON BURKETT OF MANATEE COUNTY AT 941-708-7509 OR SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" UNLESS OTHERWISE INDICATED ON THE PLANS. AARON.BURKETT@MYMANATEE.ORG SURFACE DRAINS AND OUTFALLS USING BEST MANAGEMENT PRACTICES. REFER TO CONSTRUCTION PLANS. DETAILS. 68. NO MATERIAL SHALL BE STOCKPILED IN ROADWAYS. ALL DIRT AND DEBRIS SHALL BE REMOVED FROM THE JOB SITE DAILY. ROADS 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CONDITIONS AND REQUIREMENTS OF ALL PERMITS AND ALL SPECIFICATIONS AND APPROVED PERMITS FOR DETAILS. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN THEY REACH ONE HALF SHALL BE SWEPT DAILY AS PART OF DAILY CLEAN UP. GOVERNING FEDERAL, STATE, AND LOCAL AGENCIES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS THAT THE HEIGHT ON AN EROSION DEVICE OR AS DIRECTED BY THE ENGINEER. 16. MAINTENANCE OF TRAFFIC AND ANY SIGNAL RETIMING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ARE NOT PROVIDED IN THE BID DOCUMENTS, AT NO ADDITIONAL COST TO THE OWNER. 38. DURING THE CONSTRUCTION OF DRAINAGE STRUCTURES, AND OTHER STRUCTURES REQUIRING EXCAVATION, THE CONTRACTOR 69. THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING OR OTHER METHODS AS 17. ANY SIGNAL RETIMING REQUIRED FOR THE INTERSECTIONS IMPACTED BY THE PROJECT WILL BE THE RESPONSIBILITY OF THE THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF SHALL PLACE APPROVED BARRIERS OR OTHER APPROVED DEVICES AROUND SUCH STRUCTURES TO PREVENT EROSION AND THE CONTRACTOR. SIGNAL TIMING MODIFICATIONS TO BE SUBMITTED TO MANATEE COUNTY TRAFFIC DESIGN, ATTENTION MR. MUKUNDA THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO MIGRATION OF SEDIMENT TO POINTS OUTSIDE THE CONSTRUCTION AREA. THE APPROVED BARRIERS OR OTHER APPROVED DEVICES GOPALAKRISHNA FOR REVIEW AND APPROVAL AT LEAST 15 WORKING DAYS BEFORE PROPOSED CHANGES. THIS DOES NOT GOVERN BIDDING, TO CONDUCT WHATEVER INVESTIGATION THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS SHALL BE PLACED IN ACCORDANCE WITH REQUIREMENTS OF FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL 70. INGRESS AND EGRESS TO ALL THE PROPERTIES IN THE CONSTRUCTION AREA SHALL BE MAINTAINED AT ALL TIMES. EMERGENCY SITUATIONS. PENDING THE APPROVAL OF THE ENGINEER. REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED. INSPECTOR'S MANUAL, 2008, STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, LATEST EDITION OR AS DIRECTED BY THE ENGINEER. 71. PRIOR APPROVAL WILL BE REQUIRED FOR REMOVAL OR TRIMMING OF ANY TREE WITHIN THE CONSTRUCTION AREA. 18. A DETAILED MAINTENANCE OF TRAFFIC PLANS ARE TO BE SUBMITTED TO MANATEE COUNTY AND THE ENGINEER, BY THE THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS ON THE PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY CONTRACTOR, FOR REVIEW AND APPROVAL A MINIMUM OF 21 WORKING DAYS PRIOR TO PROPOSED IMPLEMENTATION. AFFECT CONSTRUCTION. SHOULD DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO OBTAIN THE 39. REQUIRED EROSION CONTROL MEASURES MUST REMAIN INTACT THROUGHOUT CONSTRUCTION. FAILURE TO INSTALL OR PROPERLY 72. THE CONTRACTOR SHALL PROVIDE ALL DEWATERING EQUIPMENT NECESSARY TO KEEP ALL EXCAVATIONS DRY. DEWATERING IS ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH CONSTRUCTION. MAINTAIN REQUIRED EROSION CONTROL WILL RESULT IN ENFORCEMENT ACTION, ALL EROSION CONTROL MEASURES, SAND, SILT, REQUIRED TO 18" BELOW TRENCH BOTTOM. 19. PRIOR TO COMMENCING WORK, CONTRACTOR SHALL RECEIVE APPROVAL FOR A COUNTY RIGHT-OF-WAY PERMIT. CONTACT MATT AND DEBRIS SHALL BE REMOVED FROM ALL DRAINAGE PIPES AND STRUCTURES AFTER CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO COUNTY FINAL WALK-THROUGH MERUCCI AT MATT.MERUCCI@MYMANATEE.ORG OR 941-708-7450 EXT 7342 FOR PERMIT APPLICATION. PERMIT FEES WILL BE WAIVED THE CONTRACTOR SHALL NOTIFY SUNSHINE 811 (1-800-432-4770) AT LEAST 2 FULL BUSINESS DAYS PRIOR TO CONSTRUCTION OPERATIONS. THE 73. ALL PIPING AND FITTINGS USED ON THIS PROJECT SHALL BE AS NOTED ON THE PLANS AND IN THE CONTRACT DOCUMENT AND SHALL FOR ALL COUNTY CAPITAL IMPROVEMENT PROJECTS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL UTILITIES FOR THE POSSIBLE RELOCATION OR THE TEMPORARY MOVEMENT OF ANY EXISTING UTILITIES WITHIN THE RIGHTS-OF-WAY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT 40. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SILT/TURBIDITY BARRIERS TO CONTROL EROSION AND SEDIMENT FROM TAKING BE INSTALLED TO THE LINES AND GRADES SHOWN ON THE PLANS AND PROFILES. PLACE OUTSIDE THE PROJECT LIMITS. THE SILT/TURBIDITY BARRIERS SHALL BE PLACED IN ACCORDANCE WITH REQUIREMENTS OF EXISTING UTILITIES FROM DAMAGE. EXPLORATORY EXCAVATION MAY BE REQUIRED PRIOR TO CONNECTION TO EXISTING UTILITIES. 20. THE CONTRACTOR SHALL MAINTAIN TEMPORARY VEHICLE DETECTION ON ALL APPROACHES THROUGHOUT CONSTRUCTION UNTIL FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL, CURRENT EDITION. THROUGHOUT THE 74. ALL PIPE SHALL BE COLOR CODED TO CONFORM TO MANATEE COUNTY STANDARDS. MANATEE COUNTY ACCEPTS THE PROJECT. ANY DAMAGE TO THE EXISTING DETECTION SYSTEM AT AN INTERSECTION MUST BE DURATION OF THE PROJECT AND ALL ASPECTS OF CONSTRUCTION, ALL DAMAGED OR INEFFECTIVE EROSION CONTROL DEVICES NO WORK, EXCEPT FOR EMERGENCY TYPE, SHALL BE PERFORMED AFTER 7:00 PM AND BEFORE 7:00 AM. FOR ADDITIONAL PROJECT RESTORED WITHIN TWENTY-FOUR (24) HOURS AT NO ADDITIONAL COST TO THE COUNTY. MANATEE COUNTY TRAFFIC OPERATIONS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE COUNTY. RESTRAINTS, REFER TO SECTION 01310 OF THE SPECIFICATIONS. DIVISION WILL ASSIST AS NEEDED WHENEVER POSSIBLE. 75. ALL FITTINGS FOR PRESSURE CLASS-RATED PIPE SHALL BE RESTRAINED DUCTILE IRON. FITTINGS AND PIPE JOINTS SHALL BE RESTRAINED PER THE DETAILS IN THE PLANS. 41. EROSION CONTROL PLAN - THE EROSION CONTROL PLAN IS FOR GENERAL GUIDANCE. CONTRACTOR SHALL PROVIDE AN EROSION THE CONTRACTOR SHALL PROVIDE CERTIFIED RECORD DRAWINGS AS OUTLINED IN THE SPECIFICATIONS. RED-LINE DRAWINGS 21. THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIGNAL MAINTENANCE, TIMING AND OPERATION OF ANY AND ALL CONTROL PLAN THAT IS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REPRESENTING THE CONTRACTOR FOR REVIEW AND SHALL BE CURRENT WITH EACH PAY APPLICATION SUBMITTED AND WILL BE CHECKED AS PART OF THE PAY APPLICATION REVIEW SIGNALS AND SIGNAGE FROM THE COMMENCEMENT TO THE ACCEPTANCE OF THE PROJECT (I.E.: EXISTING LOOPS CUT, SYSTEM 76. WHERE IT IS NECESSARY TO DEFLECT PIPE EITHER HORIZONTALLY OR VERTICALLY, PIPE DEFLECTION SHALL NOT EXCEED 75% OF APPROVAL BY THE COUNTY AND THE PERMITTING AGENCY. ANY MODIFICATIONS TO THIS PLAN MUST BE SIGNED AND SEALED BY A PROCESS. PAYMENT WILL NOT BE MADE TO CONTRACTOR WITHOUT APPROVED RED-LINE DRAWINGS. THE MOST CURRENT SET OF COMMUNICATION TERMINATED, LANE OR PAVEMENT MODIFICATIONS, PEDESTRIAN MODIFICATIONS, TRAFFIC SIGNAL SCHOOL PROFESSIONAL ENGINEER REPRESENTING THE CONTRACTOR. THESE MODIFICATIONS MUST BE APPROVED BY THE COUNTY AND THE MANUFACTURER'S MAXIMUM ALLOWABLE RECOMMENDED DEFLECTION. RED-LINE DRAWINGS SHALL ALSO BE BROUGHT TO EACH MONTHLY PROGRESS MEETING. FLASHER, WARNING FLASHER, ROADWAY LIGHTING, COUNT STATIONS, AND ANY OTHER TRAFFIC RELATED DEVICE LOCATED WITHIN THE PERMITTING AGENCY. NO CONTRACT DELAYS WILL BE ALLOWED FOR SUCH MODIFICATIONS OR APPROVALS. THE CONSTRUCTION ZONE). MANATEE COUNTY WILL ASSIST IN PROVIDING EXISTING SYSTEM TIMES WHEN POSSIBLE. 10. THE CONTRACTOR SHALL INCLUDE IN HIS BID:DEWATERING PUMPING EQUIPMENT, PUMPS, FITTINGS, LABOR, ETC. AS NECESSARY 77. ALL ROCKS OR STONES LARGER THAN SIX INCH DIAMETER SHALL BE REMOVED FROM THE BACKFILL MATERIAL. BACKFILL MATERIAL BASED ON METHOD AND SEQUENCE OF CONSTRUCTION TO COMPLETE ALL WORK WHILE MAINTAINING SEWER SERVICE OPERATIONS RIGHT-OF-WAY PLACED WITHIN ONE FOOT OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN TWO INCH DIAMETER. 2. ALL CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO WITHIN THE PERICO ISLAND/HOLMES BEACH/FDOT/MANATEE COUNTY COORDINATE ALL LIFT STATION SHUT DOWNS WITH NICK WAGNER, 941-792-8811 X 5377 OR NICK.WAGNER@MYMANATEE.ORG RIGHT-OF-WAY AND/OR EASEMENTS SHOWN ON THE DRAWINGS 78. ONLY MANATEE COUNTY UTILITY OPERATIONS STAFF ARE AUTHORIZED TO OPERATE VALVES AND PUMP STATIONS ON COUNTY 11. THE CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER WITH A DETAILED CONSTRUCTION PHASING PLAN BASED ON THE OWNED AND MAINTAINED UTILITY SYSTEMS. 2. CONTRACTOR SHALL ABIDE BY ALL CITY OF BRADENTON BEACH REGULATIONS AND RULES TO INCLUDE, BUT NOT LIMITED TO, 43. THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO REFERENCE AND RESTORE CONNECTION SEQUENCING ON THE MAINTENANCE OF DRILL PLAN. FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION. WORK HOURS, CITY HOLIDAYS, NOISE REGULATIONS, TRAFFIC CONTROL, AND PROPERTY ACCESS. ANY VARIATION FROM PROPERTY CORNER MONUMENTS, PINS, AND LANDMARKS THAT MAY BE DISTURBED BY CONSTRUCTION AT NO ADDITIONAL COST TO THESE STANDARDS MUST BE APPROVED IN WRITING BY THE CITY OF BRADENTON BEACH IN ADVANCE. CONTRACTOR SHALL 79. CONSTRUCTION DEWATERING SHALL BE CONDUCTED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS 12. ALL PROPOSED WORK SHALL BE COORDINATED WITH MANATEE COUNTY UTILITIES DEPARTMENT AT LEAST TWO WEEKS IN ADVANCE APPLY FOR A RIGHT-OF-WAY PERMIT WITH THE CITY OF BRADENTON BEACH PRIOR TO STARTING CONSTRUCTION. INCLUDING BUT NOT LIMITED TO CHAPTERS 62-621.300 AND 62-620 OF THE FLORIDA ADMINISTRATIVE CODE (FAC). OF PROPOSED CONSTRUCTION. 44. THE CONTRACTOR, PRIOR TO CONSTRUCTION AND RESTRICTING ANY TRAFFIC, MUST OBTAIN A RIGHT-OF-WAY USE PERMIT AND A 3. CONTRACTOR SHALL MAINTAIN VEHICULAR/PEDESTRIAN TRAFFIC ACCESS TO COMMERCIAL PROPERTIES AND ASSOCIATED 80. ALL TEST POINT PIPING SHALL BE CUT LOOSE FROM THE CORPORATION STOP AND COMPLETELY REMOVED AND DISPOSED OF BY TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM OTHER GOVERNMENTAL AGENCIES 13. THE CONTRACTOR SHALL FURNISH SHOP DRAWINGS CONFORMING TO MANATEE COUNTY'S LATEST STANDARDS, TO THE ENGINEER PARKING LOTS, AND TO RESIDENTIAL PROPERTIES DURING CONSTRUCTION. THE CONTRACTOR PRIOR TO FINAL ACCEPTANCE. A CORPORATION STOP PLUG SHALL BE INSTALLED AND THE CORPORATION STOP HAVING RELEVANT JURISDICTION, ALL MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE FOR REVIEW OF ALL PIPE CONNECTIONS, TRANSITIONS, AND SPECIAL APPURTENANCES PRIOR TO FABRICATION OR DELIVERY TO SHALL REMAIN IN PLACE. APPLICABLE REQUIREMENTS OF THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD PLANS FOR ROAD 4. CONTRACTOR SHALL COORDINATE DIRECTLY WITH THE COUNTY PUBLIC OUTREACH MANAGER AND APPROVED COUNTY CONSTRUCTION MAINTENANCE OF TRAFFIC" INDEX 102-600 THROUGH 102-680. A TRAFFIC CONTROL PLAN SHALL BE SUPPLIED BY THE CONSULTANTS TO ADDRESS ANY COMPLAINTS 14. UNLESS OTHERWISE INDICATED OR APPROVED, ALL BELOW GROUND DUCTILE IRON PIPE SHALL HAVE PUSH-ON OR MECHANICAL CONTRACTOR AT THE PRE-CONSTRUCTION MEETING, PER SPECIFICATIONS 01570. 81. FIELD CONDITIONS MAY NECESSITATE MINOR ALIGNMENT AND GRADE DEVIATION OF THE PROPOSED UTILITIES TO AVOID JOINTS, AND ALL ABOVE GROUND DUCTILE IRON PIPE SHALL HAVE FLANGED JOINTS. ALL JOINTS SHALL BE FULLY RESTRAINED PER 5. DOOR HANGERS SHALL BE PROVIDED TO ALL NEIGHBORS/BUSINESSES AFFECTED BY CONSTRUCTION AT LEAST 48 HOURS IN 45. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED STORM WATER STRUCTURES. PIPING, ENTRANCE PIPE ADVANCE. DOOR HANGERS SHALL PROVIDE INFORMATION ON ESTIMATED DAYS OF IMPACT AND MITIGATION EFFORTS. AND HEADWALLS WHETHER SHOWN ON THE PLANS OR NOT. THE HEADWALLS SHALL BE REPLACED IN ACCORDANCE WITH F.D.O.T. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION FROM THE MANATEE COUNTY UTILITIES DEPARTMENT (MCUD) OFFICE OF STANDARDS, OR APPLICABLE JURISDICTION. 15. WATER MAINS CROSSING OVER OR UNDER SANITARY SEWERS AND FORCE MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL INDUSTRIAL COMPLIANCE PRIOR TO DEWATERING. COMPLETION OF A CONSTRUCTION DEWATERING AUTHORIZATION TO DISCHARGE DISTANCE OF 18" BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE. WHERE THIS MINIMUM APPLICATION IS REQUIRED. FILL OUT FORM AS COMPLETELY AS POSSIBLE AS MISSING INFORMATION DELAYS THE APPROVAL SEPARATION CANNOT BE MAINTAINED, THE CROSSING SHALL BE ARRANGED SO THAT THE WATER MAIN PIPE JOINTS ARE POLYVINYL CHLORIDE **ABBREVIATIONS** 46. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH IN THE FIELD THE RIGHT-OF-WAY LINES, BASE LINES, BENCH MARKS EQUIDISTANT FROM THE POINT OF CROSSING WITH NO LESS THAN 10' BETWEEN ANY TWO JOINTS. AS AN ALTERNATIVE, THE WATER STORM DRAIN ST (ELEV.), CENTER LINES, AND STATIONING AS REQUIRED TO CONSTRUCT THIS PROJECT. MAIN MAY BE PLACED IN A WATERTIGHT CASING PIPE, CONSISTENT WITH F.A.C. RULE 62-555.314. **RESTRAINED JOINT** EX. FXISTING 83. THE MCUD OFFICE OF INDUSTRIAL COMPLIANCE WILL DETERMINE WHETHER A LETTER OF APPROVAL, A DISCHARGE AUTHORIZATION, - RIGHT-OF-WAY **BURIED TELEPHONE** 16. ALL BELOW-GRADE FITTINGS 4-INCHES AND GREATER IN DIAMETER SHALL BE MECHANICAL JOINT DUCTILE IRON WITH INTERIOR AND 47. THE CONTRACTOR SHALL COORDINATE THE CUTTING OF DRIVEWAYS WITH THE PROPERTY OWNER PRIOR TO CUT. ALL DRIVEWAYS OR A DISCHARGE PERMIT IS REQUIRED. SS SANITARY SEWER HORIZONTAL DIRECTIONAL DRILL HDD WILL BE IN PASSABLE CONDITION AT THE END OF THE WORK DAY AND FULLY RESTORED PER SECTION 02575. EXTERIOR LINING AS NOTED IN MANATEE COUNTY APPROVED PRODUCTS LIST. FM FORCE MAIN RCP REINFORCED CONCRETE PIPE 84. FOR SITES SUSPECTED OF CONTAMINATED GROUNDWATER MANATEE COUNTY WILL REQUIRE AN APPLICANT TO DEMONSTRATE WM - AIR RELEASE VALVE WATER MAIN 48. A RIGHT OF ENTRY AGREEMENT SHALL BE OBTAINED BY THE CONTRACTOR FROM THE PROPERTY OWNER BEFORE ANY 17. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SECURE PROPERTY FOR STAGING MATERIALS AND EQUIPMENT. THAT THE DISCHARGE MEETS THE MANATEE COUNTY SEWER USE ORDINANCE. RW RECLAIM WATER MAIN HDPE - HIGH DENSITY POLYETHYLENE CONSTRUCTION IS DONE OUTSIDE OF THE RIGHT-OF-WAY OR EASEMENT. ELLIPTICAL CONCRETE PIPE 18. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ACQUIRE, OR ENTER INTO AGREEMENTS, FOR LANDS FOR LAY DOWN AREAS AND 85. IF ANY RECLAIMED OR WATER MAINS INCLUDING SERVICE LINES ARE DAMAGED DURING CONSTRUCTION, THEY SHALL BE REPLACED STAGING. THE COUNTY WILL COORDINATE AND ADVISE, TO HELP IDENTIFY POSSIBLE PARCELS. IT IS THE CONTRACTOR'S KIMLEY HORN LEGEND FROM THE VALVE TO THE OTHER POINT OF CONNECTION OUTSIDE OF THE ROADWAY PER MANATEE COUNTY'S STANDARDS 49. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN TO THE BEST RESPONSIBILITY TO SECURE THE NEEDED AREAS. AND THE COUNTY TAKE NO RESPONSIBILITY FOR DELAYS IN THIS REGARD. SERVICES WILL BE REPLACED FROM THE CORP STOP TO THE METER. INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. PROPOSED WATER MAIN EX. OVERHEAD ELECTRIC THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WHICH ARE WITHIN THE PROJECT AREA AND WHICH HAVE NOT BEEN 19. COORDINATION AND PUBLIC INFORMATION FOR AND WITH AREA RESIDENTS ARE OF THE UTMOST IMPORTANCE, CONTRACTOR WILL LOCATED OR IDENTIFIED. MAY NOT BE IN THE EXACT LOCATION SHOWN OR RELOCATED SINCE THE PREPARATION OF THESE PLANS. ENSURE ADHERENCE TO THE COUNTY'S NOISE ORDINANCE, HAZARD AND SAFETY, AND NUISANCE ABATEMENT DIRECTIONS, PLANS, ALL WORK PERFORMED WITHIN THE FDOT R/W SHALL CONFORM TO: THE CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING OBJECTIONS AND ORDINANCES. THE ENGINEER WILL HAVE THE FINAL DISCRETION IN THIS REGARD, AS REPRESENTED ONSITE BY FDOT BRIDGE IMPROVEMENTS UTILITIES STRUCTURES AND OTHER FEATURES (WHETHER OR NOT SHOWN ON THE PLANS) THAT MAY AFFECT HIS WORK. ALL EX. BURIED ELECTRIC THE COUNTY INSPECTOR AND ENGINEER'S STAFF. 1. FDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION (FY 2023-24) (A.K.A. STANDARD SPECS). EXISTING UTILITIES TO BE EXTENDED, CROSSED OR CONNECTED TO SHALL BE EXPOSED PRIOR TO CONSTRUCTION TO VERIFY 2. FDOT DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND OPERATIONS ON THE STATE HIGHWAY SYSTEM, (FY LOCATION AND ELEVATION. ANY DISCREPANCIES OR CONFLICTS FOUND SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR 20. ALL ELEVATIONS ARE NAVD88 DATUM 2023-24), (A.K.A. STANDARD INDEX). COMPLIANCE WITH ALL APPLICABLE INDICES IS REQUIRED. EX. FORCE MAIN RESOLUTION 3. 2023 FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN MANAUAL 50. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, WATER AND SEWER LINES, STORM DRAINS, UTILITIES, DRIVEWAYS, 4. FLORIDA DEPARTMENT OF TRANSPORTATION FLEXIBLE PAVEMENT DESIGN MANUAL FOR NEW CONSTRUCTION AND PAVEMENT THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE FLORIDA TRENCH SAFETY ACT. 90-96, LAWS OF FLORIDA EX. ABANDONED FORCEMAIN WETLAND DELINEATION SIDEWALKS, SIGNS, MAIL BOXES, FENCES, TREES, LANDSCAPING, AND ANY OTHER IMPROVEMENT OR FACILITY IN THE REHABILITATION, JANUARY 2023. EFFECTIVE OCTOBER 1, 1990 AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION EXCAVATION SAFETY STANDARDS, 29 CONSTRUCTION AREA. THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DAMAGED ITEM DUE TO HIS CONSTRUCTION. 5. ALL TRAFFIC STRIPES AND MARKINGS ARE TO BE LEAD FREE, NON-SOLVENT BASED THERMOPLASTIC. THE PERMITTEE SHALL CFR 1926.650, SUBPART P, AS AMENDED. THE CONTRACTOR SHALL INCLUDE IN THE TOTAL BID PRICE ALL COSTS FOR COMPLIANCE FURNISH THE DEPARTMENT WITH THE MANUFACTURER'S CERTIFICATION THAT THE THERMOPLASTIC IS "LEAD FREE". ACTIVITIES TO EQUAL OR BETTER THAN PRE-CONSTRUCTION CONDITIONS AT NO ADDITIONAL COST TO THE OWNER. WITH THESE REGULATIONS. PROPOSED SILT FENCE EX. WATER MAIN 6. LANE CLOSURE MAY NEED TO BE ALTERED DEPENDING ON THE AREA THE WORK IS TAKING PLACE. 22. THE CONTRACTOR SHALL USE SHEET PILING, SHEETING, BRACING, ETC., AS REQUIRED IN ALL EXCAVATION AREAS AND CONFORM TO 51. THE CONTRACTOR SHALL USE APPROPRIATE TECHNIQUES, AS APPROVED, RECOMMENDED OR OFFERED BY FLORIDA POWER AND PROPOSED TURBIDITY BARRIER —T B—T B—T B—T B—T B— LIGHT TO PREVENT UNDERMINING OF POWER POLES DURING CONSTRUCTION. IF HOLDING OF POWER POLES IS RECOMMENDED OR EX. BURIED FIBER OPTICS REQUIRED BY THE UTILITY, THE CONTRACTOR SHALL COORDINATE THIS ACTIVITY WITH THE UTILITY AND BEAR ALL RELATED COSTS. TRAFFIC CONTROL NOTES TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH F.D.O.T. LATEST DESIGN STANDARDS NO. 102-600. 102-603. 102-605. 102-611. 23. THE CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND PROPOSED TRENCH DEPTH _____ 52. ANY TEMPORARY SHUTDOWNS FOR MODIFICATIONS OF EXISTING UTILITY SYSTEMS THAT MUST REMAIN IN SERVICE DURING 102-612, 102-613, 102-616 AND 102-660 DEPENDING ON THE OPERATION BEING PERFORMED. UTILITIES, POWER LINES, ETC. EX. BURIED TELEPHONE/FIBER CONSTRUCTION SHALL BE KEPT TO A MINIMUM AND. SHALL BE COORDINATED WITH AND APPROVED BY THE MANATEE COUNTY FOR ALL TWO-LANE WORK, TWO-WAY, WORK WITHIN TRAVEL LANE UTILIZE INDEX 102-603 EX. WATER METER UTILITY OPERATIONS DEPARTMENT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. IT IS NOTED THAT TEMPORARY THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THESE EXCLUSIONS DO NOT RELIEVE FOR ALL TWO-LANE WORK, TWO-WAY, WORK NEAR INTERSECTION UTILIZE INDEX 102-605. THE CONTRACTOR FROM PROVIDING ANY REQUIRED SAFETY EQUIPMENT, SUPPLIES, OR APPARATUS AS NEEDED TO EXECUTE THE SHUTDOWNS MAY BE RESTRICTED TO CERTAIN HOURS AT ANY TIME OF THE DAY OR NIGHT AND WILL BE COMPLETED AT NO FOR ALL MULTILANE WORK OUTSIDE SHOULDER UTILIZE INDEX 102-611 ADDITIONAL COST TO THE OWNER. EX. BURIED TV WORK EFFECTIVELY AND SAFELY AS OUTLINED IN THE PLANS AND SPECIFICATIONS. THE CONTRACTOR ACCEPTS ANY AND ALL EX. WATER VALVE FOR ALL MULTILANE WORK ON SHOULDER UTILIZE INDEX 102-612. LIABILITY FROM THE CONTRACTOR'S FAILURE TO PROVIDE A SAFE WORK ENVIRONMENT. FOR ALL MULTILANE WORK WITHIN TRAVEL WAY MEDIAN OR OUTSIDE LANE UTILIZE INDEX 102-613. 53. ALL MAINS TO BE ABANDONED IN PLACE SHALL BE GROUTED PER THE SPECIFICATIONS. FOR ALL MULTILANE WORK NEAR INTERSECTION MEDIAN OR OUTSIDE LANE UTILIZE INDEX 102-616. EX. FIRE HYDRANT 54. THE ELEVATIONS OF THE UTILITY SERVICES AND LATERALS HAVE BEEN ASSUMED ON THE BASIS OF TYPICAL ANTICIPATED SOIL FOR PEDESTRIAN CONTROL FOR CLOSURE OF SIDEWALK, UTILIZE INDEX 102-660. 25. WHEN A BENTONITE SPILL OR FRAC-OUT OCCURS OR THERE IS A LOSS OF RETURN INDICATING EXCESSIVE SEEPAGE OR LOSS OF COVERAGE. CONTRACTOR SHALL NOT RELY ON THIS INFORMATION FOR CONSTRUCTION, BUT SHALL BE RESPONSIBLE FOR FIELD DRILLING FLUID, DRILLING MUST BE STOPPED UNTIL THE LOCATION OF THE SPILL IS IDENTIFIED. UNDER NO CIRCUMSTANCES WILL LOCATIONS (HORIZONTAL AND VERTICAL) OF ALL UTILITIES CROSSING THE PROPOSED FORCE MAIN AND WATER MAIN. CONTRACTOR DRILLING CONTINUE WHEN A SPILL IS APPARENT CONTRACTOR TO COORDINATE WITH FDOT FOR ALL WORK DONE ON A STATE FACILITY. SHALL INCLUDE IN THE UNIT COST OF THE SUBJECT FORCE MAIN CONSTRUCTION, THE COST OF UTILITY ADJUSTMENTS NECESSARY 26. ONCE LOCATED, THE BENTONITE SPILL MUST BE ISOLATED AND SEEPAGE INTO ANY NEARBY WATER BODIES WILL BE BLOCKED TO ATTAIN DESIGN MINIMUM SEPARATION FOR UTILITIES CONFLICTING WITH THE CONSTRUCTION OF THE PROPOSED FORCE MAIN. TO AVOID DISRUPTION DUE TO INCLEMENT WEATHER, THE CONTRACTOR SHOULD PERFORM ANY MILLING AND PAVING OPERATIONS INTERRUPTIONS OF ANY EXISTING UTILITY SERVICES SHALL BE NOTICED TO AFFECTED CUSTOMERS A MINIMUM OF 48 HOURS IN DEPENDING ON THE DEGREE OF THE SPILL, THE ISOLATED BENTONITE MUST BE REMOVED MANUALLY OR MECHANICALLY AND DURING THE SAME WORK PERIOD ADVANCE AND SHALL NOT EXCEED 4 HOURS IN DURATION DISPOSED OF BY APPROPRIATE MEANS OR REUSED. ALL EXISTING PAVEMENT MARKINGS OUTSIDE THE CONSTRUCTION LIMITS THAT HAVE BEEN ALTERED BECAUSE OF CONSTRUCTION 55. ALL VALVES, ARVS, MANHOLES, BLOW-OFF ASSEMBLIES, METER ASSEMBLIES, AND FIRE HYDRANTS, WITHIN PROJECT AREA, SHALL 27. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY STORM WATER, EROSION, AND SEDIMENTATION CONTROL OPERATIONS SHALL BE REPLACED UPON THE COMPLETION OF THE PROJECT AT THE CONTRACTORS EXPENSE MEASURES IN ACCORDANCE WITH THE FDEP "FLORIDA STORM WATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR'S REMAIN ACCESSIBLE AT ALL TIMES AND BE ADJUSTED TO FINAL GRADE. MANUAL". IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO 5. LANE CLOSURES SHALL OCCUR BETWEEN 9:00 P.M. AND 5:00 A.M., UNLESS LANE CLOSURE CALCULATIONS ARE PROVIDED AND SURFACE DRAINS AND TO DITCHES DURING CONSTRUCTION. 6. ALL RESTORATION WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS APPROVED OR APPROVAL IS GRANTED BY THE DISTRICT PERMIT ENGINEER. THE CONTRACTOR SHALL SCHEDULE WORK OPERATIONS 28. STOCKPILES SHALL BE PROTECTED AT ALL TIMES BY ON-SITE DRAINAGE CONTROLS WHICH PREVENT EROSION OF THE STOCKPILED SO THAT ALL LANES CAN BE RE-OPENED TO TRAFFIC WITHIN A PERIOD OF 24 HOURS IN CASE OF AN EMERGENCY MATERIAL. CONTROL OF DUST FROM SUCH STOCKPILES IS REQUIRED, DEPENDING UPON THEIR LOCATION AND THE EXPECTED ALL DISTURBED GRASSED AREAS SHALL BE SODDED UNLESS OTHERWISE INDICATED. THE TYPE OF SOD USED TO REPLACE OWNER LENGTH OF TIME THE STOCKPILES WILL BE PRESENT. IN NO CASE SHALL ANY STOCKPILED MATERIAL REMAIN AFTER THIRTY (30) PEDESTRIANS, BICYCLES, AND WHEELCHAIRS: MAINTAINED AREAS IN RIGHT-OF-WAY SHALL BE COORDINATED WITH THE PROPERTY OWNER. AT THE END OF EACH WORKDAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE ANY DROP-OFF ADJACENT TO A SIDEWALK SHALL BE BACKFILLED AT A SLOPE NOT TO EXCEED 1:4, OR SHALL BE PROTECTED IN ACCORDANCE WITH DESIGN 29. STORM WATER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS SUCH AS SECURED HAY BALES, 58. ALL CONCRETE THRUST BLOCKS INSTALLED FOR TESTING PURPOSES AND NOT REQUIRED FOR THE OPERATION OF THE PIPELINE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR, PRIOR TO FINAL ACCEPTANCE, AT NO ADDITIONAL COST TO THE SOD, STONE, ETC., WHICH SHALL BE MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS, AND WHICH MUST BE APPROVED BY THE ENGINEER BEFORE INSTALLATION. THIS WILL BE MAINTAINED TO PREVENT DEGRADATION OF THE WATERS OF 7. PEDESTRIAN AND WHEELCHAIR TRAFFIC SHALL BE ACCOMMODATED UTILIZING STANDARD INDEX 102-660. THE COUNTY AND STATE. 59. ASPHALT DRIVES THAT ARE CUT SHALL BE RESTORED PER SECTION 02513 30. SEDIMENT BASINS AND TRAPS, PERIMETER BERMS, SEDIMENT BARRIERS, VEGETATIVE BUFFERS, AND OTHER MEASURES INTENDED 8. ONE PORTABLE VARIABLE MESSAGE SIGN SHALL BE USED IN ADVANCE OF EACH LANE CLOSURE. THE FOLLOWING ARE SUGGESTED TO TRAP SEDIMENT AND/OR PREVENT THE TRANSPORT OF SEDIMENT ONTO ADJACENT PROPERTIES, OR INTO EXISTING BODIES OF 60. CONCRETE DRIVEWAYS OR SIDEWALKS THAT ARE CUT SHALL BE RESTORED TO MATCH EXISTING ACCORDING TO THE 2020-2021 EDITIONS OF THE F.D.O.T. STANDARD PLANS FOR ROAD CONSTRUCTION CONCRETE SIDEWALK AND DRIVEWAYS INDEX 522-001 WATER, MUST BE INSTALLED, CONSTRUCTED, OR IN THE CASE OF VEGETATIVE BUFFERS, PROTECTED FROM DISTURBANCE, AS A FIRST STEP IN THE LAND ALTERATION PROCESS. SUCH SYSTEMS SHALL BE FULLY OPERATIVE BEFORE ANY OTHER DISTURBANCE "RIGHT" OR "CENTER" OR "LEFT" OF THE SITE BEGINS. EARTHEN STRUCTURES INCLUDING BUT NOT LIMITED TO BERMS, EARTH FILTERS, DAMS OR DIKES SHALL BE "LANE" "LANE" "LANE" . WHENEVER A PERMANENT ROADWAY SURFACE IS NOT REPLACED IMMEDIATELY AFTER BACKFILLING AND COMPACTION OF THE STABILIZED AND PROTECTED FROM DRAINAGE DAMAGE OR EROSION WITHIN ONE (1) WEEK OF INSTALLATION. "CLOSED" "CLOSED" "CLOSED" NEWLY INSTALLED PIPE LINE IN AREAS WHERE TRAFFIC MUST PASS. THE CONTRACTOR SHALL INSTALL A TEMPORARY SURFACE. CONSISTING OF NINE INCHES OF COMPACTED LIME ROCK BASE AND A COAT OF ASPHALT EMULSION. PERMANENT ROADWAY REPAIR 31. ALL SWALES, DITCHES, AND CHANNELS LEADING FROM THE SITE SHALL BE PROTECTED FROM SILTATION AND EROSION DURING SHALL BE PERFORMED A MAXIMUM OF TWENTY-ONE CALENDAR DAYS AFTER THE INITIAL OPEN CUTTING. 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORMWATER FROM ROADWAYS UTILIZED FOR CONSTRUCTION AND BE SODDED WITHIN THREE (3) DAYS OF EXCAVATION. TRAFFIC CONTROL IN A MANNER APPROVED BY THE ENGINEER. 62. RESTORATION OF CURBS, DRIVEWAYS, SIDEWALKS, AND PLACEMENT OF SOD SHALL BE AS SOON AS THE CONTRACTOR HAS 32. SOIL DISPLACED BY CONSTRUCTION WILL BE REMOVED. EROSION CONTROL SHALL BE IMPLEMENTED IN AREAS WHICH ARE CONSIDERED ENVIRONMENTALLY SENSITIVE. EROSION CONTROL SYSTEMS SHALL BE REQUIRED FOR ALL WORK WITHIN COMPLETED WORK IN THE AREA OF IMPACT. RESTORATION SHALL BE COMPLETED NO MORE THAN 10 DAYS FROM COMPLETION OF 10. AT THE END OF EACH WORKING DAY'S ACTIVITY, TEMPORARY PAVEMENT MARKINGS AND TEMPORARY RPM'S SHALL BE INSTALLED JURISDICTIONAL AREAS. THESE SYSTEMS MAY INCLUDE STAKED HAY BALES, SILT SCREENS. FILTER FABRIC, AND TURBIDITY CONSTRUCTION IN THE AREA OF IMPACT. PRIOR TO OPENING THE LANES UP FOR TRAFFIC. 63. ALL EXISTING FENCES DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AND REINSTALLED BY THE 11. ALL PAVEMENT MARKINGS, SIGNS, MARKERS, CHANNELIZATION REQUIRED TO PHASE WORK OR SHIFT TRAFFIC, SHALL UTILIZE 33. ALL EROSION AND POLLUTION CONTROL DEVICES SHALL BE CHECKED REGULARLY, ESPECIALLY AFTER EACH RAINFALL AND SHALL CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER UNLESS SHOWN TO BE REMOVED ON CONSTRUCTION PLANS. INDICES FOR PLACEMENT BE CLEANED OUT AND/OR REPAIRED AS REQUIRED. 64. WHERE CONCRETE REPAIRS ARE NECESSARY AND EXPANSION OR CONTRACTION JOINTS ARE PRESENT, CONTRACTOR SHALL 12. THE CONTRACTOR SHALL RESTRICT THE OPERATIONS SO THAT THE FIRST LIFT OF ASPHALT IS PLACED ON THE SAME DAY THAT THE REMOVE AND REPLACE CONCRETE UP TO THE NEXT EXPANSION OR CONTRACTION JOINT. 34. THE CONTRACTOR SHALL NOT ENTER UPON OR IN ANY WAY ALTER WETLAND AREAS THAT MAY BE ON OR NEAR THE CONSTRUCTION LANES ARE MILLED, BEFORE OPENING THE LANES TO TRAFFIC. INSTALL TEMPORARY PAVEMENT MARKINGS AFTER THE FIRST LIFT SITE. ALL WORK IN THE VICINITY OF OPEN WATER AND/OR WETLANDS IS TO BE PERFORMED IN COMPLIANCE WITH THE 65. ALL EXISTING WATER/WASTEWATER INFRASTRUCTURE INCLUDING, BUT NOT LIMITED TO, WATER METER BOXES, FIRE HYDRANTS, AND PRIOR TO OPENING ENVIRONMENTAL REGULATIONS AND/OR PERMITS FOR THE SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY FINES KHA PROJECT LICENSED PROFESSIONAL 148400098 DATE AUGUST 2024 JORDAN W. WALKER, P.E. GENERAL NOTES SCALE AS SHOWN SR 64 (MANATEE AVENUE) WATER MAIN © 2024 KIMLEY-HORN AND ASSOCIATES, INC.

DESIGNED BY JWW

MANATEE COUNTY

DRAWN BY

CHECKED BY

INTRACOASTAL CROSSING

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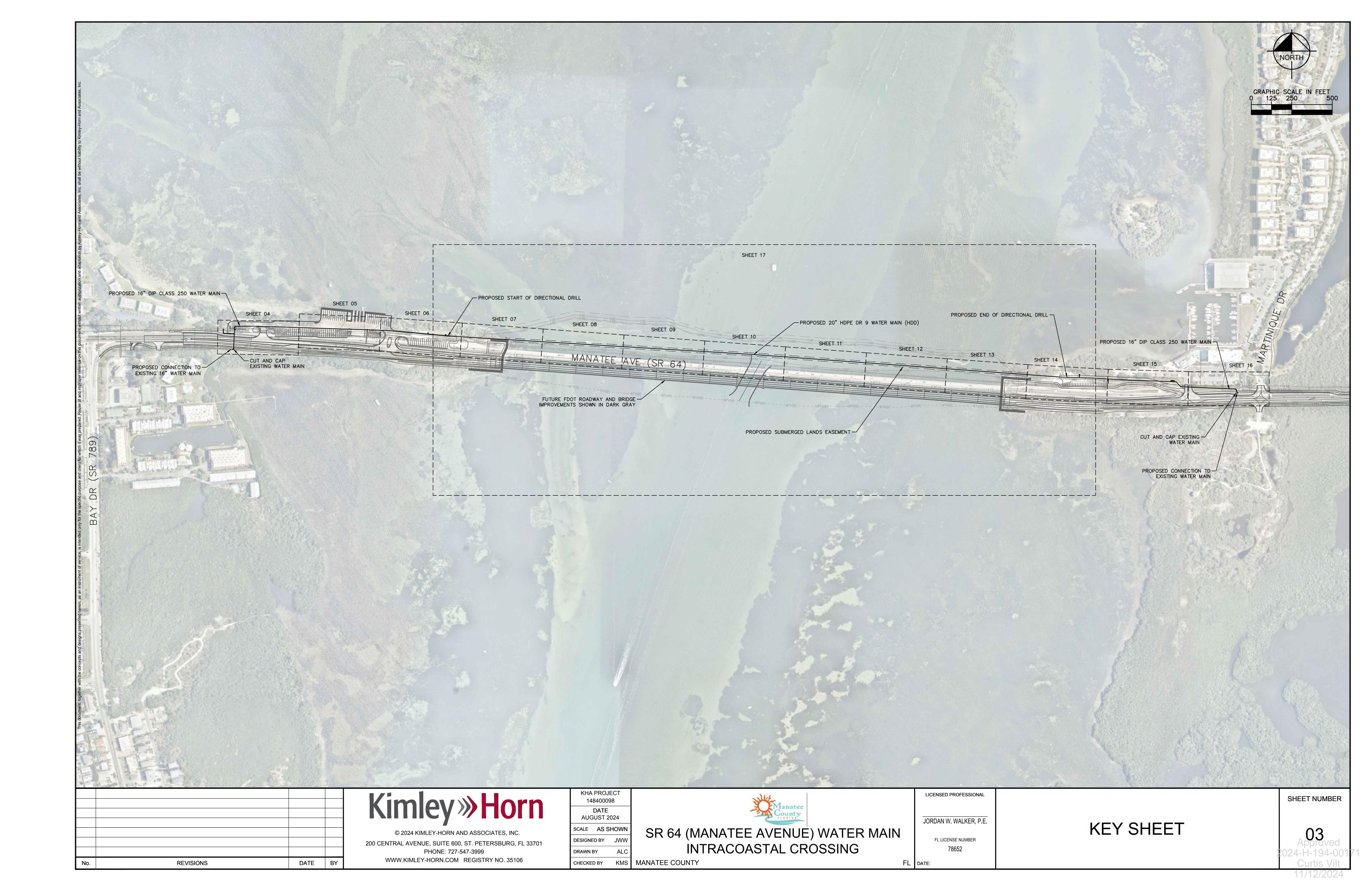
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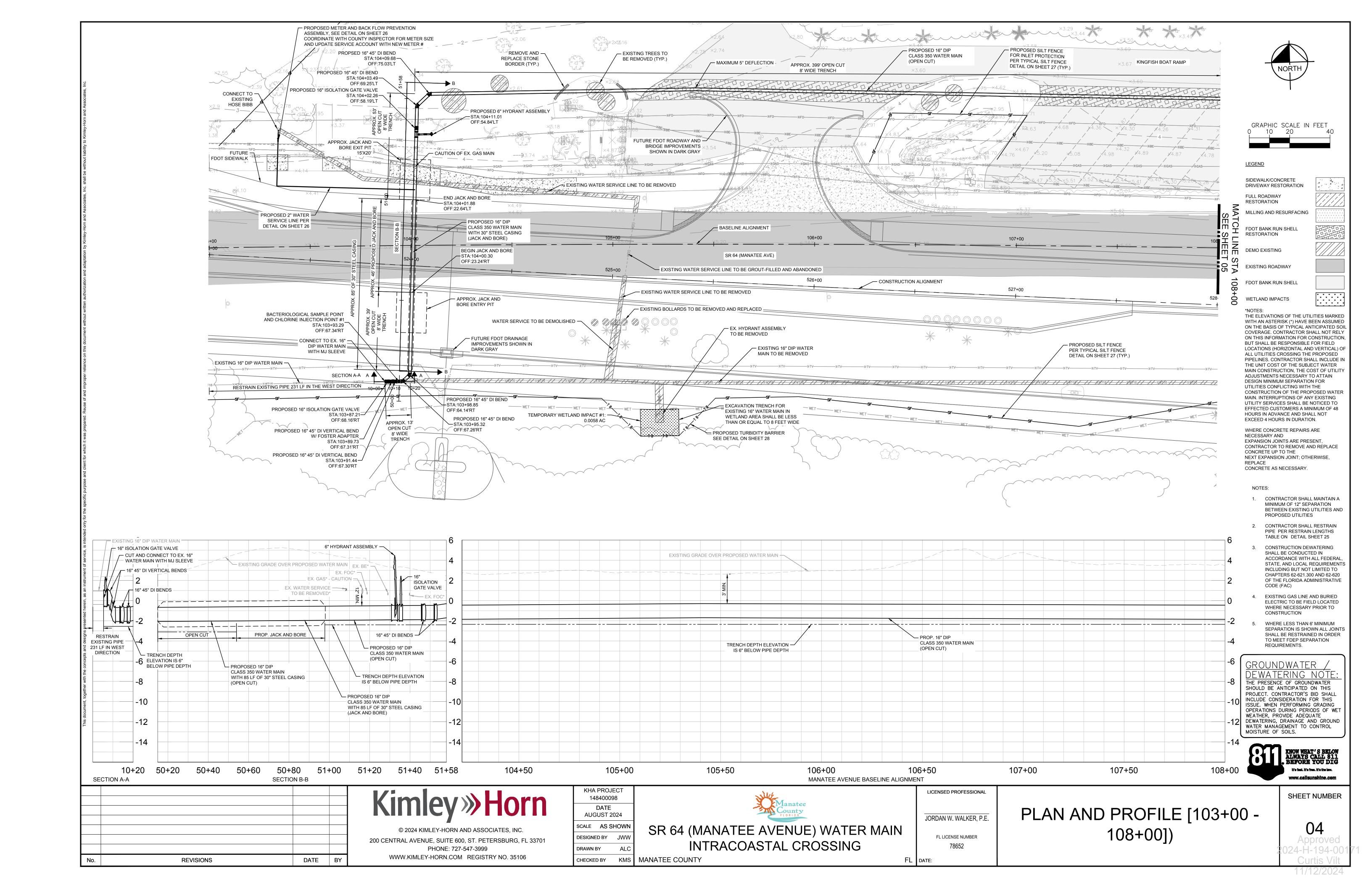
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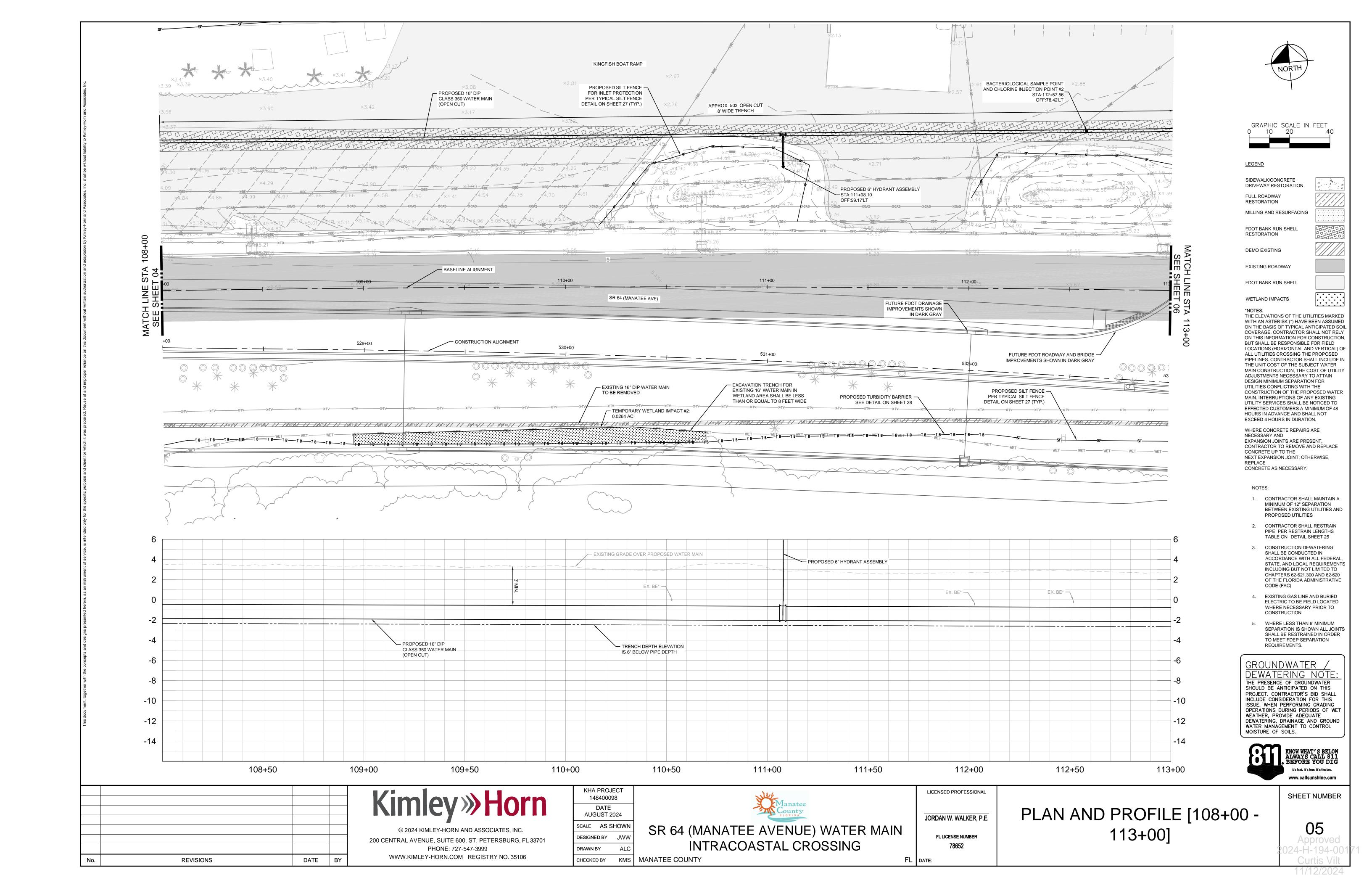
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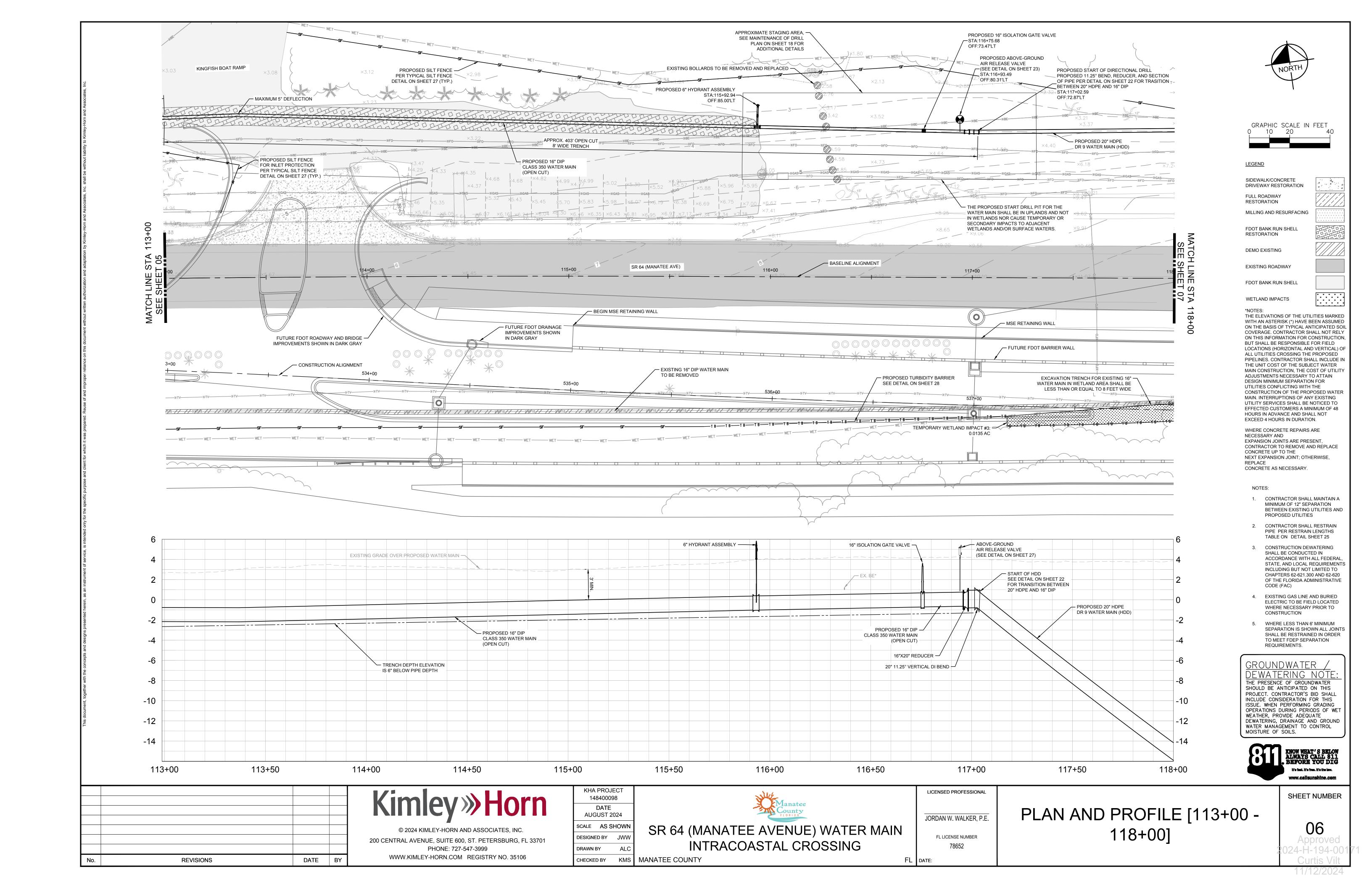
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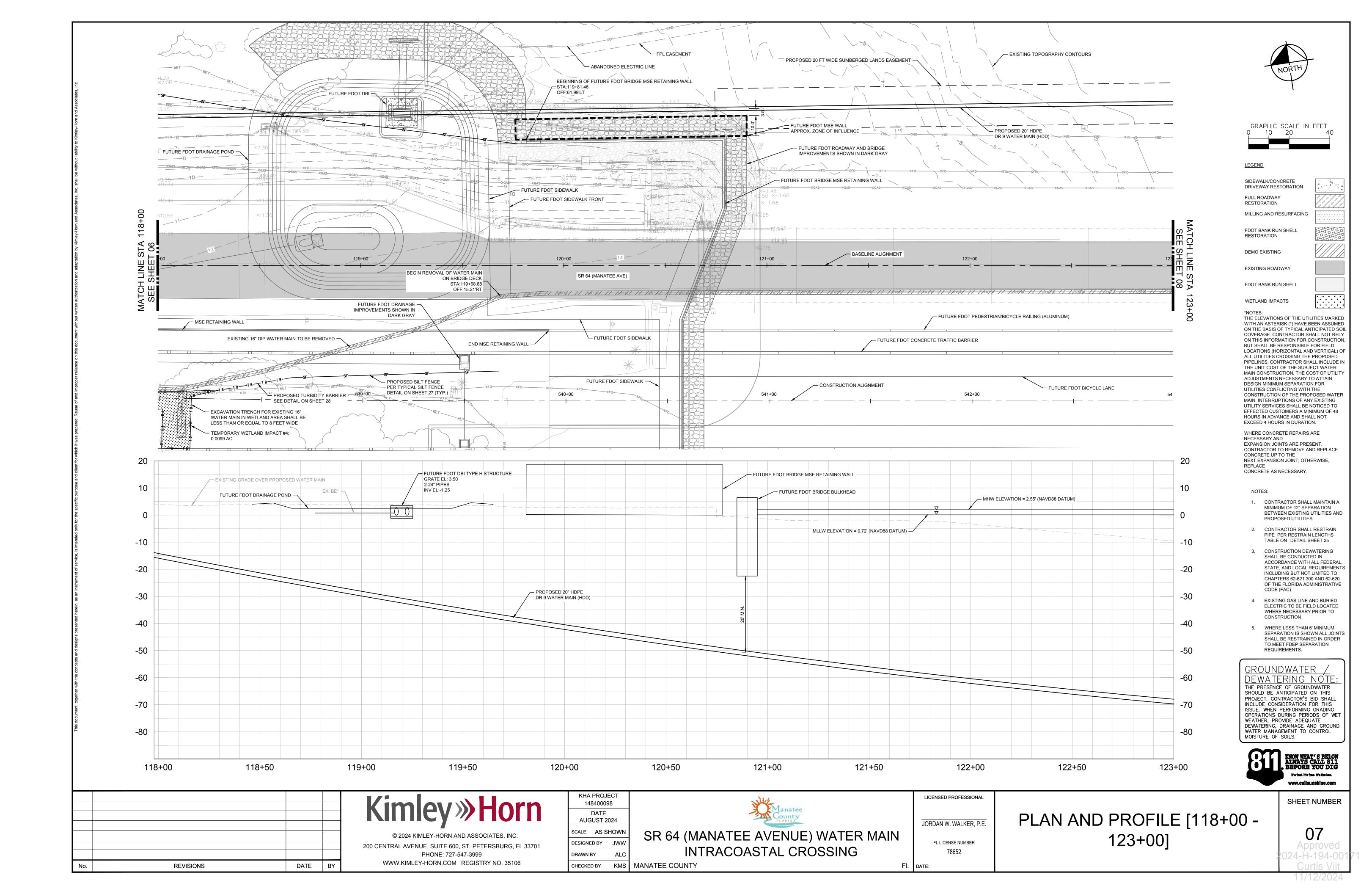
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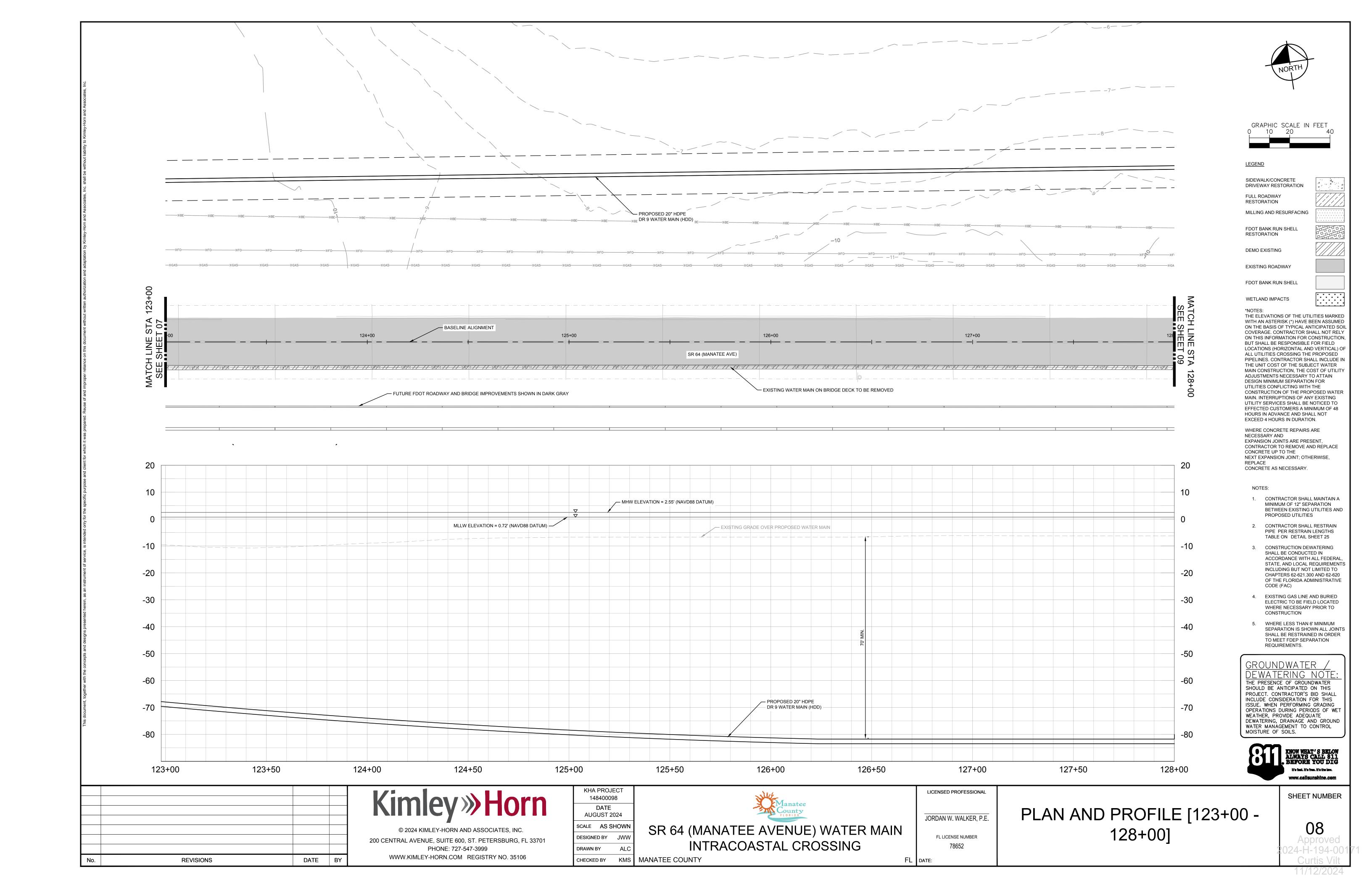


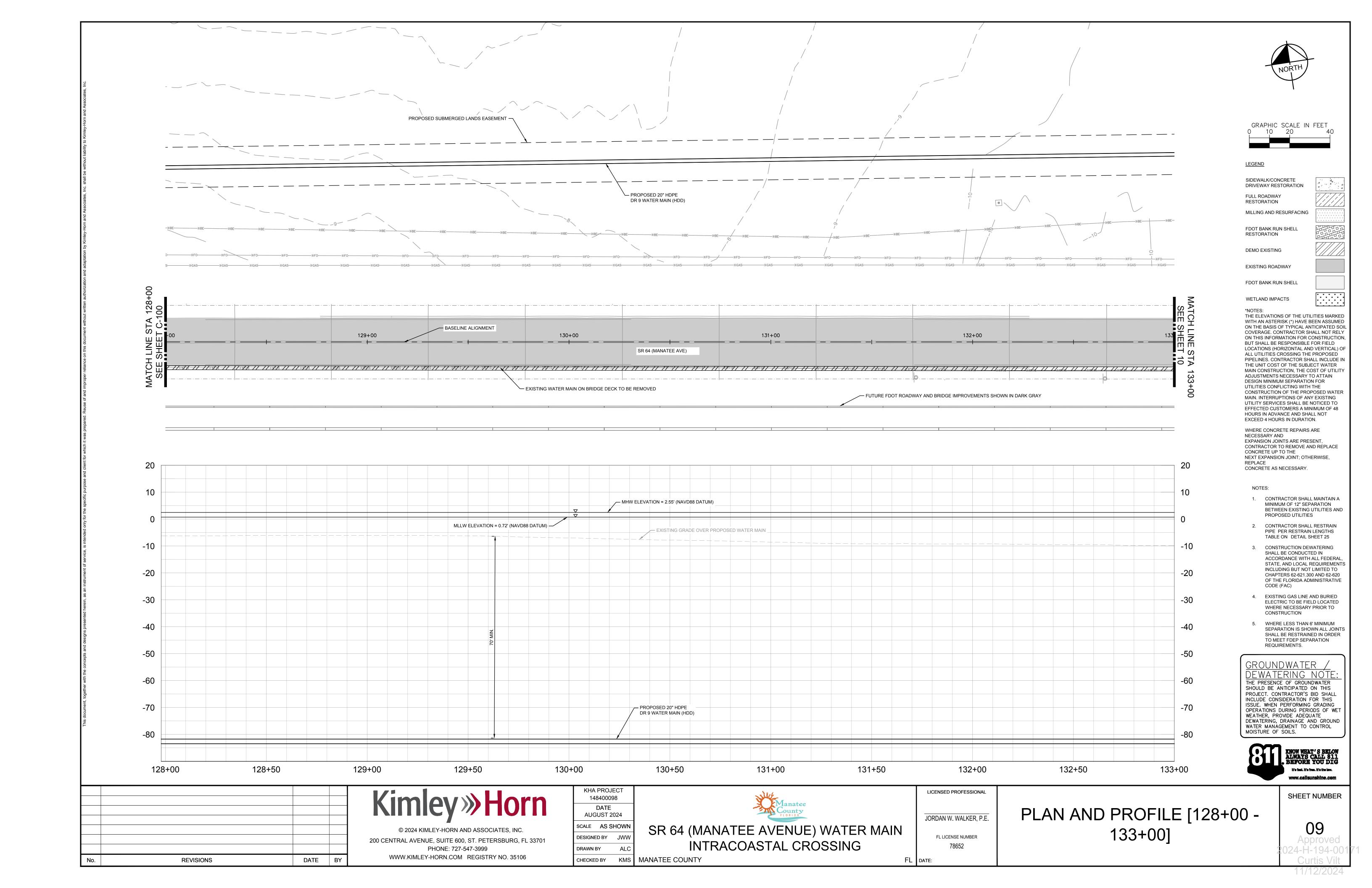


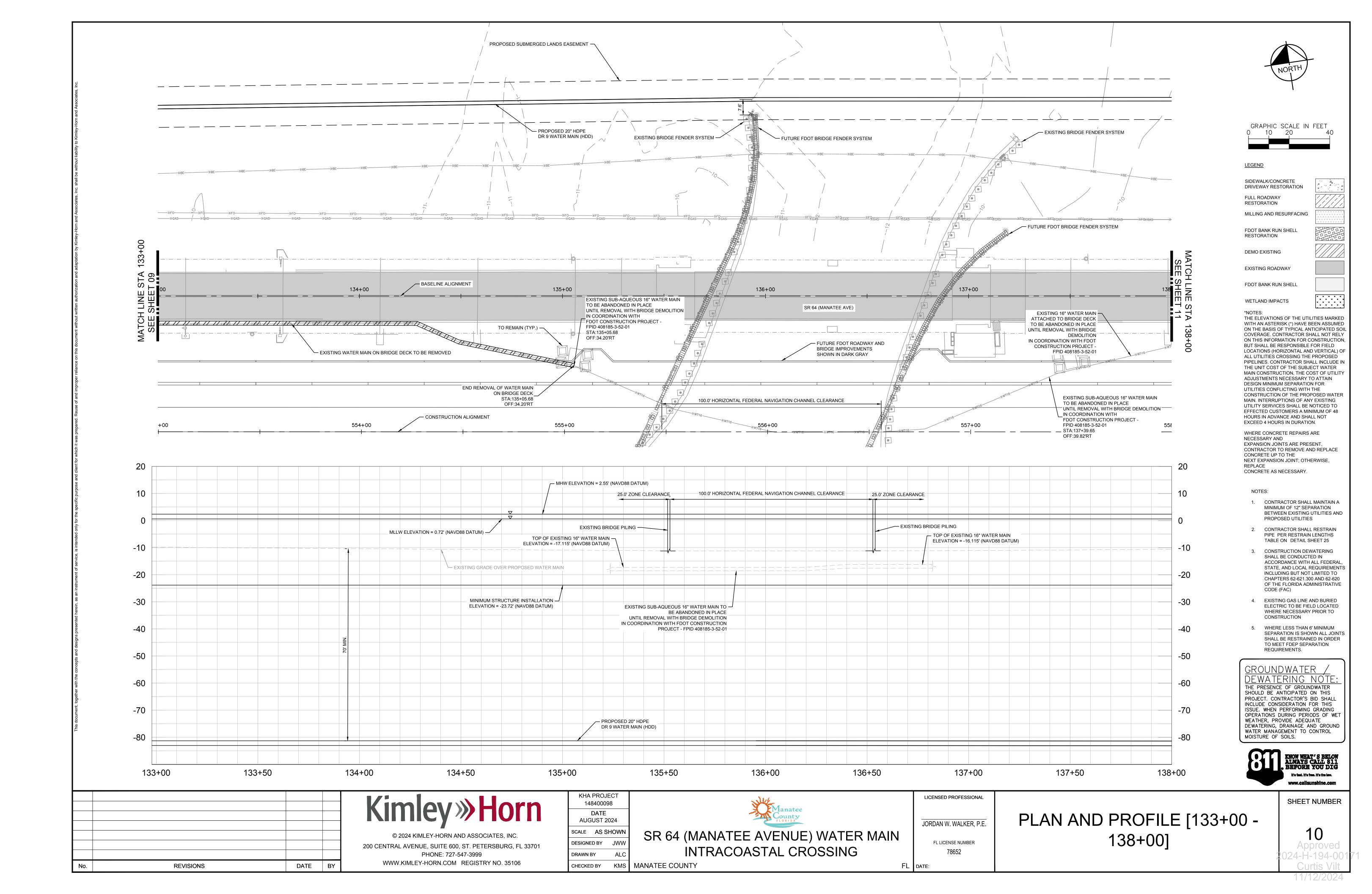


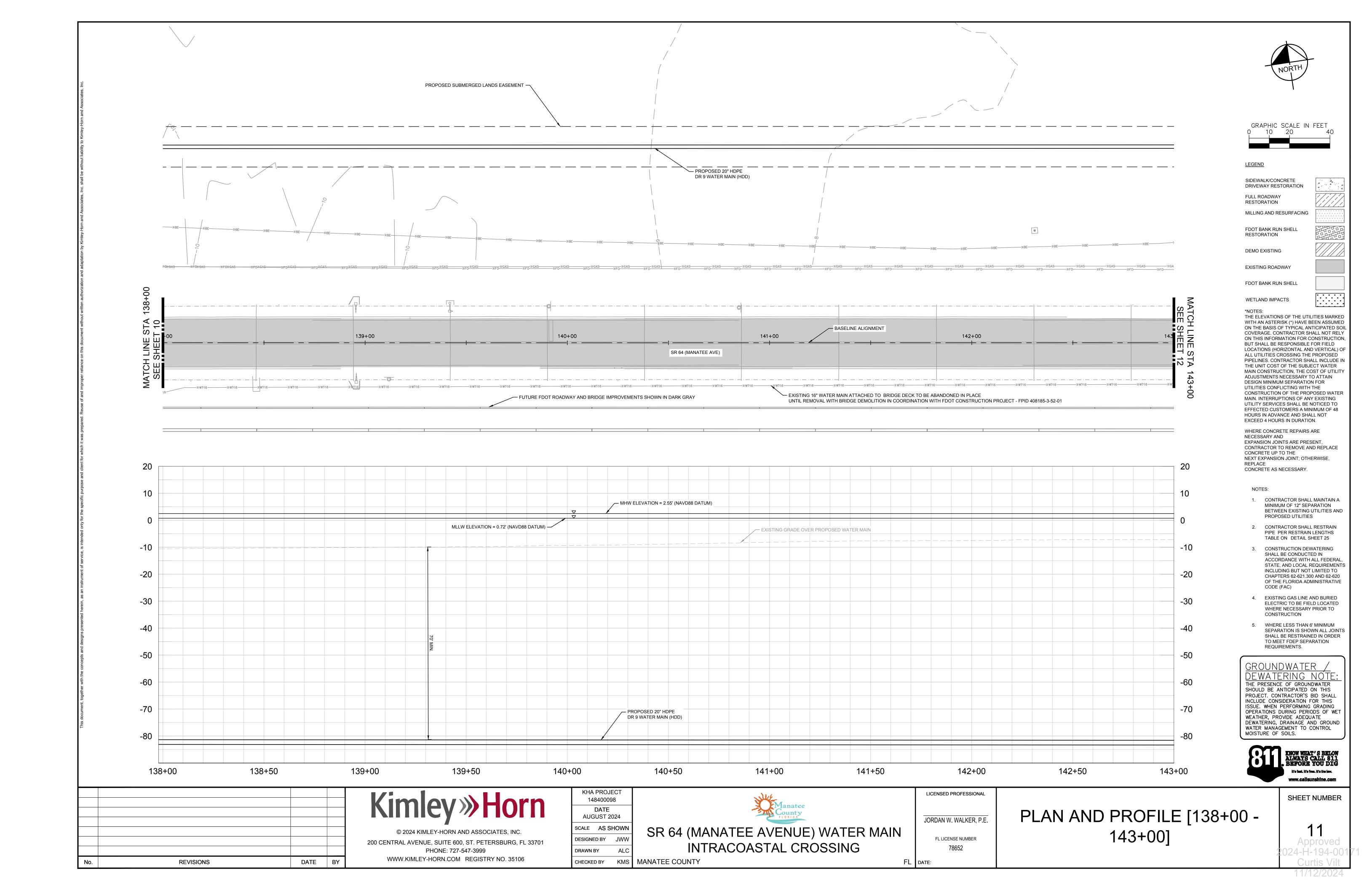


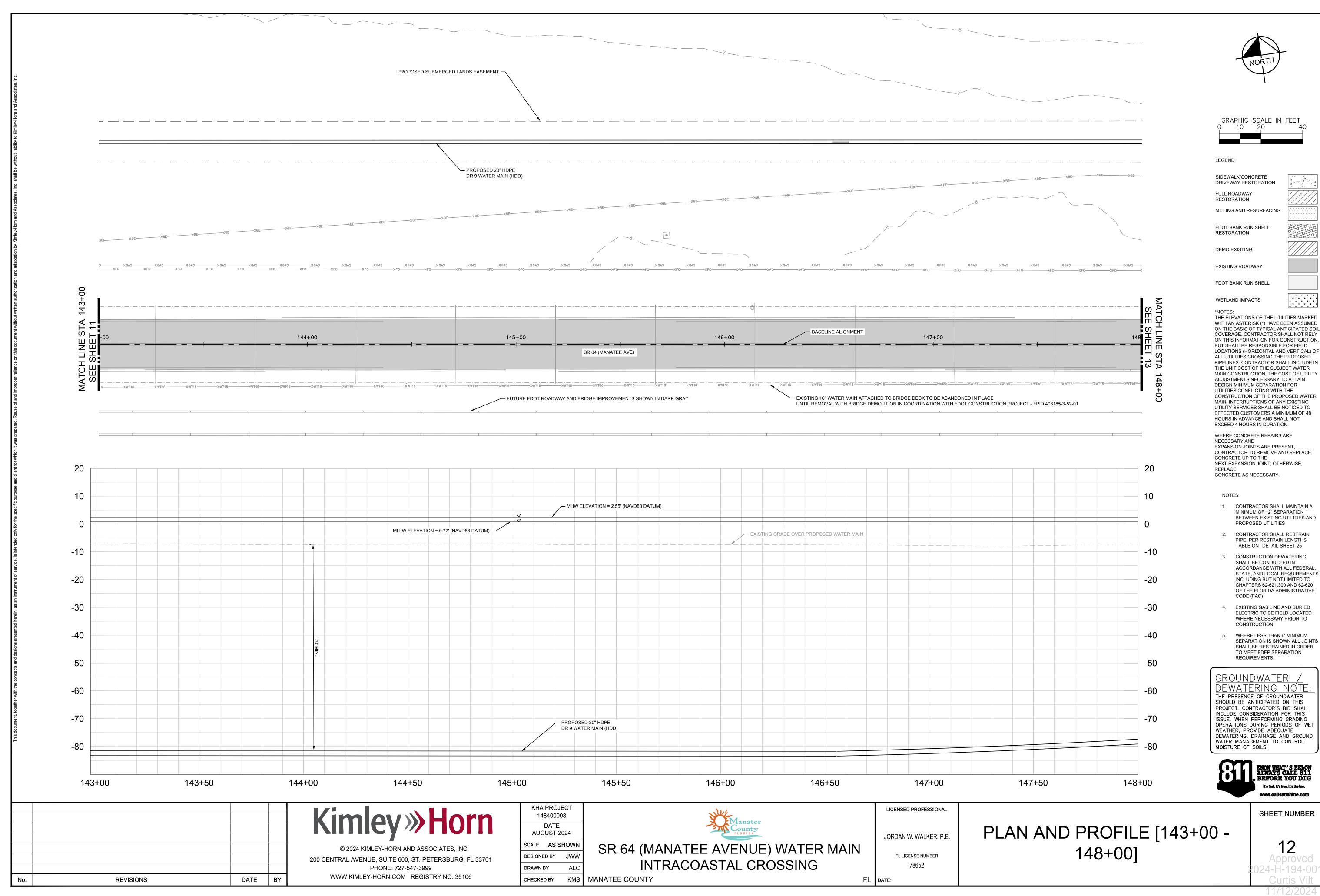


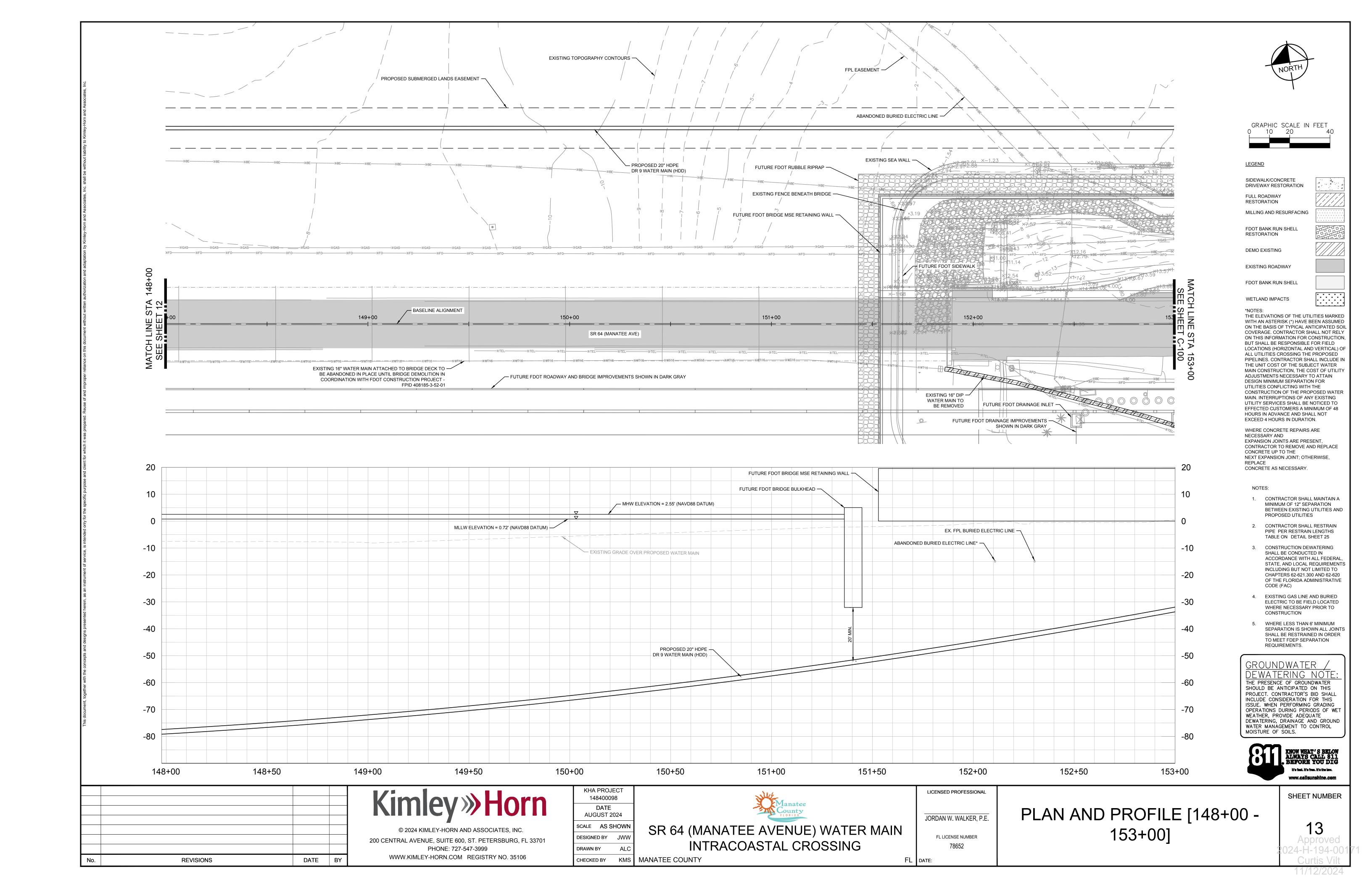


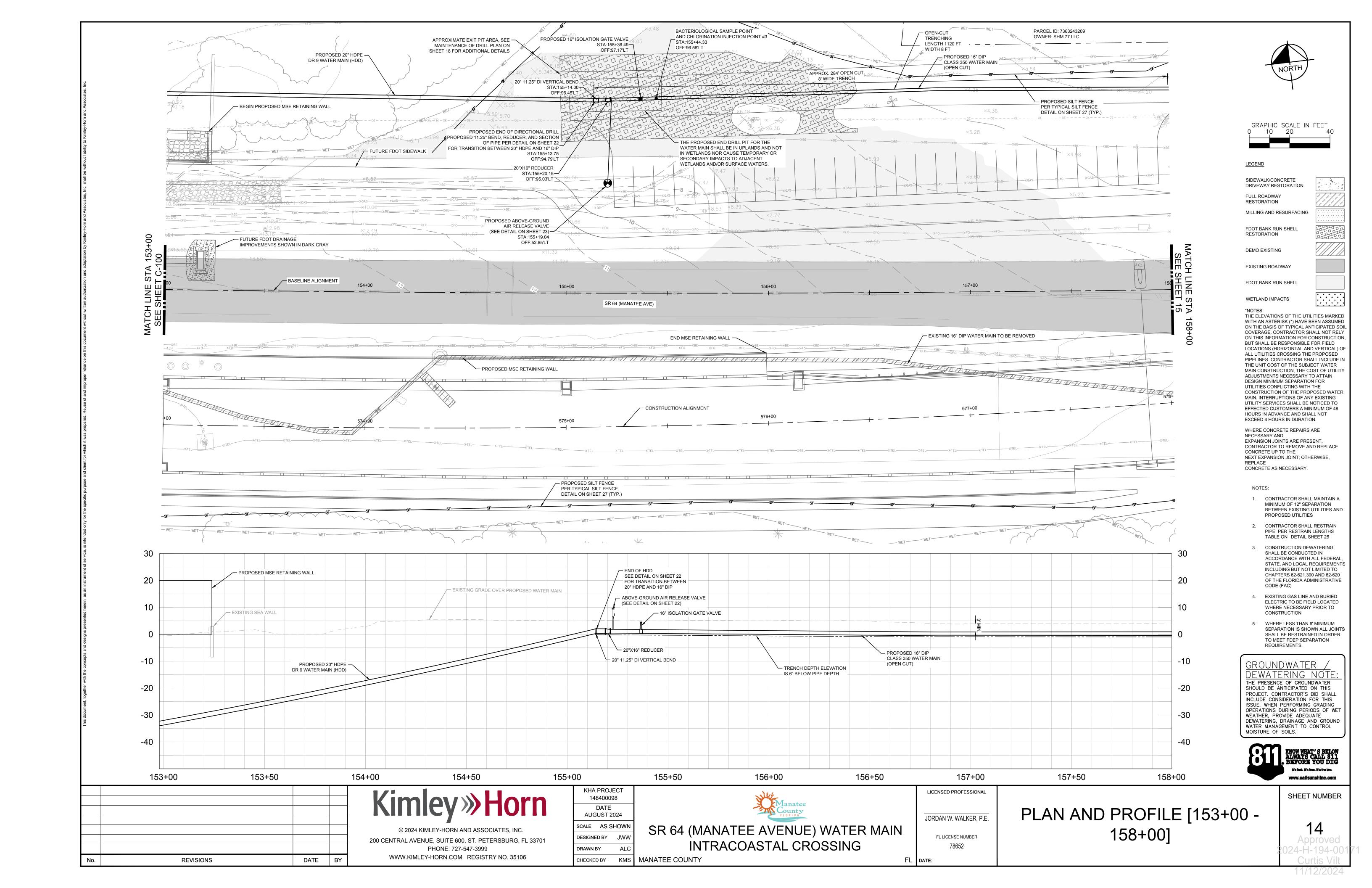


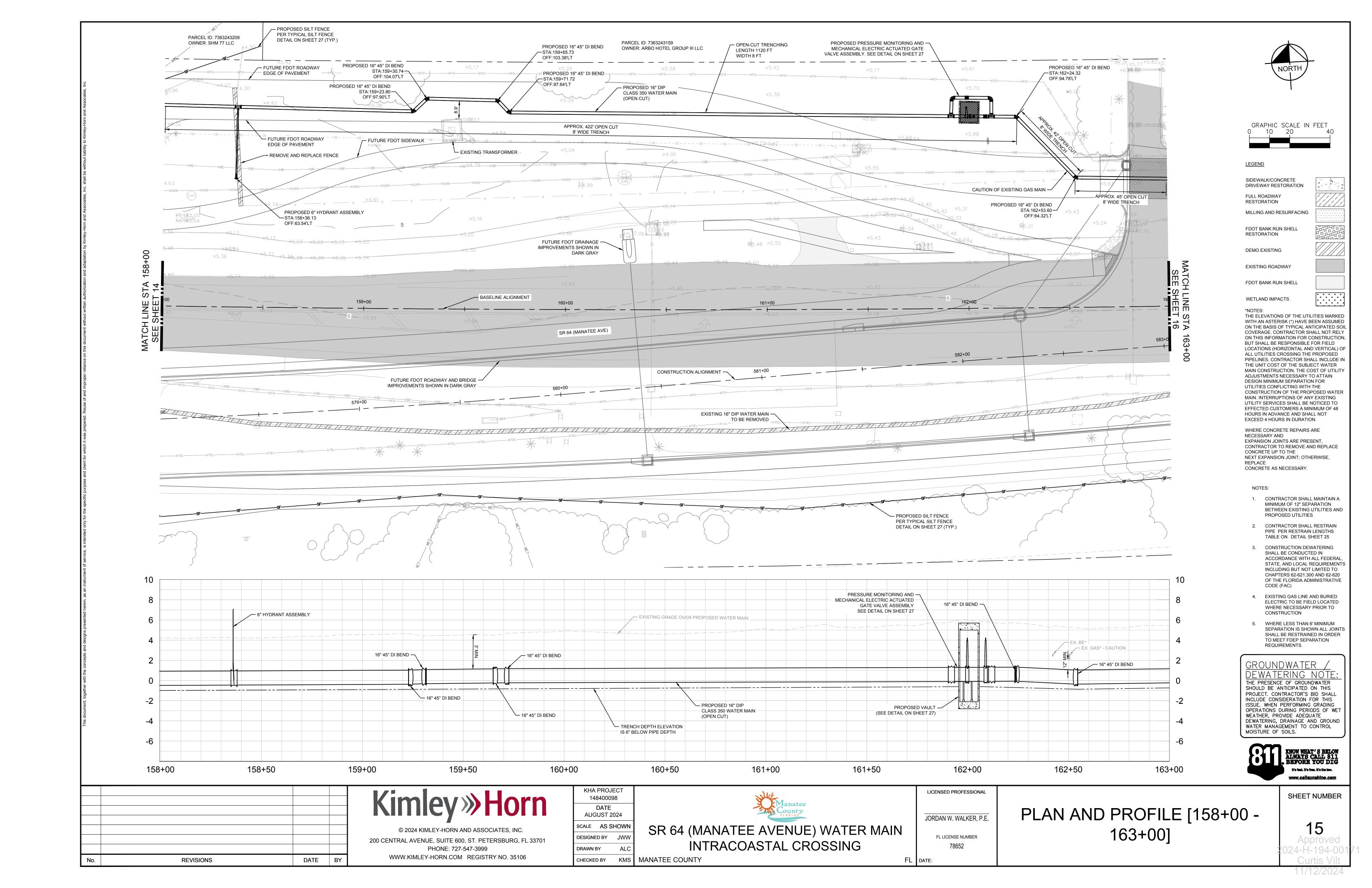


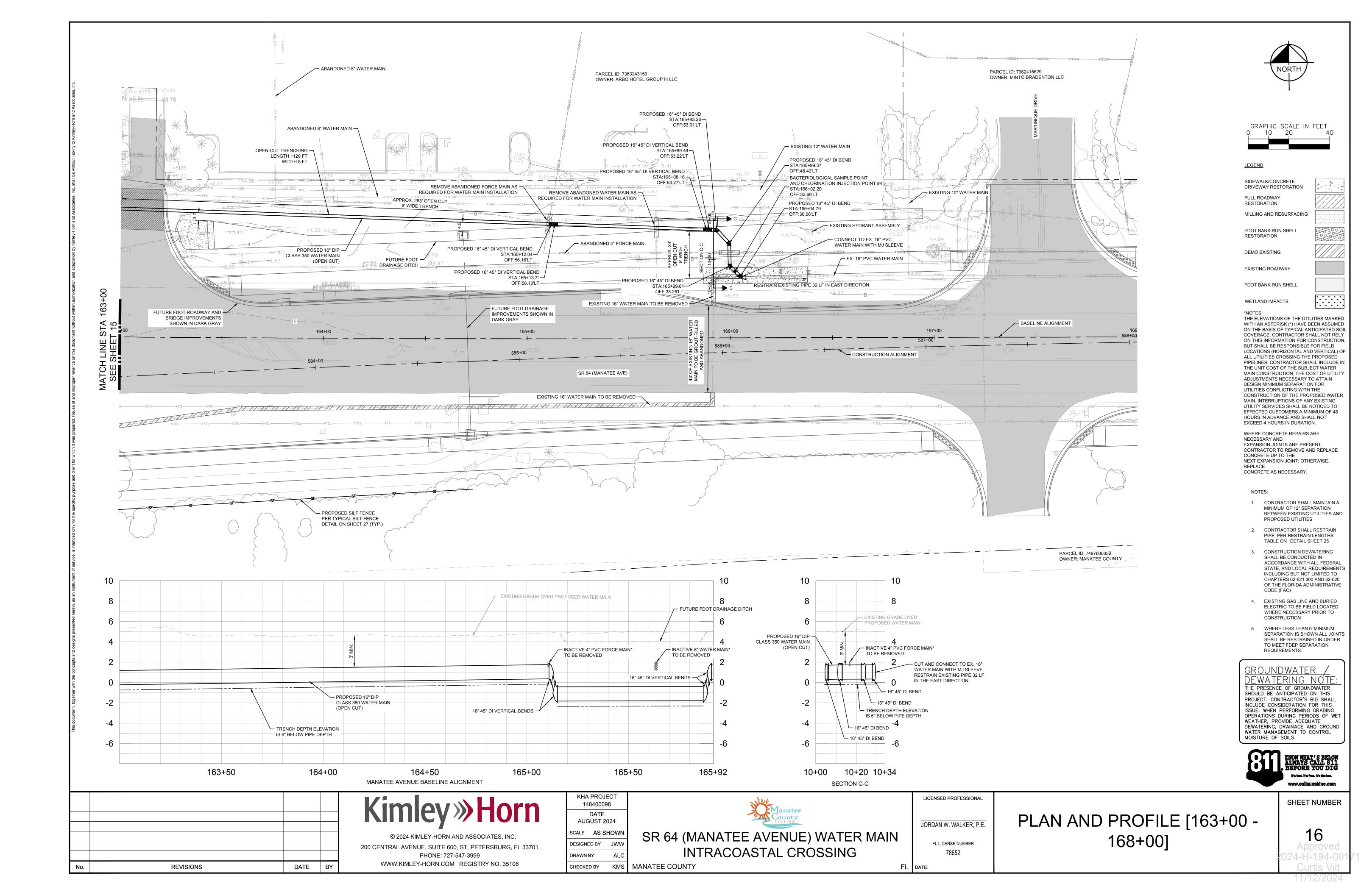


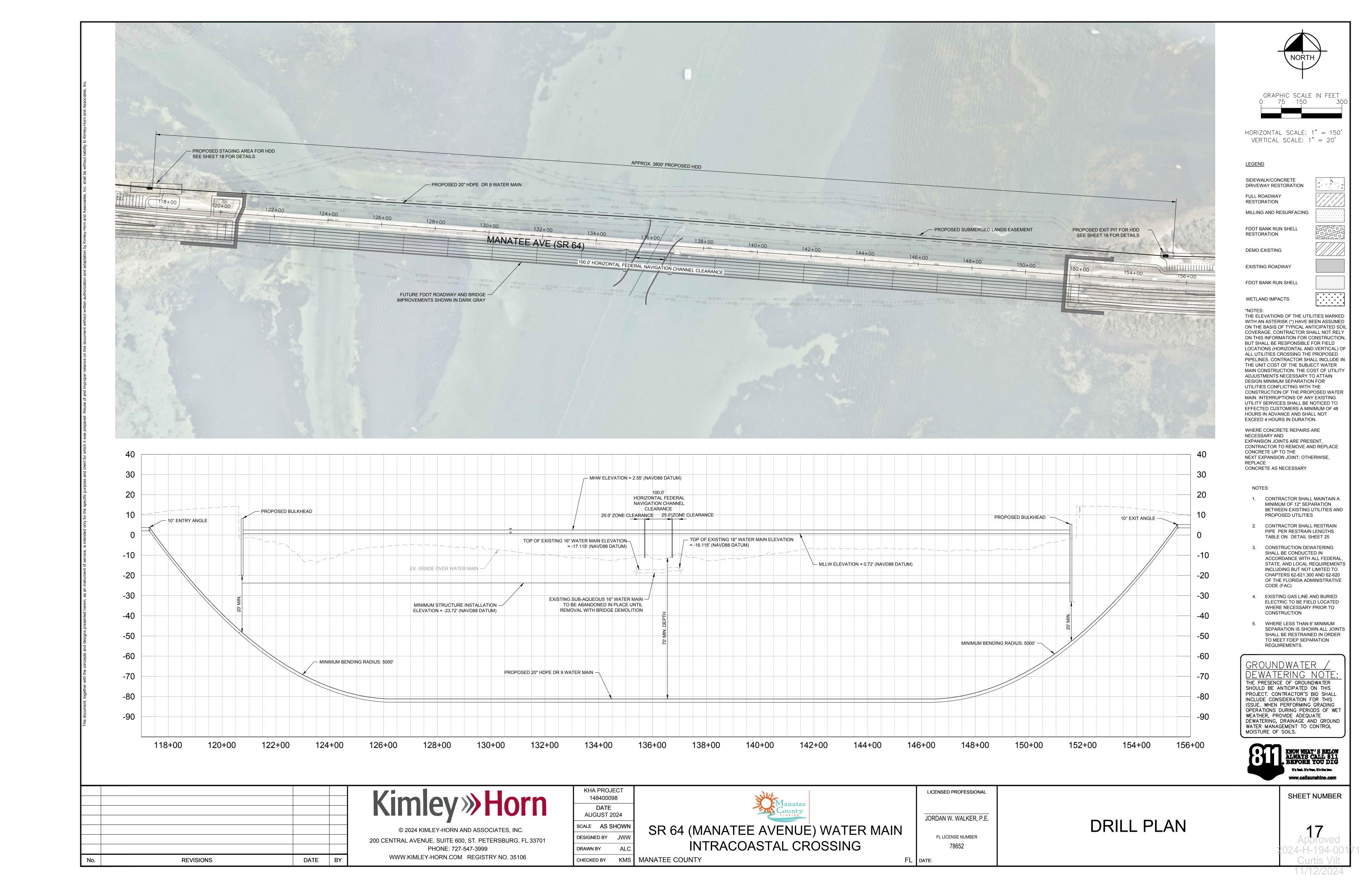


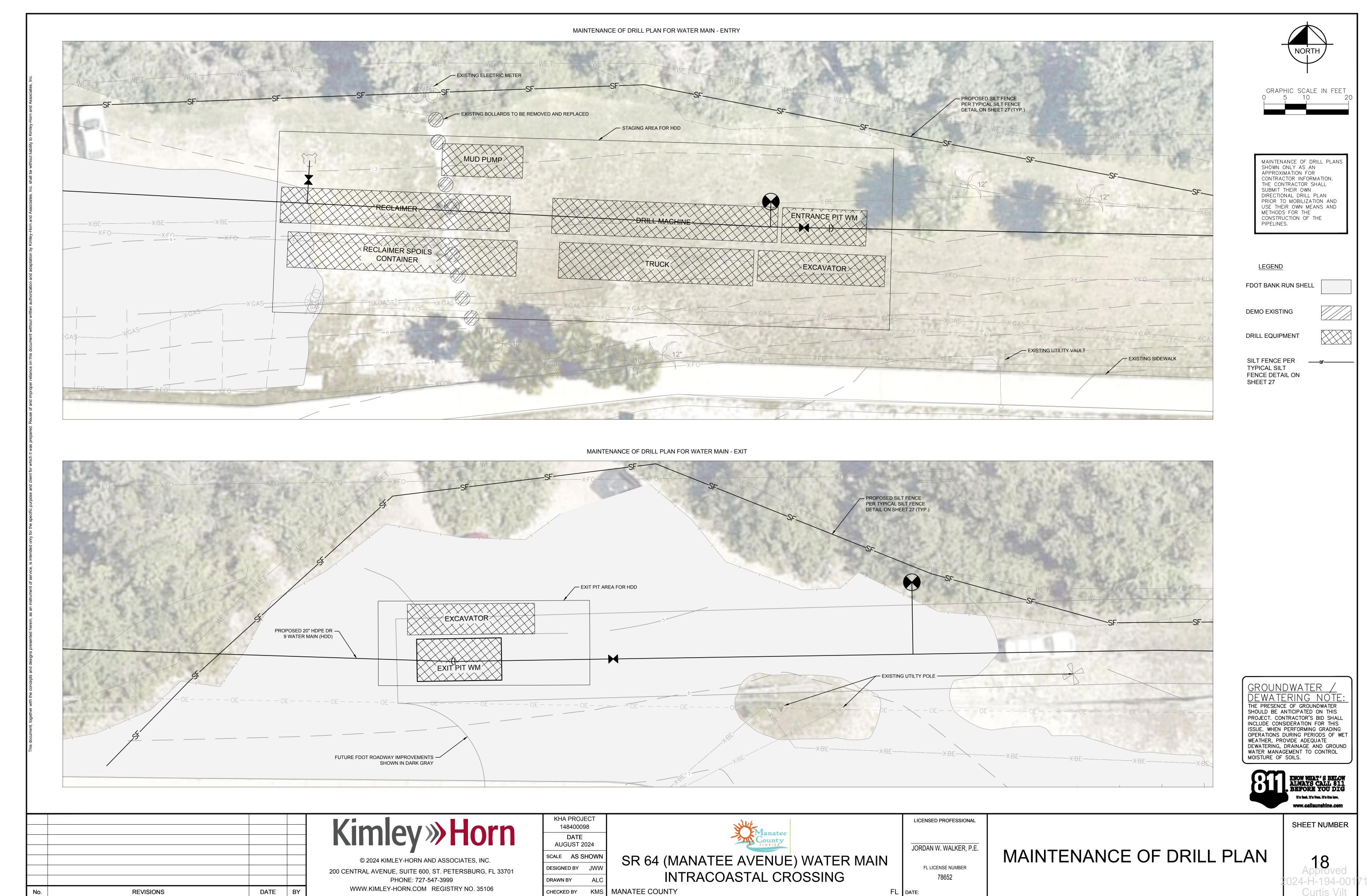




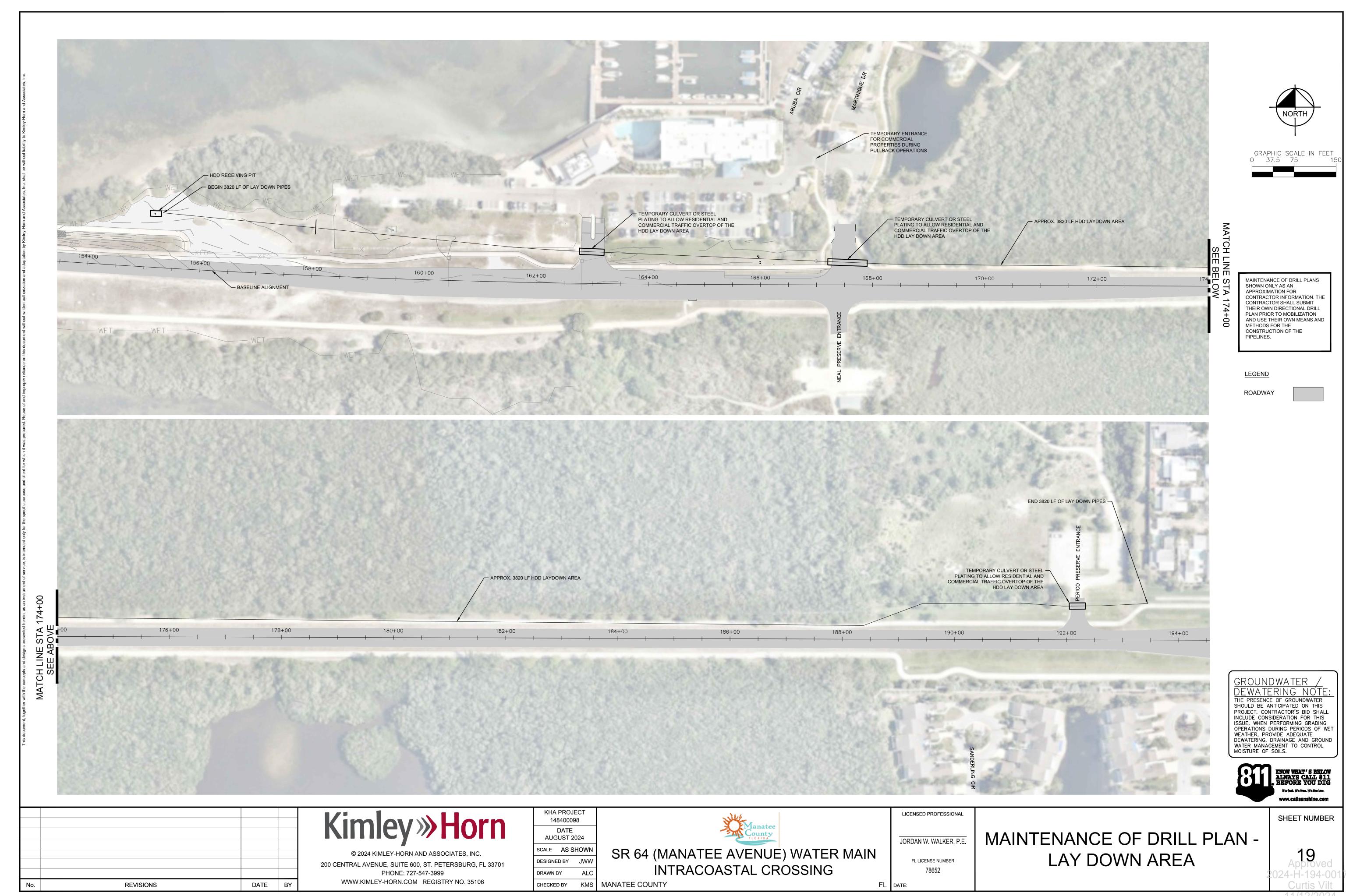




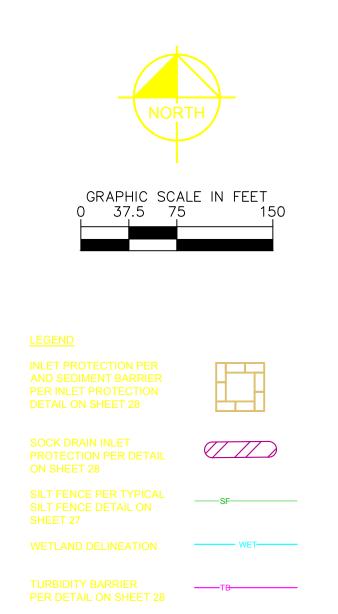


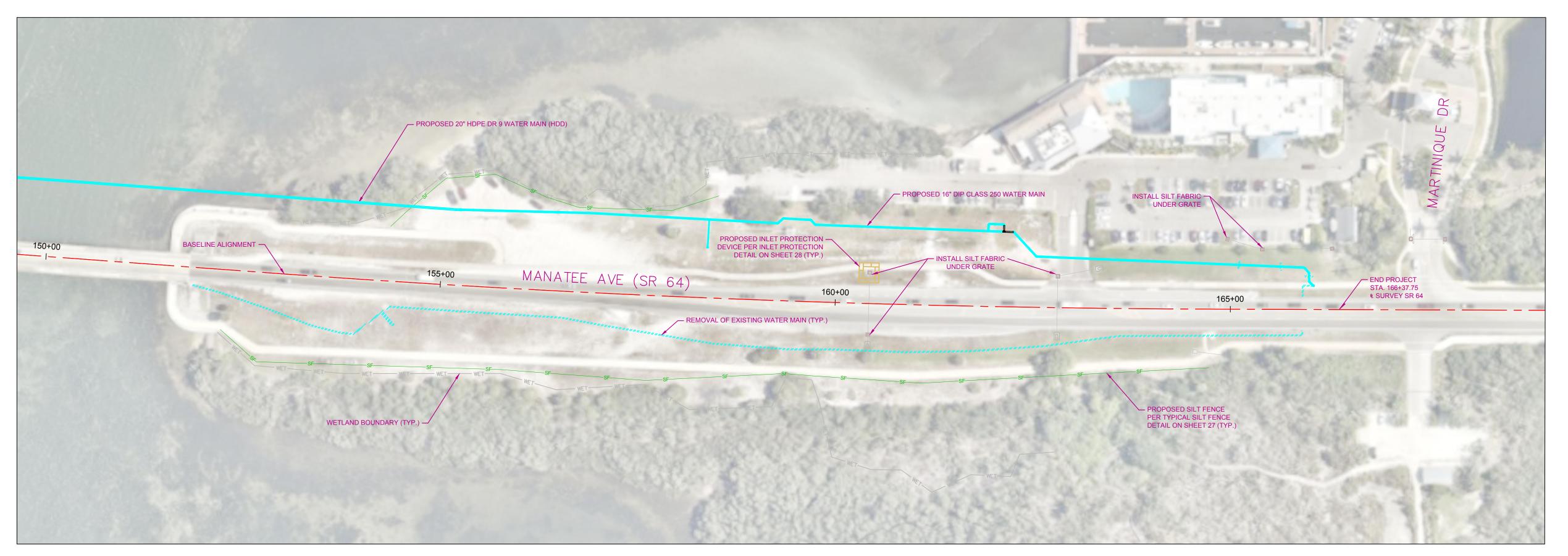


12/2024









REVISIONS DATE BY

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200 CENTRAL AVENUE, SUITE 600, ST. PETERSBURG, FL 33701 PHONE: 727-547-3999

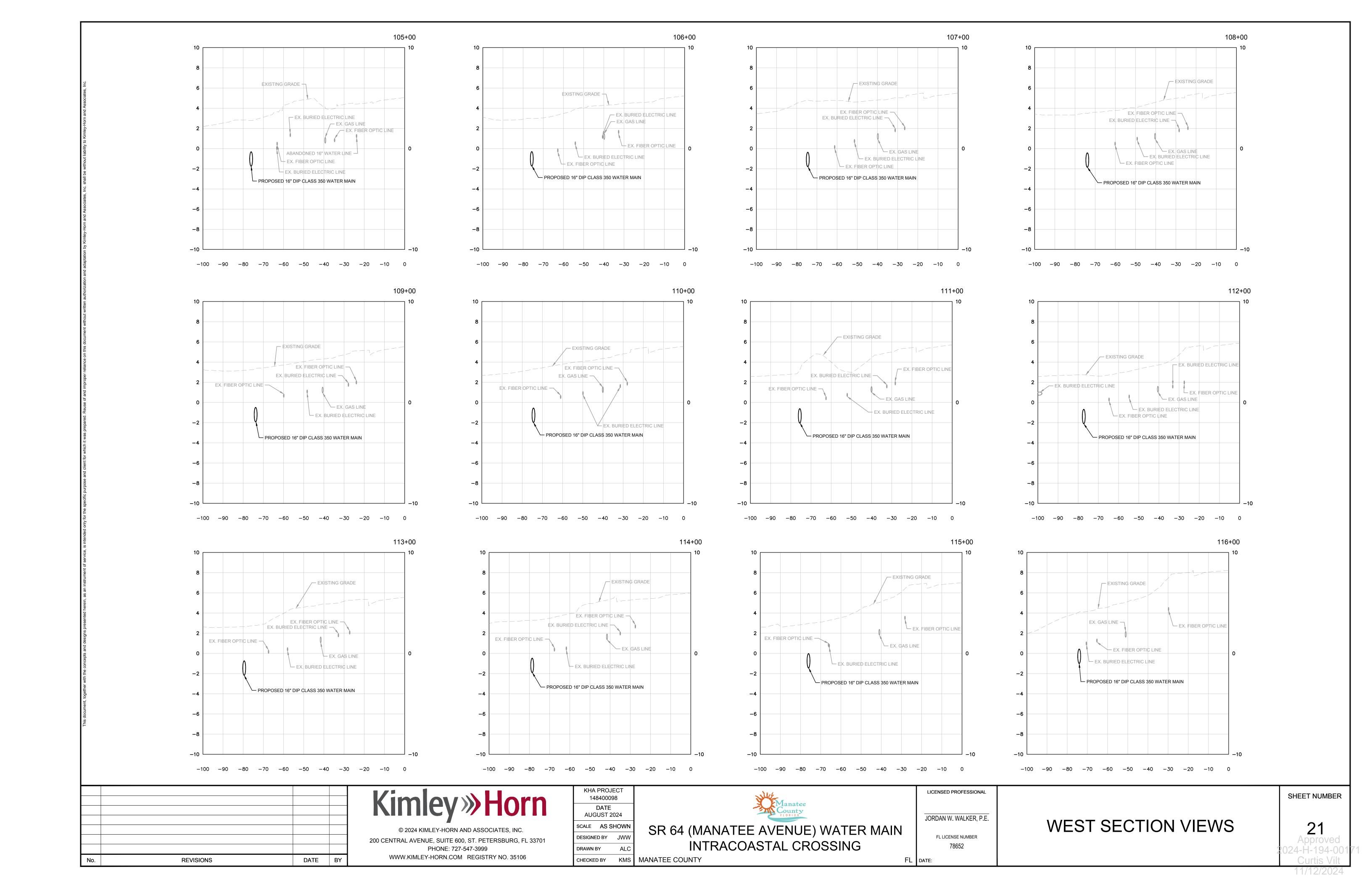
KHA PROJECT 148400098 DATE AUGUST 2024 ESIGNED BY JWW

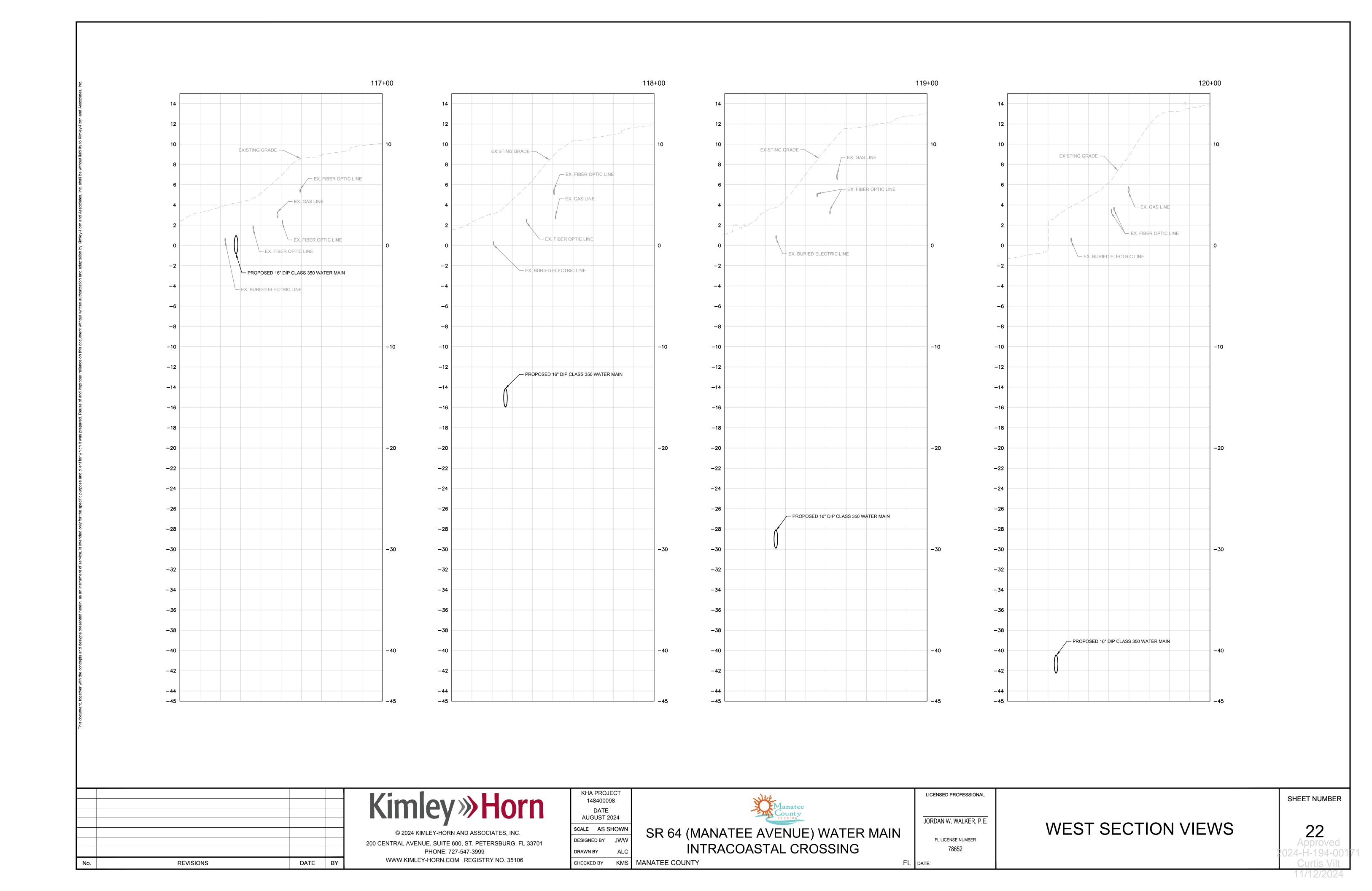
SR 64 (MANATEE AVENUE) WATER MAIN INTRACOASTAL CROSSING KMS MANATEE COUNTY FL DATE:

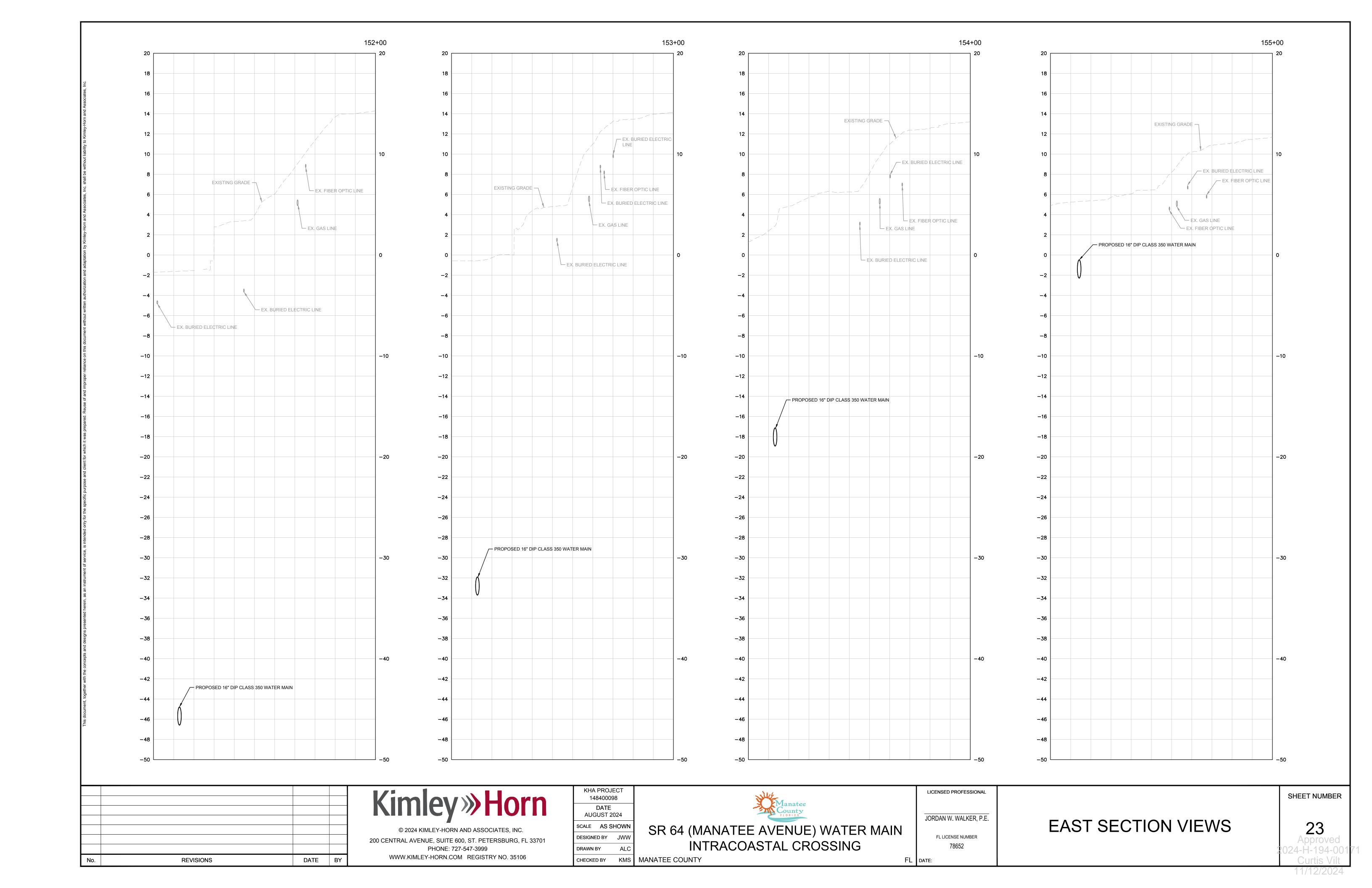
LICENSED PROFESSIONAL JORDAN W. WALKER, P.E. FL LICENSE NUMBER

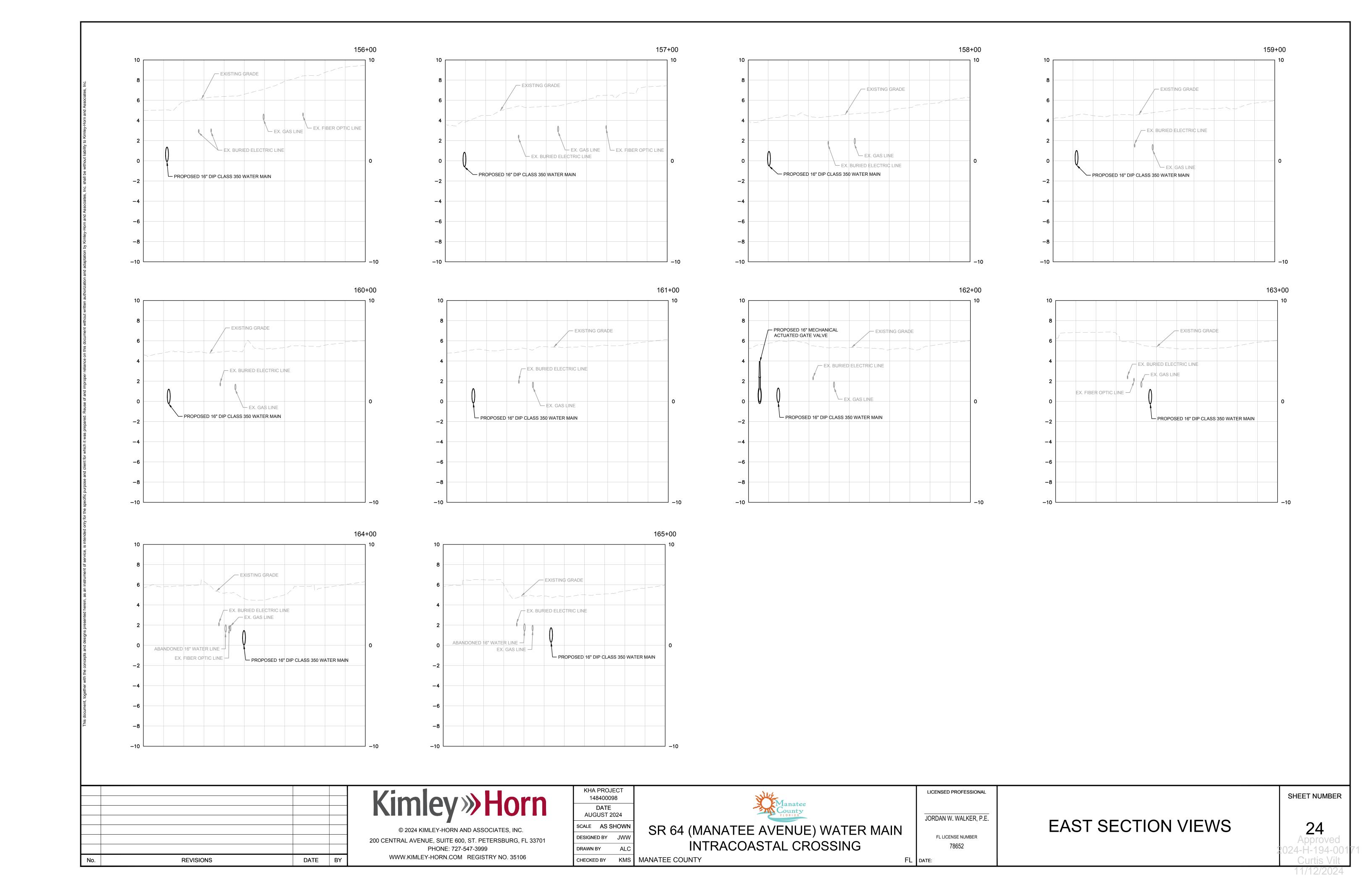
STORM WATER POLLUTION PREVENTION PLAN

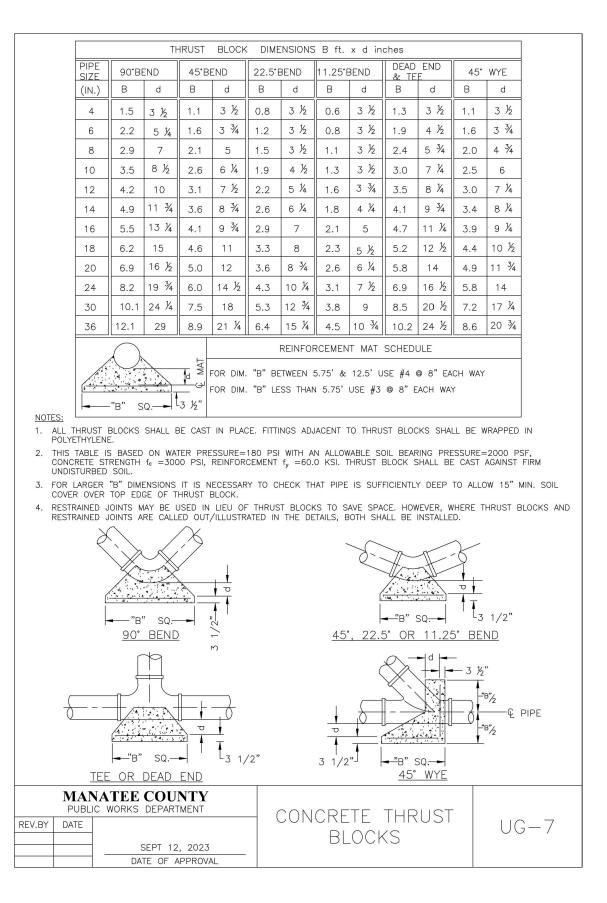
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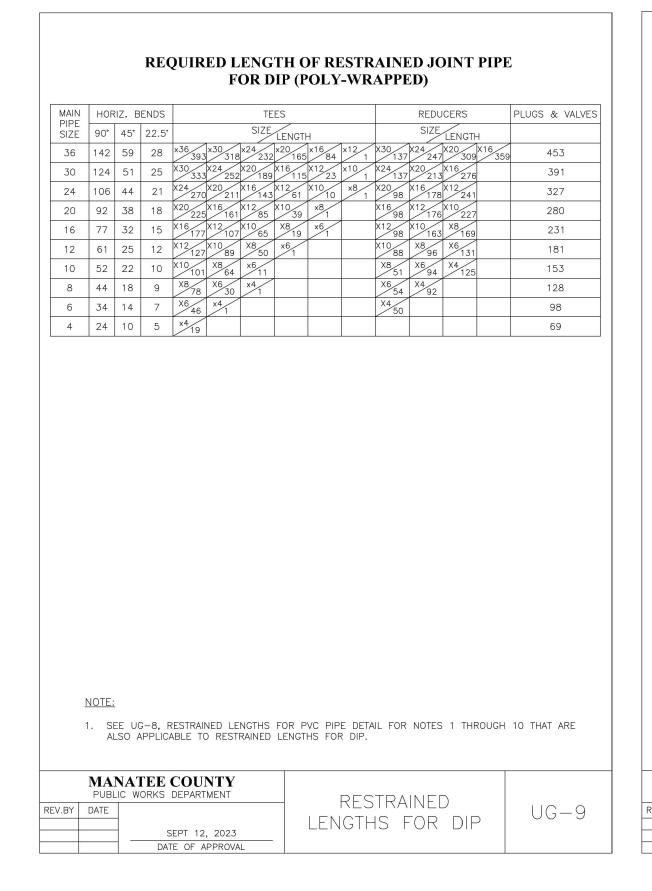


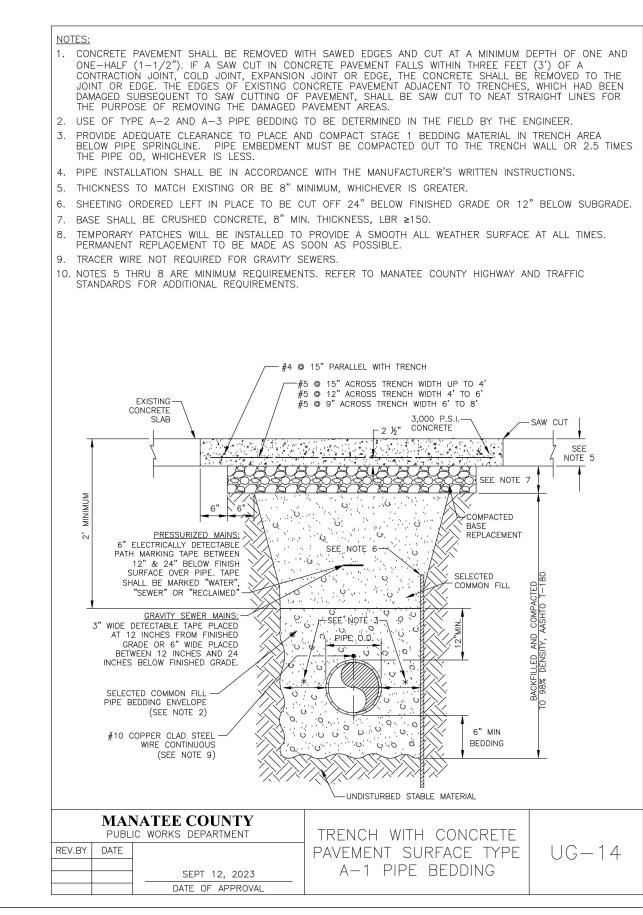


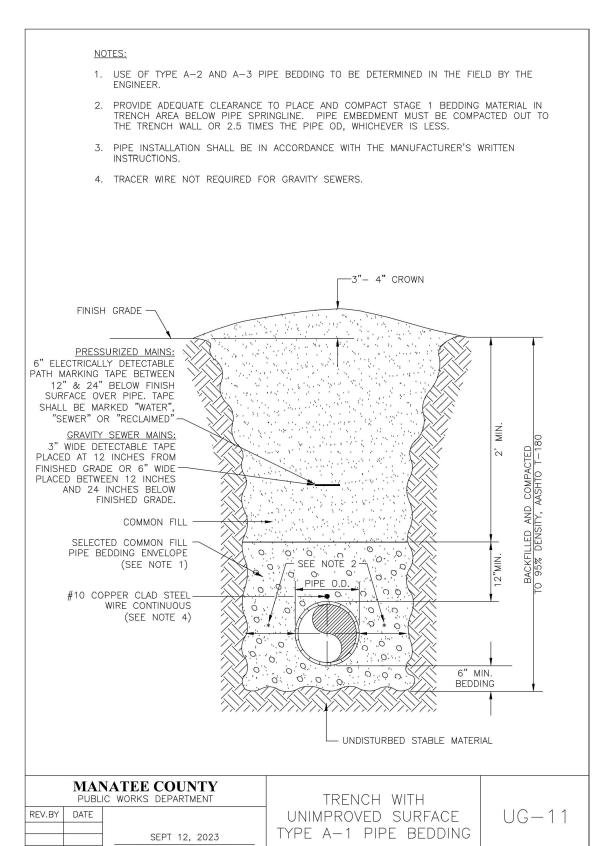


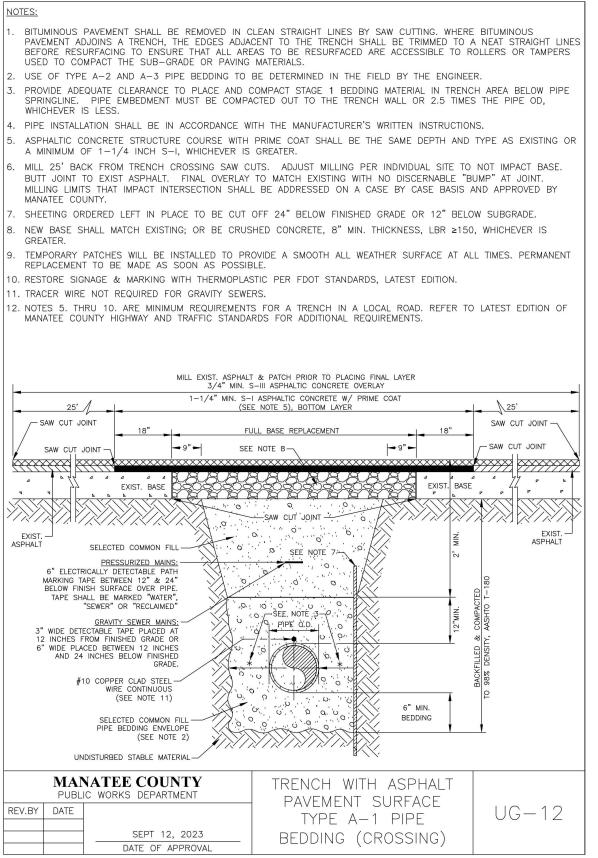


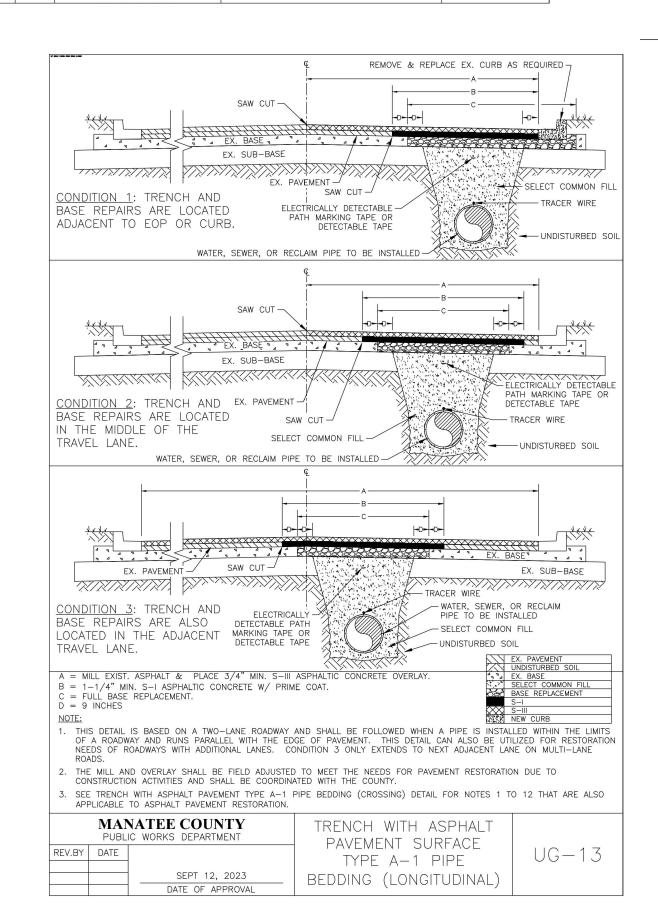












HORIZONTAL BEND

<u>REDUCER</u>

CAP OR PLUG

ISOLATION VALVE

RESTRAINED

LENGTHS FOR PIPE

UG - 10

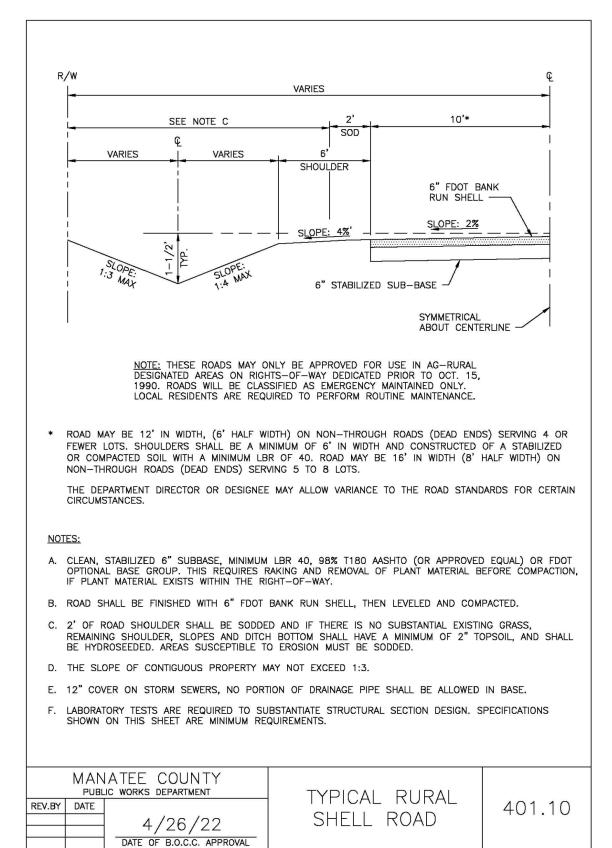
1. SEE DETAIL UG-8 RESTRAINED LENGTHS FOR PVC PIPE FOR NOTES 1 THROUGH 10 THAT ARE

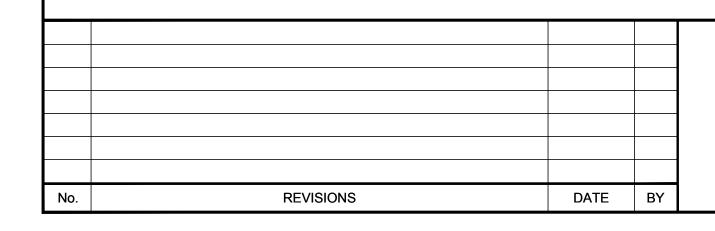
ALSO APPLICABLE TO RESTRAINED LENGTHS FOR PIPE.

NOTE:

MANATEE COUNTY

SEPT 12, 2023





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WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT
148400098

DATE
AUGUST 2024

SCALE AS SHOWN
DESIGNED BY JWW
DRAWN BY ALC

KMS

MANATEE COUNTY

CHECKED BY

SR 64 (MANATEE AVENUE) WATER MAIN INTRACOASTAL CROSSING

JORDAN W. WALKER, P.E.

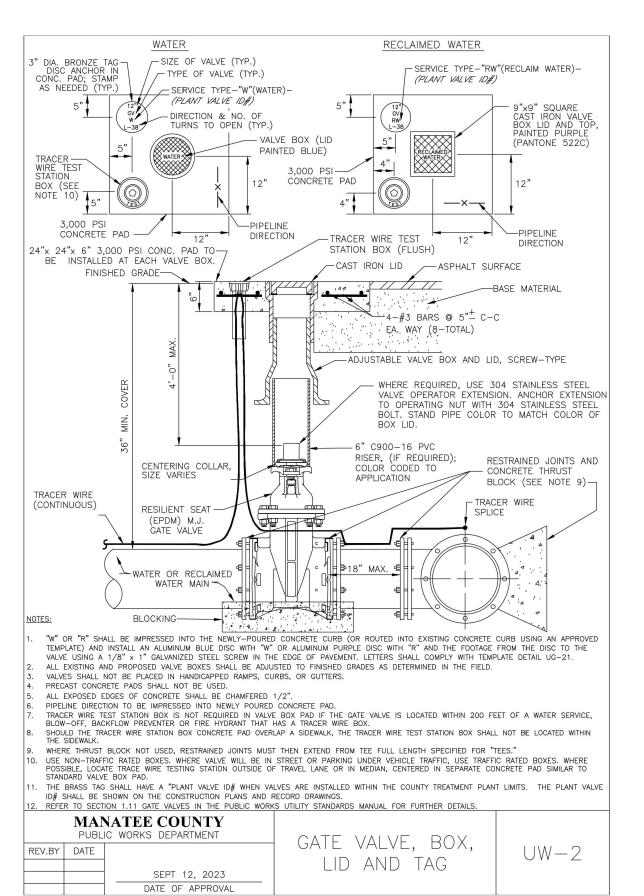
FL LICENSE NUMBER
78652

FL DATE:

DETAILS

SHEET NUMBER

25 Approved 24-H-194-00 Curtis Vilt



OF CURB /

CARRIER — PIPE

PAVEMENT:

LOUBLE SPACERS AT BOTH

ENDS OF CASEMENT PIPE

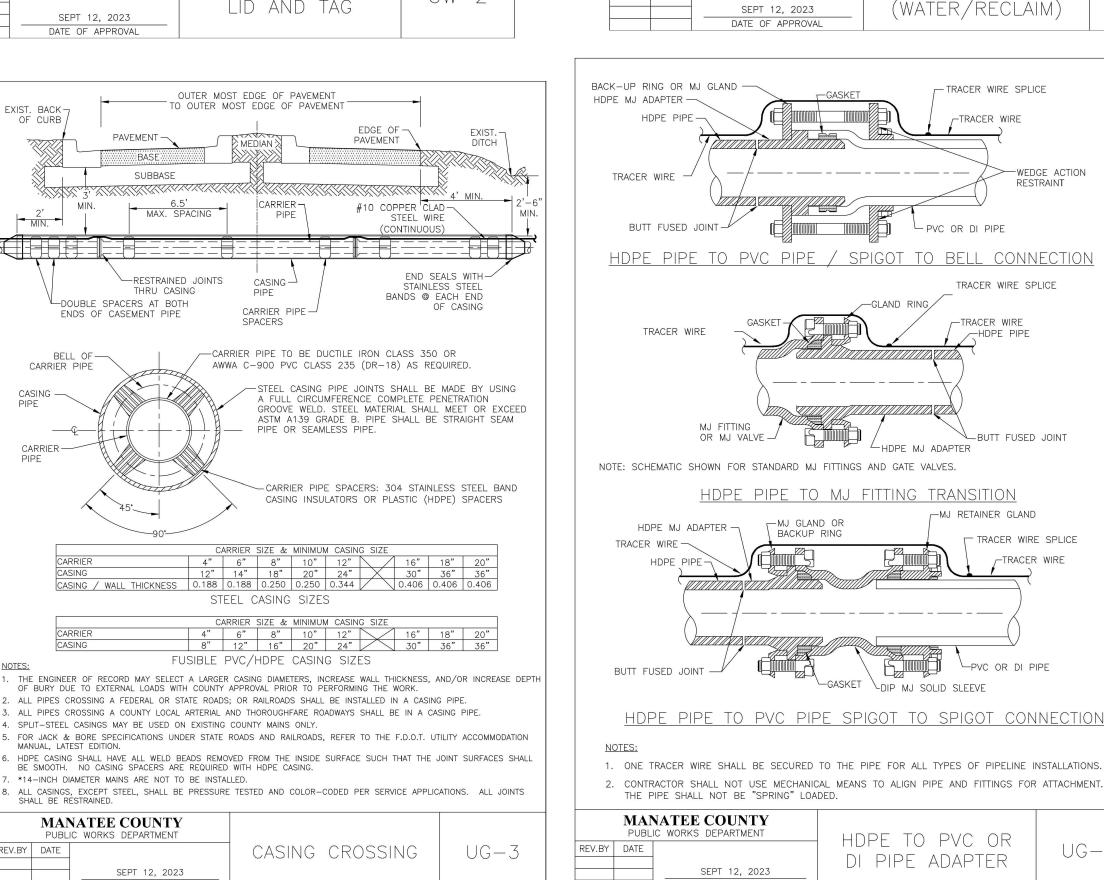
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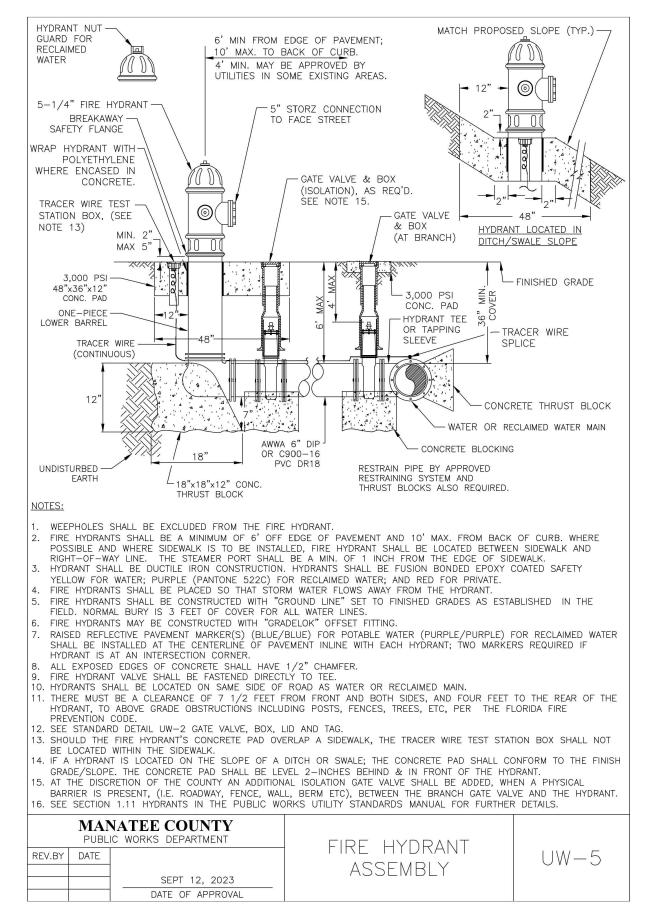
MAX. SPACING

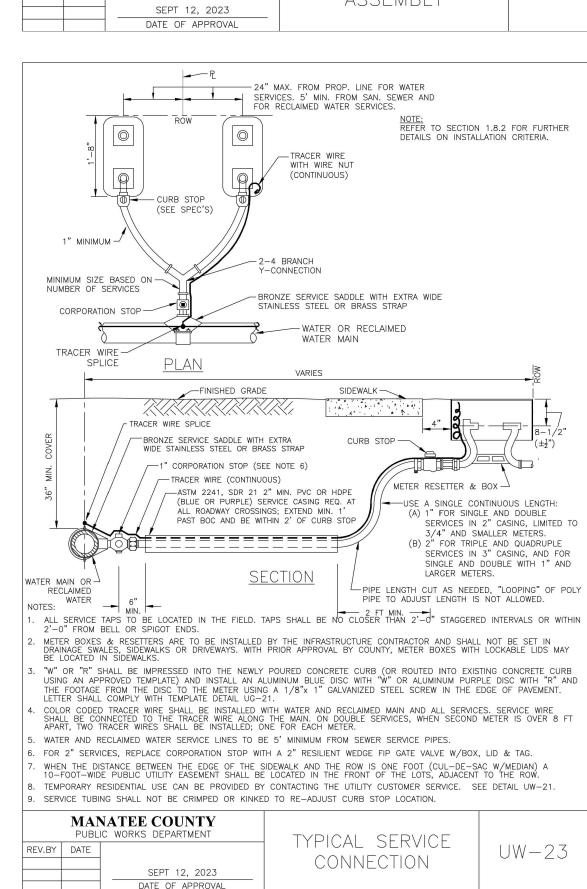
-RESTRAINED JOINTS

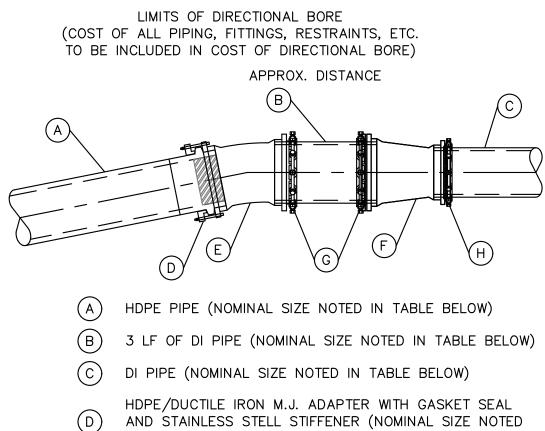
SPACERS

STEEL CASING SIZES







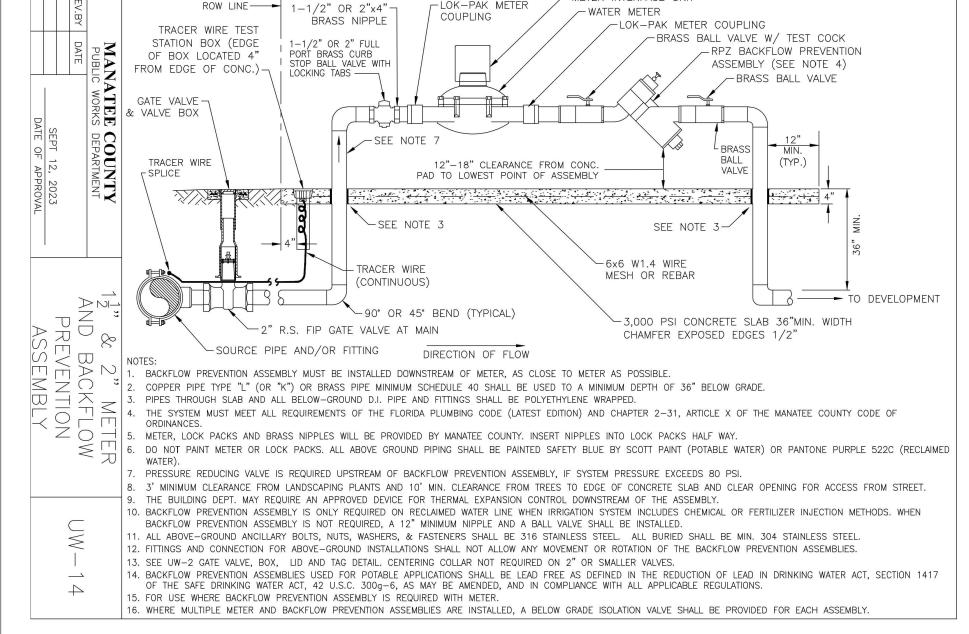


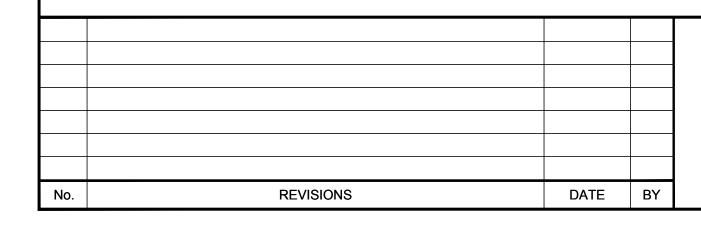
- 11.25° M.J. BEND (SIZE NOTED IN TABLE BELOW). REQUIRED FITTING SUBJECT TO CHANGE PER PLAN AND PROFILE
- M.J. REDUCER (SIZE NOTED IN TABLE BELOW). REQUIRED FITTING SUBJECT TO CHANGE PER PLAN AND PROFILE SHEETS.
- DI PIPE/M.J. JOINT RESTRAINT (SIZE NOTED IN TABLE BELOW)
- DI PIPE/M.J. JOINT RESTRAINT (SIZE NOTED IN TABLE BELOW)

DIAMETER OF DRILL PIPE	(4)	В	0	(<u>a</u>)	(E)	F	(O)	(Ξ)
6"	6"	6"	4"	6"	6"	6"x4"	6"	4"
8"	8	8"	6"	8"	8"	8"x6"	8"	6"
10"	10"	10"	8"	10"	10"	10"x8"	10"	8
12"	12"	12"	10"	12"	12"	12"x10"	12"	10"
16"	16"	16"	12"	16"	16"	16"x12"	16"	12"
18"	18"	18"	16"	18"	18"	18"x16"	18"	16"
20"	20"	20"	16"	20"	20"	20"x16"	20"	16"
24"	24"	24"	20"	24"	24"	24"x20"	24"	20"



- METER INTERFACE UNIT





4. SPLIT-STEEL CASINGS MAY BE USED ON EXISTING COUNTY MAINS ONLY.

. *14-INCH DIAMETER MAINS ARE NOT TO BE INSTALLED.

DATE OF APPROVA

MANATEE COUNTY

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KHA PROJECT 148400098 DATE AUGUST 2024 SCALE AS SHOWN DESIGNED BY JWW

DRAWN BY

CHECKED BY

KMS

UG-6

-TRACER WIRE TEST

- TAPPING VALVE

-TRACER WIRE

(CONTINUOUS)

RESTRAINED JOINT

---FULL-FACE EPDM

UW-3

RUBBER GASKET 1/8" THK. MIN.

__BLOCKING

VALVE BOX

STATION BOX

FINISHED GRADE-

TRACER WIRE

SPLICE

PROVIDE 316

S.S. TEST

EXISTING MAIN

ELEVATION

PRIOR TO TAPPING, CONTRACTOR TO DEMONSTRATE 60 MINUTE HYDROSTATIC TEST OF THE TAPPING SLEEVE.

3. ALL TAPS ON CONCRETE WATER MAINS AND LARGER THAN 12" ARE TO BE MADE BY A MANATEE COUNTY

4. ALL TAPS MUST BE OF A SMALLER SIZE THAN THE MAIN BEING TAPPED & PLACED NO CLOSER THAN 30"

OR A DISTANCE EQUAL TO (1) MAIN PIPE DIAMETER PLUS (2) TAP PIPE DIAMETERS (WHICHEVER IS

CONTRACTOR TO SUPPLY A DRY HOLE FOR TAPPING CREW TO WORK IN AND A BACK-HOE TO LOWER

. WHERE THRUST BLOCK NOT USED, RESTRAINED JOINTS MUST THEN EXTEND FROM TEE FULL LENGTH

. SHOULD THE TRACER WIRE STATION BOX CONCRETE PAD OVERLAP A SIDEWALK, THE TRACER WIRE TEST STATION

. SEE SECTION 1.11 TAPPING SLEEVES AND VALVES IN THE PUBLIC WORKS UTILITY STANDARDS MANUAL FOR

IO. "W" OR "R" SHALL BE IMPRESSED INTO THE NEWLY-POURED CONCRETE CURB (OR ROUTED INTO EXISTING

ALUMINUM PURPLE DISC WITH "R" AND THE FOOTAGE FROM THE DISC TO THE VALVE USING A 1/8" x 1'

TAPPING SLEEVE

AND VALVE

-WEDGE ACTION

TRACER WIRE SPLICE

-BUTT FUSED JOINT

TRACER WIRE SPLICE

-TRACER WIRE

CONCRETE CURB USING AN APPROVED TEMPLATE) AND INSTALL AN ALUMINUM BLUE DISC WITH "W" OR

GALVANIZED STEEL SCREW IN THE EDGE OF PAVEMENT. LETTERS SHALL COMPLY WITH TEMPLATE DETAIL

AND VALVE WITH NO LOSS OF 180 PSI PRESSURE FOR WATER AND RECLAIMED WATER.

2. ALL FITTINGS TO BE WRAPPED WITH 20 MIL POLYETHYLENE WRAP AT THRUST BLOCK.

APPROVED TAPPING COMPANY. ALL MATERIALS TO BE SUPPLIED BY THE CONTRACTOR.

. TRACER WIRE TEST STATION BOX IS REQUIRED AT CONNECTIONS TO EXISTING MAINS.

- SELECTED COMMON FILL

FPOXY COATED

SLEEVE W/ 304

SS HARDWARE OR

316 S.S. TAPPING

UNDISTURBED -

THRUST BLOCK

WRAP IN POLYETHYLENE -

GREATER) FROM A JOINT OR FITTING.

TAPPING MACHINE INTO THE HOLE.

MANATEE COUNTY

PUBLIC WORKS DEPARTMENT

BOX SHALL NOT BE LOCATED WITHIN THE SIDEWALK.

SPECIFIED FOR "TEES."

FURTHER DETAILS.

(SEE NOTE 6)

SR 64 (MANATEE AVENUE) WATER MAIN INTRACOASTAL CROSSING MANATEE COUNTY

JORDAN W. WALKER, P.E. FL LICENSE NUMBER 78652

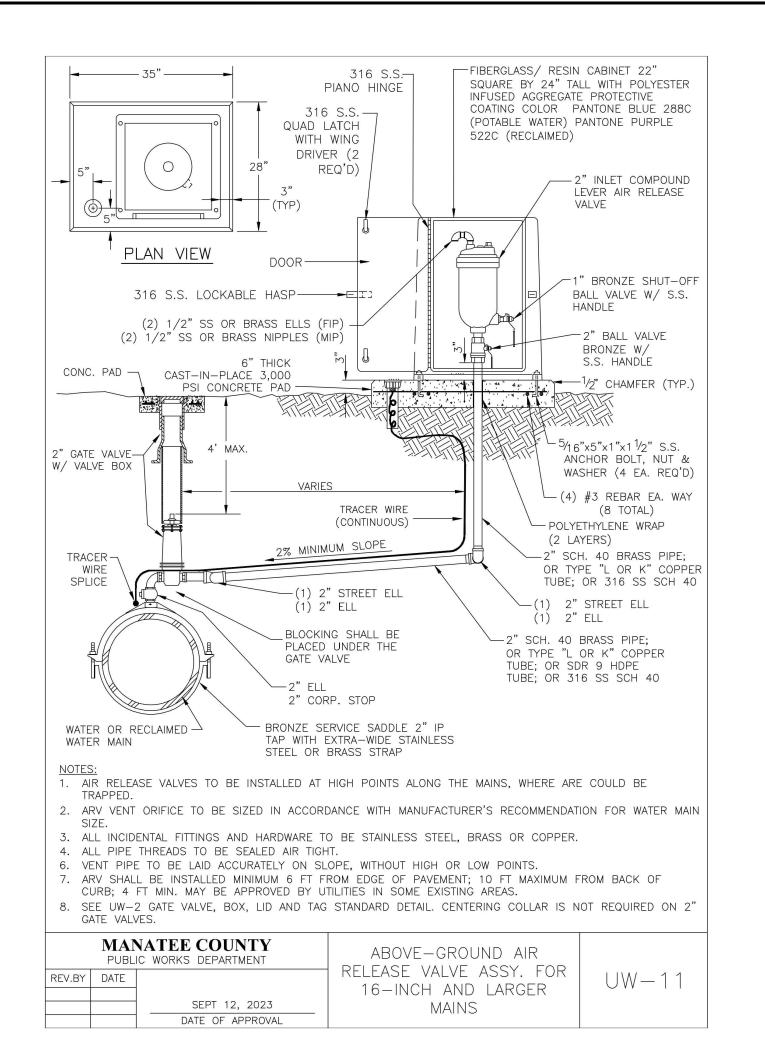
FL DATE:

LICENSED PROFESSIONAL

DETAILS

SHEET NUMBER

26



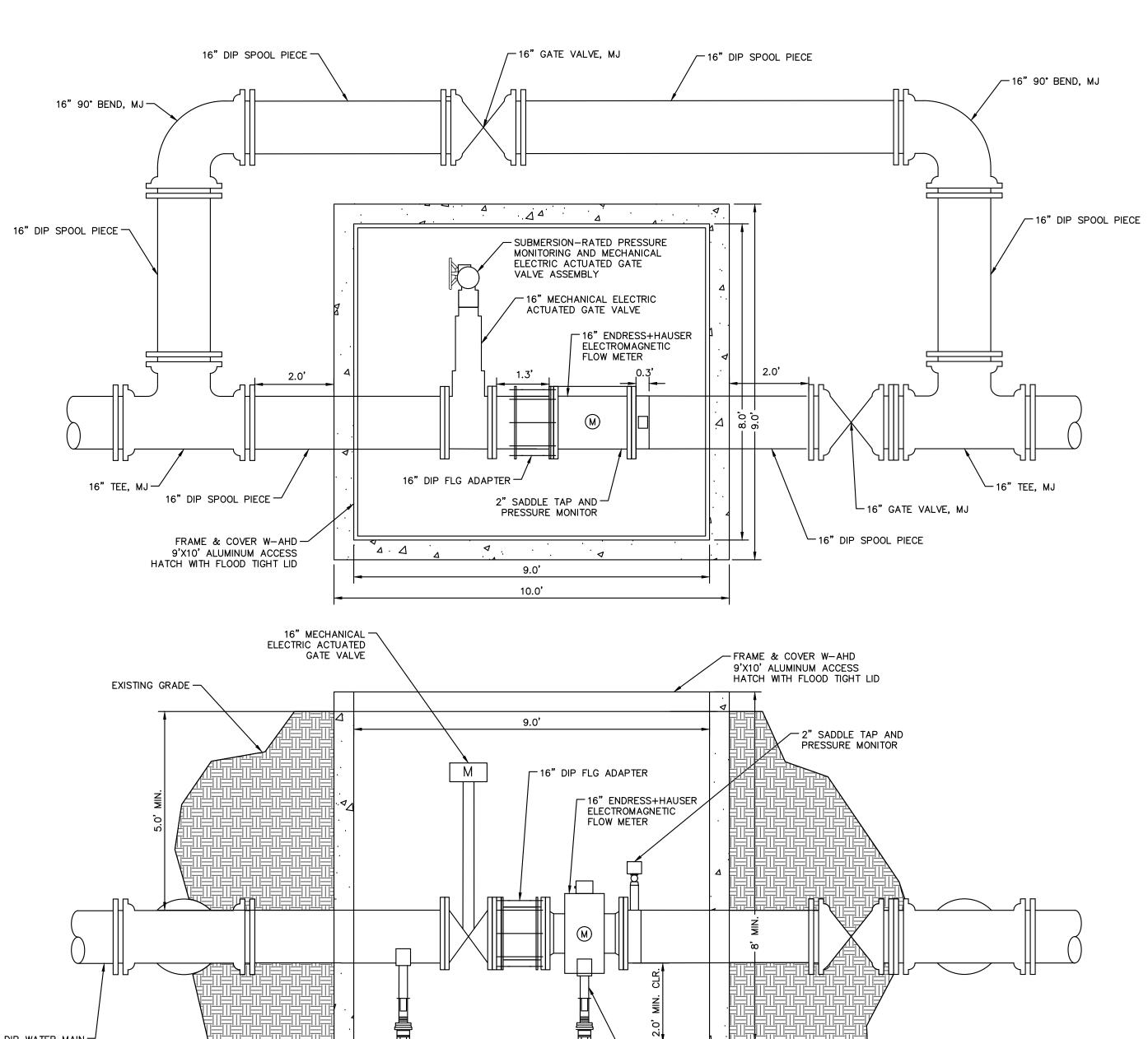
POST (OPTIONS 2"x2"x5 1/2' HIGH OR

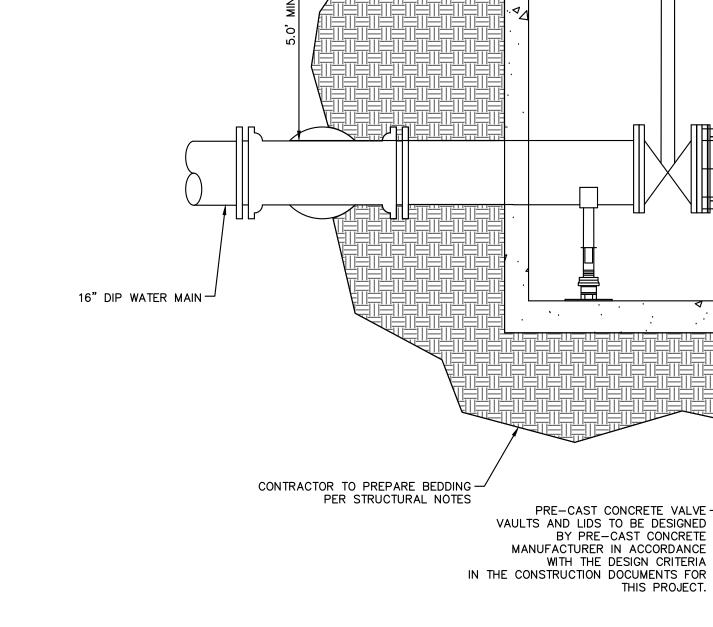
STRUCTURAL NOTES:

- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION AND ORDERING EQUIPMENT. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCIES.
- 2. CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING EQUIPMENT, UTILITIES, STRUCTURES, AND PERSONNEL FROM DAMAGE OR INJURY DURING CONSTRUCTION.
- 3. STRUCTURAL DRAWINGS SHALL BE WORKED TOGETHER WITH MECHANICAL AND ELECTRICAL DRAWINGS TO PROPERLY LOCATE WALL PIPES, PIPE SLEEVES, ANCHOR BOLTS, BLOCKOUTS, ETC. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD BEFORE PROCEEDING WITH THE WORK.
- 4. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT FLOATATION OF STRUCTURES FULLY UNTIL CONSTRUCTED AND BACKFILL IS IN PLACE AND COMPACTED.
- 5. DESIGN CRITERIA AND LOADS:
 ACI 350-CONCRETE SANITARY ENGINEERING STRUCTURES
 ACI 318-BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ASTM
 C 478-STANDARD SPECIFICATIONS FOR PRECAST REINFORCED CONCRETE
 MANHOLE SECTIONS.
- DESIGN LIVE LOADS: AASHTO HS-20.
 REQUIRED ALLOWABLE SOIL BEARING CAPACITY= 2000 PSF.
 CONTRACTOR'S GEOTECHNICAL ENGINEER TO VERIFY PRIOR TO FABRICATION AND CONSTRUCTION.
- 6. CONCRETE SHALL HAVE A MINIMUM 4000 28-DAY COMPRESSIVE STRENGTH FOR VAULT LID AND MINIMUM COMPRESSIVE STRENGTH PER SPECIFICATIONS FOR SLAB ON GRADE.
- 7. REINFORCING STEEL SHALL CONFORM TO ASTM 615 GRADE 60.

 8. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.

 9. CLEARANCE OF REINFORCING STEEL FROM THE FACE OF CONCRETE TO
- 9. CLEARANCE OF REINFORCING STEEL FROM THE FACE OF CONCRETE TO THE OUTERMOST TIE OR BAR SHALL BE 2", UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- 10. REMOVE ALL ORGANIC TOPSOIL, SURFACE VEGETATION, DEBRIS, ETC. A MINIMUM OF 6 INCH LIMEROCK BEDDING COMPACTED TO 98 % RELATIVE DENSITY SHALL BE PLACED UNDER THE WET WELL BASE SLABS. DEWATER EXCAVATION DURING WET WELL INSTALLATION. ALL WORK TO BE DONE IN THE "DRY".





WATER MAIN PRESSURE MONITORING AND VALVE ASSEMBLY EAST APPROACH DETAIL (N.T.S.

\ 3" MIN. DIA. WOOD, STEEL 1.33 LBS/FT. MIN.)	20° TOWARD FLOW)
\ 10' MAX.	20°±
	OPTIONAL POST POSTION
	FILTER FABRIC (IN CONFORMANCE WITH SEC. 985 FDOT SPECIFICATIONS) EX. GRADE
<u>ELEVATION</u>	1'
TYPICAL SILT FENCE	E DETAIL ##

PRINCIPLE POST—

POSITION (CANTED

No.	REVISIONS	DATE	BY

Kimley» Horn

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PHONE: 727-547-3999

WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT
148400098

DATE
AUGUST 2024

SCALE AS SHOWN
DESIGNED BY JWW

DRAWN BY

CHECKED BY

MANATEE COUNTY

SR 64 (MANATEE AVENUE) WATER MAIN INTRACOASTAL CROSSING

JORDAN W. WALKER, P.E.

FL LICENSE NUMBER
78652

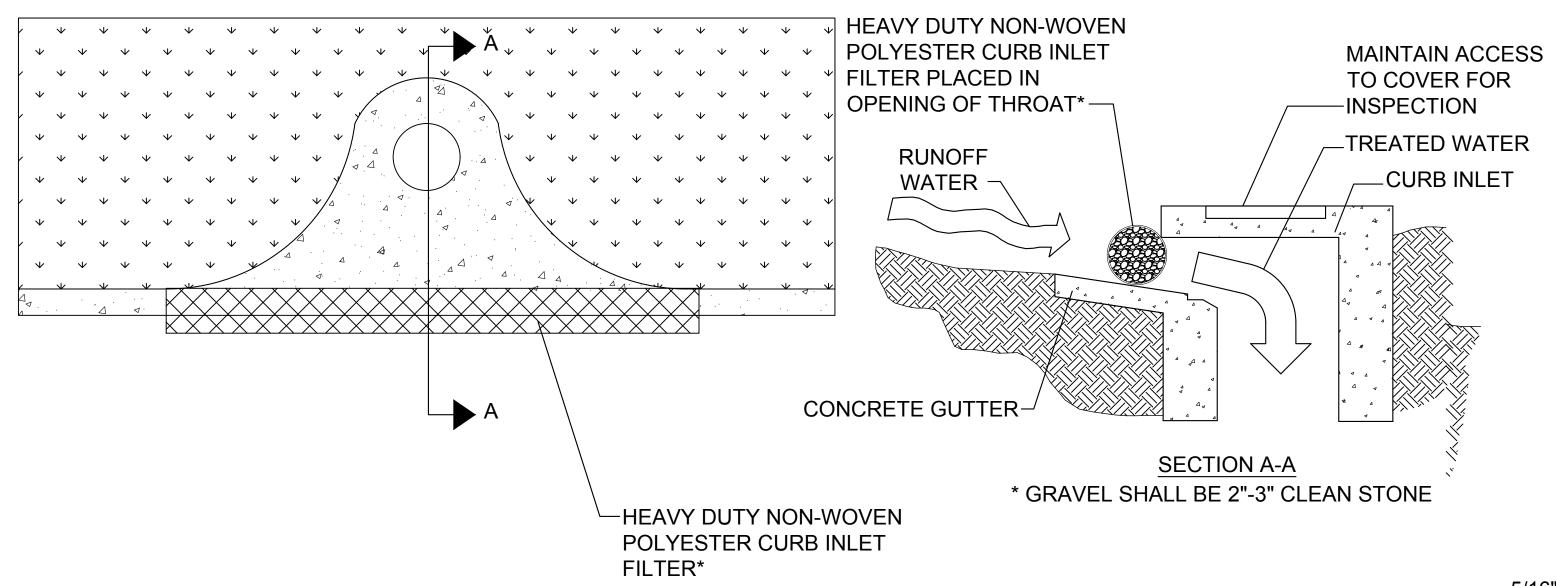
FL DATE:

DETAILS

- ADJUSTABLE STAINLESS STEEL SADDLE PIPE SUPPORT (TYP.)

27 Approved

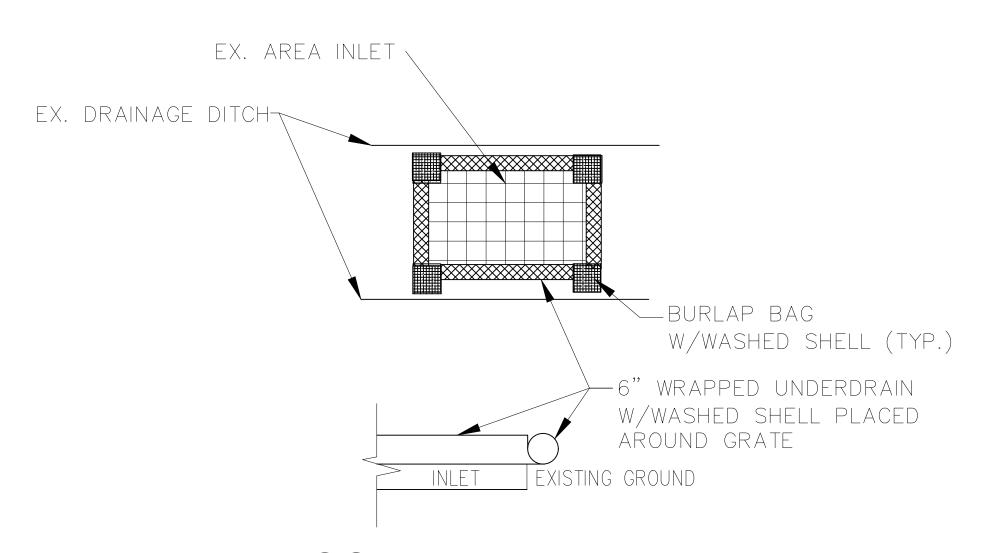
SHEET NUMBER



*WEIGHTED EROSION EELS MAY BE USED AS AN ALTERNATE

SOCK DRAIN INLET PROTECTION

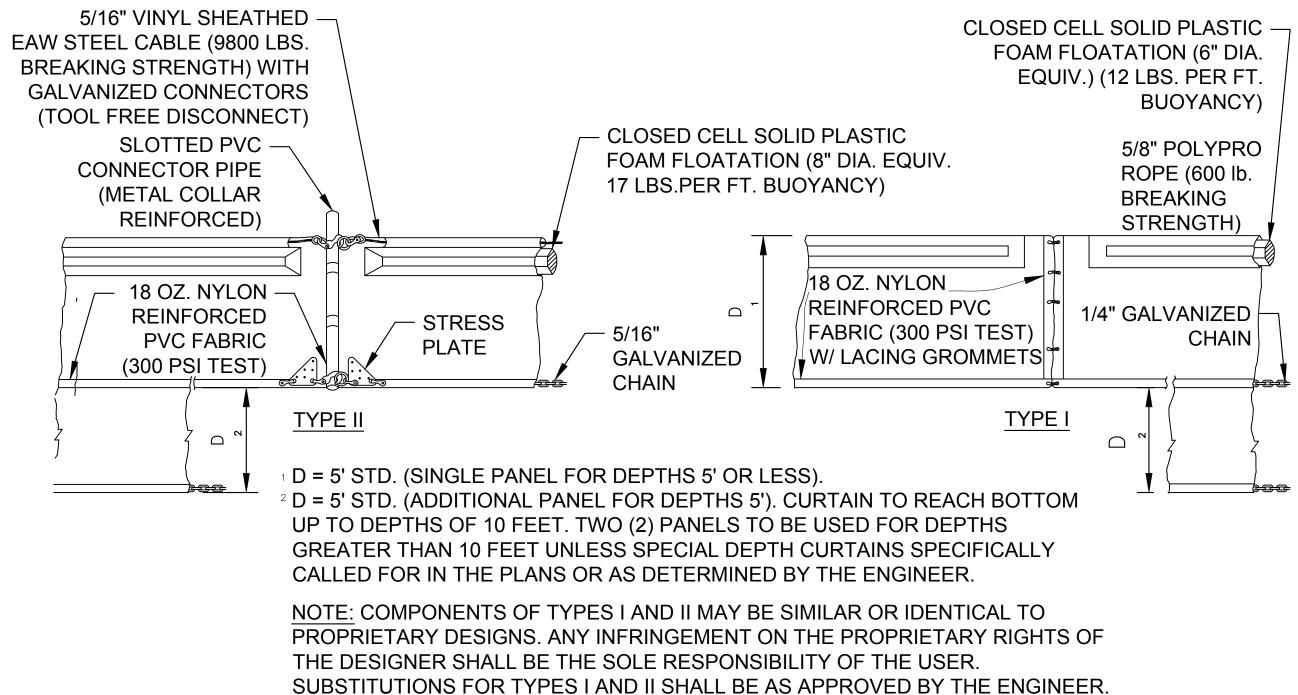
N.T.S.



COMPLETED INLET

INLET PROTECTION DETAIL

N.T.S.



FLOATING TURBIDITY BARRIERS

N.T.S

No.	REVISIONS	DATE	BY	
•				

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JORDAN W. WALKER, P.E.

FL LICENSE NUMBER
78652

FL DATE:

DETAILS

SHEET NUMBER

28 Approved 4-H-194-00



GENERAL COMMENT STAMPS

THE FDOT MUST BE NOTIFIED TWO (2) BUSINESS DAYS IN ADVANCE OF STARTING WORK AND THAT NO LANE CLOSURES ARE REQUIRED BY CONTACTING (941)708-4400. FAILURE TO CALL MAY RESULT IN A DELAY TO BEGIN WORK.

IF A LANE CLOSURE IS WITHIN THE PROJECT LIMITS, THE PERMITTEE MUST NOTIFY THE FDOT TWO (2) WEEKS PRIOR TO A LANE CLOSURE TO ALLOW THE FDOT TO INFORM THE MOTORING PUBLIC. FAILURE TO CALL MAY RESULT IN A DELAY TO BEGIN WORK.

LANE CLOSURES AND/OR WORK ACTIVITIES MAY BE RESTRICTED BY THE FDOT DUE TO HEAVY TRAFFIC AND THE POTENTIAL FOR BACKUPS CAUSED BY THESE ACTIVITIES. NIGHT WORK WILL BE REQUIRED AS THE ALTERNATE TIME FOR THESE ACTIVITIES.

THE PERMITTEE IS <u>RESPONSIBLE</u> FOR NOTIFYING OWNERS OF ALL EXISTING AERIAL AND UNDERGROUND UTILITIES OF A PROPOSED DRIVEWAY AND RESOLVING ANY CONFLICTS BEFORE CONSTRUCTION BEGINS.

IN ACCORDANCE WITH FL STATUTE 335.18, THE PERMITTEE SHALL BE REQUIRED TO BEAR THE COST OF FUTURE ACCESS MODIFICATIONS, TRAFFIC CONTROL DEVICES OR OTHER IMPROVEMENTS, WHEN DETERMINED BY THE FDOT TO BE IN CONJUNCTION WITH ACCEPTED ENGINEERING PRACTICES.

ALL LANE CLOSURES, CONSTRUCTION AND MAINTENANCE ACTIVITIES IN FDOT'S RIGHT-OF-WAY SHALL CONFORM TO THE CURRENT FHWA'S MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE CURRENT FDOT'S STANDARD PLANS FOR ROAD CONSTRUCTION.

THE PERMITTEE MUST WAIT AT LEAST FOURTEEN (14) DAYS AFTER CONSTRUCTING THE FINAL ASPHALT SURFACE COURSE TO PLACE THERMOPLASTIC PAVEMENT MARKINGS.

ALL CONTRACTORS/SUBCONTRACTORS OF THE PERMITTEE SHALL BE <u>RESPONSIBLE</u> FOR COMPLIANCE WITH THE PERMITTED M.O.T. PLAN.

<u>ALL</u> PORTIONS OF DISTURBED RIGHT-OF-WAY <u>WILL</u> BE SODDED WITHIN SEVENTY-TWO (72) HOURS OF COMPLETION OF WORK.

ALL ABOVE GROUND APPURTENANCES ARE TO BE LOCATED AT FDOT'S RIGHT-OF-WAY LINE.

COMPACTION, DENSITY TESTING AND THEIR REPORTS ARE TO BE COMPLETED, SUBMITTED AND APPROVED BY THE EOR PRIOR TO THE PLACEMENT OF ANY PAVEMENT.

PRIOR TO EXCAVATING, CONTACT THE CLERK OF THE CIRCUIT COURT FOR POSSIBLE GASOLINE CONFLICTS.

THE APPLICANT SHALL NOT, DURING AND AFTER COMPLETION OF PERMITTED CONSTRUCTION, INTRODUCE ANY FORM OR METHOD OF SITE DRAINAGE DISCHARGE INTO THE DRAINAGE FACILITIES ON THE FDOT'S RIGHT-OF-WAY OR EASEMENT. ANY DISCHARGE SHALL BE IN VOILATION OF THIS PERMIT.

THE PERMITTEE IS CAUTIONED THAT UTILITIES MAY BE LOCATED WITHIN THE CONSTRUCTION AREA.

IT IS THE RESPONSIBILITY OF THE PERMITTEE TO DETERMINE AND COMPLY, IN ADDITION TO FDOT REQUIREMENTS, WITH ALL COUNTY AND MUNICIPAL ORDINANCES THAT ARE RELATIVE TO THE ACTIVITIES DESCRIBED ON THIS PERMIT.

N.P.D.E.S. <u>REQUIRES</u> THAT STORM WATER CONTROL MEASURES BE IMPLEMENTED ON ANY PROJECT ON PUBLIC TRANSPORTATION FACILITY RIGHTS-OF-WAY INCLUDING, BUT NOT LIMITED TO MEASURES DESCRIBED IN THE CURRENT FDOT STANDARD PLANS FOR ROAD CONSTRUCTION.

IF A CONSTRUCTION, RECONSTRUCTION, REPAIR OR MAINTENANCE ACTIVITY NECESSITATES THE CLOSING OF ONE (1) OR MORE TRAVEL LANES OF ANY ROAD ON THE STATE, COUNTY OR CITY ROAD SYSTEMS, FOR A PERIOD OF TIME EXCEEDING TWO (2) HOURS, THE PERMITTEE PERFORMING SUCH WORK WILL BE RESPONSIBLE TO GIVE NOTICE TO THE APPROPRIATE LOCAL LAW ENFORCEMENT AGENCY WITH JURISDICTION OVER SAID ROAD PRIOR TO COMMENCING WORK ON THIS PROJECT.

ADHERE TO <u>ALL</u> INSTRUCTIONS/REQUIREMENTS IN THE CURRENT UTILITY ACCOMODATIONS MANUAL.



FLORIDA DEPARTMENT OF TRANSPORTATION STORMWATER POLLUTION PREVENTION



The Law

The Federal Clean Water Act was established in 1972 to protect our waterways. As a result, the National Pollutant Discharge Elimination System (NPDES) program was developed. The NPDES permit program addresses water pollution by regulating point sources that discharge pollutants to surface waters. The Florida Department of Environmental Protection (FDEP) administers the NPDES program for Municipal Separate Storm Sewer Systems (MS4) and Construction activities.

CONSTRUCTION ACTIVITIES

Is your construction site regulated?

Yes, if your construction activity will ultimately disturb one acre or more and has the potential to discharge stormwater to surface waters or into a MS4. Disturbance includes clearing, grading, excavation, and demolition.

➤ What are you required to do?

- ✓ Prepare and implement a Stormwater Pollution Prevention Plan (SWPPP)
- ✓ Submit a Notice of Intent (NOI or application) and the appropriate fee to FDEP
- ✓ Submit a Notice of Termination (NOT) to FDEP and to the local MS4 once the site meets the eligibility requirements for termination

For more information on NPDES Stormwater Construction Activities, contact FDEP for more information at (866) 336-6312 or visit http://www.dep.state.fl.us/water/stormwater/index.htm.

HOW CAN YOU HELP STOP STORMWATER POLLUTION?

- ✓ Do not pour oil or any chemicals down any storm drain or in the street
- ✓ Use fertilizers and herbicides carefully and only use the recommended amount*
- ✓ Report illicit discharges**
- ✓ Recycle used oil and dispose of chemicals properly. For more information on the proper disposal of wastes contact FDEP at (850) 245-8707 or visit: http://www.dep.state.fl.us/waste/categories/hwRegulation/
- ✓ Maintain proper sediment and erosion controls on your construction site



AATII 'A TO

*Contact your Cou	nty Agricultural F	**Illicit Discharges: Report any material				
pest and weed prob	• 0	other than stormwater being discharged into				
pest and weed prob	dellis.			a storm drain or into the street.		
Co	ounty Agricultura	al Extension Office	,	County / FDOT Environmental Contac		
Charlotte Co.	(941) 764-4340	Highlands Co.	(863) 402-6540	Charlotte Co.	(941) 575-3632	
Collier Co.	(239) 252-4800	Lee Co.	(239) 533-7505	Highlands Co.	(863) 402-6500	
DeSoto Co.	(863) 993-4846	Manatee Co.	(941) 722-4524	Lee County	(239) 533-9400	
Glades Co.	(863) 946-0244	Okeechobee Co.	(863) 763-6469	Manatee County	(941) 748-4501	
Hardee Co.	(863) 773-2164	Polk Co.	(863) 519-8677	Polk County	(863) 534-7377	
Ш1С	(9.62) 674 4002	Sarasota Co.	(941) 861-9900	Sarasota County	(941) 861-5000	
Hendry Co.	(863) 674-4092			FDOT Right of Way	(863) 519-2762	
FDOT M	IAINTENANCE	YARDS		State Watch Office		
Arcadia O	perations	(863) 993-4634	SPILL	(Spill Report Hotline	(800) 320-0519	
Dorton Or	De stere On andiana		REPORTING	typically 25 gallons or	(800) 320-0319	
Dartow O _I	Bartow Operations			more)		
Fort Myers (Operations	(239) 985-7800				
Labelle Op	perations	(863) 674-4027	For more information on NPDES stormwater regulations,			
Manatee O	perations	(941) 708-4400	please contact, FDOT District Maintenance, at (863) 519-276			
Sebring O	perations	(863) 386-6104	2024-H-194-00°			