UTILITY PERMIT

PERMIT NO: 2023-H-194-00154

STATE ROAD INFORMATION

County:	Section:	State Road No:	Beginning Mile Post:	Ending Mile Post:
Manatee	13040000	SR 684	0.011	0.750

APPLICANT INFORMATION

	MILICIAN	INFORMATION	
Builder make a join	Owner (UAO) shall be identified in this Applicant Infot permit applicant, as prescribed in Section 2.1(4) of the opticant Information Box. A Utility Builder alone can	ne 2017 Utility Accommodati	ion Manual (UAM), the Utility Builder shall also be
	Utility Agency/Owner (UAO)	Hility Ruilder (only	y applicable when the UAO is a City or County)
Name:	Manatee County	Name:	* **
Contact Person:	Manatee County	Contact Person:	
Address:	1022 26th Avenue East	Address:	
City:	Bradenton	City:	
State:	Florida	State:	
Zip:	34208	Zip:	
Telephone:	(941) 708-7450 ext	Telephone:	
Email:	scott.may@mymanatee.org	Email:	
Eman.	<u>cookimay emiymanatoo.org</u>	Eman.	
		ESCRIPTION	
	quests permission from the Florida Department of Tra ed in the incorporated documentation.	nsportation (FDOT) to const	ruct, operate, and maintain the utilities as described
The SR 684	(Cortez Road) Water and Force	Main Intracoas	tal Crossing project
consists o	f relocating the 24-inch water	main and 20-in	ch force main, via
norizontai Bridge ou	directional drill (HDD), to t tside of the proposed bridge a	ne south side o	t the existing Cortez ater main is approximately
3250 LF of	24' HDPE DR 9 and the force m	nain is approxim	ately 3250 LF of 20' HDPE
DR 9. An ac	dditional ITS Conduit will be	installed along	with the force main via
HDD.			
Utility Work No:			
			l are incorporated into this permit Yes \(\square\) No \(\bar\)
	For FDEP certification, the FDOT agency	report is attached in accorda	ance with UAM Section 2.4.1 (13) Yes 🗹 No 🗌
	TRAFFIC C	ONTROL (TCP)	
□ Ti TCD:11	mply with the following 600 series index(es) 601, 6	02 603 605 660	
	attached and incorporated into this permit application i		tion 2.4.2
A TCP has been	attached and incorporated into this permit application i	n comphance with OAM Sec	uon 2.4.2.
MOT Technician's	contact information (may be supplied at the two (2) bus	iness day notification to FDC	OT):
Name:	Telephone		Email:
T 1140 1/ 11		MENT OF WORK	t t o tot to receive
the beginning date i	ility Builder shall commence actual construction in good s more than sixty (60) calendar days from the date of a listed to make sure no changes have occurred to the treer shall make good faith efforts to expedite the work and	approval, the UAO and/or Ut ansportation facility that wou	tility Builder must review the permit with the FDOT ald affect the permit's continued approval. The UAO
Anticipated Start Da	ute: 9/18/2023		
Calendar days needs	700		A 10 10 10 11 1 1 1 1
Carchadi days needd	to completed		Approved_I
			0000 11 40 4 00 4

Florida Department of Transportation

UTILITY PERMIT

PERMIT NO: 2023-H-194-00154

		APPLI	CANT SIGNATI	URE					
shown in plans and incorpor instructions incorporated inter- aerial and underground, are	ated documents, in com o this permit. The UAO accurately shown on the ication was delivered to	pliance with the U and/or Utility Bu plans of the wor the owners of otl	JAM, all instructions in ilder declares, the local k areas. In accordance ther facilities within the	noted in the FI tion of all exists with UAM S	DOT Special sting utilities ection 2.8, th	d in the above Work Description, Instructions Box, and special that it owns or has an interest in, both the UAO and/or Utility Builder further listed below are the only facility			
Date Notified: Name of other facility owners (attach additional sheets if necessary). 5/2/2022 Brighthouse Networks									
5/2/2022	FPL								
5/2/2022	MCI (Verizon)								
5/2/2022	Manatee Cour	nty (IT)							
5/2/2022	Manatee Cour	nty Utility Op	perations						
U	tility Agency/Owner			Util	ity Builder (v	when applicable)			
Signature: SCOTT MAY (d	ligital signature)	5/9/2023	g:			Deter			
Name (printed): SCOTT		0/0/2020				Date:			
4 /									
Title:			Title						
		FDOT PRO	OJECT INFORM	IATION					
1, 435038-2, 44 This work is re	erated to an a	approved (Jerricy work	Scriedu i	е.				
		FDOT SPE	CCIAL INSTRUC	CTIONS					
Management Syst FDOT while the Maintenance and project's limit	falls withing the falls withing the falls with the fall w	n the limine Manatee ains the sains the sains and sains the sains and sains and sains attached sains age)	its of the Ma e County ATMS system as pa nt. The ATMS d fiber option	anatee C S is own rt of th infrast c commun ent show	county A ned and ne Traff cructure nication as the a	Advanced Traffic operated by the Fic Signal			
			•		ind incorpora	ited into this perinit. Tes No 🗾			
			MIT APPROVA						
	M, all incorporated doc	uments, and spec	ial instructions. Any o	changes to the	approved w	utilities indicated in this Utility Permit ork must be approved by the FDOT's			
Approving Engineer: Dan		gnature)	Date: 10/4	/2023					
Name: Dan									
Title: Cons	sultant Staff								
Notification of Utility Work		Telephone	(941) 708-4400 ext	or	Email:	curtis.vilt@dot.state.fl.us			
	An FDOT R	epresentative is re	equired to be present o	n the worksite	prior to con	nmencement of work. Yes No No			
Rep. Name:		Telephone			Email:	Approved			

Florida Department of Transportation

UTILITY PERMIT

PERMIT NO: 2023-H-194-00154

CERTIFICATION

I, the undersigned UAO and/or Utility Builder, hereby CERTIFY that the utilitie documents, and special instructions. Pursuant to UAM Section 2.11, all chang into this permit along with all other material certifications, test results, bore log	es have been approved by the FDOT's Approving Engineer and incorporated
I also CERTIFY that work began on and was completed o than when the work began.	n and that the area was left in as good or better condition
Utility Agency/Owner	Utility Builder (when applicable)
Signature: Date Name (printed):	Signature: Name (printed):
Title:	Title:
FINAL INSPECT	
The work was inspected and found to be in non-compliance as noted bel	ow:
	iance and/or FDOT has no outstanding issues that need to be addressed by the see the UAO and/or Utility Builder of their continuing responsibilities pursuant structions.
FDOT Inspector: Date	:
Name:	
Title:	

PERMIT NO.: 2023-H-194-00154	
STATE ROAD INFORMATION:	
NAME OF OTHER FACILITY OWNERS (DATE NOTIFIED.	
NAME OF OTHER FACILITY OWNERS / DATE NOTIFIED: Facility Name: Spectrum, Date Notified: 5/2/2022, Facility Name: TECO / Peoples Gas, Date N	Notified: 5/2/2022
FDOT PROJECT INFORMATION:	
FDOT construction is proposed or underway. Refer to Financial Project Id: 440120-1, 435038- 430204-1	2, 449116-1, 430204-2 and
This work is related to an approved Utility Work Schedule.	
THE WORK WAS INSPECTED AND FOUND TO BE IN NON-COMPLIANCE AS NOTED BELOW:	
	Approved
	Approved 2023-H-194-0015

PERMIT NO.: 2023-H-194-00154

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. 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 684. The PDF file attached to this comment shows the approximate location of the existing ATMS underground infrastructure.
- 2. Based on the permit plans, it appears this project will be installing 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 installing the new 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.
- 3. 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, that NO LANE CLOSURES ARE REQUIRED 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)
- 4. 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.
- 5. Permit work is being proposed during FPN 435038-2 and it will be the RESPONSIBILITY OF THE PERMITTEE TO COORDINATE with the FDOT's contractor, Oceanik, US, Inc. Please contact FDOT's PM, Steve Nappi @ O: 941-979-5476, M: 239-229-5853 or Email: snappi@hardestyhanover.com for COORDINATION efforts.
- 6. All portions of disturbed ROW shall be restored with sod within seventy-two (72) hours of completion of work.

Approved 2023-H-194-00154



CONSTRUCTION PLANS

SR 684 (CORTEZ ROAD) WATER MAIN AND FORCE MAIN INTRACOASTAL CROSSING

MANATEE COUNTY, FLORIDA

SEPTEMBER 2023

MANATEE COUNTY PROJECT #6093070

Vlanatee

ountv

FLORIDA

PROJECT TEAM:

OWNER:

HYATT SURVEY SERVICES, INC MANATEE COUNTY 2012 LENA ROAD 1022 26TH AVE. E. BRADENTON, FL 34208 BRADENTON, FL 34211 CONTACT: ALBERT ROSENSTEIN, P.E., C.P.M. CONTACT: RUSSELL HYATT, P.S.M. 941-708-7450 EXT. 7219 941-748-4693

ENGINEER:

KIMLEY-HORN AND ASSOCIATES, INC. 100 2ND AVENUE SOUTH, SUITE 105N ST. PETERSBURG, FL 33701 CONTACT: JORDAN WALKER, P.E. 727-302-4320

SURVEYOR: McKIM & CREED 1365 HAMLET AVE CLEARWATER, FL 33756 CONTACT: CHRIS BOSSHART, P.S.M.

TECO/PEOPLES GAS

UTILITY CONTACTS:

COMPANY CONTACT TELEPHONE NUMBER

BRIGHTHOUSE NETWORKS GREG COKER 941-723-4430 MCI (VERIZON) JAMES BARRA 813-928-9881 MANATEE COUNTY (IT) BILL KERSEY 941-708-4501 EXT. 5801 MANATEE COUNTY UTILITY OPERATIONS MICHAEL STURM 941-708-7450 FXT 7323 SPECTRUM JAMES CRUZAN 727-329-2846

ANTHONY BAUBLITZN SR.

941-342-4025

GEORGE E. ROLAND, PROFESSIONAL ENGINEER. STATE OF FLORIDA, LICENSE NO. 62338

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KIMLEY-HORN AND ASSOCIATES, INC. 12740 GRAN BAY PARKWAY SUITE 2350 JACKSONVILLE, FL 32258 REGISTRY 35106 GEORGE E. ROLAND, P.E. NO. 62338

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

SHEETS 22-23

JORDAN W. WALKER, PROFESSIONAL ENGINEER

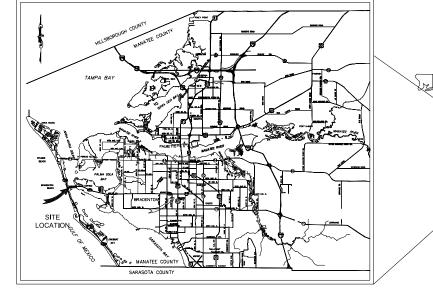
STATE OF FLORIDA, LICENSE NO. 78652

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

KIMLEY-HORN AND ASSOCIATES, INC. 200 CENTRAL AVENUE SUITE 600 ST PETERSBURG, FL 33701 REGISTRY 35106 JORDAN W. WALKER, P.F. NO. 78652

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

SHEETS 1-21 AND 24-27



PROJECT VICINITY MAP

100% SUBMITTAL PERMIT #2023-H-194-00154. SR 684/US 41 CORTEZ RD W. SECTION #13040000. BMP #0.011, EMP #0.750

PREPARED BY

02	GENERAL NOTES
03	KEY SHEET
04	WEST APPROACH
05	WEST APPROACH
06	INTRACOASTAL CROSSING
07	INTRACOASTAL CROSSING
08	INTRACOASTAL CROSSING
09	INTRACOASTAL CROSSING
10	EAST APPROACH
11	EAST APPROACH
12	EAST APPROACH
13	EAST APPROACH
14	EAST APPROACH
15	OVERALL DRILL PLAN
16	FORCE MAIN RELOCATION
17	WATER MAIN RELOCATION
18	EAST APPROACH CORTEZ RD CROSS SECTIONS
19	MAINTENANCE OF DRILL PLAN - WEST APPROACH
20	MAINTENANCE OF DRILL PLAN - EAST APPROACH
21	MAINTENANCE OF DRILL PLAN - LAY DOWN AREA
22	MAINTENANCE OF TRAFFIC - PEDESTRIAN / BICYCLE
23	MAINTENANCE OF TRAFFIC - VEHICLES
24	DETAILS 01
25	DETAILS 02
26	DETAILS 03
27	DETAILS 04

SHEET LIST

Sheet Title COVER SHEET

Sheet Number

THE SITE CONSTRUCTION STAKEOUT SHALL BE PERFORMED LINDER 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 THE ENGINEER'S ATTENTION FOR CLARIFICATION PRIOR TO THAT STAKEOUT.

				THIS DOCUMENT IS PROTECTED BY SECTION 106 OF THE "UNITED STATES COPYRIGHT ACT".	23-H-194	SEPT 2023 PROJECT NO.
				REPRODUCTION OR ALTERATION OF THIS DOCUMENT OR THE INFORMATION CONTAINED HEREON BY ANY	ББ	148400081
\vdash				MEANS WHATSOEVER IS STRICTLY PROHIBITED	Llan Ko	SHEET NUMBER
\vdash				WITHOUT THE PRIOR WRITTEN CONSENT OF KIMLEY—HORN AND ASSOCIATES, INC. CONSENT IS	JORDAN WALKER, PE FLORIDA LICENSE NUMBER:	
\vdash				HEREBY GRANTED SPECIFICALLY TO GOVERNMENTAL AGENCIES TO REPRODUCE THIS DOCUMENT IN	78652	D 2 01
No	. REVISIONS	DATE	BY	COMPLIANCE WITH F.S. CHAPTER 119.	DATE: 1 U/4/2U	20 1

LEKAL ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE PROJECT MANAGER IS: ALBERT ROSENSTEIN, P.E., C.P.M IF THE CONTRACTOR WANTS A SITE VISIT PRIOR TO BIDDING, PURCHASING DIVISION. 3. ALL CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORD PUBLIC WORKS STANDARDS UTILITIES STANDARDS MANUAL FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CO 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL ALL GOVERNING FEDERAL, STATE, AND LOCAL AGENCIES. THE REQUIRED PERMITS THAT ARE NOT PROVIDED IN THE BID DO THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTHER OWN CONCLUSIONS REGARDING THE ACTUAL CONDITION BIDS WILL BE BASED. 6. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSION THAT MAY AFFECT CONSTRUCTION. SHOULD DISCREPANCIES TO OBTAIN THE ENGINEER'S CLARIFICATION BEFORE COMMENCE. 7. THE CONTRACTOR SHALL NOTIFY SUNSHINE 811 (1-800-432-4770) OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATION OR THE TEMPORARY MOVEMENT OF ANY EXISTIN CONTRACTOR'S RESPONSIBILITY TO PROTECT EXISTING UTILITIES FRO NO WORK, EXCEPT FOR EMERGENCY TYPE, SHALL BE PERFOR ADDITIONAL PROJECT RESTRAINTS, REFER TO SECTION 01310 THE CONTRACTOR SHALL PROVIDE CERTIFIED RECORD DRAWN DRAWNGS SHALL BE CURRENT WITH EACH PAY APPLICATION APPLICATION REVIEW PROCESS. PAYMENT WILL NOT BE MADE DRAWNGS. THE MOST CURRENT SET OF RED—LINE DRAWNGS THE CONTRACTOR SHALL INCLUDE IN HIS BID: DEWATERING PL NECESSARY, BASED ON METHOD AND SEQUENCE OF CONSTRI SEWER SERVICE OPERATIONS AT ALL TIMES.

MATERIAL REMAIN AFTER THIRTY (30) CALENDAR DAYS.

28. STOCKPILES SHALL BE PROTECTED AT ALL TIMES BY ON—SITE DRAINAGE CONTROLS WHICH PREVENT EROSION OF THE STOCKPILED MATERIAL CONTROL OF DUST FROM SUCH STOCKPILES IS REQUIRED, DEPENDING UPON THEIR LOCATION AND THE EXPECTED LENGTH OF THE TOCKPILES WILL BE PRESENT. IN NO CASE SHALL ANY STOCKPILED

29. STORM WATER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS SUCH AS SECURED HAY BALES, 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 THE COUNTY AND STATE.

30. SEDIMENT BASINS AND TRAPS, PERIMETER BERMS, SEDIMENT BARRIERS, VEGETATIVE BUFFERS, AND OTHER MEASURES

31. ALL SWALES, DITCHES, AND CHANNELS LEADING FROM THE SITE SHALL BE PROTECTED FROM SILTATION AND EROSION

DURING CONSTRUCTION AND BE SODDED WITHIN THREE (3) DAYS OF EXCAVATION

REVISIONS

SEDIMENT BASINS AND TRAPS, PERIMETER BERMS, SEDIMENT BARRIERS, VEGETATIVE BUFFERS, AND OTHER MEASURES INTENDED TO TRAP SEDIMENT AND/OR PREVENT THE TRANSPORT OF SEDIMENT ONTO ADJACENT PROPERTIES, OR INTO EXISTING BODIES OF 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 STEMS SHALL BE FULLY OPERATIVE BEFORE ANY OTHER DISTURBANCE OF THE SITE BEGINS. EARTHEN STRUCTURES INCLUDING BUT NOT LIMITED TO BERMS, EARTH FILTERS, DAMS OR DIKES SHALL BE STABILIZED AND PROTECTED FROM DRAINAGE DAMAGE OR EROSION WITHIN ONE (1) WEEK OF INSTALLATION.

DATE

clates, Inc.	GENERAL 1. ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE PROJECT MANAGEMENT DIVISION. THE PROJECT MANAGER IS: ALBERT ROSENSTEIN, P.E., C.P.M. AND CAN BE REACHED AT (941) 708-7450 X7219	ARE CONSIDERED ENVIRONMENTALLY SENSITIVE. EROSION CONTROL SYSTEMS SHALL BE REQUIRED FOR ALL WORK WITHIN JURISDICTIONAL AREAS. THESE SYSTEMS MAY INCLUDE STAKED HAY BALES, SILT SCREENS, FILTER FABRIC, AND TURBILITY SCREENS.	63. THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING OR OTHER METHODS AS REQUIRED.
nd Asso	IF THE CONTRACTOR WANTS A SITE VISIT PRIOR TO BIDDING, THESE SHALL BE ARRANGED THROUGH THE COUNTY'S PURCHASING DIVISION.	33. ALL EROSION AND POLLUTION CONTROL DEVICES SHALL BE CHECKED REGULARLY, ESPECIALLY AFTER EACH RAINFALL AND SHALL BE CLEANED OUT AND/OR REPAIRED AS REQUIRED.	64. INGRESS AND EGRESS TO ALL THE PROPERTIES IN THE CONSTRUCTION AREA SHALL BE MAINTAINED AT ALL TIMES.
Kimley-Hom a	3. ALL CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF MANATEE COUNTY PUBLIC WORKS STANDARDS UTILITIES STANDARDS MANUAL AND HIGHWAY & TRAFFIC STANDARDS MANUAL AND/OR FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" UNLESS OTHERWISE INDICATED ON THE PLANS.	34. THE CONTRACTOR SHALL NOT ENTER UPON OR IN ANY WAY ALTER WETLAND AREAS THAT MAY BE ON OR NEAR THE CONSTRUCTION SITE. ALL WORK IN THE VICINITY OF OPEN WATER AND/OR WETLANDS IS TO BE PERFORMED IN COMPLIANCE WITH THE ENVIRONMENTAL REGULATIONS AND/OR PERMITS FOR THE SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY FINES RESULTING FROM HIS VIOLATION OF ANY REGULATIONS OR PERMIT CONDITIONS.	65. PRIOR APPROVAL WILL BE REQUIRED FOR REMOVAL OR TRIMMING OF ANY TREE WITHIN THE CONSTRUCTION AREA. 1 66. THE CONTRACTOR SHALL PROVIDE ALL DEWATERING EQUIPMENT NECESSARY TO KEEP ALL EXCAVATIONS DRY. 1 DEWATERING IS REQUIRED TO 18" BELOW TRENCH BOTTOM.
bility to	4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CONDITIONS AND REQUIREMENTS OF ALL PERMITS AND ALL GOVERNING FEDERAL, STATE, AND LOCAL AGENCIES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS THAT ARE NOT PROVIDED IN THE BID DOCUMENTS, AT NO ADDITIONAL COST TO THE OWNER.	35. CONTRACTOR SHALL PROVIDE PROTECTIVE MATTING, FUEL CONTAINMENT AND ALL OTHER MATERIALS, EQUIPMENT AND LABOR TO PROTECT THE STAGING AREA DURING CONSTRUCTION.	67. ALL PIPING AND FITTINGS USED ON THIS PROJECT SHALL BE AS NOTED ON THE PLANS AND IN THE CONTRACT DOCUMENT AND SHALL BE INSTALLED TO THE LINES AND GRADES SHOWN ON THE PLANS AND PROFILES.
out lia	5. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND	36. CONTRACTOR SHALL, PRIOR TO BEGINNING CONSTRUCTION, SUBMIT A "FUELING SPILL PREVENTION PLAN" THAT SHALL CLEARLY INDICATE HOW FUEL SPILLS WILL BE PREVENTED WHEN FUELING BOTH WITHIN AND OUTSIDE OF THE STAGING	68. ALL PIPE SHALL BE COLOR CODED TO CONFORM TO MANATEE COUNTY STANDARDS.
ll be with	EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATION THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR	AREA. RIGHT-OF-WAY	69. 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.
Inc. sha	BIDS WILL BE BASED. 6. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS ON THE PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. SHOULD DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER	37. ALL CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO WITHIN THE BRADENTON BEACH/FDOT/MANATEE COUNTY RIGHT-OF-WAY AND/OR EASEMENTS SHOWN ON THE DRAWNIGS.	70. WHERE IT IS NECESSARY TO DEFLECT PIPE EITHER HORIZONTALLY OR VERTICALLY, PIPE DEFLECTION SHALL NOT EXCEED 75% OF THE MANUFACTURER'S MAXIMUM ALLOWABLE RECOMMENDED DEFLECTION.
sociates,	TO OBTAIN THE ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH CONSTRUCTION. 7. THE CONTRACTOR SHALL NOTIFY SUNSHINE 811 (1–800–432–4770) AT LEAST 2 FULL BUSINESS DAYS PRIOR TO CONSTRUCTION	38. THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO REFERENCE AND RESTORE PROPERTY CORNER MONUMENTS, PINS, AND LANDMARKS THAT MAY BE DISTURBED BY CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.	71. ALL ROCKS OR STONES LARGER THAN SIX INCH DIAMETER SHALL BE REMOVED FROM THE BACKFILL MATERIAL. BACKFILL MATERIAL PLACED WITHIN ONE FOOT OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN TWO INCH DIAMETER.
Horn and As	OPERATIONS, THE 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 EXISTING UTILITIES FROM DAMAGE, EXPLORATORY EXCAVATION MAY BE REQUIRED PRIOR TO CONNECTION TO EXISTING UTILITIES.	39. THE CONTRACTOR, PRIOR TO CONSTRUCTION AND RESTRICTING ANY TRAFFIC, MUST OBTAIN A RIGHT-OF-WAY USE PERMIT AND A TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM OTHER GOVERNMENTAL ACENCIES HAVING RELEVANT JURISDICTION. ALL MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION	70 ONLY MANAGES COUNTY HITHEY OPERATIONS STAFE ARE ALTHORIZED TO OPERATE VALVES AND DIME STATIONS ON
/ Kimley–	 NO WORK, EXCEPT FOR EMERGENCY TYPE, SHALL BE PERFORMED AFTER 7:00 PM AND BEFORE 7:00 AM. FOR ADDITIONAL PROJECT RESTRAINTS, REFER TO SECTION 01310 OF THE SPECIFICATIONS. 	"STANDARD PLANS FOR ROAD CONSTRUCTION MAINTENANCE OF TRAFFIC" INDEX 102-500 THROUGH 102-680. A TRAFFIC CONTROL PLAN SHALL BE SUPPLIED BY THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING, PER SPECIFICATIONS 01570.	73. CONSTRUCTION DEWATERING SHALL BE CONDUCTED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS INCLUDING BUT NOT LIMITED TO CHAPTERS 62-621.300 AND 62-620 OF THE FLORIDA ADMINISTRATIVE CODE (FAC).
adaptation by	DRAWNIGS SHALL BE CURRENT WITH EACH PAY APPLICATION SUBMITTED AND WILL BE CHECKED AS PART OF THE PAY APPLICATION REVIEW PROCESS. PAYMENT WILL NOT BE MADE TO CONTRACTOR WITHOUT APPROVED RED-LINE DRAWNIGS. THE MOST CURRENT SET OF RED-LINE DRAWNIGS SHALL ALSO BE BROUGHT TO EACH MONTHLY PROGRESS	40. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED STORM WATER STRUCTURES, PIPING, ENTRANCE PIPE AND HEADWALLS WHETHER SHOWN ON THE PLANS OR NOT. THE HEADWALLS SHALL BE REPLACED IN ACCORDANCE WITH F.D.O.T. STANDARDS, OR APPLICABLE JURISDICTION.	
tion and	MEETING. 10. THE CONTRACTOR SHALL INCLUDE IN HIS BID: DEWATERING PUMPING EQUIPMENT, PUMPS, FITTINGS, LABOR, ETC. AS NECESSARY, BASED ON METHOD AND SEQUENCE OF CONSTRUCTION TO COMPLETE ALL WORK WHILE MAINTAINING	41. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH IN THE FIELD THE RIGHT—OF—WAY LINES, BASE LINES, BENCH MARKS (ELEV.), CENTER LINES, AND STATIONING AS REQUIRED TO CONSTRUCT THIS PROJECT.	75. FIELD CONDITIONS MAY NECESSITATE MINOR ALIGNMENT AND GRADE DEVIATION OF THE PROPOSED UTILITIES TO AVOID OBSTACLES, AS ORDERED BY THE ENGINEER.
en authoriza	SEWER SERVICE OPERATIONS AT ALL TIMES. 11. THE CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER WITH A DETAILED CONSTRUCTION PHASING PLAN BASED ON THE CONNECTION SEQUENCING ON THE MAINTENANCE OF DRILL PLAN FOR APPROVAL PRIOR TO REGINNING.	42. THE CONTRACTOR SHALL COORDINATE THE CUTTING OF DRIVEWAYS WITH THE PROPERTY OWNER PRIOR TO CUT. ALL DRIVEWAYS WILL BE IN PASSABLE CONDITION AT THE END OF THE WORK DAY AND FULLY RESTORED PER SECTION 02575.	76. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION FROM THE MANATEE COUNTY UTILITIES DEPARTMENT (MCUD) OFFICE OF INDUSTRIAL COMPLIANCE PRIOR TO DEWATERING. COMPLETION OF A CONSTRUCTION DEWATERING AUTHORIZATION TO DISCHARGE APPLICATION IS REQUIRED. FILL OUT FORM AS COMPLETELY AS POSSIBLE AS MISSING INFORMATION DELAYS THE APPROVAL PROCESS.
ıt writt	CONSTRUCTION. EXISTING FORCE MAIN AND GRAVITY SEWER SHALL REMAIN IN SERVICE UNTIL ALL CONNECTIONS ARE CONSTRUCTED.	43. A RIGHT OF ENTRY AGREEMENT SHALL BE OBTAINED BY THE CONTRACTOR FROM THE PROPERTY OWNER BEFORE ANY CONSTRUCTION IS DONE OUTSIDE OF THE RIGHT—OF—WAY OR EASEMENT.	77. THE MCUD OFFICE OF INDUSTRIAL COMPLIANCE WILL DETERMINE WHETHER A LETTER OF APPROVAL, A DISCHARGE
nt withou	IN ADVANCE OF PROPOSED CONSTRUCTION.	UNLITES 44. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS BUT DO NOT PUPPORT TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WHICH ARE WITHIN THE PROJECT AREA	AUTHORIZATION, OR A DISCHARGE PERMIT IS REQUIRED. 78. FOR SITES SUSPECTED OF CONTAMINATED GROUNDWATER MANATEE COUNTY WILL REQUIRE AN APPLICANT TO
qocnwe	13. THE CONTRACTOR SHALL FURNISH SHOP DRAWINGS CONFORMING TO MANATEE COUNTY'S LATEST STANDARDS, TO THE ENGINEER FOR REVIEW OF ALL PIPE CONNECTIONS, TRANSITIONS, AND SPECIAL APPURTENANCES PRIOR TO FABRICATION OR DELIVERY TO THE JOB SITE.	AND WHICH HAVE NOT BEEN LOCATED OR IDENTIFIED, MAY NOT BE IN THE EXACT LOCATION SHOWN OR RELOCATED SINCE THE PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE	DEMONSTRATE THAT THE DISCHARGE MEETS THE MANATEE COUNTY SEWER USE ORDINANCE. 79. IF ANY RECLAIMED OR WATER MAINS INCLUDING SERVICE LINES ARE DAMAGED DURING CONSTRUCTION, THEY SHALL BE
ince on this	14. UNLESS OTHERWISE INDICATED OR APPROVED, ALL BELOW GROUND DUCTILE IRON PIPE SHALL HAVE PUSH—ON OR MECHANICAL JOINTS, AND ALL ABOVE GROUND DUCTILE IRON PIPE SHALL HAVE FLANGED JOINTS. ALL JOINTS SHALL BE FULLY RESTRAINED PER THE DETAILS IN THESE PLANS.	LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING UTILITIES STRUCTURES AND OTHER FEATURES (WHETHER OR NOT SHOWN ON THE PLANS) THAT MAY AFFECT HIS WORK. ALL EXISTING UTILITIES TO BE EXENDED, CROSSED OR CONNECTED TO SHALL BE EXPOSED PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND ELEVATION. ANY DISCREPANCIES OR CONFLICTS FOUND SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION.	DEDLACED EDOM THE VALVE TO THE OTHER DOINT OF CONNECTION OUTSIDE OF THE DOADWAY DED MANATEE
and improper relik	15. SANITARY SEWERS AND FORCEMAINS CROSSING OVER OR UNDER WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18" BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE. WHERE THIS MINIMUM SEPARATION CANNOT BE MAINTAINED, THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER OR FORCE MAIN PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING WITH NO LESS THAN 10' BETWEEN ANY TWO JOINTS. AS AN ALTERNATIVE, THE SEWER OR FORCE MAIN MAY BE PLACED IN A WATERTIGHT CASING PIPE, CONSISTENT WITH FAC. CRULE 62-555.314.	DRIVEWAYS, SIDEWALKS, SIGNS, MAIL BOXES, FENCES, TREES, LANDSCAPING, AND ANY OTHER IMPROVEMENT OR FRUITWIN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DAMAGED ITEM DUE TO HIS CONSTRUCTION ACTIVITIES TO EQUAL OR BETTER THAN PRE—CONSTRUCTION CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.	ALL WORK PERFORMED WITHIN THE FDOT R/W SHALL CONFORM TO: 1. FDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION (FY 2023—24) (A.K.A. STANDARD SPECS). 2. FDOT DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND OPERATIONS ON THE STATE HIGHWAY SYSTEM, (FY 2023—24), (A.K.A. STANDARD INDEX). COMPLIANCE WITH ALL APPLICABLE INDICES IS REQUIRED. 3. 2023 FLORIDIA DEPARTMENT OF TRANSPORTATION DESIGN MANAUAL.
Reuse of	16. ALL BELOW-GRADE FITTINGS 4-INCHES AND GREATER IN DIAMETER SHALL BE MECHANICAL JOINT DUCTILE IRON WITH INTERIOR AND EXTERIOR LINING AS NOTED IN MANATEE COUNTY APPROVED PRODUCTS LIST.	POWER AND LIGHT TO PREVENT UNDERMINING OF POWER POLES DURING CONSTRUCTION. IF HOLDING OF POWER POLES	4. FLORIDA DEPARTMENT OF TRANSPORTATION FLEXIBLE PAVEMENT DESIGN MANUAL FOR NEW CONSTRUCTION AND PAVEMENT REHABILITATION, JANUARY 2023. 5. ALL TRAFFIC STRIPES AND MARKINGS ARE TO BE LEAD FREE, NON-SOLVENT BASED THERMOPLASTIC. THE PERMITTEE SHALL FURNISH THE DEPARTMENT WITH THE MANUFACTURER'S CERTIFICATION THAT THE THERMOPLASTIC IS "LEAD".
epared	 IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SECURE PROPERTY FOR STAGING MATERIALS AND EQUIPMENT. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ACQUIRE, OR ENTER INTO AGREEMENTS, FOR LANDS FOR LAY DOWN 	47. ANY TEMPORARY SHUTDOWNS FOR MODIFICATIONS OF EXISTING UTILITY SYSTEMS THAT MUST REMAIN IN SERVICE DURING CONSTRUCTION SHALL BE KEPT TO A MINIMUM AND SHALL BE COORDINATED WITH AND APPROVED BY THE	FREE". 6. LANE CLOSURE MAY NEED TO BE ALTERED DEPENDING ON THE AREA THE WORK IS TAKING PLACE.
it was pr	AREAS AND STAGING. THE COUNTY WILL COORDINATE AND ADVISE, TO HELP IDENTIFY POSSIBLE PARCELS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE NEEDED AREAS, AND THE COUNTY TAKE NO RESPONSIBILITY FOR DELAYS IN THIS REGARD.	MANATEE COUNTY UTILITY OPERATIONS DEPARTMENT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. IT IS NOTED THAT TEMPORARY SHUTDOWNS MAY BE RESTRICTED TO CERTAIN HOURS AT ANY TIME OF THE DAY OR NIGHT AND MILL BE COMPLETED AT NO ADDITIONAL COST TO THE OWNER.	TRAFFIC CONTROL NOTES 1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH F.D.O.T. LATEST DESIGN STANDARDS NO. 102-600, 102-603.
nt for which	19. COORDINATION AND PUBLIC INFORMATION FOR AND WITH AREA RESIDENTS ARE OF THE UTMOST IMPORTANCE. CONTRACTOR WILL ENSURE ADHERENCE TO THE COUNTY'S NOISE ORDINANCE, HAZARD AND SAFETY, AND NUISANCE ABATEMENT DIRECTIONS, PLANS, OBJECTIONS AND ORDINANCES. THE ENGINEER WILL HAVE THE FINAL DISCRETION IN	48. FOR WORK BEING DONE ON EXISTING SANITARY SEWER LINES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTANING THE FLOW OF ALL SEWAGE DURING CONSTRUCTION, WHICH MAY REQUIRE BY-PASS PUMPING AND/OR PUMPER TRUCKS. THE CONTRACTOR SHALL SUBMIT A DETAILED BY-PASS PUMPING PLAN PER SECTION 02720.	102—605, 102—611, 102—612, 102—613, 102—616 AND 102—660 DEPENDING ON THE OPERATION BEING PERFORMED. FOR ALL TWO—LANE WORK, TWO—WAY, WORK WITHIN TRAVEL LANE UTILIZE INDEX 102—603. FOR ALL TWO—LANE WORK, TWO—WAY, WORK NEAR INTERSECTION UTILIZE INDEX 102—605. FOR ALL MULTILANE WORK OUTSIDE SHOULDER UTILIZE INDEX 102—611.
nd clie	THIS REGARD, AS REPRESENTED ONSITE BY THE COUNTY INSPECTOR AND ENGINEER'S STAFF. 20. ALL ELEVATIONS ARE NAVD88 DATUM	49. ALL MAINS TO BE ABANDONED IN PLACE SHALL BE GROUTED PER THE SPECIFICATIONS.	FOR ALL MULTILANE WORK ON SHOULDER UTILIZE INDEX 102-612. FOR ALL MULTILANE WORK WITHIN TRAVEL WAY MEDIAN OR OUTSIDE LANE UTILIZE INDEX 102-613.
urpose a	SAFETY 21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE FLORIDA TRENCH SAFETY ACT, 90-96, LAWS	50. THE ELEVATIONS OF THE UTILITY SERVICES AND LATERALS HAVE BEEN ASSUMED ON THE BASIS OF TYPICAL ANTICIPATED SOIL COVERAGE. CONTRACTOR SHALL NOT RELY ON THIS INFORMATION FOR CONSTRUCTION, BUT SHALL BE RESPONSIBLE FOR FIELD LOCATIONS (HORIZONTAL AND VERTICAL) OF ALL UTILITIES CROSSING THE PROPOSED	FOR ALL MULTILANE WORK NEAR INTERSECTION MEDIAN OR OUTSIDE LANE UTILIZE INDEX 102—616. FOR PEDESTRIAN CONTROL FOR CLOSURE OF SIDEWALK, UTILIZE INDEX 102—660.
d oyload	OF FLORIDA EFFECTIVE OCTOBER 1, 1990 AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION EXCAVATION SAFETY STANDARDS, 29 CFR 1926.650, SUBPART P, AS AMENDED. THE CONTRACTOR SHALL INCLUDE IN THE TOTAL BID PRICE ALL COSTS FOR COMPLIANCE WITH THESE REGULATIONS.	FORCE MAIN AND WAITER MAIN. CONTRACTOR SHALL INCLUDE IN THE UNIT COST OF THE SUBJECT FORCE MAIN CONSTRUCTION, THE COST OF THIRT ADJUSTMENTS NECESSARY TO ATTAIN DESIGN MINIMUM SEPARATION FOR UTILITIES CONFLICTING WITH THE CONSTRUCTION OF THE PROPOSED FORCE MAIN. INTERPUTPIONS OF ANY EXISTING UTILITY SERVICES SHALL BE NOTICED TO AFFECTED CUSTOMERS A MINIMUM OF 48 HOURS IN ADVANCE AND SHALL	CONTRACTOR TO COORDINATE WITH FDOT FOR ALL WORK DONE ON A STATE FACILITY. TO AVOID DISRUPTION DUE TO INCLEMENT WEATHER, THE CONTRACTOR SHOULD PERFORM ANY MILLING AND PAVING.
r the s	22. THE CONTRACTOR SHALL USE SHEET PILING, SHEETING, BRACING, ETC., AS REQUIRED IN ALL EXCAVATION AREAS AND CONFORM TO ALL OSHA REQUIREMENTS.	NOT EXCEED 4 HOURS IN DURATION.	OPERATIONS DURING THE SAME WORK PERIOD.
d only for		RESTORATION THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS SHOWN OTHERWISE.	4. ALL EXISTING PAYEMENT MARKINGS OUTSIDE THE CONSTRUCTION LIMITS THAT HAVE BEEN ALTERED BECAUSE OF CONSTRUCTION OPERATIONS SHALL BE REPLACED UPON THE COMPLETION OF THE PROJECT AT THE CONTRACTORS EXPENSE.
s intende.	24. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THESE EXCLUSIONS DO NOT RELIEVE THE CONTRACTOR FROM PROVIDING ANY REQUIRED SAFETY EQUIPMENT, SUPPLIES, OR APPARATUS AS NEEDED TO EXECUTE THE WORK EFFECTIVELY AND SAFELY AS OUTUNED IN THE PLANS AND SPECIFICATIONS. THE CONTRACTOR	52. ALL DISTURBED GRASSED AREAS SHALL BE SODDED UNLESS OTHERWISE INDICATED. THE TYPE OF SOD USED TO REPLACE OWNER MAINTAINED AREAS IN RIGHT-OF-WAY SHALL BE COORDINATED WITH THE PROPERTY OWNER.	5. LANE CLOSURES SHALL OCCUR BETWEEN 9:00 P.M. AND 5:00 A.M., UNLESS LANE CLOSURE CALCULATIONS ARE PROVIDED AND APPROVED OR APPROVAL IS GRANTED BY THE DISTRICT PERMIT ENGINEER.THE CONTRACTOR SHALL SCHEDULE WORK OPERATIONS SO THAT ALL LANES CAN BE RE-OPENED TO TRAFFIC MITHIN A PERIOD OF 24 HOURS
service, is	ACCEPTS ANY AND ALL LIABILITY FROM THE CONTRACTOR'S FAILURE TO PROVIDE A SAFE WORK ENVIRONMENT. ENVIRONMENTAL	53. 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 OWNER.	SOMEDOLE WORK OFERATIONS SO THAT ALL LANES CAIN BE RE-OPENED TO TRAFFIC WITHIN A PERIOD OF 24 HOURS IN CASE OF AN EMERGENCY. 6. PEDESTRIANS, BICYCLES, AND WHEELCHAIRS:
nent of :	25. WHEN A BENTONITE SPILL OR FRACK—OUT OCCURS OR THERE IS A LOSS OF RETURN INDICATING EXCESSIVE SEEPAGE OR LOSS OF DRILLING FLUID, DRILLING MUST BE STOPPED UNTIL THE LOCATION OF THE SPILL IS IDENTIFIED. UNDER NO CIPCHINISTANCES WILL DRILLING CONTINUE WHEN A SPILL IS APPAGENT	54. ASPHALT DRIVES THAT ARE CUT SHALL BE RESTORED PER SECTION 02513.	AT THE END OF EACH WORKDAY OR MEINEVER 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 STANDARD 102—600
n Instrur	26. ONCE LOCATED, THE BENTONITE SPILL MUST BE ISOLATED AND SEEPAGE INTO ANY NEARBY WATER BODIES WILL BE BLOCKED DEPENDING ON THE DEGREE OF THE SPILL. THE ISOLATED BENTONITE MUST BE REMOVED MANUALLY OR	55. 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 THROUGH 522-003.	7. PEDESTRIAN AND WHEELCHAIR TRAFFIC SHALL BE ACCOMMODATED UTILIZING STANDARD INDEX 102-660.
rein, as o	MECHANICALLY AND DISPOSED OF BY APPROPRIATE MEANS OR REUSED. 27. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY STORM WATER, EROSION, AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE FEPE "FLORIDA STORM WATER, EROSION AND SEDIMENTATION CONTROL	56. WHENEVER A PERMANENT ROADWAY SURFACE IS NOT REPLACED IMMEDIATELY AFTER BACKFILLING AND COMPACTION OF THE 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	 ONE PORTABLE VARIABLE MESSAGE SIGN SHALL BE USED IN ADVANCE OF EACH LANE CLOSURE. THE FOLLOWING ARE SUGGESTED MESSAGES TO USE IN THE APPROPRIATE SITUATIONS: MESSAGE 1

WHENEVER A PERMANENT ROADWAY SURFACE IS NOT REPLACED IMMEDIATELY AFTER BACKFILLING AND COMPACTION OF THE NEWLY INSTALLED PIPE UNE IN AREAS WHERE TRAFFIC MUST PASS, THE CONTRACTOR SHALL INSTALL A TEMPORARY SURFACE CONSISTING OF NINE NOHES OF COMPACTED LIME ROCK BASE AND A COAT OF ASHALL EMULSION. PERMANENT ROADWAY REPAIR SHALL BE PERFORMED A MAXIMUM OF TWENTY-ONE CALENDAR DAYS AFTER THE INITIAL OPEN CUTTING. 27. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY STORM WATER, EROSION, AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE FDEP "FLORIDA STORM WATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL". IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO SUBFACE DRAINS AND TO DITCHES DURING CONSTRUCTION.

57. RESTORATION OF CURBS, DRIVEWAYS, SIDEWALKS, AND PLACEMENT OF SOD SHALL BE AS SOON AS THE CONTRACTOR HAS COMPLETED WORK IN THE AREA OF IMPACT. RESTORATION SHALL BE COMPLETED NO MORE THAN 10 DAYS FROM COMPLETION OF CONSTRUCTION IN THE AREA OF IMPACT.

58. ALL EXISTING FENCES DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AND REINSTALLED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER UNLESS SHOWN TO BE REMOVED ON CONSTRUCTION 59. WHERE CONCRETE REPAIRS ARE NECESSARY AND EXPANSION OR CONTRACTION JOINTS ARE PRESENT, CONTRACTOR

SHALL REMOVE AND REPLACE CONCRETE UP TO THE NEXT EXPANSION OR CONTRACTION JOIN

60. ALL EXISTING WATER/WASTEWATER INFRASTRUCTURE INCLUDING, BUT NOT LIMITED TO, WATER METER BOXES, FIRE HYDRANTS, AND VALVE BOXES SHALL BE ADJUSTED TO FINAL GRADE

NSINCULION.
THE EXHAUST SYSTEM OF ALL GASOUNE AND DIESEL ENGINES SHALL BE EQUIPPED WITH MUFFLERS THAT MEET THE EQUIPMENT MANUFACTURER'S REQUIREMENTS FOR NOISE SUPPRESSION. THE CONTRACTOR SHALL INSTALL NOISE ABATEMENT BAFFLES POSITIONED TO BREAK LINE-OF-SITE FROM THE NOISE SOURCE TO AFFECTED RESIDENCES. 62. NO MATERIAL SHALL BE STOCKPILED IN ROADWAYS. ALL DIRT AND DEBRIS SHALL BE REMOVED FROM THE JOB SITE DAILY, ROADS SHALL BE SWEPT DAILY AS PART OF DAILY CLEAN UP.

200 CENTRAL AVENUE, SUITE 600, ST. PETERSBURG, FL 33701

PHONE: 727-547-3999

WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT

ESIGNED BY JWW

HECKED BY KMS

RAWN BY

Kimley » Horn 148400081 DATE EPTEMBER 202 CALE AS SHOWN © 2023 KIMLEY-HORN AND ASSOCIATES, INC.

MANATEE COUNTY

SR 684 (CORTEZ ROAD) WATER MAIN AND

13. MILLING AND RESURFACING SHALL BE ACCOMPLISHED DURING THE OFF-PEAK HOURS.

JORDAN W. WALKER, P.E. FORCE MAIN INTRACOASTAL CROSSING

11. ALL PAVEMENT MARKINGS, SIGNS, MARKERS, CHANNELIZATION REQUIRED TO PHASE WORK OR SHIFT TRAFFIC, SHALL

12. THE CONTRACTOR SHALL RESTRICT THE OPERATIONS SO THAT THE FIRST LIFT OF ASPHALT IS PLACED ON THE SAME DAY THAT THE LANES ARE MILLED, BEFORE OPENING THE LANES TO TRAFFIC. INSTALL TEMPORARY PAVEMENT MARKINGS AFTER THE FIRST LIFT AND PRIOR TO OPENING.

15. CONTRACTOR TO MAINTAIN VEHICLE DETECTION IN OPERATION FOR LANES THAT WILL REMAIN OPEN. CONTRACTOR TO COORDINATE ALL VEHICLE DETECTION ISSUES WITH AARON BURKETT OF MANATEE. ORONG AARON.BURKETT@MYMANATEE.ORG

16. MAINTENANCE OF TRAFFIC AND ANY SIGNAL RETIMING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR

17. ANY SIGNAL RETIMING REQUIRED FOR THE INTERSECTIONS IMPACTED BY THE PROJECT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. SIGNAL THINING MODIFICATIONS TO BE SUBMITTED TO MANATEE COUNTY TRAFFIC DESIGN, ATTENTION MR. MUKUNDA COPALAKRISHNA FOR REVIEW AND APPROVAL AT LEAST 15 WORKING DAYS BEFORE PROPOSED CHANGES. THIS DOES NOT GOVERN EMERGENCY SITUATIONS, PENDING THE APPROVAL OF THE ENGINEER.

19. PRIOR TO COMMENCING WORK, CONTRACTOR SHALL RECEIVE APPROVAL FOR A COUNTY RIGHT—OF—WAY PERMIT. CONTACT MATT MERUCCI AMATT.MERUCCI@MYMANATEL.ORG OR 941—708—7450 EXT 7342 FOR PERMIT APPLICATION. PERMIT FEES WILL BE WAIVED FOR ALL COUNTY CAPITAL IMPROVEMENT PROJECTS.

20. THE CONTRACTOR SHALL MAINTAIN TEMPORARY VEHICLE DETECTION ON ALL APPROACHES THROUGHOUT CONSTRUCTION UNTIL MANATEE COUNTY ACCEPTS THE PROJECT. ANY DAMAGE TO THE EXISTING DETECTION SYSTEM AT AN INTERSECTION MUST BE RESTORED WITHIN TWENTY-FOUR (24) HOURS AT NO ADDITIONAL COST TO THE COUNTY. MANATEE COUNTY TRAFFIC OPERATIONS DIVISION WILL ASSIST AS NEEDED WHENEVER POSSIBLE.

21. THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIGNAL MAINTENANCE, TIMING AND OPERATION OF ANY AND . THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR THE SIGNAL MAINTENANCE, TIMEN AND DEPENATION OF ANY AMALL SIGNALS AND SIGNAGE FROM THE COMMENCEMENT TO THE ACCEPTANCE OF THE PROJECT LE-SISTING LOOPS
OUT, SYSTEM COMMUNICATION TERMINATED, LANE OR PAVEMENT MODIFICATIONS, PEDESTRIAN MODIFICATIONS, TRAFFIC
SIGNAL SCHOOL FLASHER, WARNING FLASHER, ROADWAY LIGHTING, COUNT STATIONS, AND ANY DETER TRAFFIC
RELATED DEVICE LOCATED WITHIN THE CONSTRUCTION ZONE). MANATEE COUNTY WILL ASSIST IN PROVIDING EXISTING
SYSTEM TIMES WHEN POSSIBLE.

WORK SCHEDULE COORDINATION

1. COORDINATE ALL LIFT STATION SHUT DOWNS WITH NICK WAGNER, 941-792-8811 X 5377 OR NICK WACNER@MYMANATEE.ORG

2. CONTRACTOR SHALL ABIDE BY ALL CITY OF BRADENTON BEACH REGULATIONS AND RULES TO INCLUDE, BUT NOT LIMITED TO, WORK HOURS, CITY HOLIDAYS, NOISE REGULATIONS, TRAFFIC CONTROL, AND PROPERTY ACCESS. ANY VARIATION FROM THESE STANDARDS MUST BE APPROVED IN WIRTHING BY THE CITY OF BRADENTON BEACH IN ADVANCE. CONTRACTOR SHALL APPLY FOR A RIGHT—OF—WAY PERMIT WITH THE CITY OF BRADENTON BEACH PRIOR TO STARTING CONSTRUCTION.

3. CONTRACTOR SHALL MAINTAIN VEHICULAR/PEDESTRIAN TRAFFIC ACCESS TO COMMERCIAL PROPERTIES AND ASSOCIATED PARKING LOTS, AND TO RESIDENTIAL PROPERTIES DURING CONSTRUCTION.

CONTRACTOR SHALL COORDINATE DIRECTLY WITH THE COUNTY PUBLIC OUTREACH MANAGER AND APPROVED COUNTY CONSULTANTS TO ADDRESS ANY COMPLAINTS.

DOOR HANGERS SHALL BE PROVIDED TO ALL NEIGHBORS/BUSINESSES AFFECTED BY CONSTRUCTION AT LEAST 48
HOURS IN ADVANCE. DOOR HANGERS SHALL PROVIDE INFORMATION ON ESTIMATED DAYS OF IMPACT AND
MITIGATION EFFORTS.

ADVANCED TRAFFIC MANAGEMENT SYSTEM (ATMS) NOTES:

1. NEW ADVANCED TRAFFIC MANAGEMENT SYSTEM (ATMS) INFRASTRUCTURE SHOULD BE PLACED WHILE LEAVING EXISTING ATMS INFRASTRUCTURE IN PLACE AND INTACT AS LONG AS FEASIBLE TO LIMIT THE DURATION OF SYSTEM DOWN TIME.

2. AT LEAST FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT MUKUNDA GOPALAKRISHNA, P.E., PTOE OF THE MANATEE COUNTY TRAFFIC ENGINEERING DIVISION AT (941) 749-3500, EXT. 7813 TO INFORM HIM OF CONSTRUCTION OPERATIONS.

3. THE CONTRACTOR MUST PROVIDE A SPLICE DIAGRAM FOR THE PROPOSED SPLICE ENCLOSURE

4. THE CONTRACTOR SHALL NOTIFY LITHLITY OWNERS OF ANY EXCAVATION OR DEMOLITION ACTIVITY THROUGH SUNSHINE ONE CALL OF FLORIDA INC. (811) AND SHALL ALSO NOTIFY THOSE UTILITY OWNERS/AGENCIES LISTED WITHIN OR IMPACTED BY THESE PLANS, NOT LESS THAN TWO (2) FULL BUSINESS DAYS IN ADVANCE OF

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING RIGHT-OF-WAY USE PERMITS WITH MATT MERUCCI, MANATEE COUNTY PUBLIC WORKS INFRASTRUCTURE INSPECTION OFFICER, AT (941) 708-7450, EXT. 7342.

DELIVER THREE HARD-COPY SETS OF AS-BUILT RECORD DRAWINGS THAT ARE SIGNED AND SEALED BY THE DELIVER THREE HARD—COPT SETS OF AS—BULL RELOKED DEAWINGS THAT ARE SIGNED AND SEALED BY THE REGINEER OF RECORD, AND ONE COMPACT DISC OF RECORD DRAWNOS IN ADDREAGH ACROBAT (.PDF) AND AUTOCAD (.DWG) FORMAT TO THE MANATEC COUNTY TRAFFIC ENGINEERING DIVISION (ATTN: MR. MUKUNDA GOPALAKRISHNA, P.E., PTOE) AT 2101 47TH TERRACE EAST BRADENTON, FL 34203. RECORD DRAWNOS MUST BE DELIVERED TO THE COUNTY AT LEAST TWO (2) BUSINESS DAYS PRIOR TO SCHEDULING THE FINAL INSPECTION.

7. UPON PASSING THE FINAL INSPECTION, THE CONTRACTOR SHALL SEND A WRITTEN REQUEST TO THE MANATEE COUNTY TRAFFIC OPERATIONS DIVISION, 1204 12TH STREET COURT EAST, BRADENTON, FLORIDA 34208 (ATIN: MR. AARON BURKETT) REQUESTING TO TRANSFER MAINTENANCE FROM THE CONTRACTOR TO MANATEE COUNTY. MANATEE COUNTY MLL RESPOND WITHIN 5 WORKING DAYS TO ESTABLISH A TIME TRAILE FOR THE TRANSFER OF MAINTENANCE RESPONSIBILITY.

DVC - DOLYMNYL CHLORIDE

2.	CONTRACTOR TO COORDINATE WITH FDOT FOR ALL WORK DONE ON A STATE FACILITY.	ADDICE VIA HONS	ST EX	
3.	TO AVOID DISRUPTION DUE TO INCLEMENT WEATHER, THE CONTRACTOR SHOULD PERFORM ANY MILLING AND PAVING OPERATIONS DURING THE SAME WORK PERIOD.	RJ - RESTRAINED JOINT R/W - RIGHT-OF-WAY HDD - HORIZONTAL DIRECTIO RCP - REINFORCED CONCRET	NAL DRILL SS	BURIED TELEPHONE SANITARY SEWER
4.	ALL EXISTING PAVEMENT MARKINGS OUTSIDE THE CONSTRUCTION LIMITS THAT HAVE BEEN ALTERED BECAUSE OF CONSTRUCTION OPERATIONS SHALL BE REPLACED UPON THE COMPLETION OF THE PROJECT AT THE CONTRACTORS FXPFNSF	ARV - AIR RELEASE VALVE HDPE - HIGH DENSITY POLYET	W.	 RECLAIM WATER MAIN
		KIMLEY HORN LEGEND		
5.	LANE CLOSURES SHALL OCCUR BETWEEN 9:00 P.M. AND 5:00 A.M., UNLESS LANE CLOSURE CALCULATIONS ARE PROVIDED AND APPROVED OR APPROVAL IS GRANTED BY THE DISTRICT PERMIT ENGINEER.THE CONTRACTOR SHALL SCHEDULE WORK OPERATIONS SO THAT ALL LANES CAN BE RE-OPENED TO TRAFFIC WITHIN A PERIOD OF 24 HOURS	PROPOSED FORCE MAIN		
	IN CASE OF AN EMERGENCY.	PROPOSED WATER MAIN		
6.	PEDESTRIANS, BICYCLES, AND WHEELCHAIRS:			
	AT THE END OF EACH WORKDAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE, ANY DROP-OFF ADJACENT TO A SIDEWALK SHALL BE BACKFILED AT A SLOPE NOT TO EXCEED 1: 4, OR SHALL BE PROTECTED IN ACCORDANCE WITH DESIGN STANDARD 102-600	FDOT BRIDGE IMPROVEMENTS		
		EX. FORCE MAIN	s(b)	-s(p)s(p)s(p)
7.	PEDESTRIAN AND WHEELCHAIR TRAFFIC SHALL BE ACCOMMODATED UTILIZING STANDARD INDEX 102-660.		• •	
8.	ONE PORTABLE VARIABLE MESSAGE SIGN SHALL BE USED IN ADVANCE OF EACH LANE CLOSURE. THE FOLLOWING ARE SUGGESTED MESSAGES TO USE IN THE APPROPRIATE SITUATIONS:	EX. ABANDONED FORCEMAIN		-S(D)S(D)S(D)
	MESSAGE 1	EX. WATER MAIN		w(s) w(s) w(s)
	"RIGHT" OR "CENTER" OR "LEFT"			
	"LANE" "LANE" "LANE"	EX. BURIED FIBER OPTICS		BF0C(B)BF0C(B)
	"CLOSED" "CLOSED" "CLOSED"	EX. BONIED FIBER OF 1105	ar oc(a)	
9.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORMWATER FROM ROADWAYS UTILIZED FOR TRAFFIC CONTROL IN A MANNER APPROVED BY THE ENGINEER.	EX. BURIED TELEPHONE/FIBER		BF0T(B)BF0T(B)
10.	AT THE END OF EACH WORKING DAY'S ACTIVITY, TEMPORARY PAVEMENT MARKINGS AND TEMPORARY RPM'S SHALL BE INSTALLED PRIOR TO OPENING THE LANES UP FOR TRAFFIC.	EX. BURIED TV		atv(e) etv(e) etv(e)

14. THE CONTRACTOR IS RESPONSIBLE TO RETIME THE TRAFFIC SIGNALS WITHIN THE PROJECT LIMITS (INCLUDING LIMITS OF WORK ZONE TRAFFIC CONTROL) THAT ARE POTENTIALLY AFFECTED DURING VARIOUS PHASES OF CONSTRUCTION. COORDINATE ALL SIGNAL RETIME EFFORTS MUKUNDA GOPLALAKRISHNA, P.E., PTOE, COUNTY TRAFFIC ENGINEER, AT 3 EX. FIRE HYDRANT LICENSED PROFESSIONAL GENERAL NOTES DOOD

EX. OVERHEAD ELECTRIC

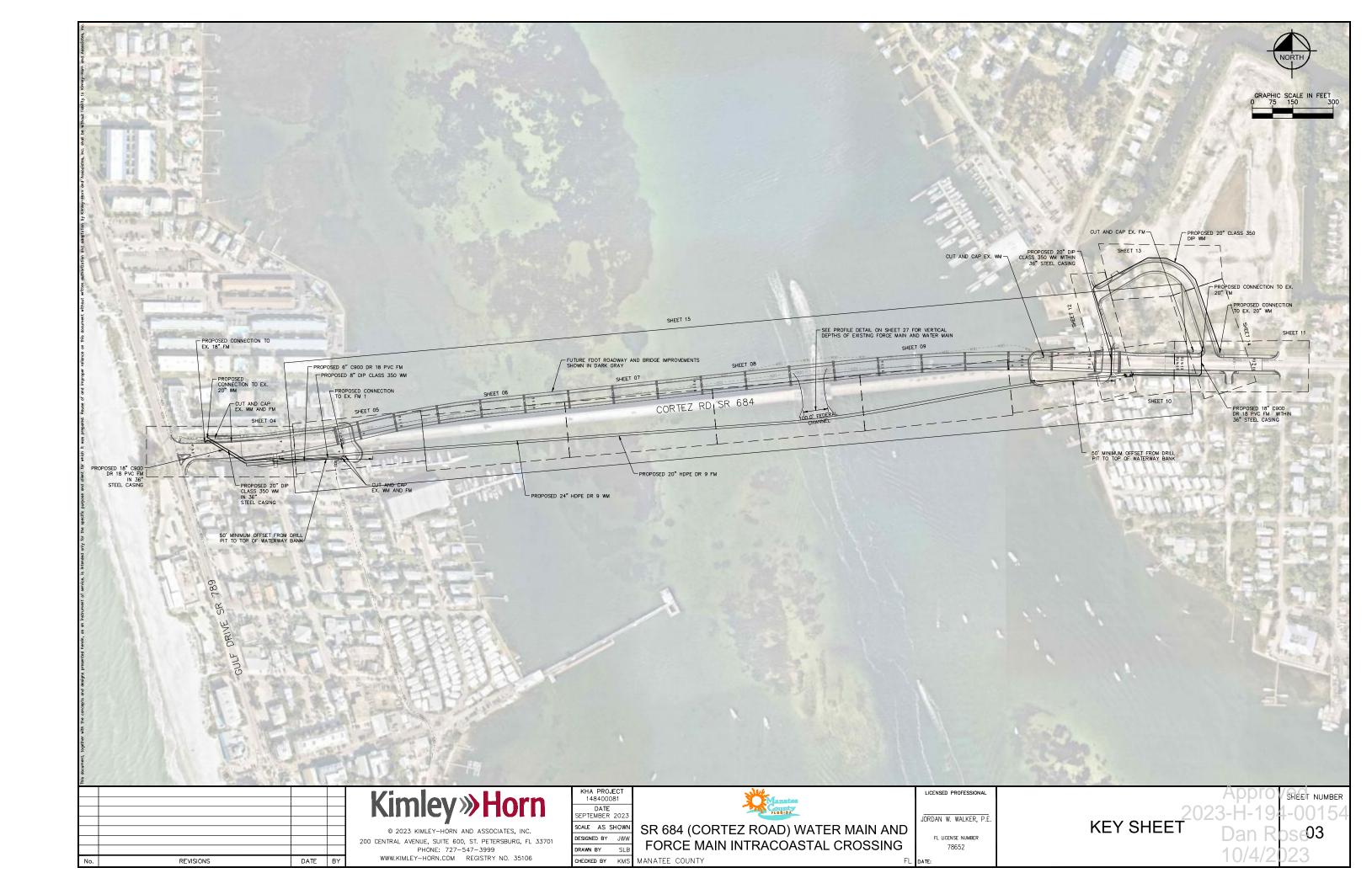
EX. BURIED ELECTRIC EX. WATER METER

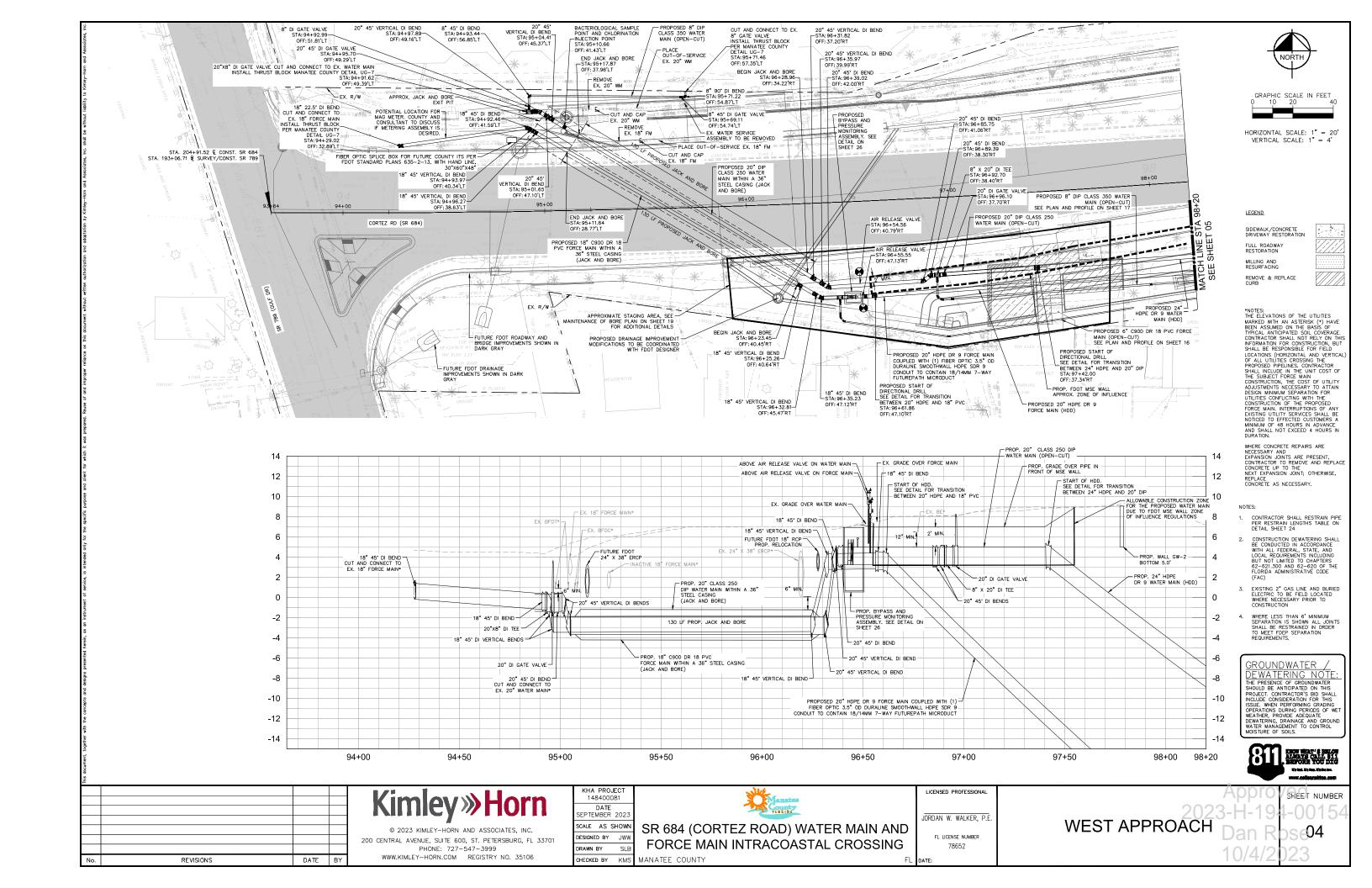
EX. WATER VALVE

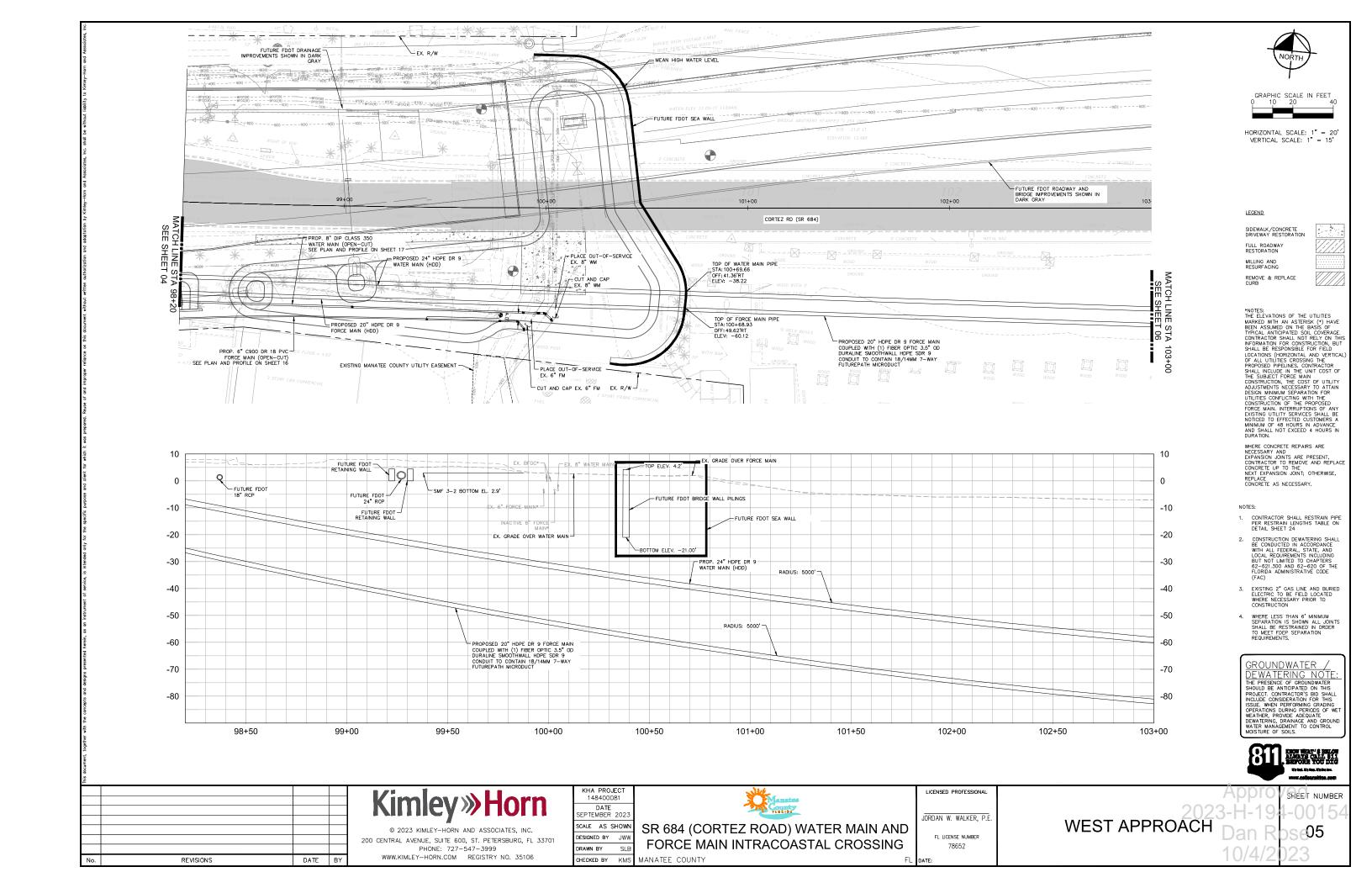
SHEET NUMBER

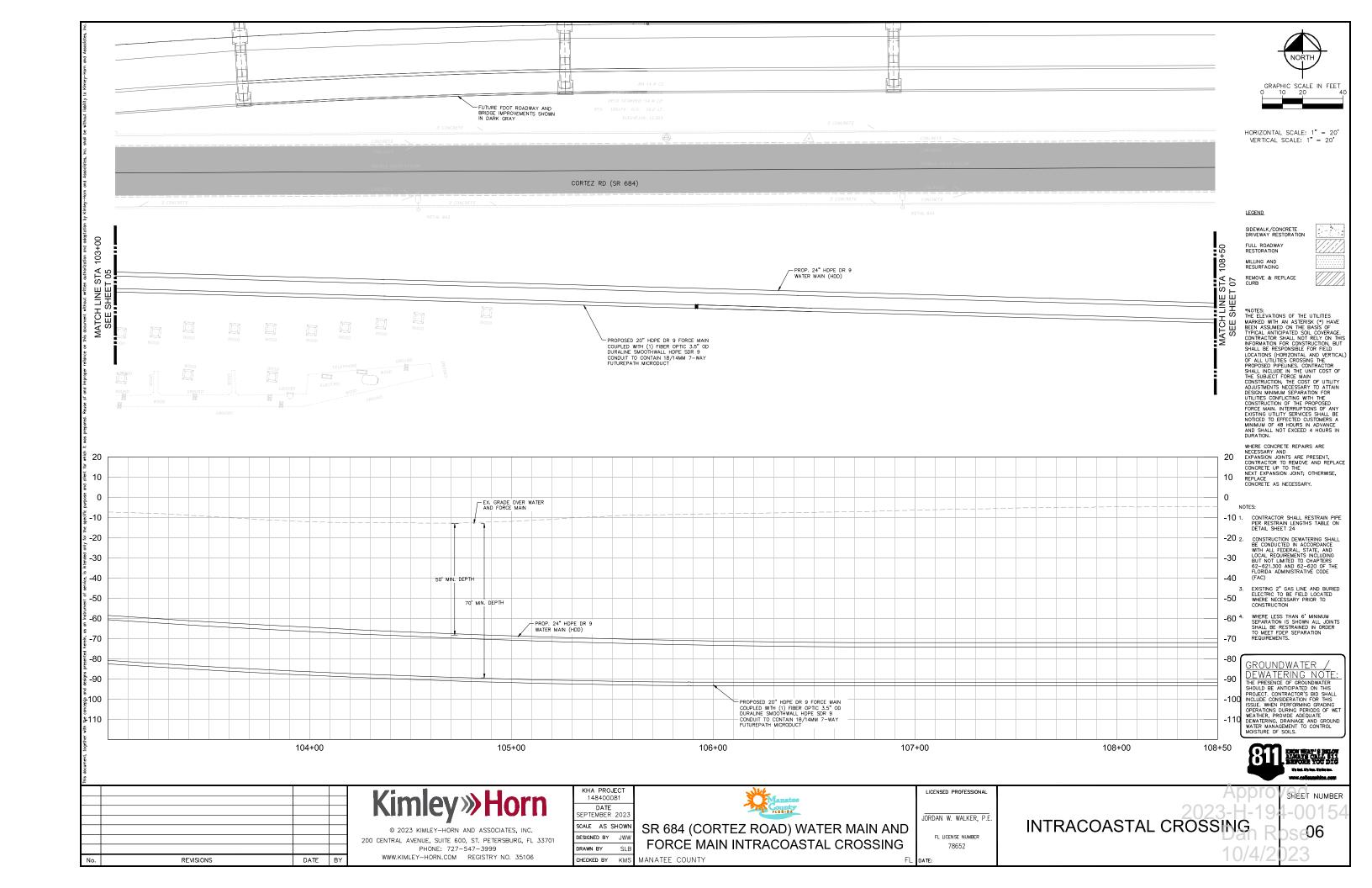
WATER

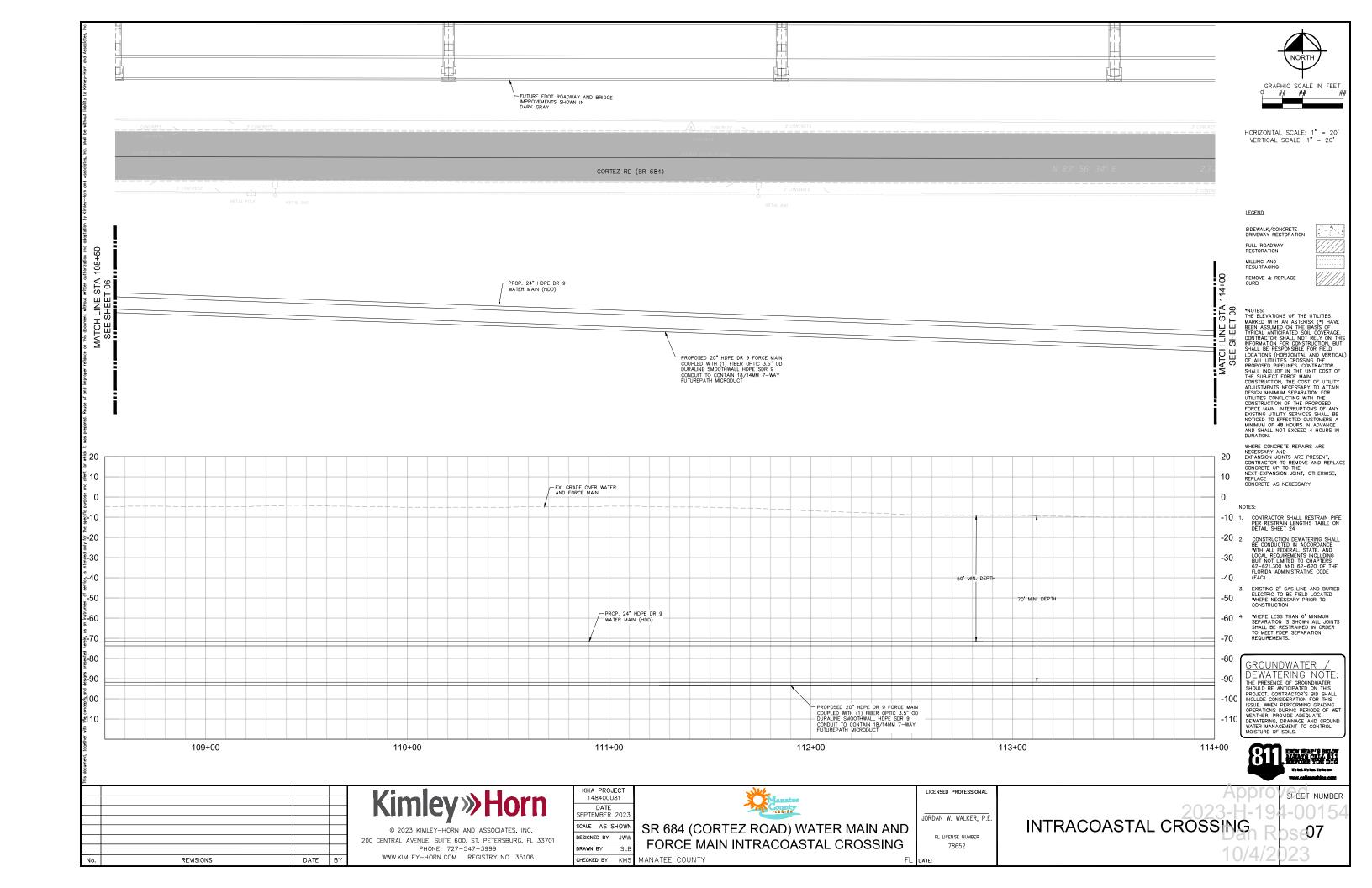
Dan Rbse02

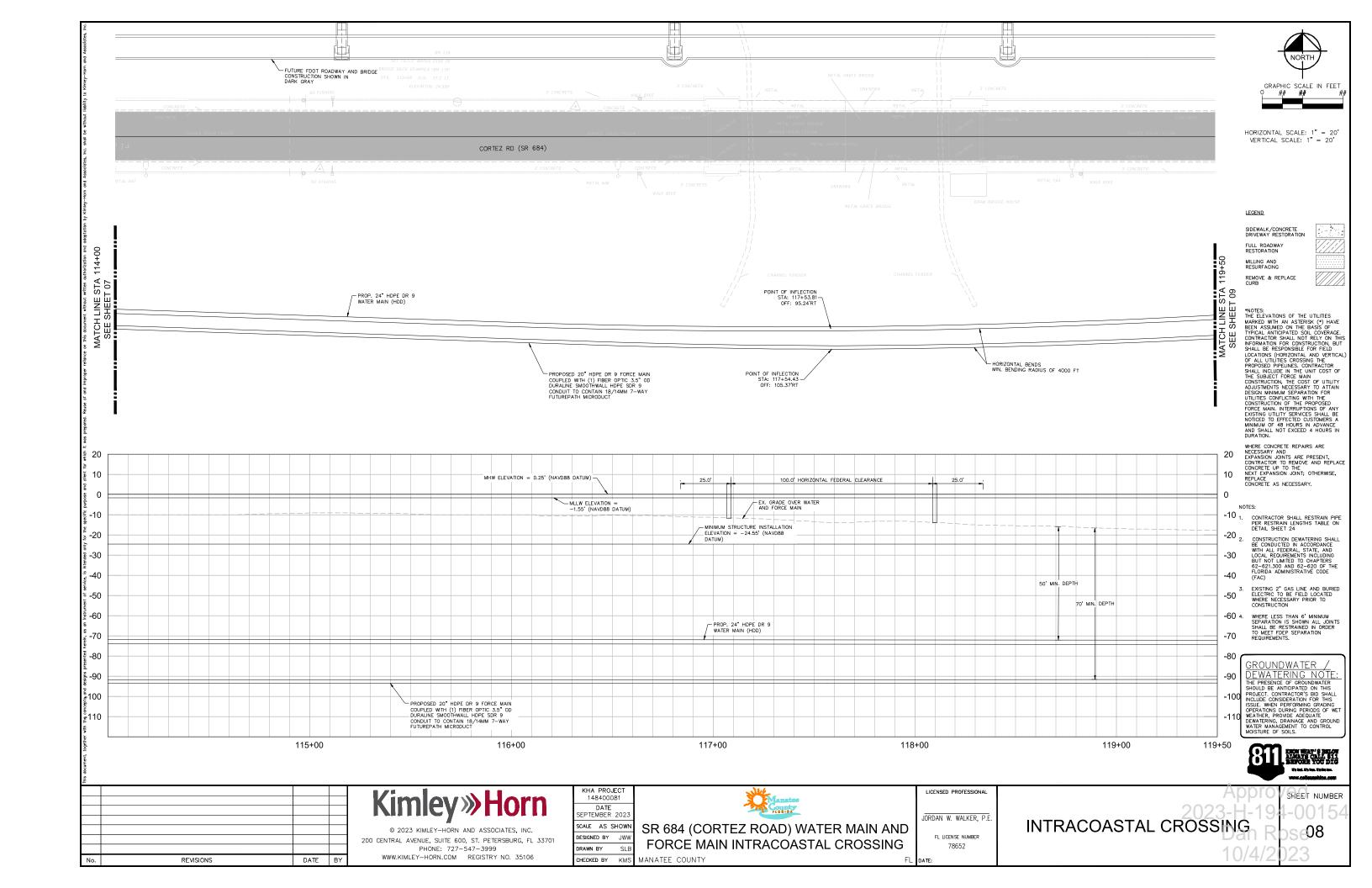


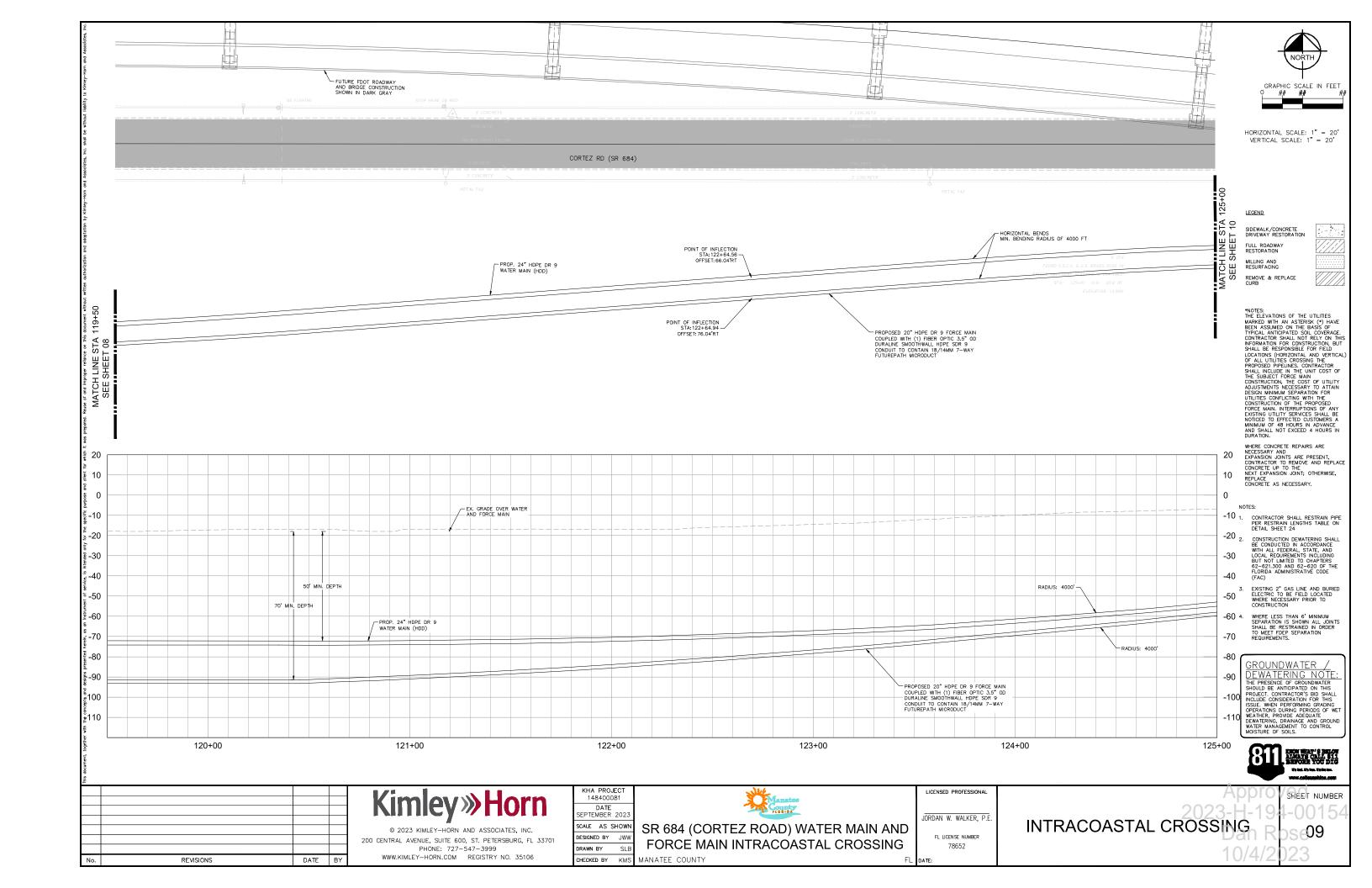


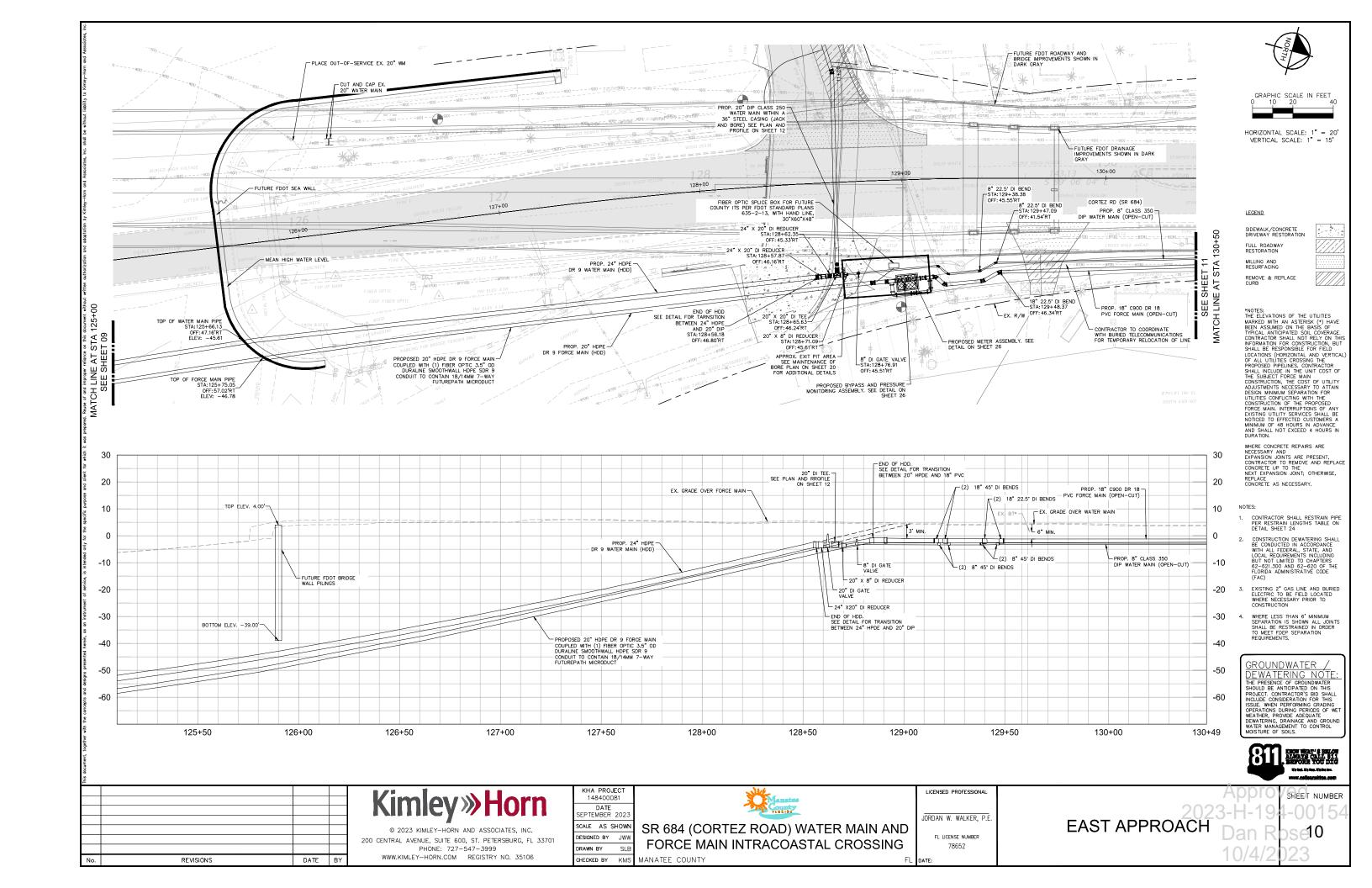


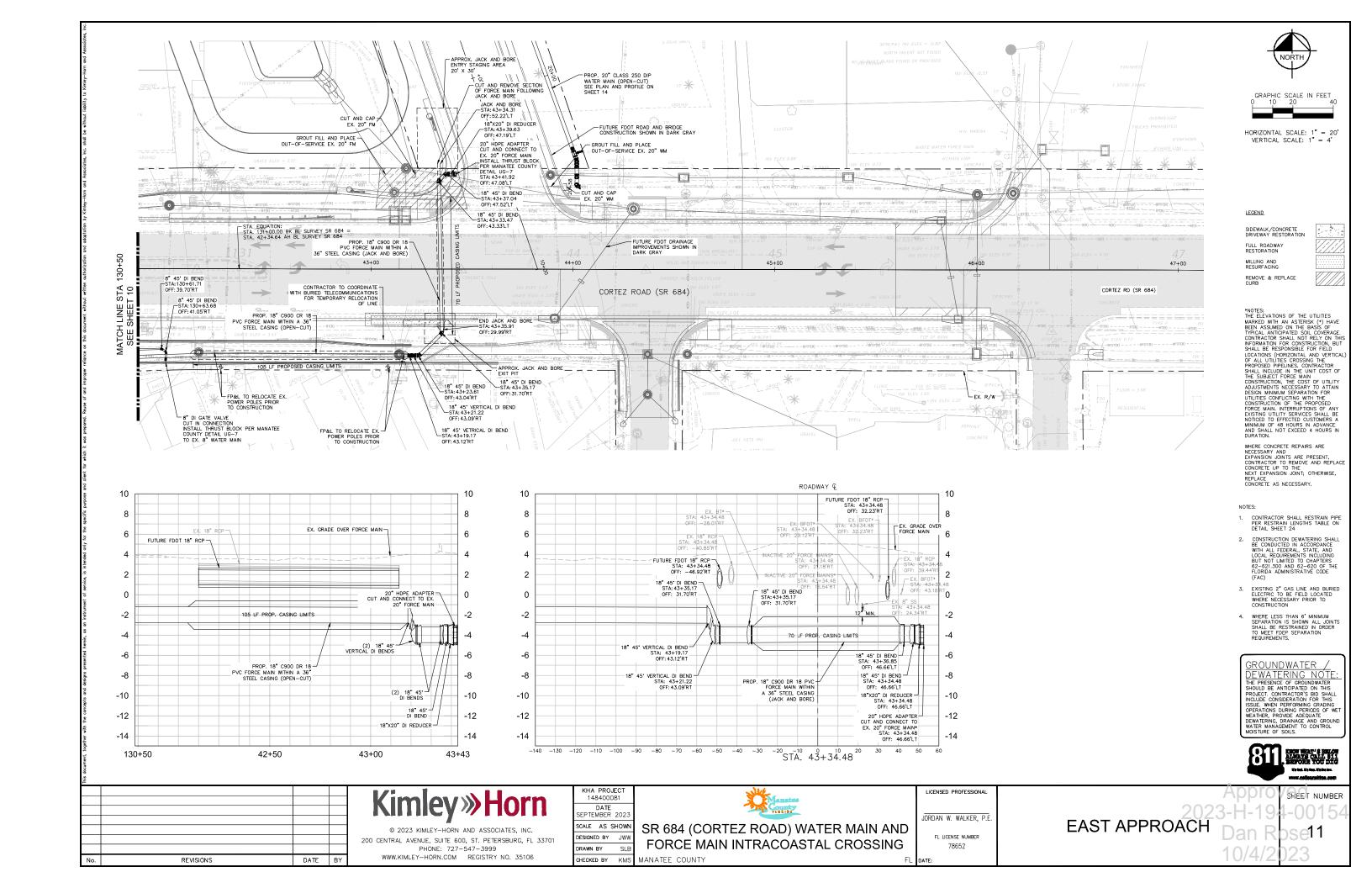
















HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 4'

LEGEND

SIDEWALK/CONCRETE DRIVEWAY RESTORATION

REMOVE & REPLACE CURB

*NOTES:
THE ELEVATIONS OF THE UTILITIES MARKED WITH AN ASTERISK (*) HAVE BEEN ASSUMED ON THE BASIS OF TYPICAL ANTICIPATED SOIL COVERAGE.

TYPICAL ANTICIPATED SOIL COVERAGE THIS MARKED WATHOUT FOR CONSTRUCTION, BUT SHALL BE RESPONSIBLE FOR FIELD LOCATIONS (FOREZONTAL AND VERTICAL) OF ALL UTILITIES CROSSING THE PROPOSED PIPELINES. CONTRACTOR SHALL INCLUDE IN THE UNIT COST OF THE SUBJECT FORCE MAIN CONSTRUCTION, THE COST OF UTILITY ADJUSTMENTS NECESSARY TO ATTAIN DESIGN MINIMUM SEPARATION FOR UTILITIES CONFICURION WITH THE CONSTRUCTION OF THE PROPOSED FORCE MAIN. INTERRUPTIONS OF ANY EXISTING UTILITY SERVICES SHALL BE NOTICED TO EFFECTIVE CUSTOMER'S A MINIMUM OF 48 HOURS IN ADVANCE AMONG THE PROPOSED 4 HOURS IN DURATION.

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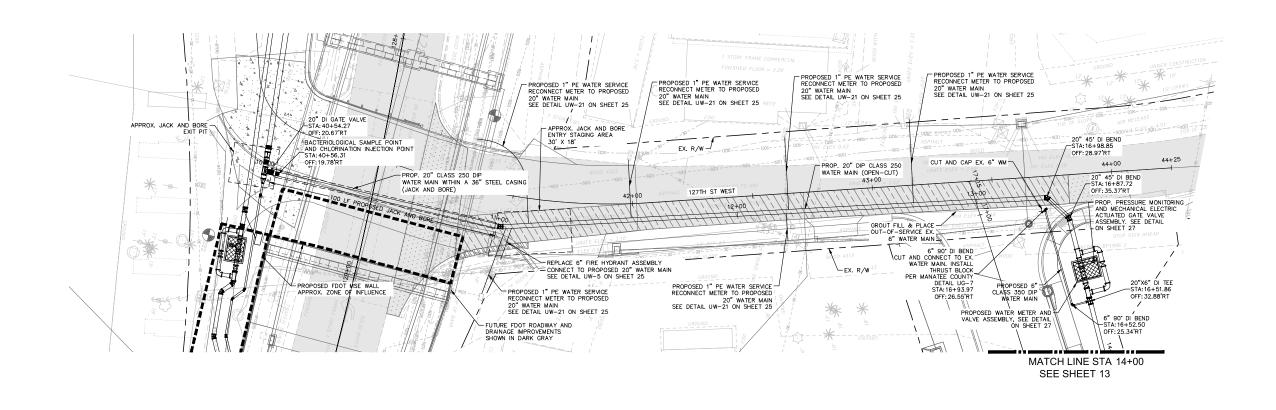
NOTES:

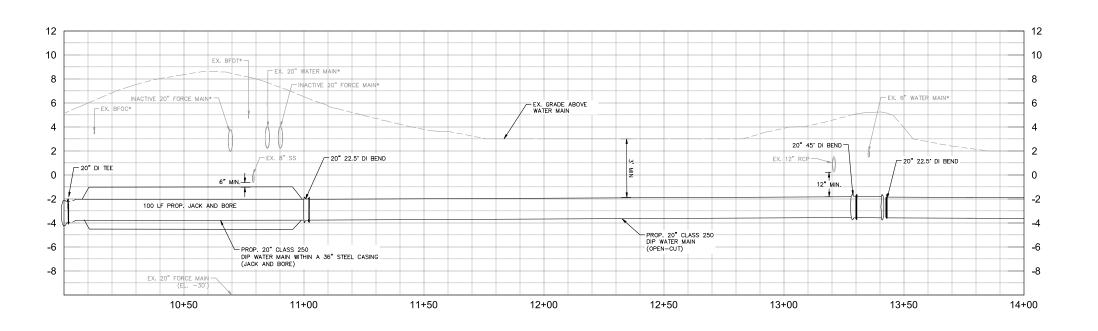
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REVISIONS

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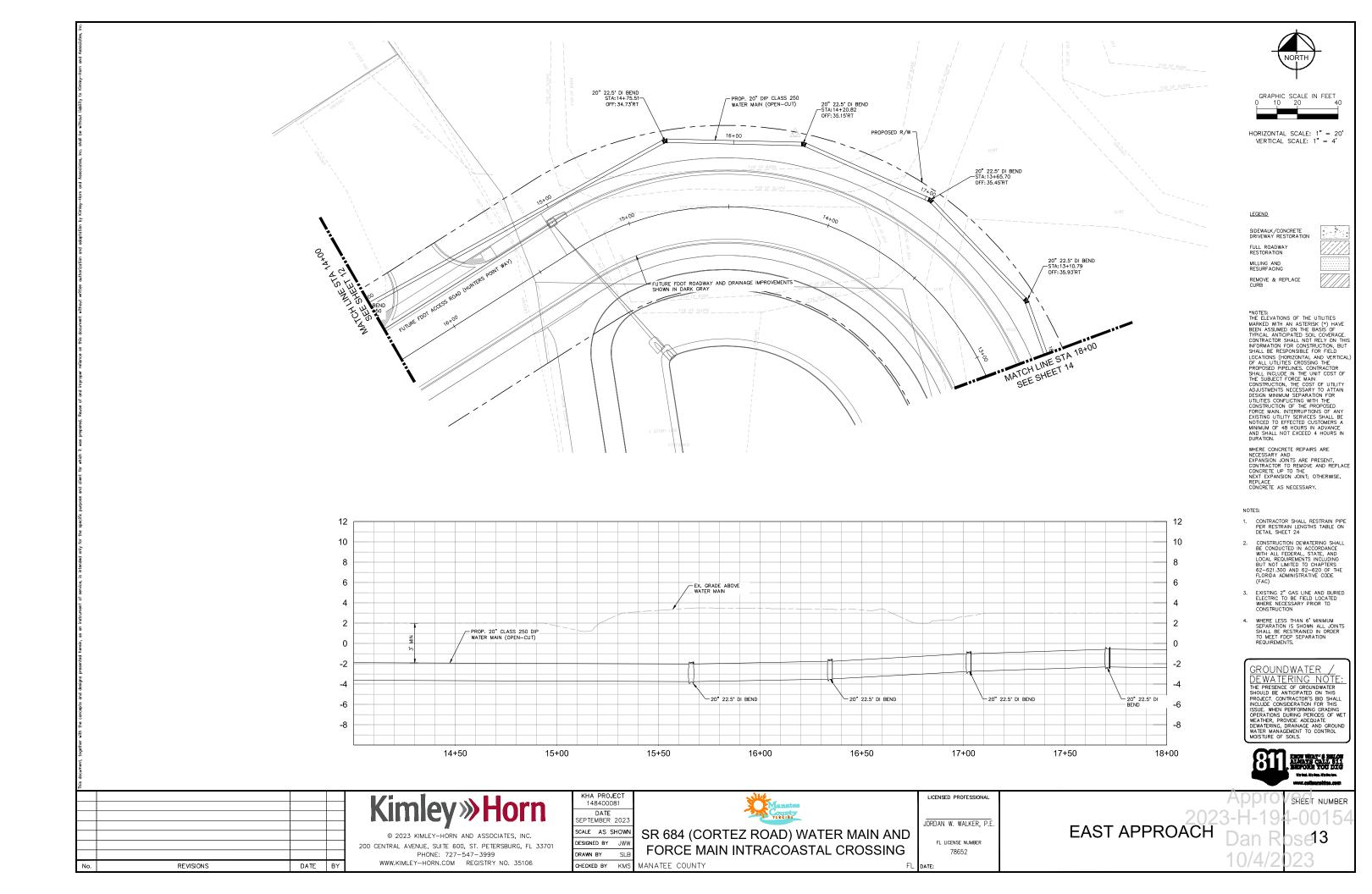
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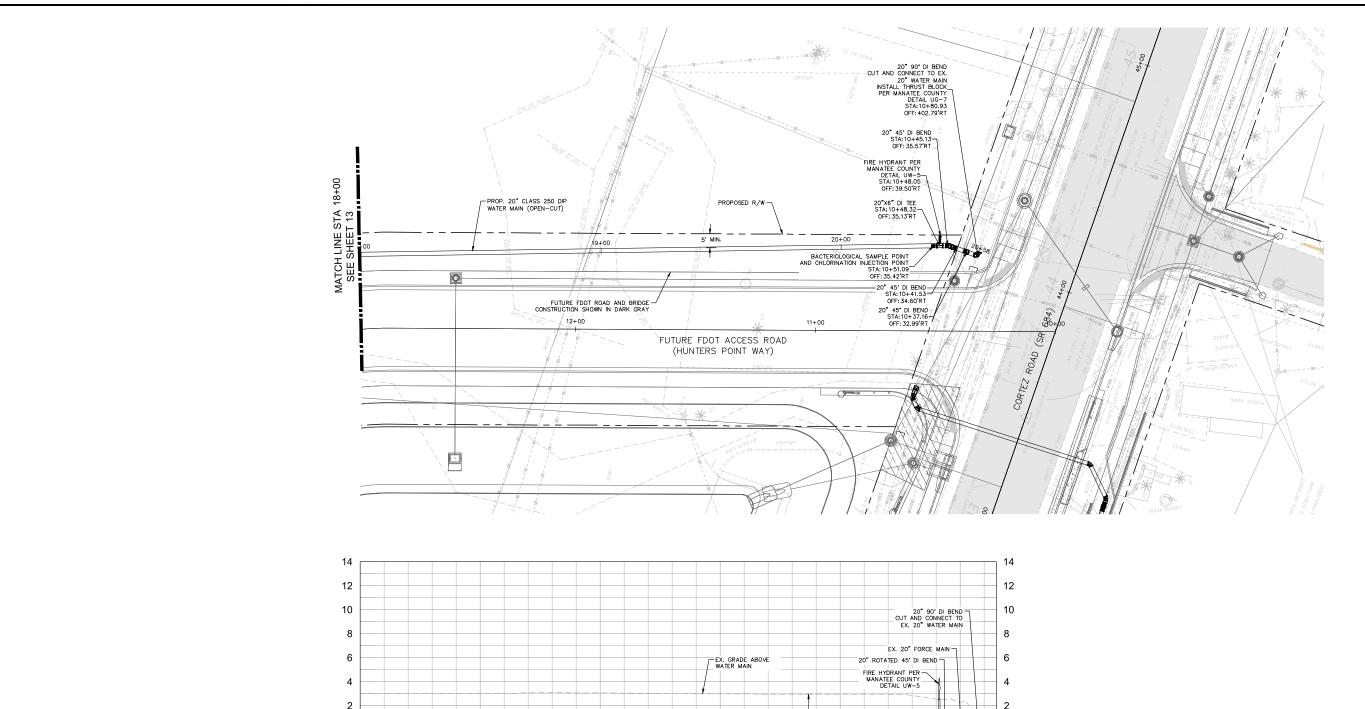
KHA PROJECT 148400081 DATE EPTEMBER 2023 CALE AS SHOWN ESIGNED BY JWW

SR 684 (CORTEZ ROAD) WATER MAIN AND FORCE MAIN INTRACOASTAL CROSSING DRAWN BY SLB CHECKED BY KMS MANATEE COUNTY

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

EAST APPROACH Dan







GRAPHIC SCALE IN FEET 0 10 20 4

HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 4'

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REVISIONS DATE BY

18+50

-6

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CHECKED BY KMS

19+00

SR 684 (CORTEZ ROAD) WATER MAIN AND FORCE MAIN INTRACOASTAL CROSSING MANATEE COUNTY

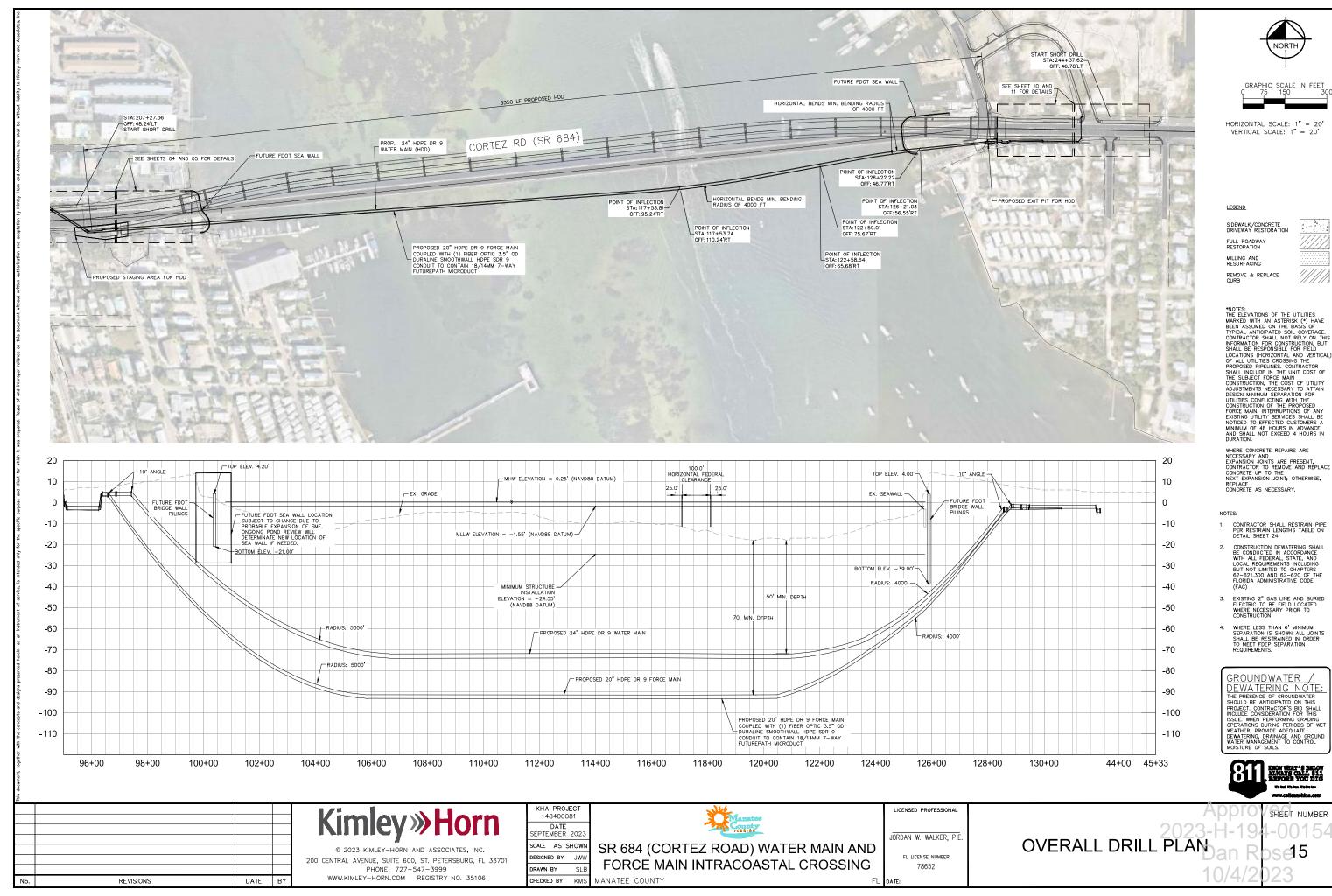
20+00

20"X6" DI TEE -20" 45" DI BEND -

> LICENSED PROFESSIONAL JORDAN W. WALKER, P.E FL LICENSE NUMBER 78652

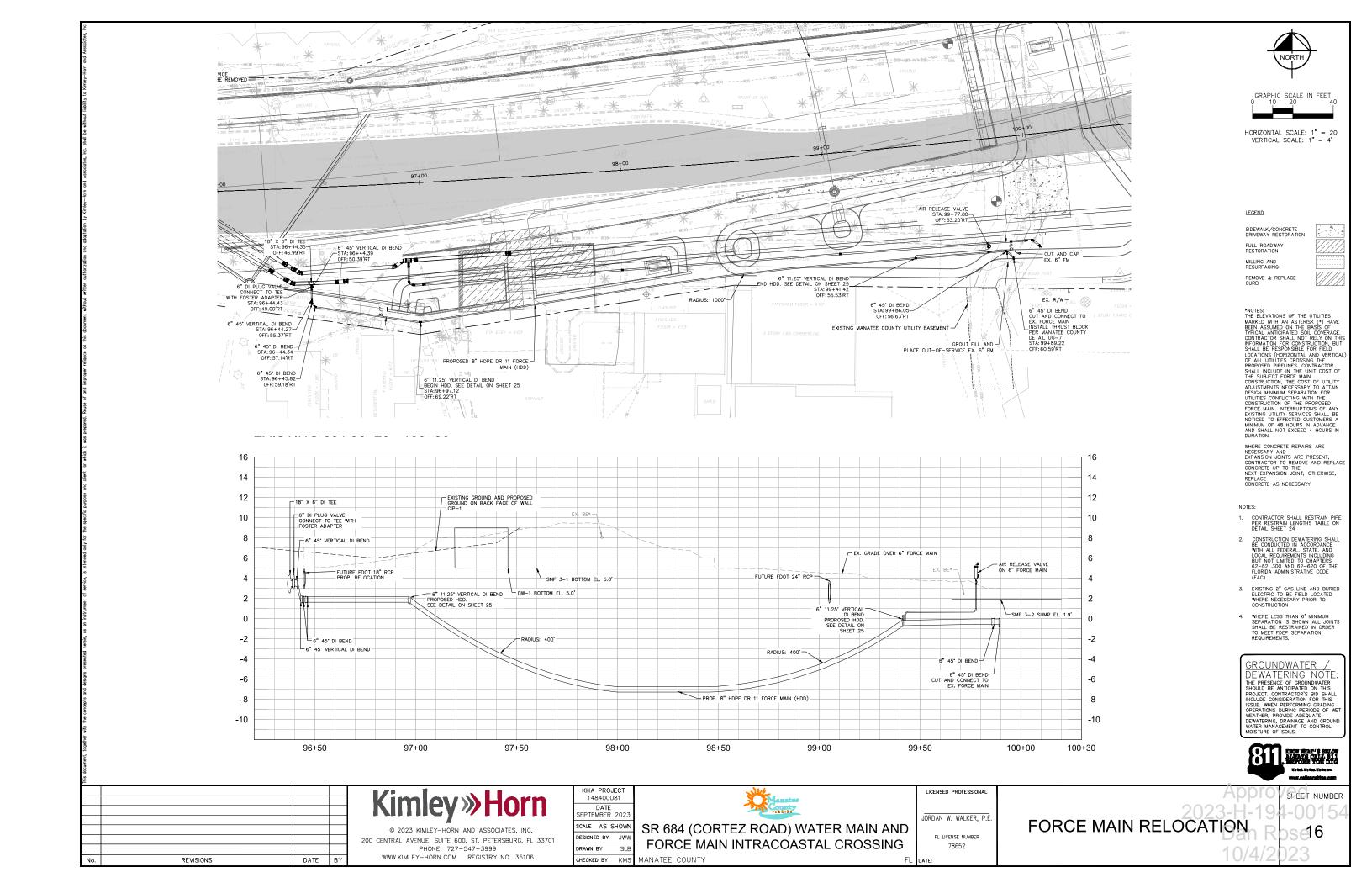
20+50 20+65

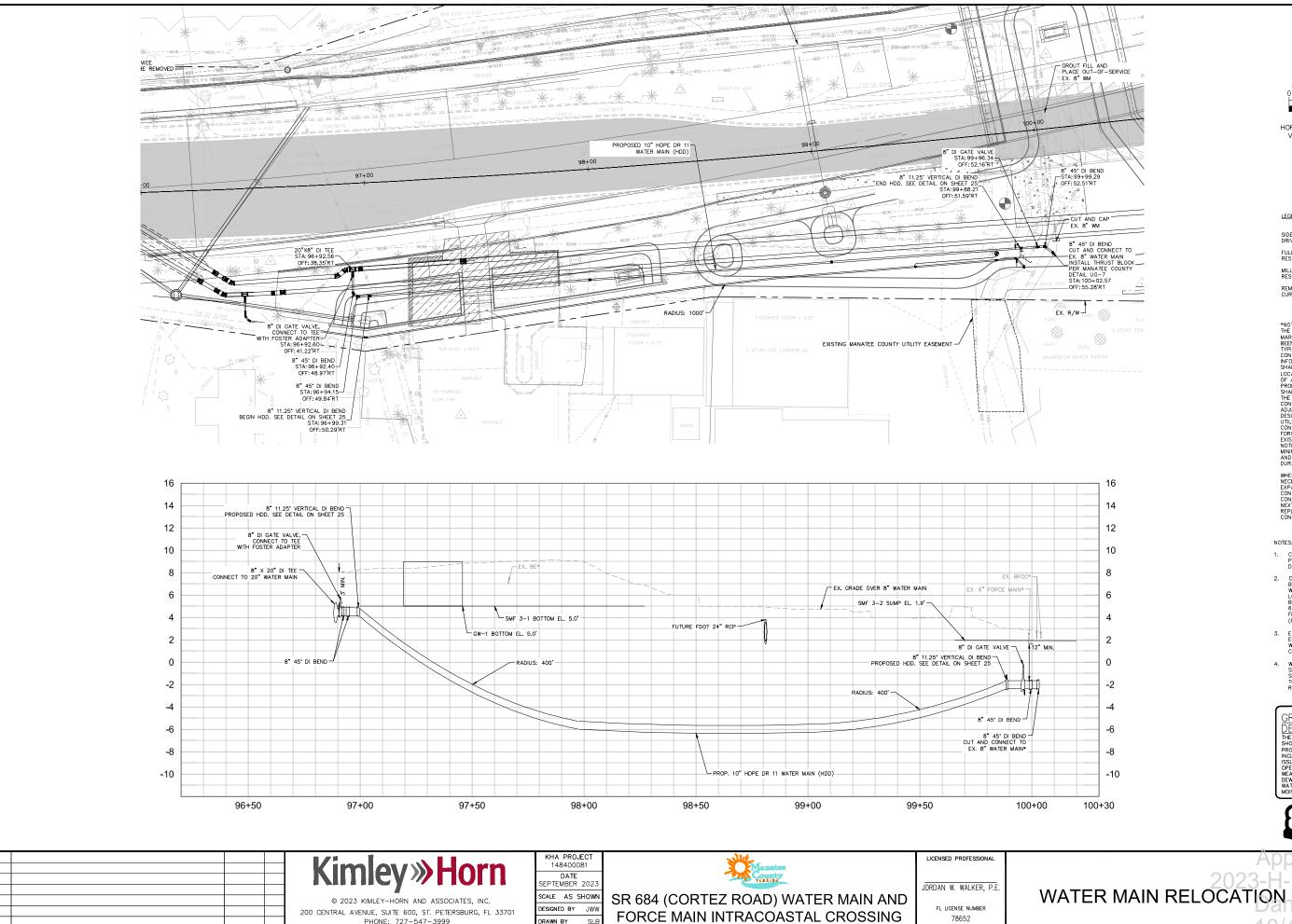
EAST APPROACH Dan



GRAPHIC SCALE IN FEET) 75 150 30









GRAPHIC SCALE IN FEET
10 20 4

HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 4'

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PHONE: 727-547-3999 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

REVISIONS

DATE BY

FORCE MAIN INTRACOASTAL CROSSING SLB CHECKED BY KMS MANATEE COUNTY



HORIZONTAL SCALE: 1" = 10' VERTICAL SCALE: 1" = 10'

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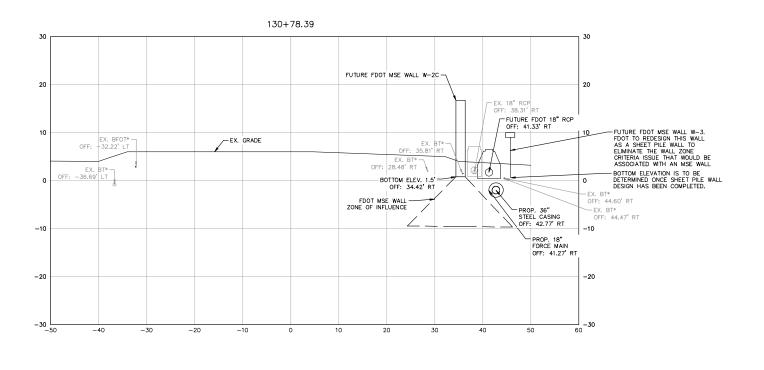
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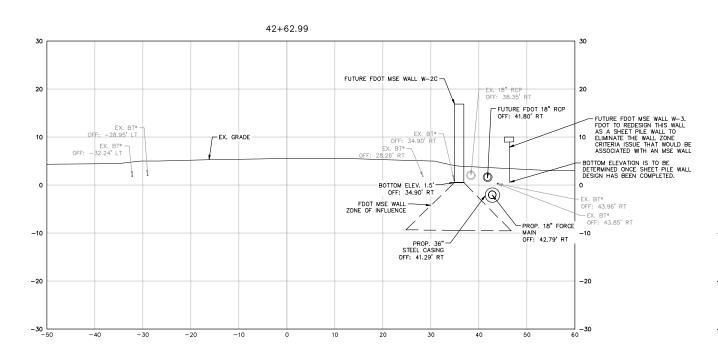


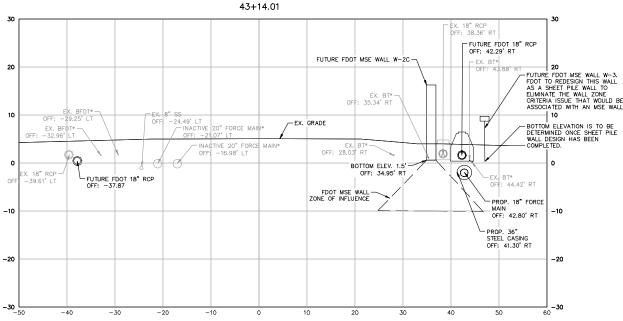
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REVISIONS DATE BY

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148400081 DATE EPTEMBER 202 CALE AS SHOWN ESIGNED BY JWW DRAWN BY SLB

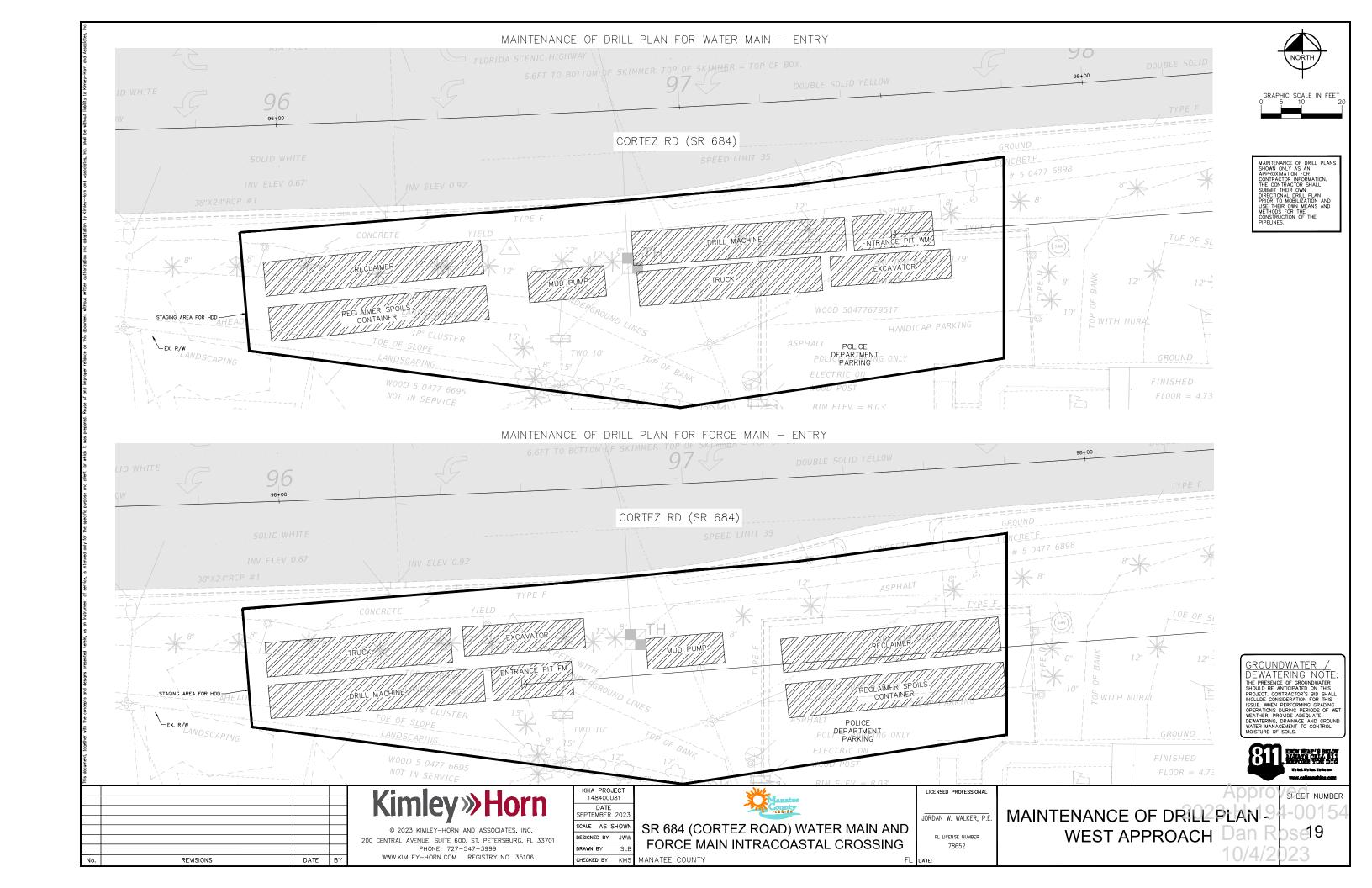
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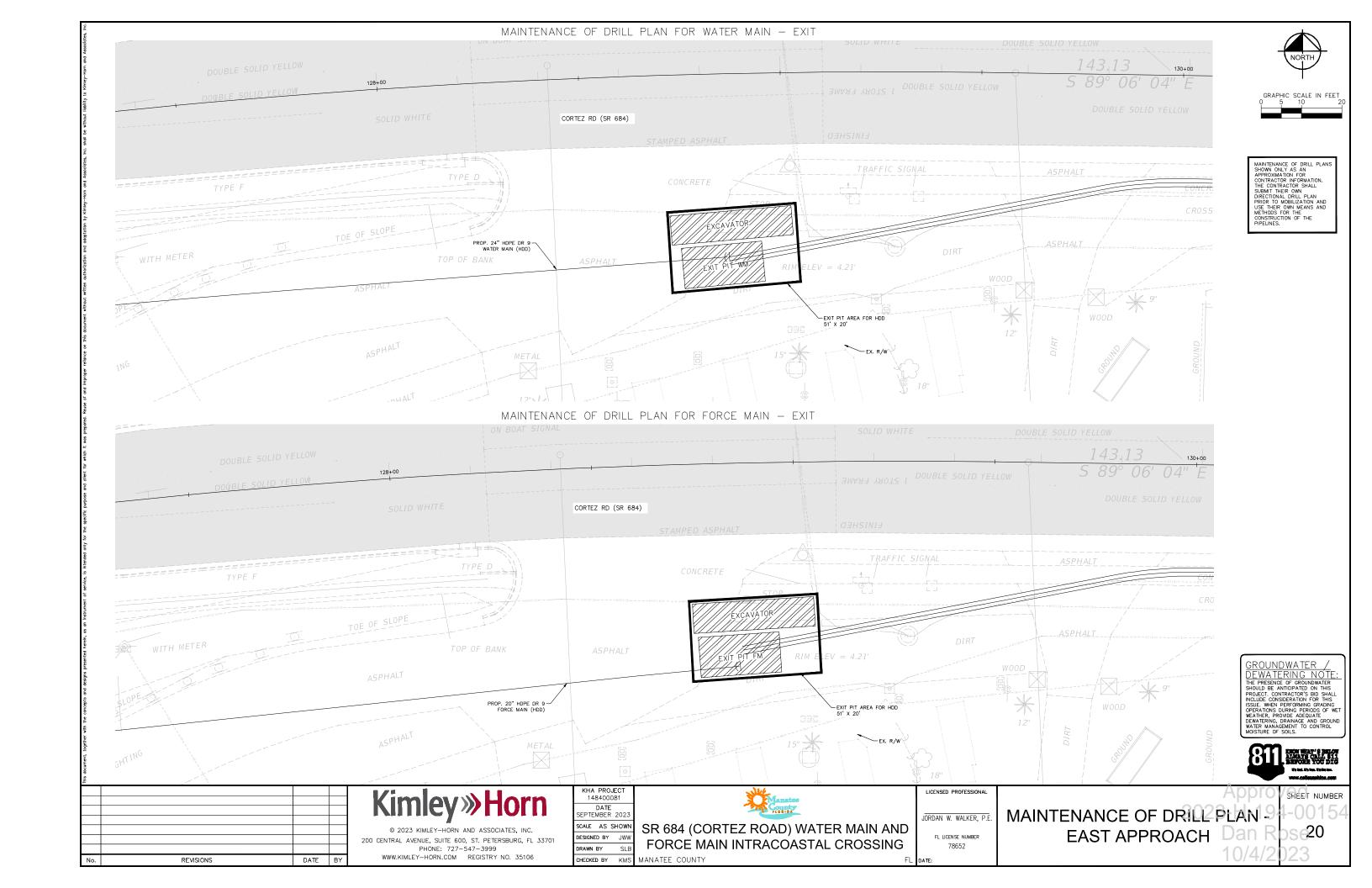
SR 684 (CORTEZ ROAD) WATER MAIN AND FORCE MAIN INTRACOASTAL CROSSING MANATEE COUNTY

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

78652

EAST APPROACH CORTEZ RD CROSS SECTIONS Dan R







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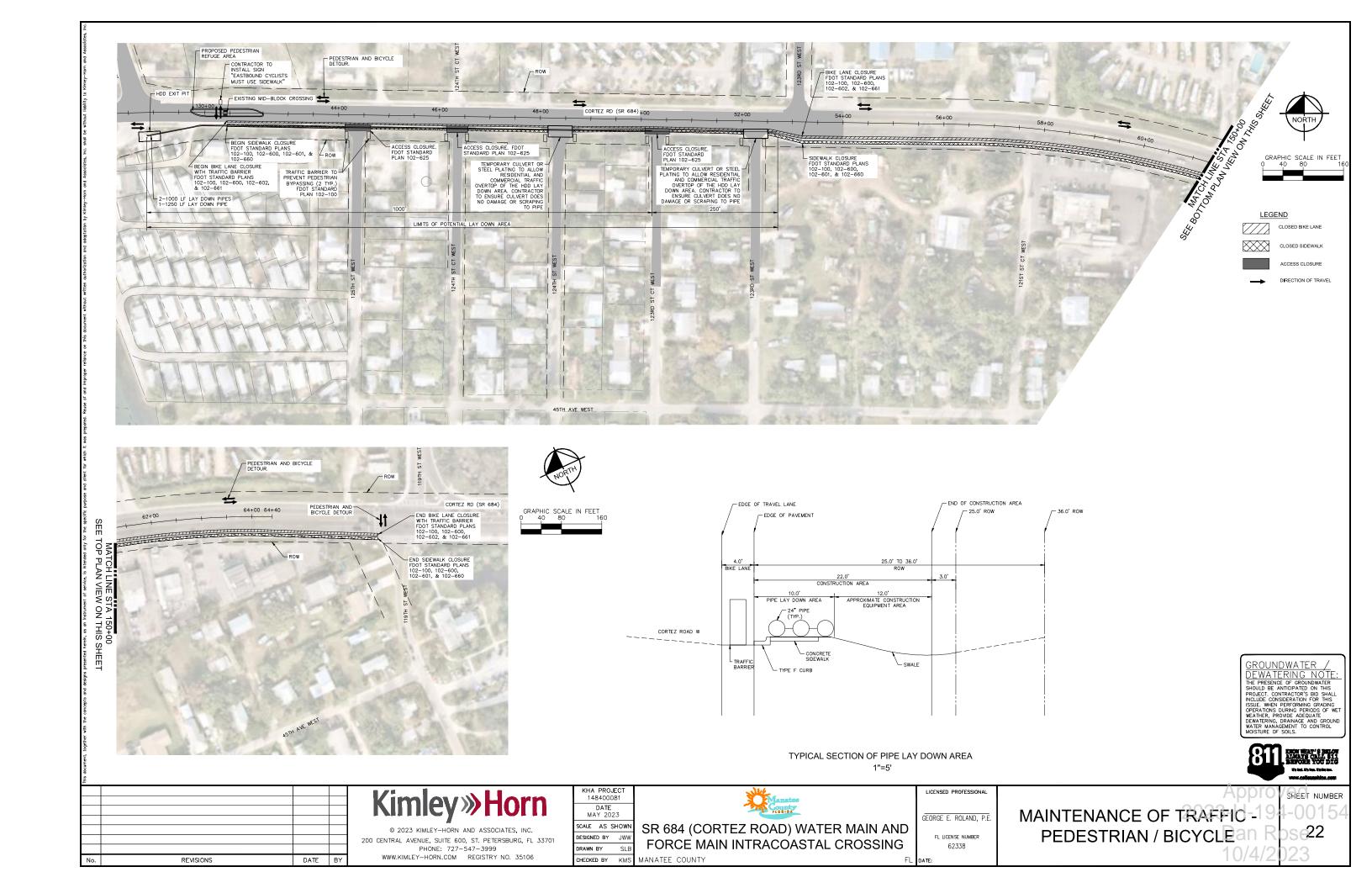
KHA PROJECT 148400081 DATE SEPTEMBER 2023 CALE AS SHOWN ESIGNED BY JWW

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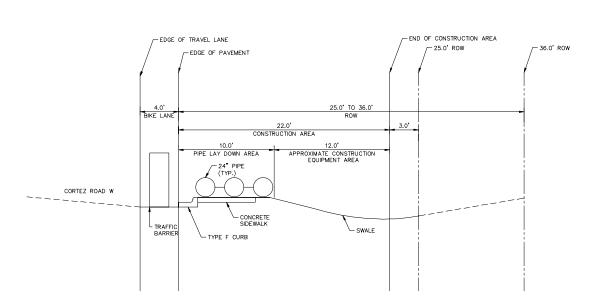
LICENSED PROFESSIONAL JORDAN W. WALKER, P.E.

FL LICENSE NUMBER 78652

MAINTENANCE OF DRILLPLAN LAY DOWN AREA Dan Rbse21







TYPICAL SECTION OF PIPE LAY DOWN AREA

SHEET NUMBER

<u>LEGEND</u>

CLOSED BIKE LANE CLOSED SIDEWALK ACCESS CLOSURE

DIRECTION OF TRAVEL

FL LICENSE NUMBER 62338

MAINTENANCE OF TRAFFIC - VEHICLE

Dan Rose23

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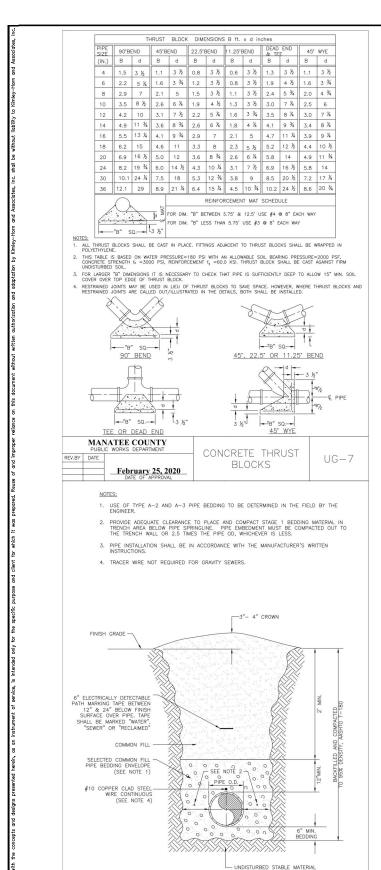
DATE MAY 2023 CALE AS SHOWN ESIGNED BY JWW DRAWN BY SLB MANATEE COUNTY CHECKED BY KMS

KHA PROJECT 148400081

SR 684 (CORTEZ ROAD) WATER MAIN AND FORCE MAIN INTRACOASTAL CROSSING

GEORGE E. ROLAND, P.E.

LICENSED PROFESSIONAL



REQUIRED LENGTH OF RESTRAINED JOINT PIPE FOR C900-16 PVC PIPE (DR-18)

MAIN	HOR	IZ. BE	ENDS		TEES				REDUCERS			PLUGS &	VALVES
SIZE	90*	45"	22.5*		5	SIZE LEN	NGTH		ç	SIZE LEN	IGTH		
24	90	38	18	X24 169	X20 132	X16 90	X12 38	X10	X20 64	X16 117	X12 158	21	4
20	78	32	16	X20 141	X16 101	X12 53	X10 24	X8 ₁	X16 65	X12 115	X10 149	18-	4
16	66	27	13	X16 111	X12 67	X10 41	X8 12		X12 64	X10 107	X8 111	15	1
12	52	22	10	X12 80	X10 56	X8 31	X6 ₁		X10 58	X8 62	X6 86	11	В
10	44	18	9	X10 63	X8 40	X6 7			X8 33	X6 61	X4 81	10	0
8	37	15	7	X8 49	X6 18	X4 ₁			X6 35	X4 60		83	5
6	29	12	6	X6 29	X41				X4 33			63	5
4	21	8	4	X4/12								45	5

RESTRAIN 11.25" BENDS 50% OF LENGTH FOR 22.5" BENDS.

- 1. RESIMAIN 11.25 BENDS 50% OF LENGTH FOR 22.5 BENDS.
 2. ALL VALVES AND FITTINGS SHALL BE RESTRAINED TO THE CONNECTING SECTIONS OF PIPE.
 3. ALL ISOLATION VALVES MUST BE PROPERLY ANCHORED OR RESTRAINED TO RESIST A 180 PSI TEST PRESSURE IN EITHER DIRECTION.
 4. PIPE SIZES ARE GIVEN IN INCHES.
 5. RESTRAINED PIPE LENGTHS ARE GIVEN IN FEET.
 6. LENGTHS SHOWN ARE FOR A TEST PRESSURE OF 180 PSI.

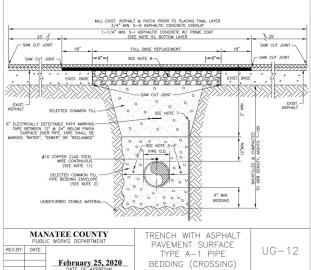
- THE RESTRAINED LENGTHS SHOWN IN THESE TABLES ARE BASED ON SOIL CLASSIFICATION SP WITH AWWA TYPE 3 TRENCH CONDITIONS, 180 PSI TEST PRESSURE, 3 FEET OF COVER AND 1.5 FACTOR OF SAFETY, ACTUAL BURY CONDITIONS WIST BE DETERMINED BY THE ENGINEER OF RECORD AND THE RESTRAINED LENGTHS MODIFIED ACCORDINGLY.
- RESTRAINED LENGTHS TO BE APPLIED TO PIPELINES PER DETAIL UG-10 RESTRAINED LENGTHS FOR PIPE.
- ALL RESTRAINED JOINT HARDWARE SHALL CONFORM TO 1.11.17 OF THE PUBLIC WORKS UTILITIES STANDARDS MANUAL.
- 10. ALL THREE "LEGS" OF TEES SHALL BE RESTRAINED PER THE STATED LENGTH IN THE TABLE.

		NATEE COUNTY C WORKS DEPARTMENT	RESTRAINED	
REV.BY	DATE		LENGTHS FOR PVC	UG-8
		February 25, 2020 DATE OF APPROVAL	PIPE	
NOTES:				

- ASPHALTIC CONCRETE STRUCTURE COURSE WITH PRIME COAT SHALL BE THE SAME DEPTH AND TYPE AS EXISTING OR A MINIMUM OF 1-1/4 INCH S-I, WHICHEVER IS GREATER.
- MILL 25' BACK FROM TRENCH CROSSING SAW CUTS. ADJUST MILLING PER INDIVIDUAL SITE TO NOT IMPACT BASE, BUTT JOINT TO EXIST ASPHALT, FINAL OVERLAY TO MATCH EXISTING WITH NO DISCERNABLE "BUMP" AT JOINT, MILLING LIMITS THAT IMPACT INTERSECTION SHALL BE ADDRESSED ON A CASE BY CASE BASIS AND APPROVED BY MANATE COUNTY.
- NEW BASE SHALL MATCH EXISTING; OR BE CRUSHED CONCRETE, 8" MIN. THICKNESS, LBR \$150, WHICHEVER IS GREATER.
- 9. TEMPORARY PATCHES WILL BE INSTALLED TO PROVIDE A SMOOTH ALL WEATHER SURFACE AT ALL TIMES. PERMANENT REPLACEMENT TO BE MADE AS SOON AS POSSIBLE.

 10. RESTORE SIGNAGE & MARKING WITH THERMOPLASTIC PER FDOT STANDARDS, LATEST EDITION.

 11. TRACER WIRE NOT REQUIRED FOR GRAVITY SEWERS.
- NOTES 5. THRU 10. ARE MINIMUM REQUIREMENTS FOR A TRENCH IN A LOCAL ROAD. REFER TO LATEST EDITION OF MANATEE COUNTY HIGHWAY AND TRAFFIC STANDARDS FOR ADDITIONAL REQUIREMENTS.



REQUIRED LENGTH OF RESTRAINED JOINT PIPE FOR DIP (POLY-WRAPPED)

PIPE	HORIZ. DENDS		ILLS					REDUCERS			1 L005 W	MULTILO		
SIZE	90"	45*	22.5*		SIZE	LENGTI	Н			SIZE	LENGTI	4		
36	142	59	28	×36 393 ×30 31	8 ×24 232	x20 165	x16 84	x12	X30 137	X24 247	X20 309	X16 359	45	3
30	124	51	25	X30 333 X24 25	2 X20 189	X16 115	X12 23	x10 1	X24 137	X20 213	X16 276		39	11
24	106	44	21	X24 X20 X20 21	1 X16 1 143	X12 61	X10 10	x8 1	X20 98	X16 178	X12 241		32	7
20	92	38	18	X20 X16 225 16	1 X12 1 85	X10 39	x8 ₁		X16 98	X12 176	X10 227		28	0
16	77	32	15	X16 X12 10	7 X10 7 65	X8 19	x61		X12 98	X10 163	X8 169		23	51
12	61	25	12	X12 X10 89	X8 50	x6			X10 88	X8 96	X6 131		18	1
10	52	22	10	X10 X8 64	x6 11				X8 51	X6 94	X4 125		15	3
8	44	18	9	X8 X6 30	×41				X6 54	X4 92			12	8
6	34	14	7	X6 46 ×4	1				X4 50				9	3
4	24	10	5	x4 19									6	9

SEE UG-8, <u>RESTRAINED LENGTHS FOR PVC PIPE</u> DETAIL FOR NOTES 1 THROUGH 9 THAT ARE ALSO APPLICABLE TO RESTRAINED LENGTHS FOR DIP.

		NATEE COUNTY C WORKS DEPARTMENT	RESTRAINED	
REV.BY	DATE		I FNGTHS FOR DIP	UG-9
		February 25, 2020	LENGINS FOR DIF	

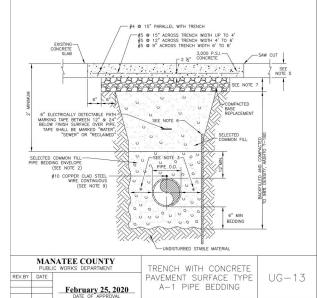
- USE OF TYPE A-2 AND A-3 PIPE BEDDING TO BE DETERMINED IN THE FIELD BY THE ENGINEER PROVIDE ADEQUATE CLEARANCE TO PLACE AND COMPACT STAGE 1 BEDDING MATERIAL IN TRENCH AREA BELOW PIPE SPRINGLINE. PIPE EMBEDDENT MUST BE COMPACTED OUT TO THE TRENCH WALL OR 2.5 TIMES THE PIPE ON, WHICHEVER IS LESS.

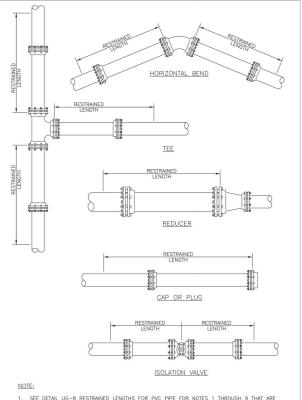
 PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- THICKNESS TO MATCH EXISTING OR BE 8" MINIMUM, WHICHEVER IS GREATER.
- SHEETING ORDERED LEFT IN PLACE TO BE CUT OFF 24" BELOW FINISHED GRADE OR 12" BELOW SUBGRADE BASE SHALL BE CRUSHED CONCRETE, 8" MIN. THICKNESS, LBR \$150.

- TEMPORARY PATCHES WILL BE INSTALLED TO PROVIDE A SMOOTH ALL WEATHER SURFACE AT ALL TIMES. PERMANENT REPLACEMENT TO BE MADE AS SOON AS POSSIBLE.

 TRACER WIRE NOT REDUIRED FOR GRANTY SEWERS.

 NOTES 5 THRU 8 ARE MINIMUM REQUIREMENTS. REFER TO MANATEE COUNTY HIGHWAY AND TRAFFIC STANDARDS FOR ADDITIONAL REQUIREMENTS.





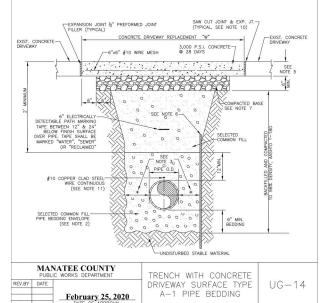
SEE DETAIL UG-8 <u>RESTRAINED LENGTHS FOR PVC PIPE</u> FOR NOTES 1 THROUGH 9 THAT ARE ALSO APPLICABLE TO RESTRAINED LENGTHS FOR PIPE.

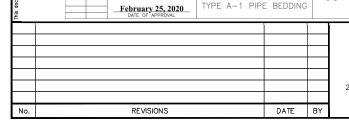
		NATEE COUNTY IC WORKS DEPARTMENT	RESTRAINED 4.0 4.0	
EV.BY	DATE		LENGTHS FOR PIPE UG-10	
		February 25, 2020 DATE OF APPROVAL	LENOTTIS FOR THE	

- PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS
- THICKNESS TO MATCH EXISTING OR BE 6" MINIMUM, WHICHEVER IS GREATER.

 SHEETING ORDERED LEFT IN PLACE TO BE CUT OFF 24" BELOW FINISH GRADE OR 12" BELOW SUBGRADE

 BASE SHALL BE COMPACTED 6" MINIMUM THICKNESS OF APPROVED MATERIAL.
- DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST ADOPTED CONSTRUCTION STANDARDS OF THE MANATEE COUNTY TRANSPORTATION DEPARTMENT. IF THE DRIVEWAY IS 12' OR WIDER, SAWCUT AN EXPANSION JOINT ALONG THE CENTER OF THE DRIVEWAY $(\%_6"$ WIDE AND $1\%_7"$ DEEP) AFTER THE CONCRETE HAS SET.
- 10. IF THERE IS AN EXISTING EXPANSION JOINT WITHIN 3' OF THE PROPOSED JOINT, EXTEND DRIVEWAY REPLACEMENT TO THE EXISTING JOINT, TRACER WITHER NOT REQUIRED FOR GRAVITY SEWERS.





TRENCH WITH

UNIMPROVED SURFACE

UG-11

MANATEE COUNTY

© 2023 KIMLEY-HORN AND ASSOCIATES, INC. 200 CENTRAL AVENUE, SUITE 600, ST. PETERSBURG, FL 33701 PHONE: 727-547-3999 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

148400081 DATE SEPTEMBER 2023 SCALE AS SHOWN DESIGNED BY JWW DRAWN BY SLB

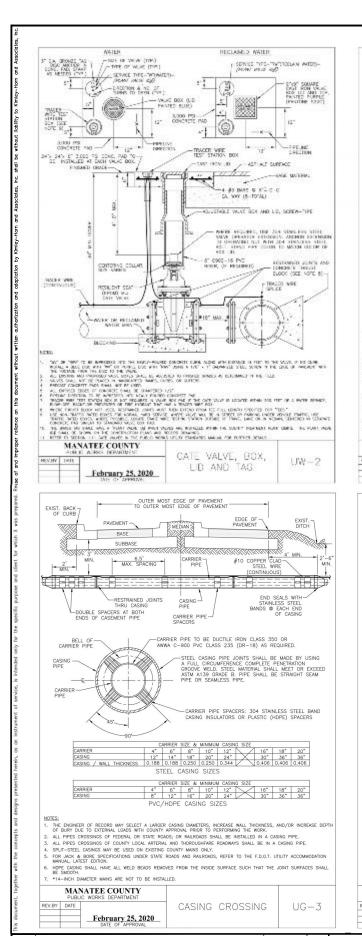


SR 684 (CORTEZ ROAD) WATER MAIN AND FORCE MAIN INTRACOASTAL CROSSING CHECKED BY KMS MANATEE COUNTY

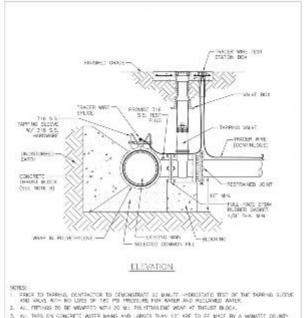
LICENSED PROFESSIONAL JORDAN W. WALKER, P.E FL LICENSE NUMBER 78652

DETAILS

ADDIO SHEET NUMBER



REVISIONS

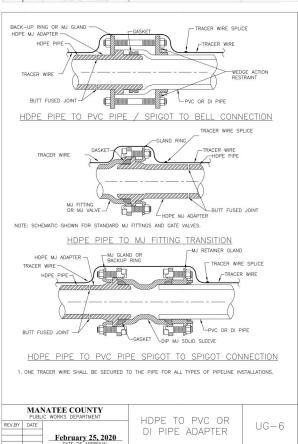


ALL TARS ON CONCRETE WATER MANG AND LARGER THAN 10" ARE TO SE MADE BY A MANATTE COUNTY APPROXED TAPPING COMPANY, ALL MATERIALS TO SE SUPPLIED BY THE CONTRACTOR. 41. THIS MUST BE OF A SHALLER SEE THAN THE MAY BOING TAPPED A PLACED INC CLUSSOR THAN 30' OR A SERVICE COURT TO (1) MAY DIRE CHARLER PLUS (2) TAP DIRE CHARLERS IS GREATED, FROM A 20HT OF THISS.

CONTRACTOR OF SEPRENT AS DETERMINED FOR THE PART ONLY TO WORK IN AND A SECRETOR TO LOWER THE BIG SECRETOR OF THE LOCAL ASSETS THE SECRETOR OF THE LOCAL ASSETS THE SECRETOR OF THE SECRETOR OF

MANATEE COUNTY PUBLIC WORKS DEPARTMENT TAPPING SLEEVE AND VALVE (WATER/RECLAIM) February 25, 2020

UW-3

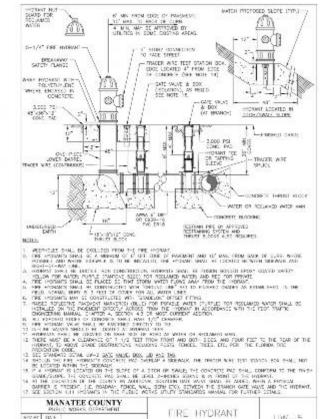


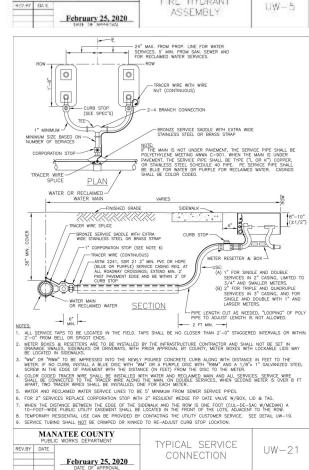
© 2023 KIMLEY-HORN AND ASSOCIATES, INC.

200 CENTRAL AVENUE, SUITE 600, ST. PETERSBURG, FL 33701

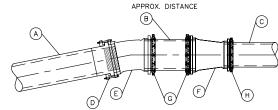
PHONE: 727-547-3999

WWW.KIMLEY-HORN.COM REGISTRY NO. 35106





LIMITS OF DIRECTIONAL BORE (COST OF ALL PIPING, FITTINGS, RESTRAINTS, ETC. TO BE INCLUDED IN COST OF DIRECTIONAL BORE)



- A HDPE PIPE (NOMINAL SIZE NOTED IN TABLE BELOW)
- B) 3 LF OF PVC OR DI PIPE (NOMINAL SIZE NOTED IN TABLE BELOW)
- PVC PIPE (NOMINAL SIZE NOTED IN TABLE BELOW)
- HDPE/DUCTILE IRON M.J. ADAPTER WITH GASKET SEAL AND STAINLESS STELL STIFFENER (NOMINAL SIZE NOTED IN TABLE BELOW)
- 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.
- PVC/DI PIPE/M.J. JOINT RESTRAINT (SIZE NOTED IN
- PVC/DI PIPE/M.J. JOINT RESTRAINT (SIZE NOTED H PVC/DI PIPE/M.J. IN TABLE BELOW)

DIAMETER OF DRILL PIPE	A	В	0	0	E	F	©	H
6"	6"	6"	4"	6"	6"	6"x4"	6"	4"
8"	8"	8"	6"	8"	8"	8"×6"	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"	18"	20"	20"	20"x18"	20"	18"
24"	24"	24"	20"	24"	24"	24"x20"	24"	20"

HDPE TO PVC/DIP TRANSITION DETAIL



SEPTEMBER 2023 SCALE AS SHOWN DESIGNED BY JWW SLB

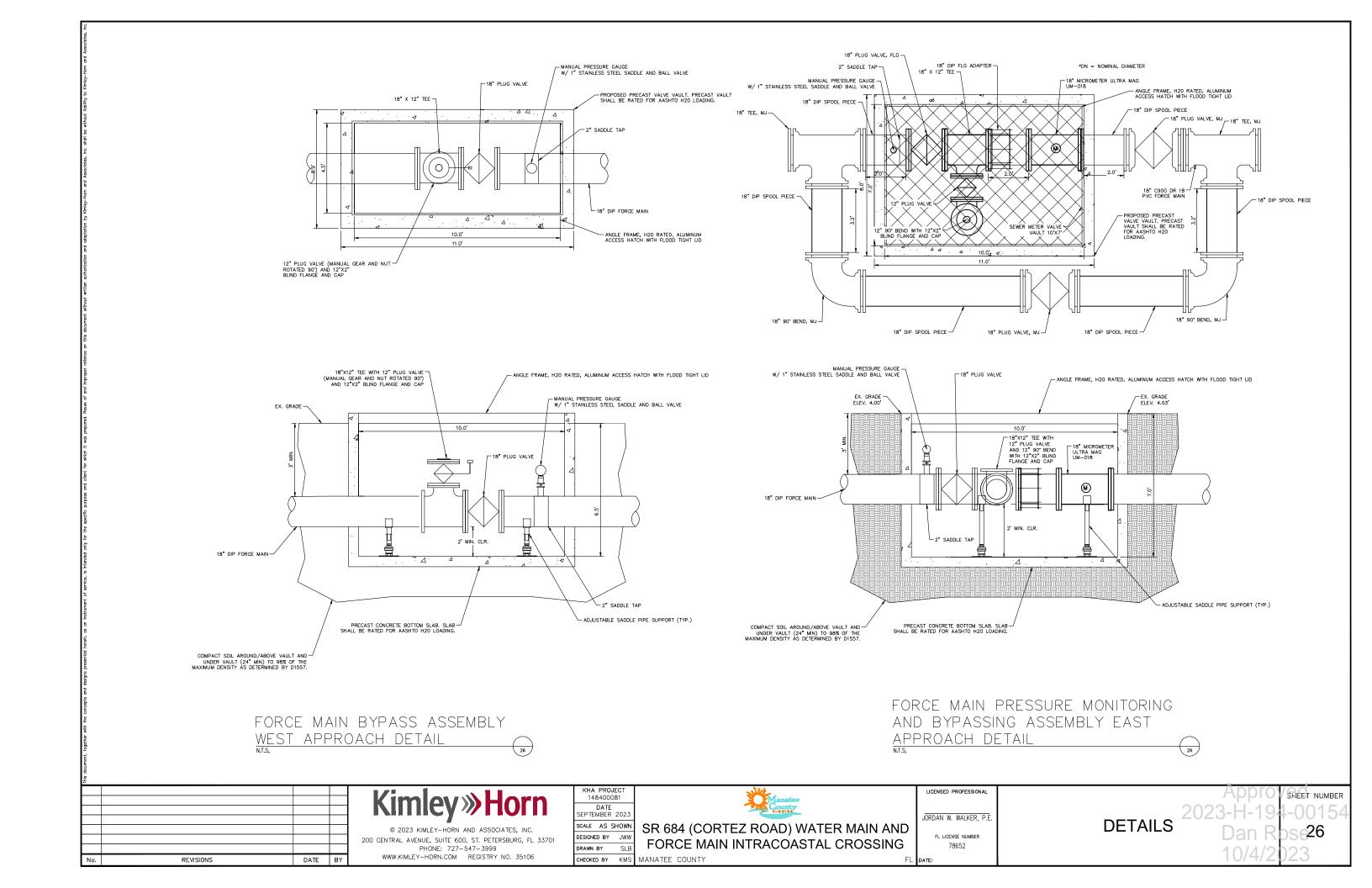
148400081 DATE

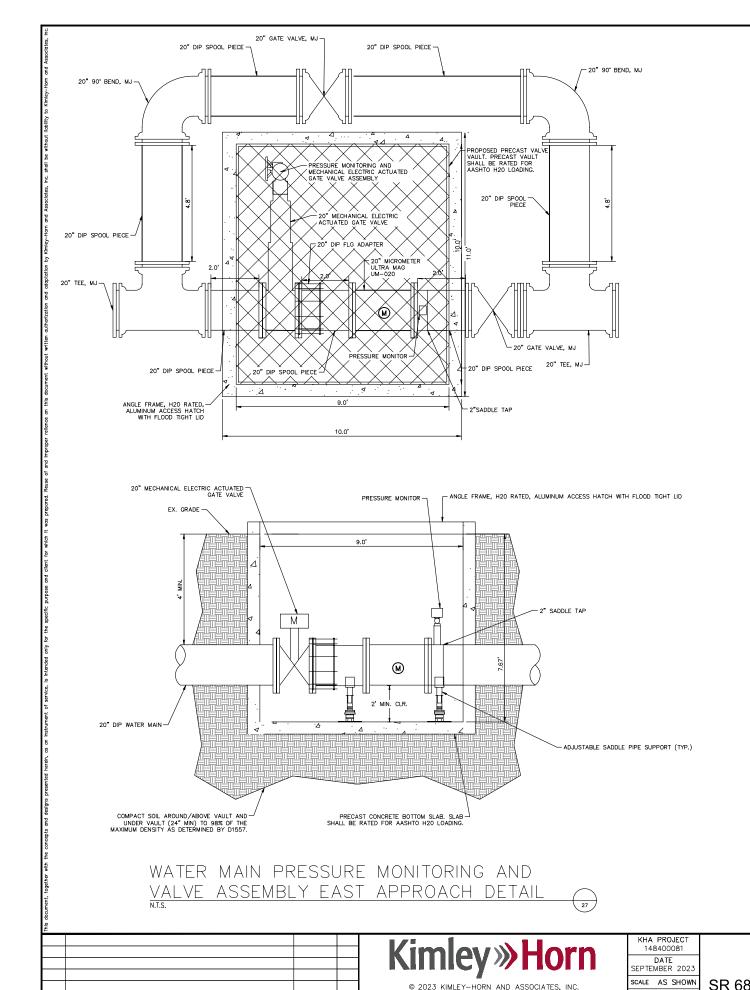
DRAWN BY

SR 684 (CORTEZ ROAD) WATER MAIN AND FORCE MAIN INTRACOASTAL CROSSING CHECKED BY KMS MANATEE COUNTY

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

DETAILS





REVISIONS

DATE BY

ELECTRICAL & INSTRUMENTATION APPROACH: POWER:

- KIMLEY-HORN RECOMMENDS UTILIZING AN ELECTRICAL SERVICE FOR POWER FOR REMOTE MONITORING OF PRESSURE AND FLOW ON THE WATER MAIN WITH THE ADDITION OF A MOTOR OPERATED VALVE AND REMOTE MANUAL CONTROL.
- KIMLEY-HORN RECOMMENDS UTILIZING AN ELECTRICAL SERVICE FOR POWER FOR REMOTE MONITORING OF THE FLOW FOR THE FORCE MAIN.

- NINLEY-HORN RECOMMENUS UILLZING AN ELECTRICAL SERVICE, FOR POWER FOR REMOTE MONITORING OF THE FLOW FOR THE FORCE MAIN.

 THE ELECTRICAL UTILITY SUPPLYING THIS AREA IS FLORIDA POWER & LIGHT COMPANY (FPL.).

 FPL ELECTRIC SERVICE STANDARDS ALLOW 115V SINGLE PHASE MOTORS UP 10 1/2 HP AND EXCOMMENDS SINGLE PHASE MOTORS 3/4 HP AND ABOVE BE 230V. SINGLE PHASE MOTORS 3/4 HP AND ABOVE BE 230V. SINGLE PHASE MOTORS ABOVE 5 HP ARE NOT ALLOWED.

 THE APPROACH WOULD BE TO OBTAIN TWO (2) OVERHEAD OR UNDERGROUND 120/240VAC. 14 SERVICES FROM FPL OVERHEAD DISTRIBUTION SYSTEM IN THE WORNITY. ONE SERVICE WOULD SUPPLY THE WATER MAIN ASSEMBLY. AND THE OTHER SUPPLY THE FORCE MAIN ASSEMBLY. EACH SERVICE WILL TERMINATE IN A CONTRACTOR FURNISHED SELF—CONTAINED METER SOCKET WITH REVENUE METER FURNISHED AND INSTALLED BY FPL.

 INSTRUMENTATION:

DESIGNED BY JWW

SLB CHECKED BY KMS MANATEE COUNTY

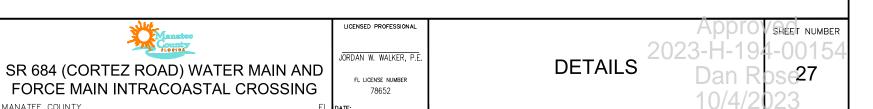
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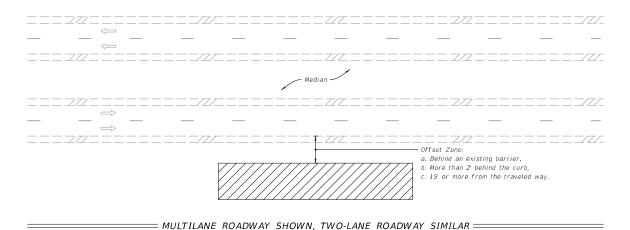
200 CENTRAL AVENUE, SUITE 600, ST. PETERSBURG, FL 33701

PHONE: 727-547-3999 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

PROPOSED INSTRUMENTATION SHALL BE INTEGRATED WITH THE CURRENT MANATEE COUNTY SYSTEM,

INSTRUMENT	MANUFACTURER	COMMENTS
PRESSURE INDICATING	 ENDRESS & HAUSER 	SPECIFY WITH DIAPHRAM
TRANSMITTER	2. ROSEMOUNT	SEAL AND MAINTENANCE SHUTOFF VALVE FOR
		WASTEWATER FORCE MAIN;
		SPECIFY AS FDA AND/OR
		NSF 61 FOR WATER MAIN





NOTES:

- 1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work beyond the shoulder.
- 2. Use Index 102-602 when the work operation (excluding establishing and terminating the work area) requires that two or more work vehicles cross the Offset Zone in any one hour period.
- 3. Use Index 102-660 when Work Area encroaches a Sidewalk.

SYMBOLS:

Work Area

Lane Identification and Direction of Traffic

LAST REVISION 11/01/20 ≥ DESCRIPTION:

FDOT

FY 2023-24 STANDARD PLANS TWO-LANE AND MULTILANE ROADWAY, WORK BEYOND THE SHOULDER ZUZJ

INDEX 102-601

SHEET 1 of 1

- 2. L = Taper Length X = Work Zone Sign Spacing B = Buffer LengthSee Index 102-600 for "L", "X", "B", and channelizing device spacing values.
- 3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes
- 4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.
- 5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.
- 6. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.
- 7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.
- 8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.
- 9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

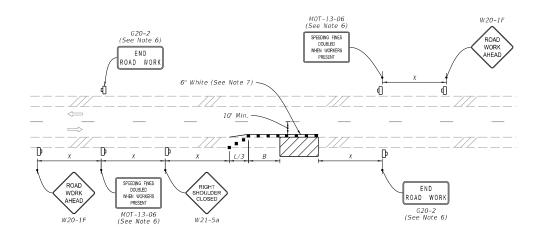
SYMBOLS:



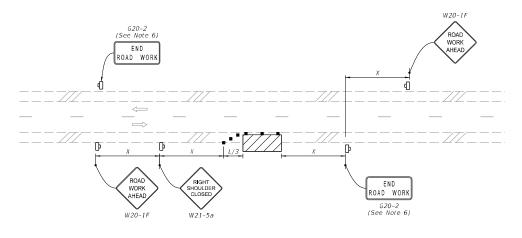
■ Channelizing Device (See Index 102-600)

Work Zone Sign

Lane Identification and Direction of Traffic



= TWO-LANE ROADWAY = SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY WITH WORK ZONE SPEED OF 45 MPH OR LESS



= TWO-LANE ROADWAY = SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

DESCRIPTION:

FDOT

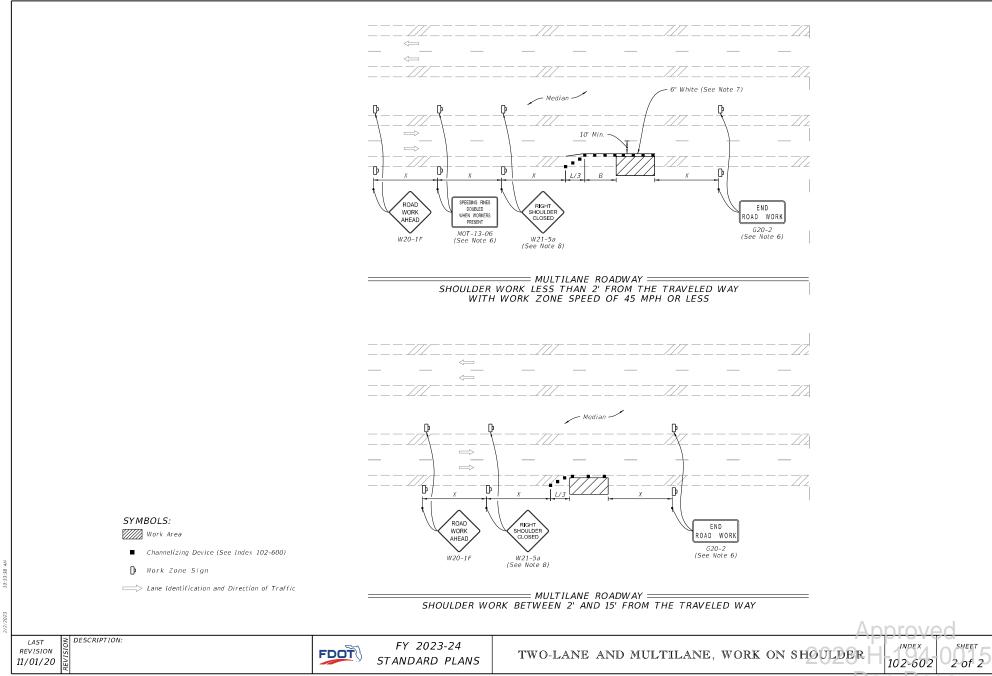
FY 2023-24 STANDARD PLANS

TWO-LANE AND MULTILANE, WORK ON SHOULDER

INDEX 102-602

SHEET 1 of 2

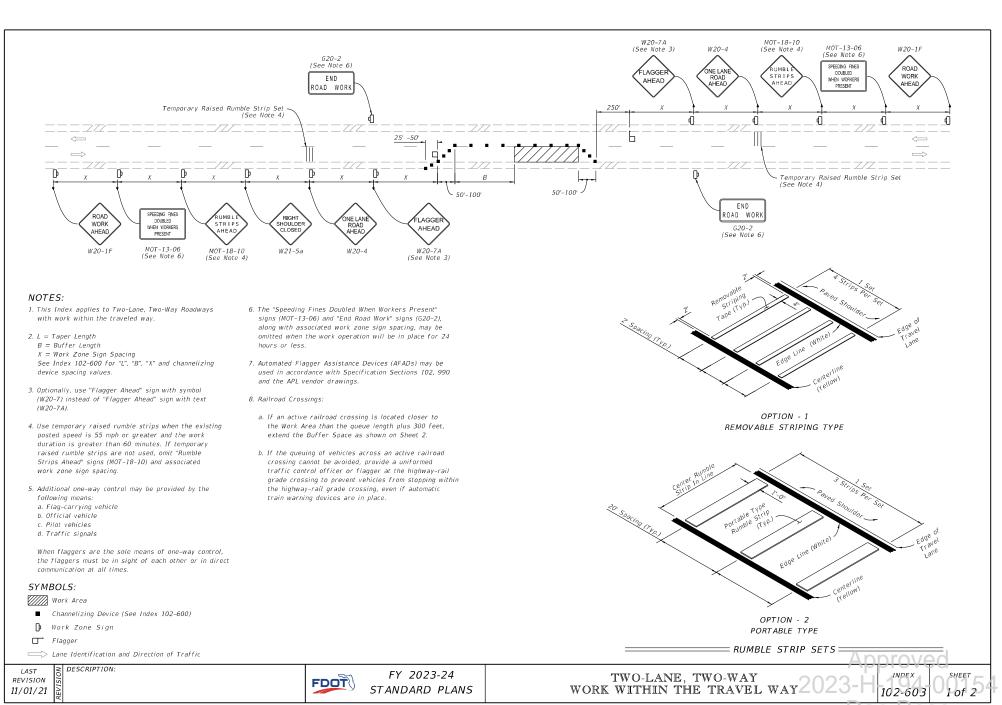
REVISION 11/01/21



0/4/2023







SYMBOLS:

Work Area

■ Channelizing Device (See Index 102-600)

8. As an option to the "STOP" sign (R1-1) and Restricted

operation from Index 102-600 may be used.

Left/Right Turning Movement sign (R3-1 or R3-2), the "SIDE ROAD INTERSECTING THE WORK ZONE" flagging

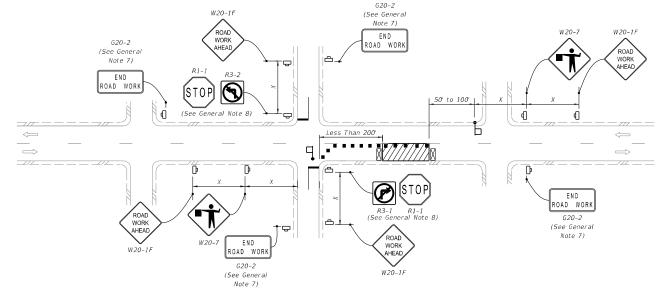
Work Zone Sign

■ Type III Barricade

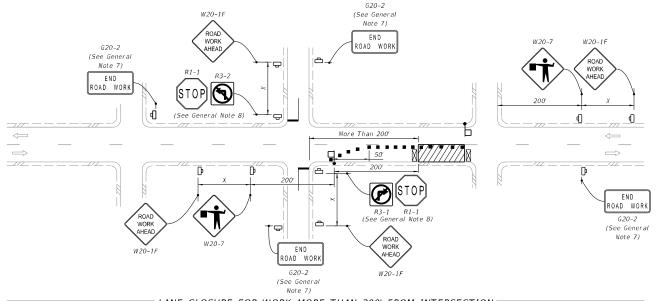
DESCRIPTION:

Stop Bar

Lane Identification and Direction of Traffic



LANE CLOSURE FOR WORK LESS THAN 200' FROM INTERSECTION =



LANE CLOSURE FOR WORK MORE THAN 200' FROM INTERSECTION =

LAST REVISION 11/01/22

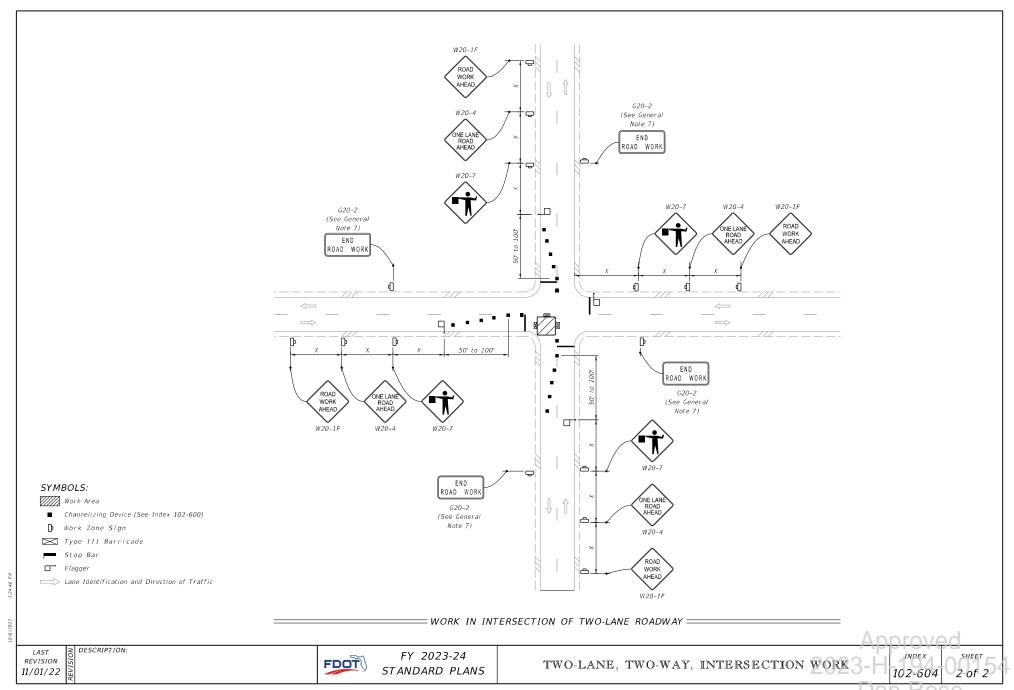
FDOT

FY 2023-24 STANDARD PLANS

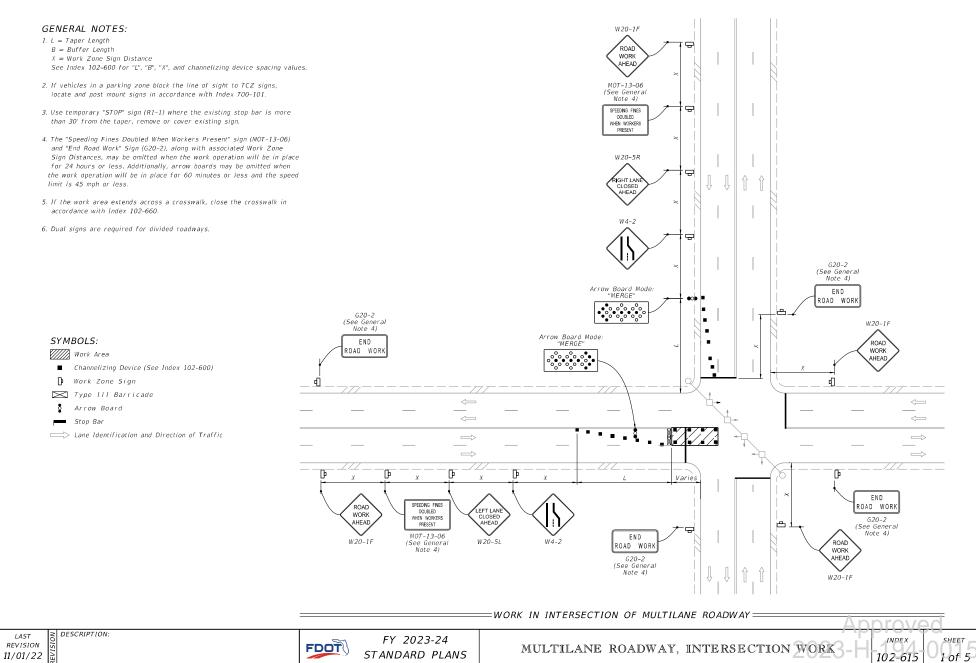
TWO-LANE, TWO-WAY, INTERSECTION WORK

INDEX 102-604

SHEET 1 of 2



10/4/2023



LAST REVISION 11/01/22

DESCRIPTION:



FY 2023-24 STANDARD PLANS

MULTILANE ROADWAY, INTERSECTION WORK

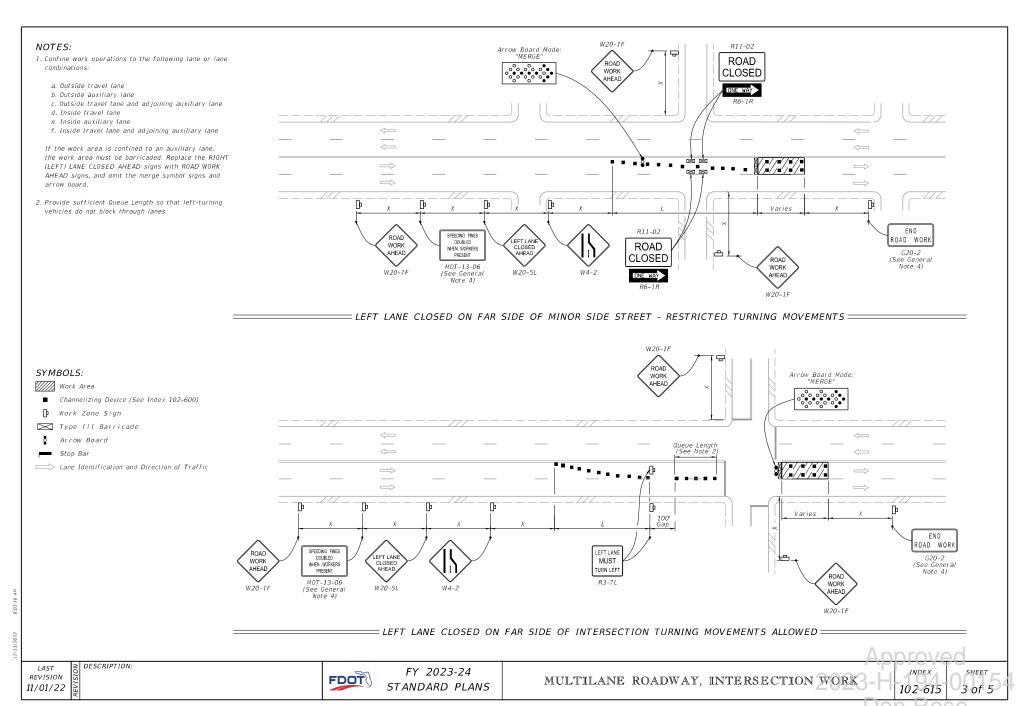
INDEX 102-615 SHEET

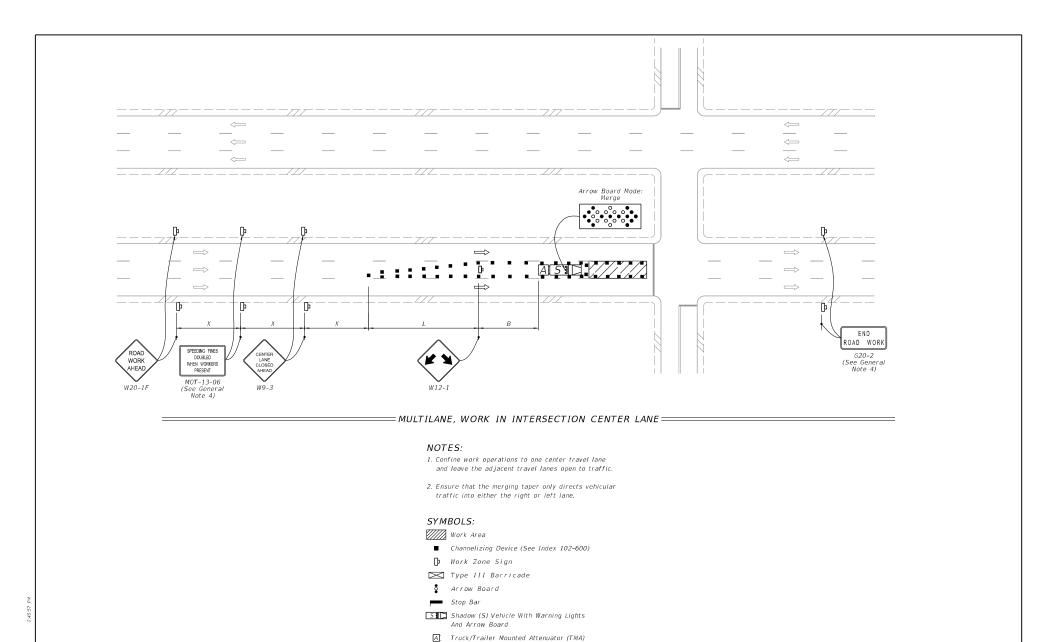
2 of 5

ROAD WORK

G20-2

(See General Note 4)





REVISION 11/01/22

DESCRIPTION:

FDOT

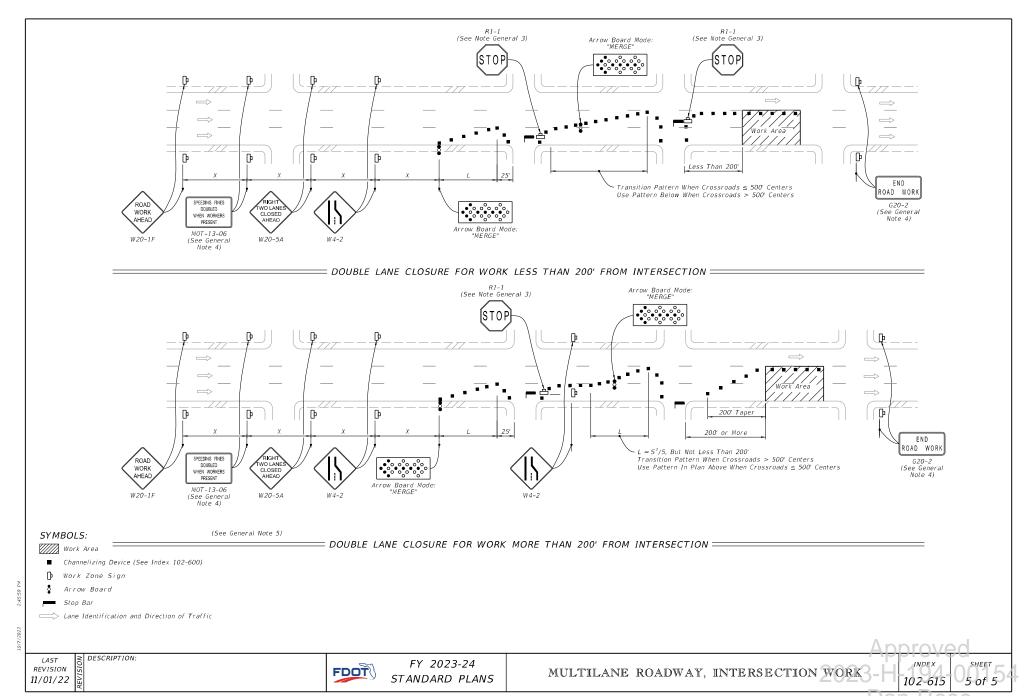
FY 2023-24 STANDARD PLANS

Lane Identification and Direction of Traffic

MULTILANE ROADWAY, INTERSECTION WORK

INDEX 102-615

SHEET 4 of 5



- 2. Place pedestrian LCDs across the full width of the closed sidewalk.
- For post mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.
- 4. "Sidewalk Closed" signs (R9-XX) may be mounted on pedestrian LCDs in accordance with the manufacturer's instructions.
- 5. Omit the Advance Closure LCD if it blocks access to other pedestrian facilities (e.g., transit stops, residences, or business entrances).

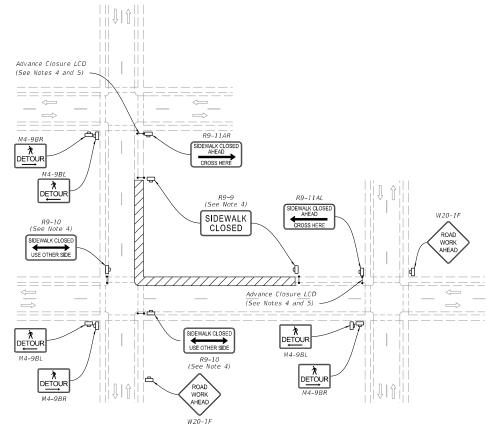
SYMBOLS:

Work Area

Work Zone Sign

→ Pedestrian Longitudinal Channelizing Device (LCD)

Lane Identification and Direction of Traffic



= PEDESTRIAN DETOUR ==

LAST REVISION 11/01/20

DESCRIPTION:

FDOT

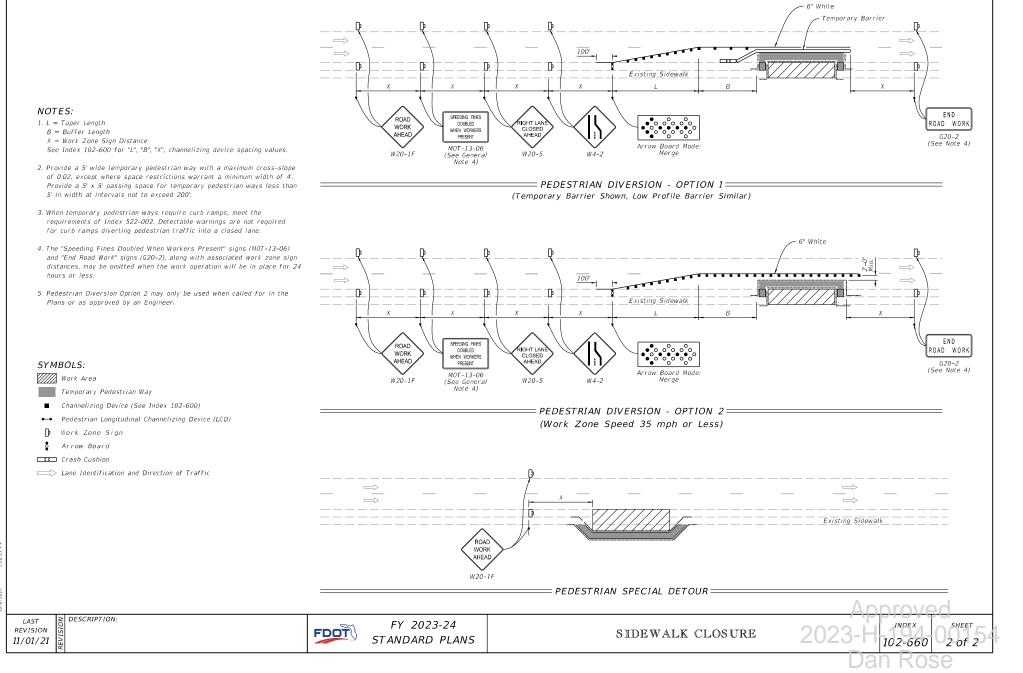
FY 2023-24 STANDARD PLANS

SIDEWALK CLOSURE

2023-H

INDEX SHEET 102-660 1 of 2





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 <u>MUST</u> 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 <u>RESPONSIBILITY</u> 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



*Contact your County Agricultural Extension Office for answers to your pest and weed problems.				**Illicit Discharges: Report any material	
				other than stormwater being discharged into	
				a storm drain or into the street.	
County Agricultural Extension Office			,	County / FDOT Environmental Contacts	
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
Hendry Co.	(863) 674-4092	Sarasota Co.	(941) 861-9900	Sarasota County	(941) 861-5000
				FDOT Right of Way	(863) 519-2762
FDOT MAINTENANCE YARDS			State Watch Office		
Arcadia Operations		(863) 993-4634	SPILL REPORTING	(Spill Report Hotline	(800) 320-0519
Bartow Operations		(863) 519-4100		typically 25 gallons or	
				more)	
Fort Myers Operations		(239) 985-7800			
Labelle Operations		(863) 674-4027	For more information on NPDES stormwater regulations, please contact, FDOT District Maintenance, at (863) 519-2762		
Manatee Operations		(941) 708-4400			
Sebring Operations		(863) 386-6104			