

CONSTRUCTION PLANS  
FOR  
SR 64 (MANATEE AVENUE) WATER MAIN  
INTRACOASTAL CROSSING

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



PROJECT TEAM:

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

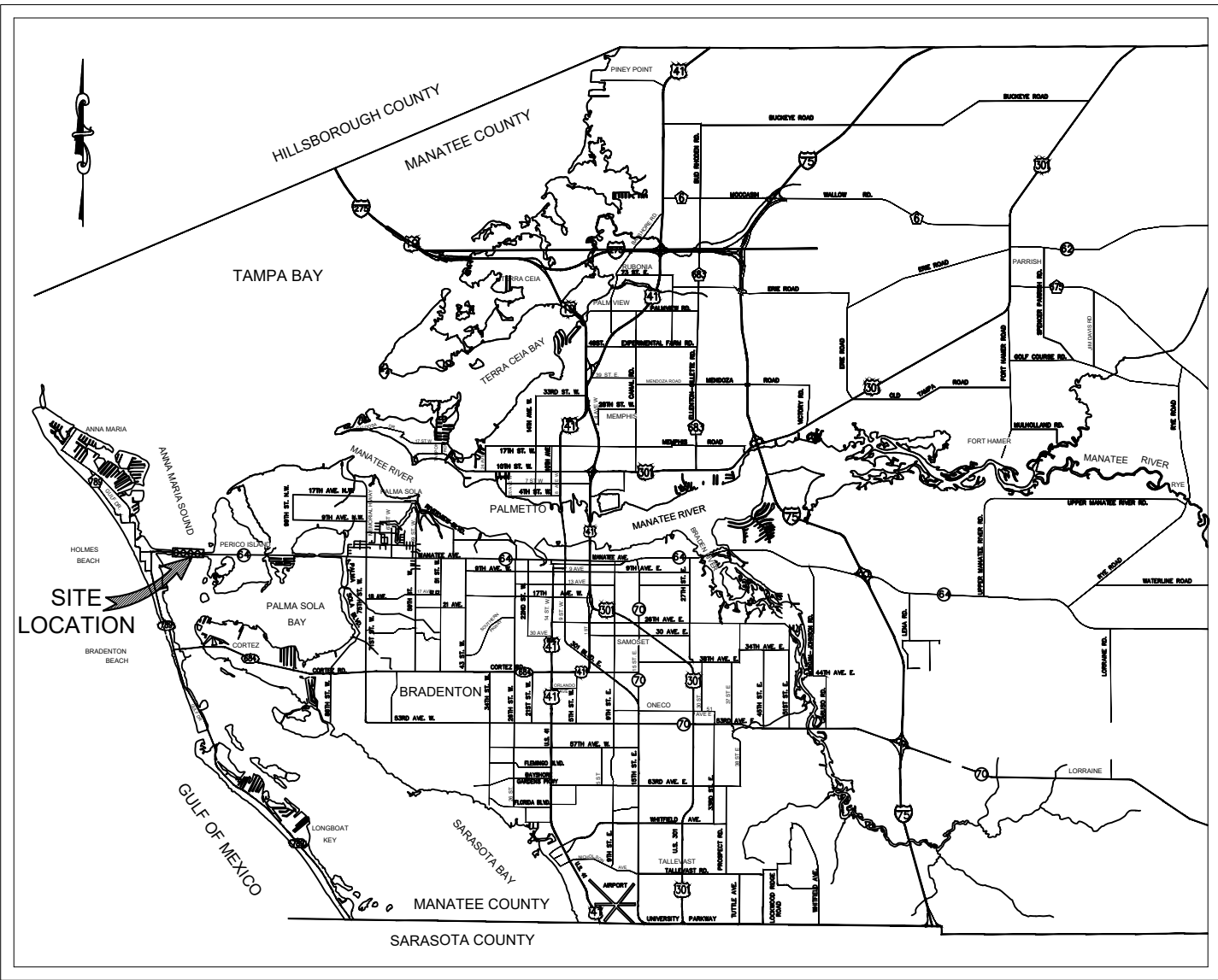
ENGINEER:  
KIMLEY-HORN AND ASSOCIATES, INC.  
200 CENTRAL AVE., SUITE 600  
ST. PETERSBURG, FL 33701  
CONTACT: JORDAN WALKER, P.E.  
727-308-4320

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	CONTACT	TELEPHONE NUMBER
CITY OF BRADENTON	KIM CLAYBACK, P.E.	941-708-6300 EXT. 224
FPL	BRIAN GARVER	239-231-9471
FRONTIER	DENISE HUTTON	941-906-6722
MCI (VERIZON)	ANDY COLE	813-847-4037
MANATEE COUNTY (IT)	BILL KERSEY	941-748-4501 EXT. 5083
MANATEE COUNTY TRAFFIC OPERATIONS	MUKUNDA GOPALAKRISHNA	941-749-3500 EXT. 7859
MANATEE COUNTY UTILITIES	DAVID BRANNING	941-708-7450 EXT. 7662
SPECTRUM	PATRICK PISTNER	941-737-5159
TECO/PEOPLES GAS	ALEX MCFARLANE	813-275-3765
TRANSPORTATION STATISTICS OFFICE		850-921-7300

PERMITS:  
FDOT UTILITY PERMIT #2024-H-194-00171  
FDEP ERP PERMIT APPLICATION #41-0447073-001-EI - PENDING  
FDEP WATER GENERAL PERMIT - PENDING  
ARMY CORPS OF ENGINEERS PERMIT - PENDING



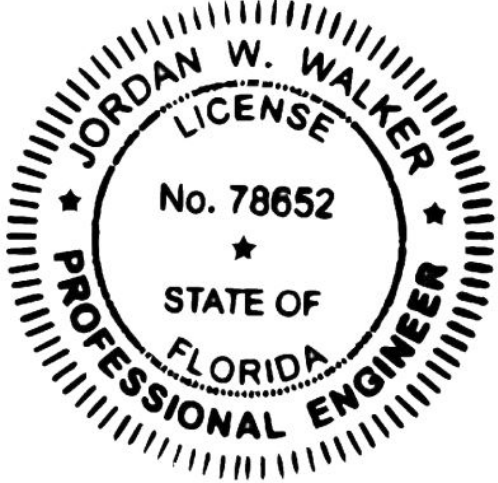
PROJECT VICINITY MAP  
N.T.S.

BID PLANS

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

PREPARED BY  
**Kimley»Horn**

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200 CENTRAL AVENUE, SUITE 600  
ST. PETERSBURG, FL 33701  
PHONE (727) 547-3999  
WWW.KIMLEY-HORN.COM Registry No. 35106



THIS ITEM HAS BEEN DIGITALLY  
SIGNED AND SEALED BY

JORDAN WESLEY WALKER, P.E.  
NO. 78652

ON THE DATE ADJACENT TO THE SEAL

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No.	REVISIONS	DATE	BY				

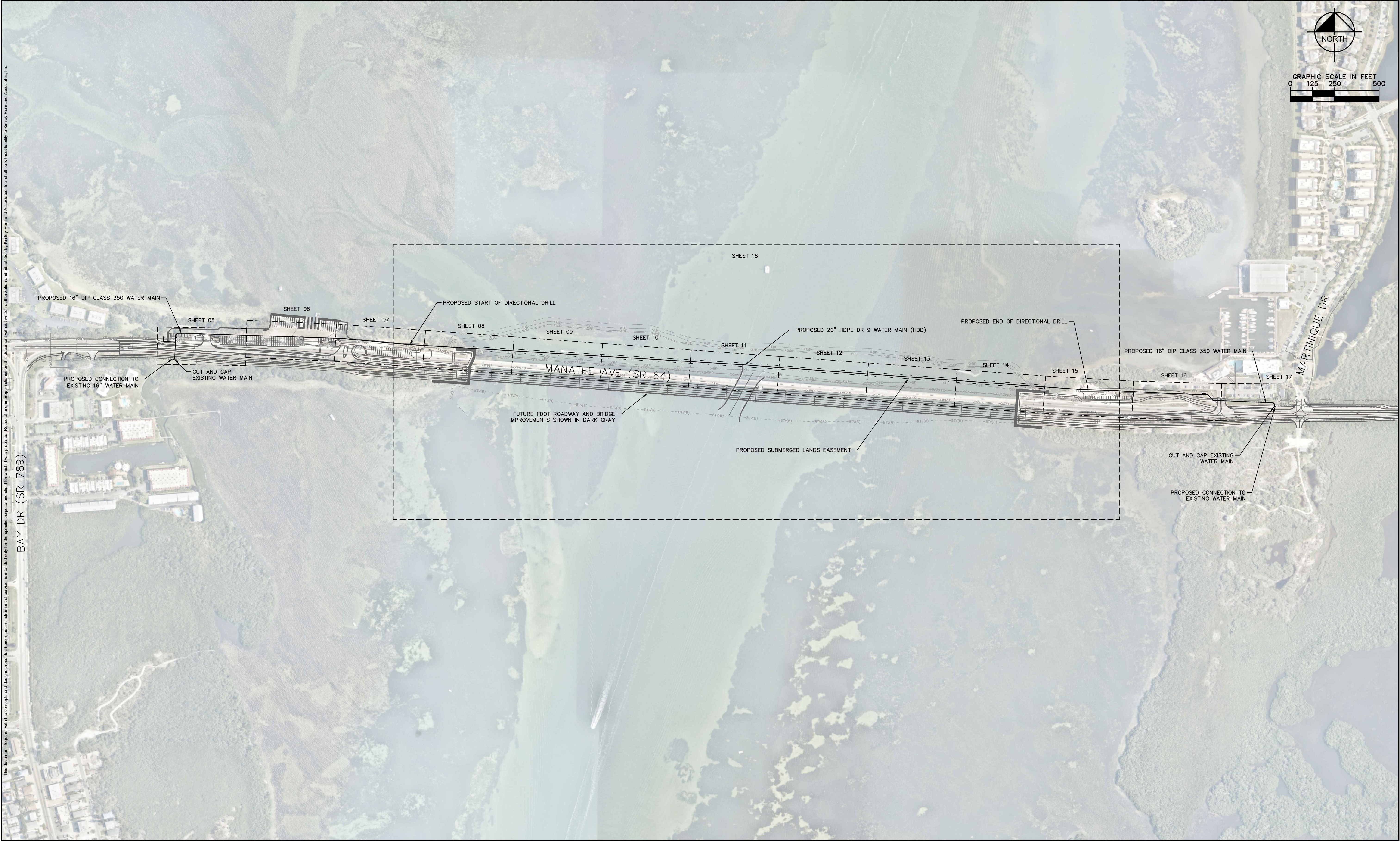






NOTE: INFORMATION PROVIDED ON THIS SHEET BASED ON SUE & SURVEY BY CUMBEY & FAIR, INC. AS OBTAINED FROM FDOT FPID 408185-3-52-01 PHASE III PLANS DATED SEPTEMBER 2022





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KHA PROJECT  
148400098

DATE  
DECEMBER 2024

SCALE AS SHOWN

DESIGNED BY JWW

DRAWN BY ALC

CHECKED BY KMS



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MANATEE COUNTY

LICENSED PROFESSIONAL

JORDAN W. WALKER, P.E.

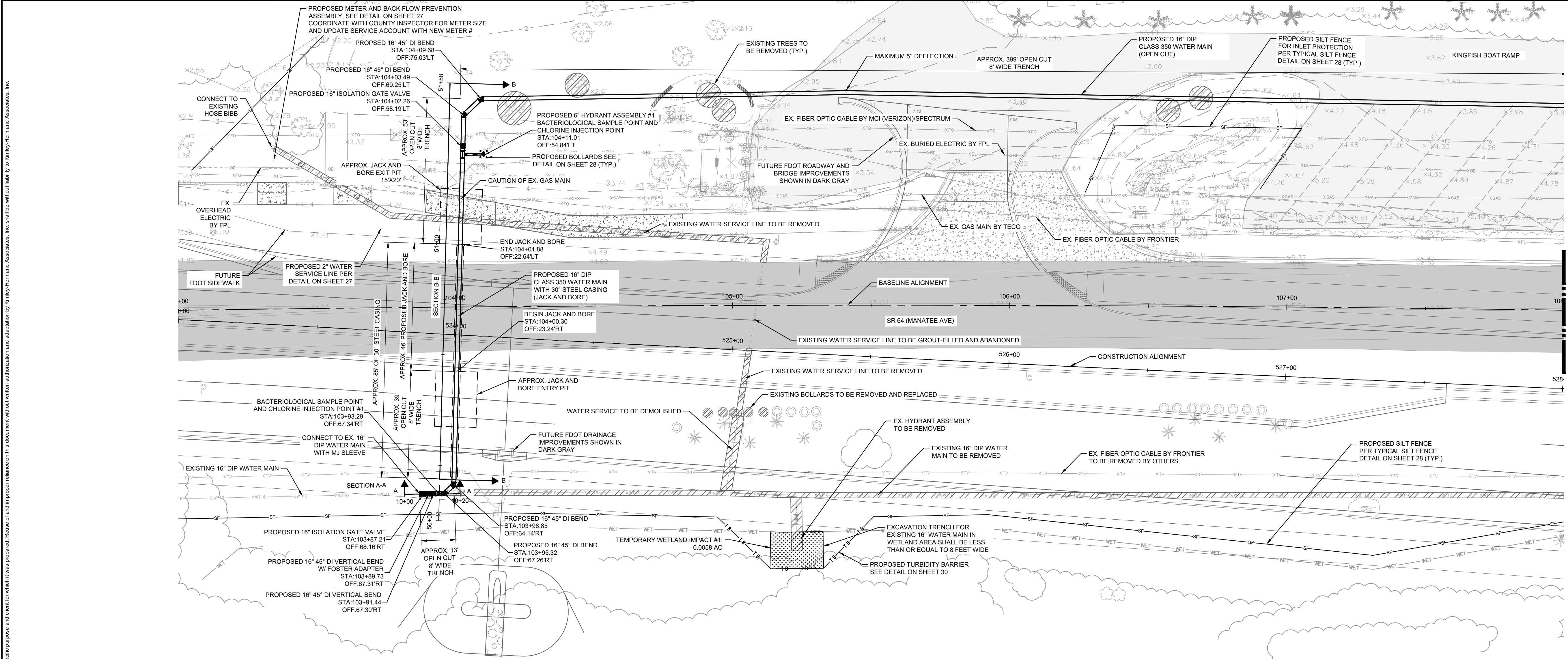
FL LICENSE NUMBER  
78652

KEY SHEET

SHEET NUMBER

04





NORTH

GRAPHIC SCALE IN FEET

0 10 20 40

LEGEND

SIDEWALK/CONCRETE DRIVEWAY RESTORATION	
FULL ROADWAY RESTORATION	
MILLING AND RESURFACING	
FDOT BANK RUN SHELL RESTORATION	
DEMO EXISTING	
EXISTING ROADWAY	
FDOT BANK RUN SHELL	
WETLAND IMPACTS	

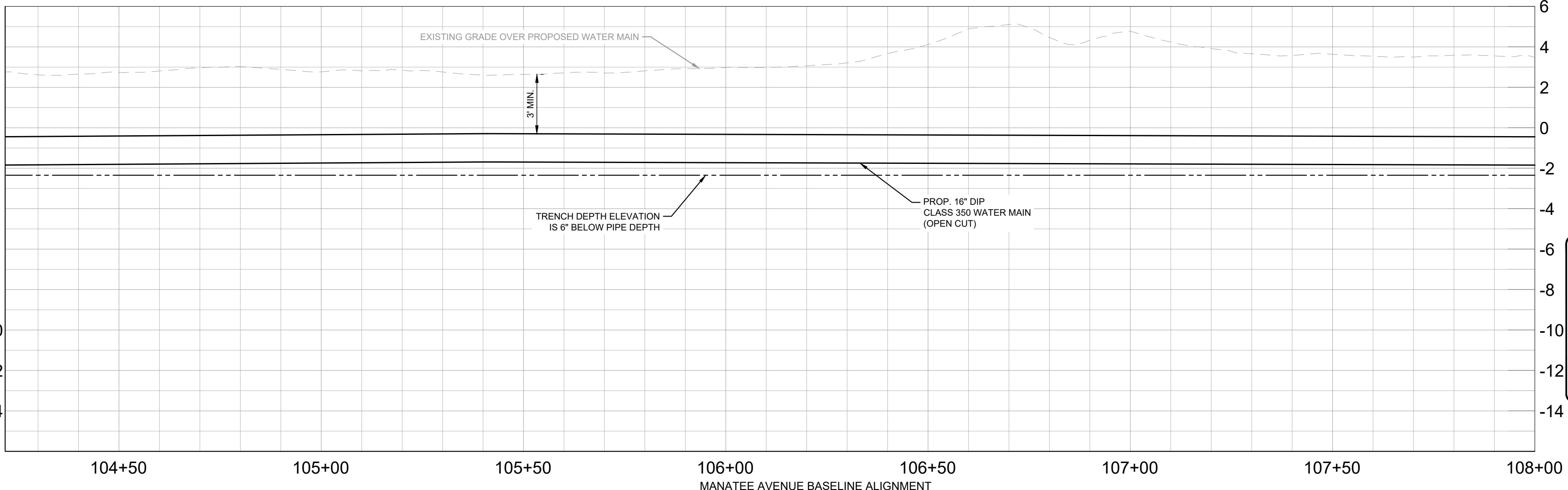
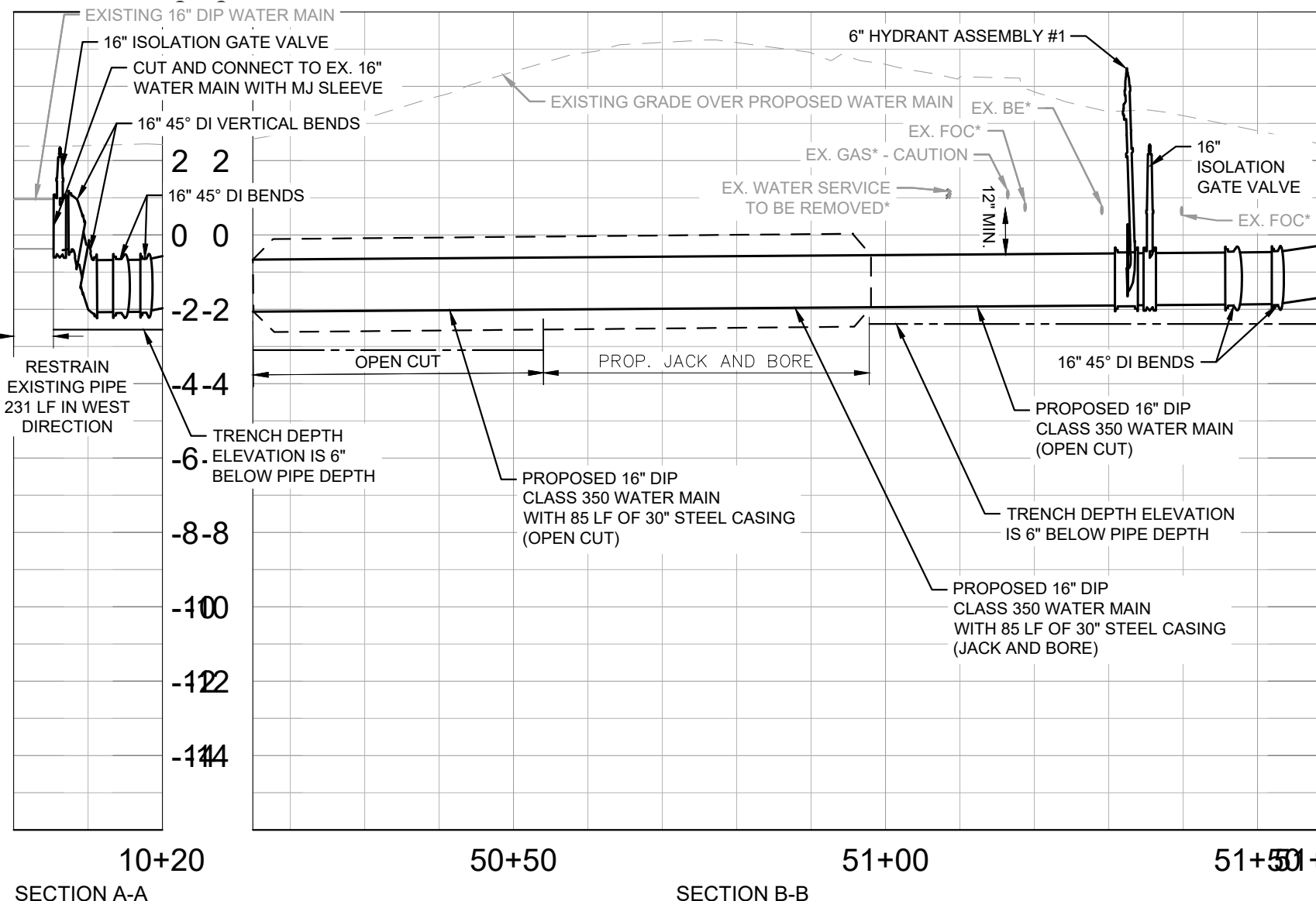
MATCH LINE STA 108+00  
SEE SHEET 06

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WHERE CONCRETE REPAIRS ARE NECESSARY AND EXPANSION JOINTS ARE PRESENT, CONTRACTOR TO REMOVE AND REPLACE CONCRETE UP TO THE NEXT EXPANSION JOINT; OTHERWISE, REPLACE CONCRETE AS NECESSARY.

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**GROUNDWATER / DEWATERING NOTE:**  
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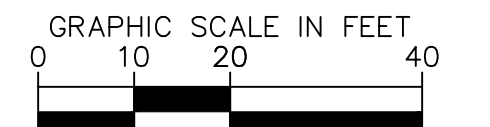
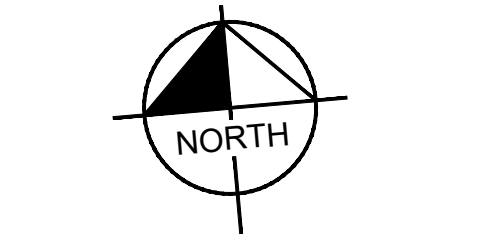
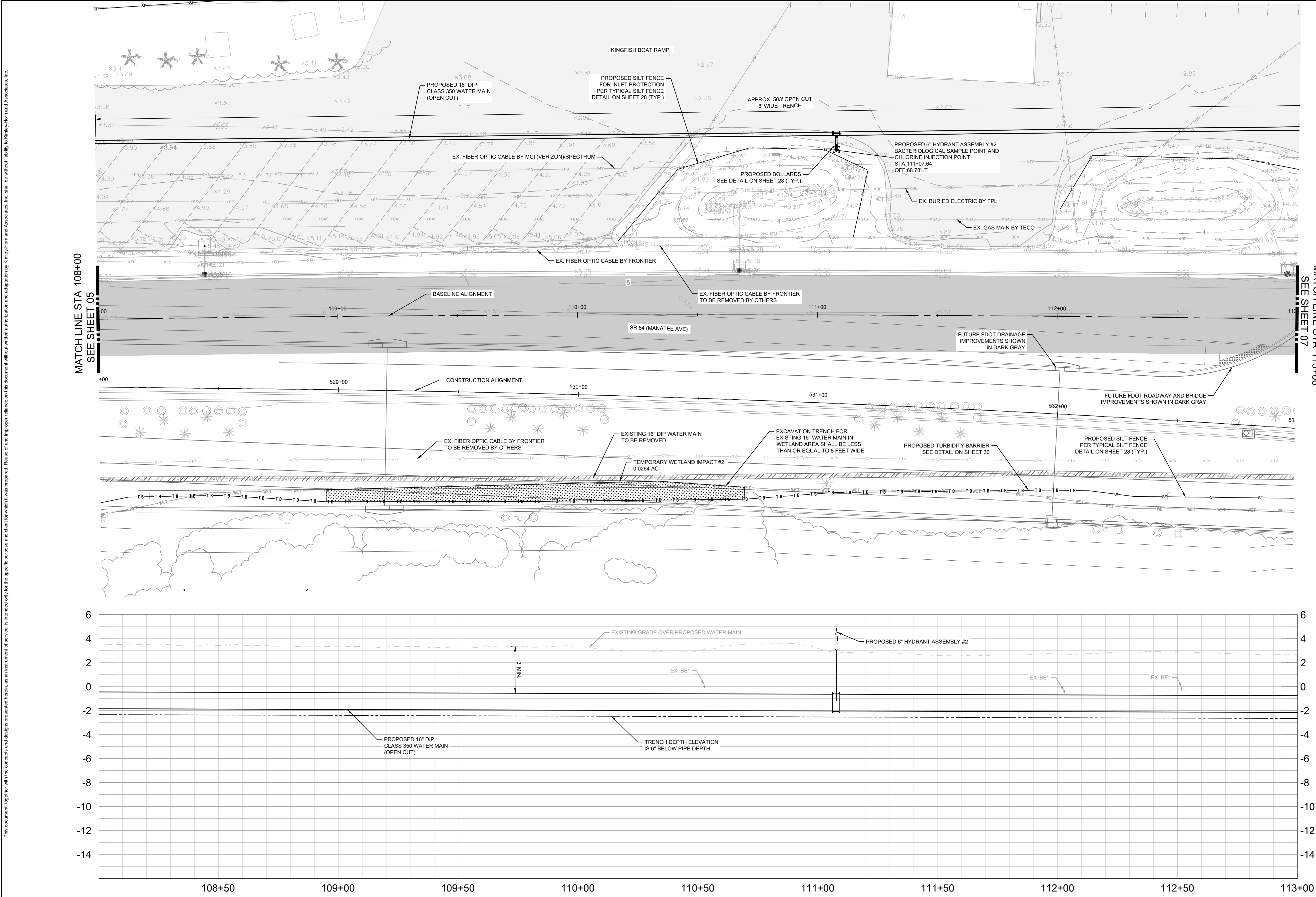
FL DATE:

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

SHEET NUMBER

05





LEGEND	
SIDEWALK/CONCRETE DRIVEWAY RESTORATION	[Pattern]
FULL ROADWAY RESTORATION	[Pattern]
MILLING AND RESURFACING	[Pattern]
FDOT BANK RUN SHELL RESTORATION	[Pattern]
DEMO EXISTING	[Pattern]
EXISTING ROADWAY	[Pattern]
FDOT BANK RUN SHELL	[Pattern]
WETLAND IMPACTS	[Pattern]

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FL LICENSE NUMBER  
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FL DATE:

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

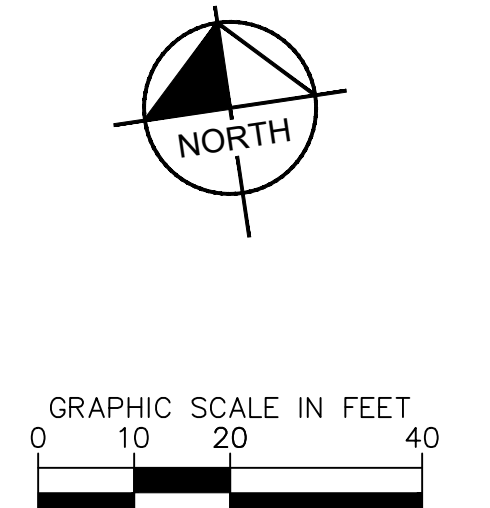
SHEET NUMBER









06









SIDEWALK/CONCRETE DRIVEWAY RESTORATION	
FULL ROADWAY RESTORATION	
MILLING AND RESURFACING	
FOOT BANK RUN SHELL RESTORATION	
DEMO EXISTING	
EXISTING ROADWAY	
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WETLAND IMPACTS	

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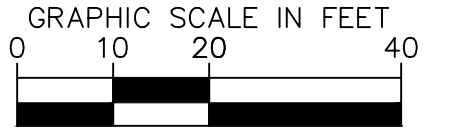
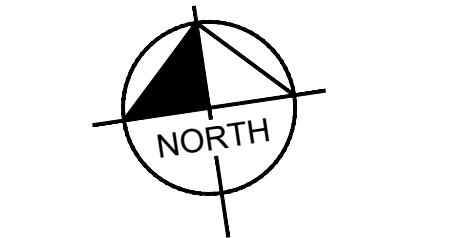
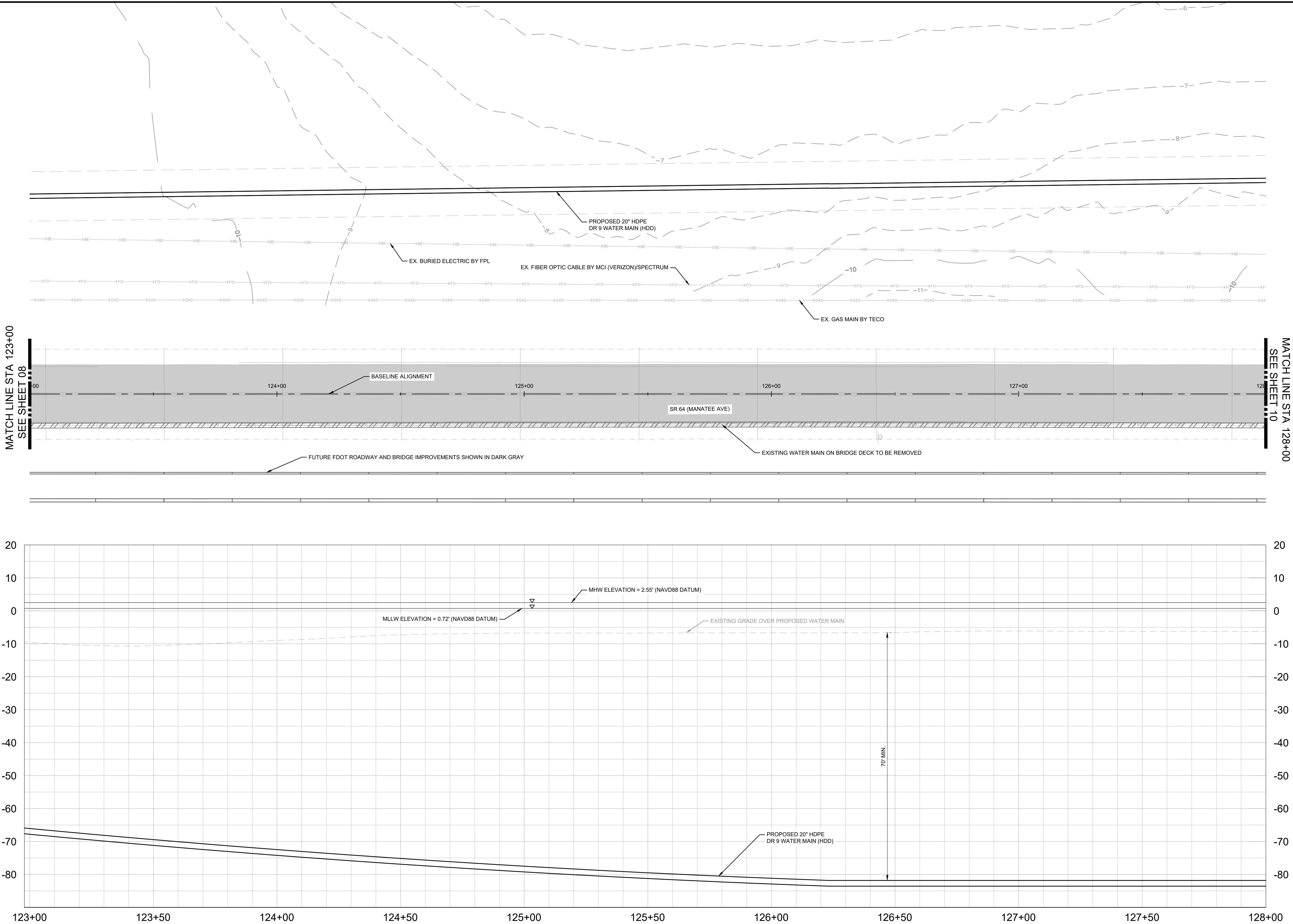
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WEATHER, PROVIDE ADEQUATE  
DEWATERING, DRAINAGE AND GROUND  
WATER MANAGEMENT TO CONTROL  
MOISTURE OF SOILS.



08



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- FULL ROADWAY RESTORATION
- MILLING AND RESURFACING
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WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT  
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DRAWN BY ALC

CHECKED BY KMS

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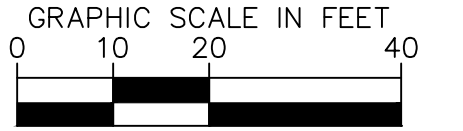
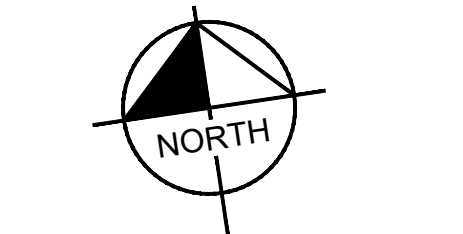
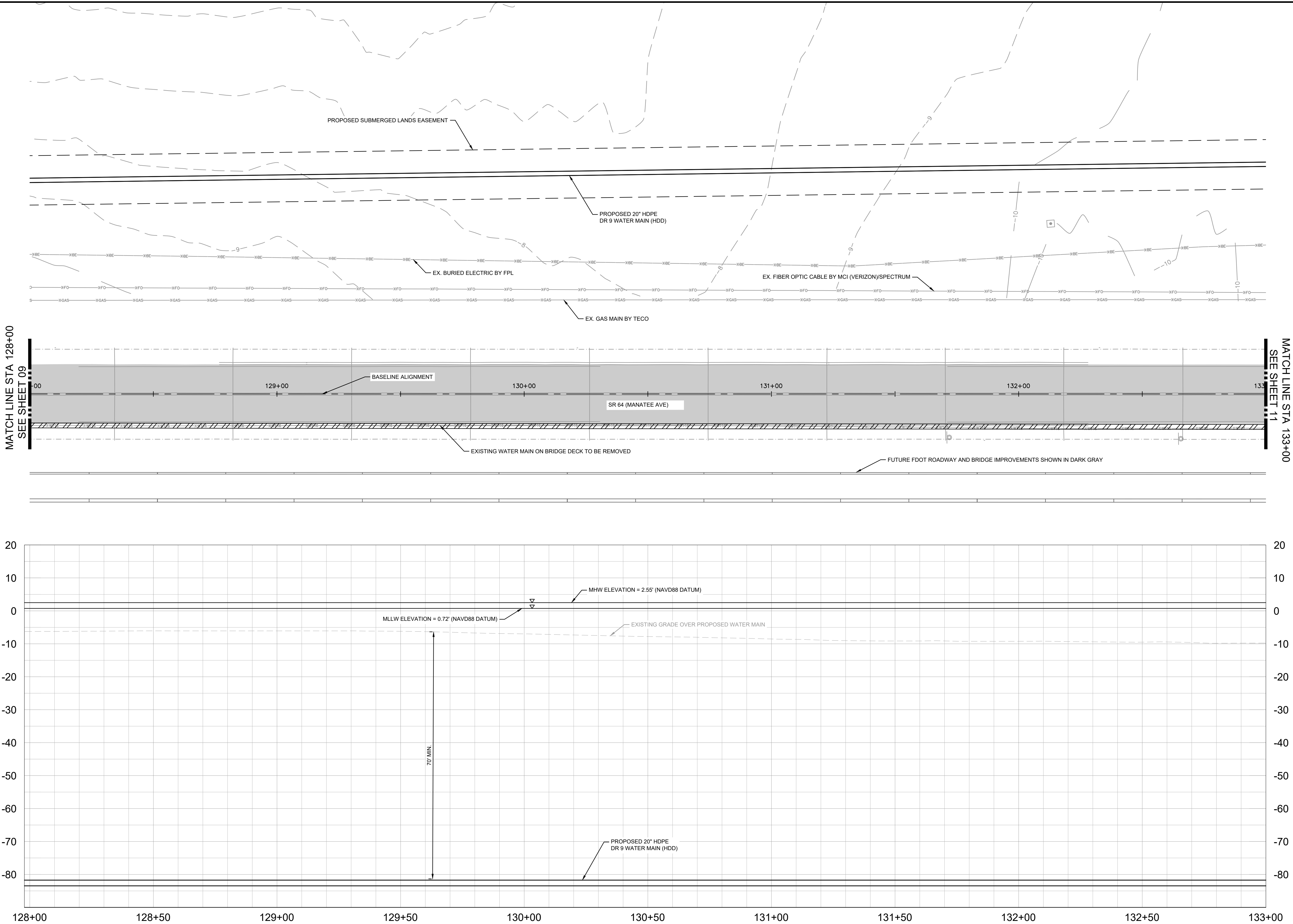
PLAN AND PROFILE [123+00 - 128+00]

SHEET NUMBER

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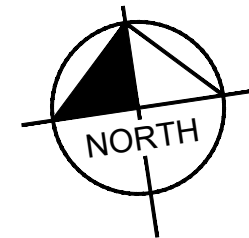
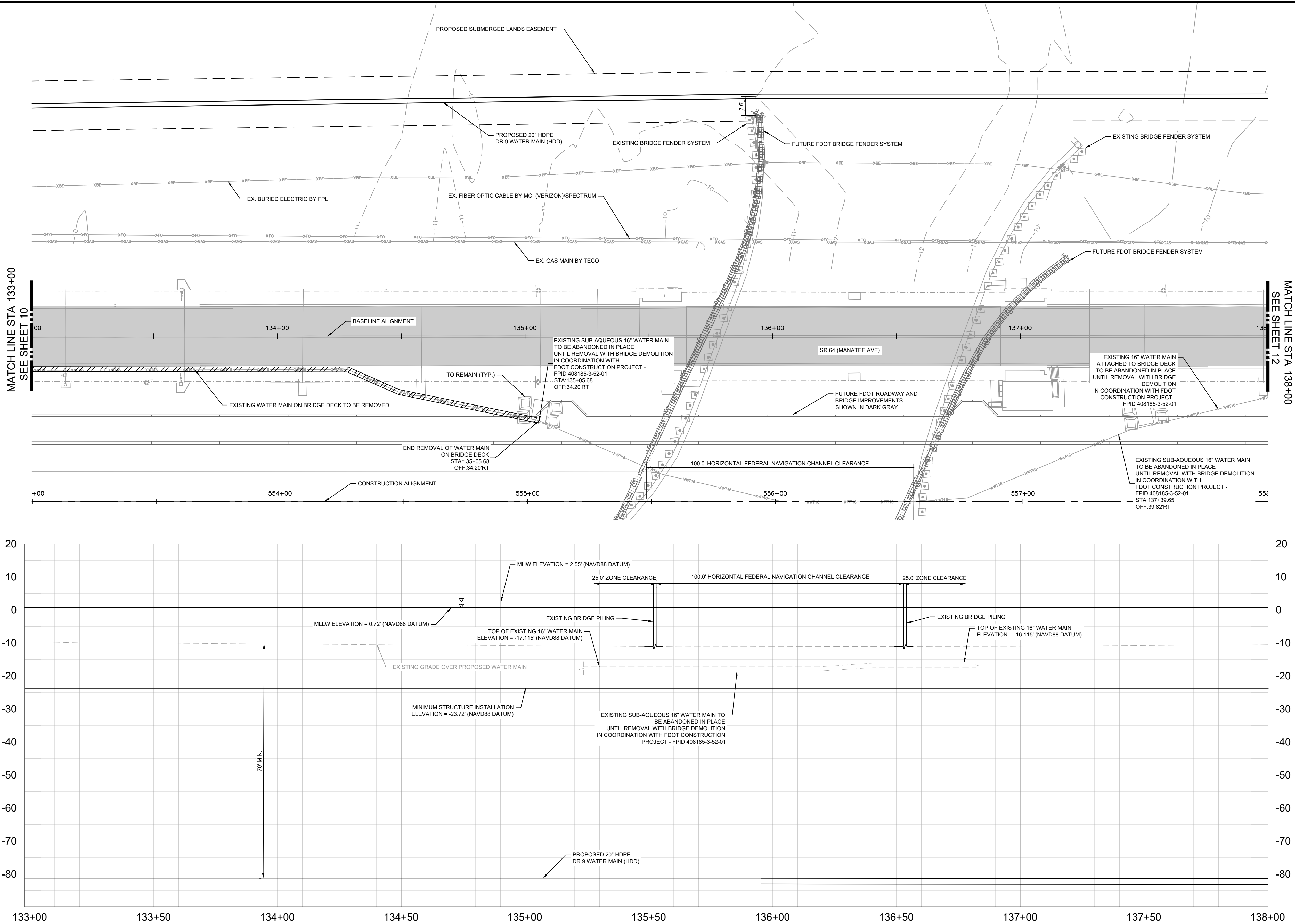
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PLAN AND PROFILE [128+00 - 133+00]

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FULL ROADWAY RESTORATION	
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No.	REVISIONS	DATE	BY

**Kimley»Horn**  
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200 CENTRAL AVENUE, SUITE 600, ST. PETERSBURG, FL 33701  
PHONE: 727-547-3999  
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT 148400098
DATE DECEMBER 2024
SCALE AS SHOWN
DESIGNED BY JWW
DRAWN BY ALC
CHECKED BY KMS

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

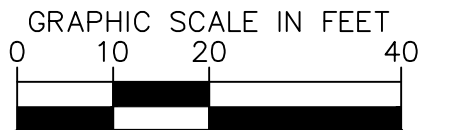
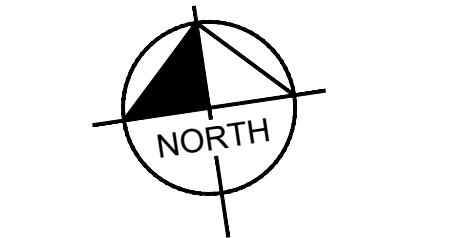
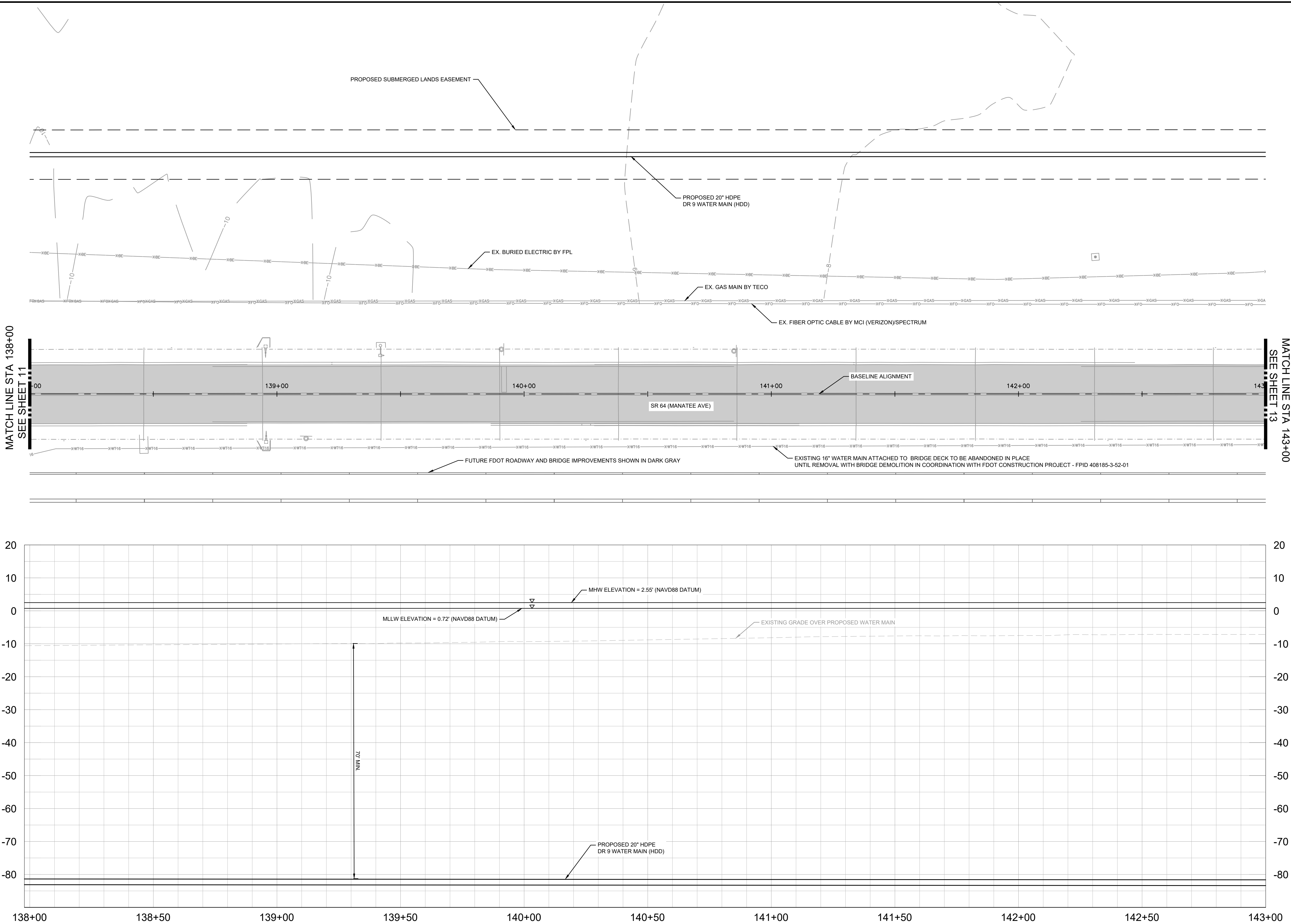
LICENSED PROFESSIONAL
JORDAN W. WALKER, P.E.
FL LICENSE NUMBER 78652
FL DATE:

**PLAN AND PROFILE [133+00 -  
138+00]**

SHEET NUMBER
11



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LEGEND

- SIDEWALK/CONCRETE DRIVEWAY RESTORATION
- FULL ROADWAY RESTORATION
- MILLING AND RESURFACING
- FDOT BANK RUN SHELL RESTORATION
- DEMO EXISTING
- EXISTING ROADWAY
- FDOT BANK RUN SHELL
- WETLAND IMPACTS

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KHA PROJECT  
148400098  
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DECEMBER 2024  
SCALE AS SHOWN  
DESIGNED BY JWW  
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SR 64 (MANATEE AVENUE) WATER MAIN  
INTRACOASTAL CROSSING  
MANATEE COUNTY

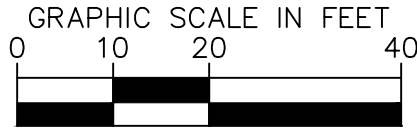
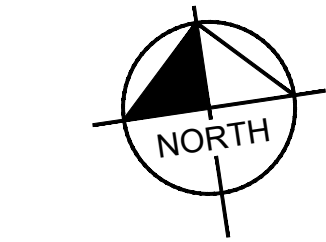
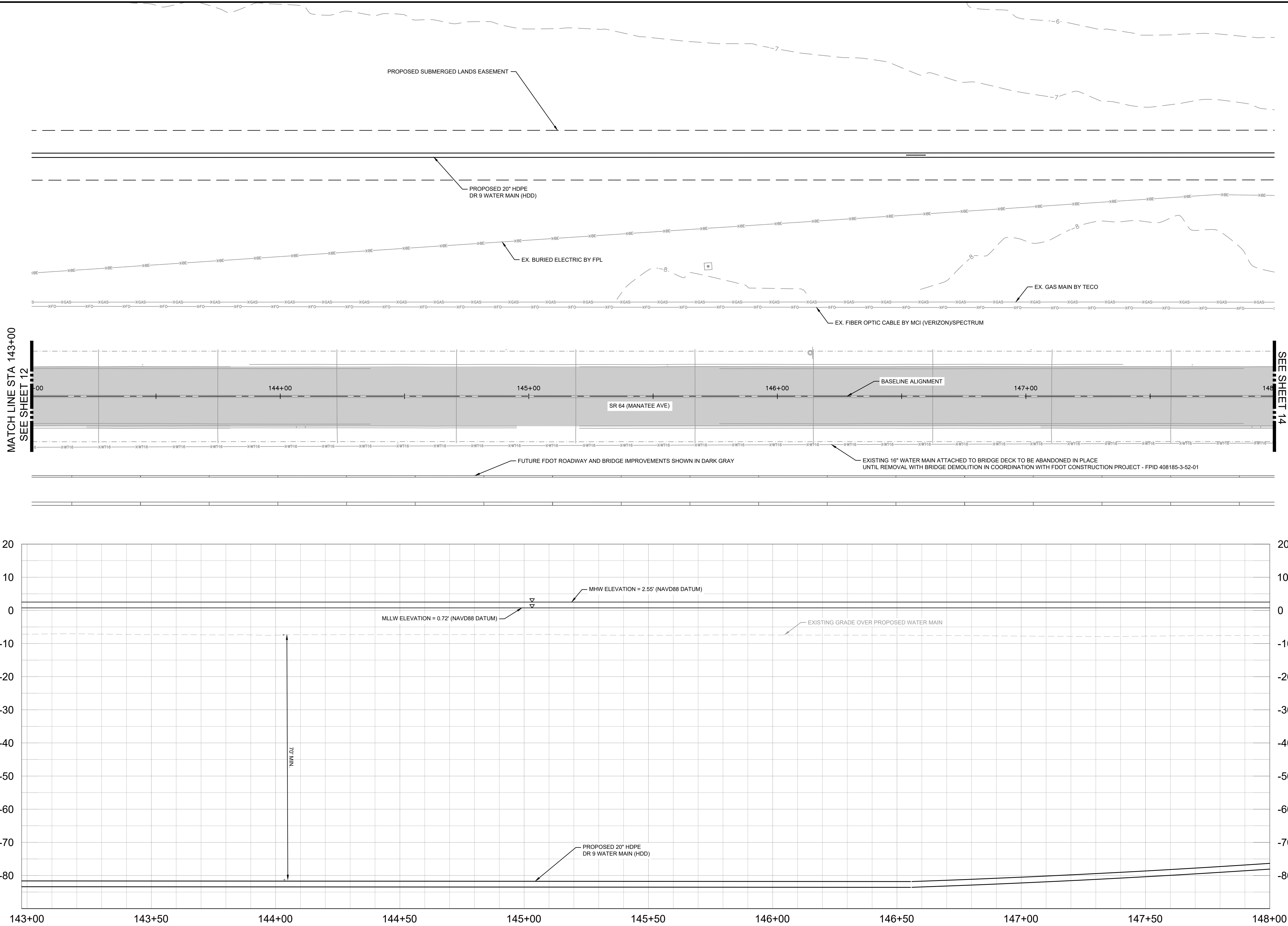
LICENSED PROFESSIONAL  
JORDAN W. WALKER, P.E.  
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PLAN AND PROFILE [138+00 - 143+00]

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SR 64 (MANATEE AVENUE) WATER MAIN  
INTRACOASTAL CROSSING

MANATEE COUNTY

LICENSED PROFESSIONAL

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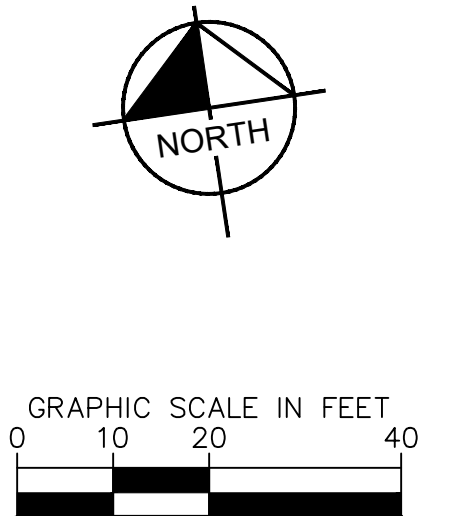
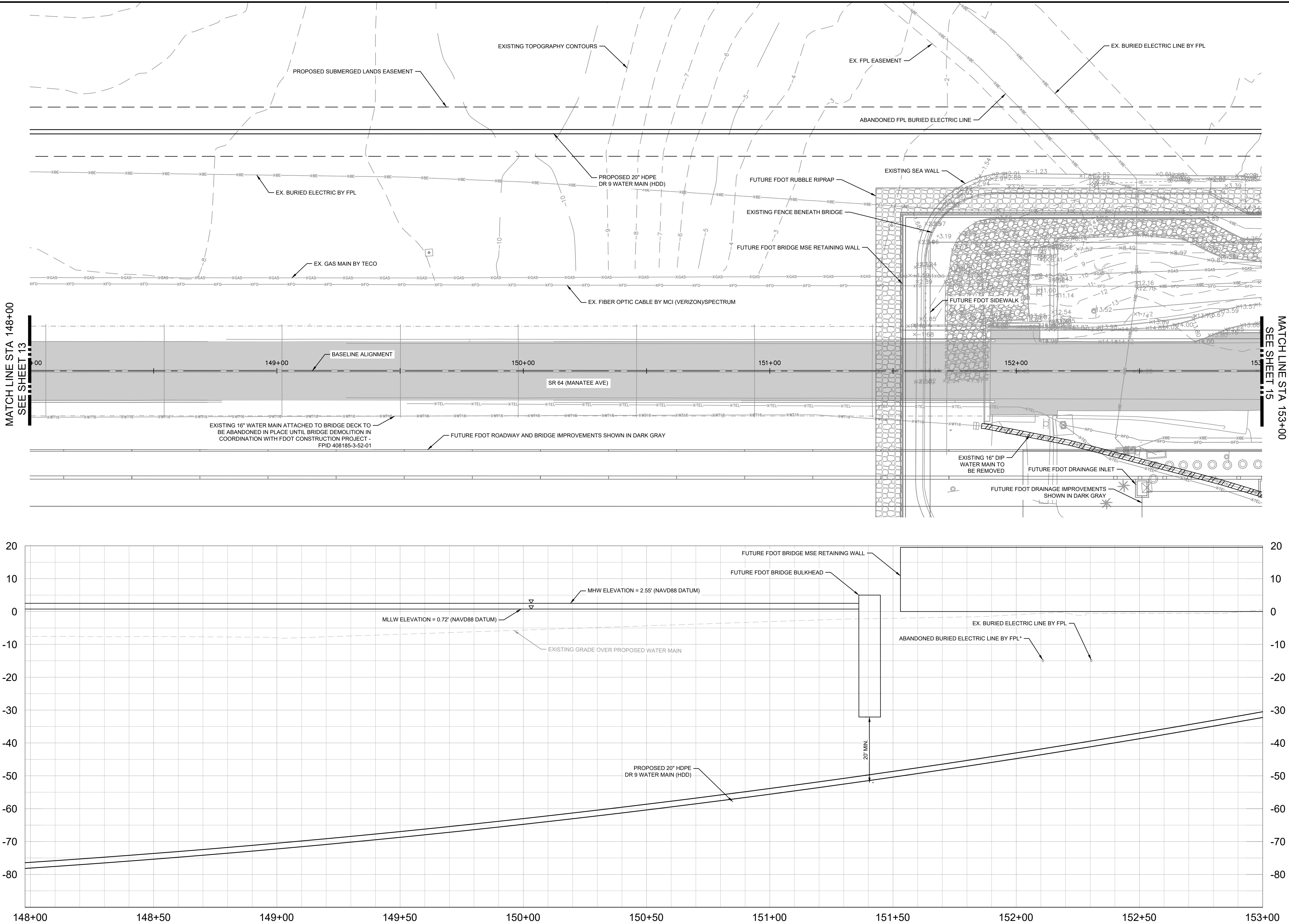
PLAN AND PROFILE [143+00 - 148+00]

SHEET NUMBER

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

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

FL DATE:

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

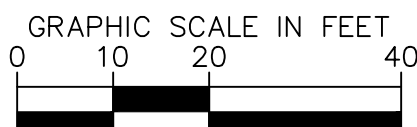
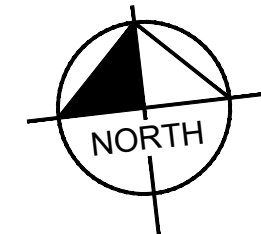
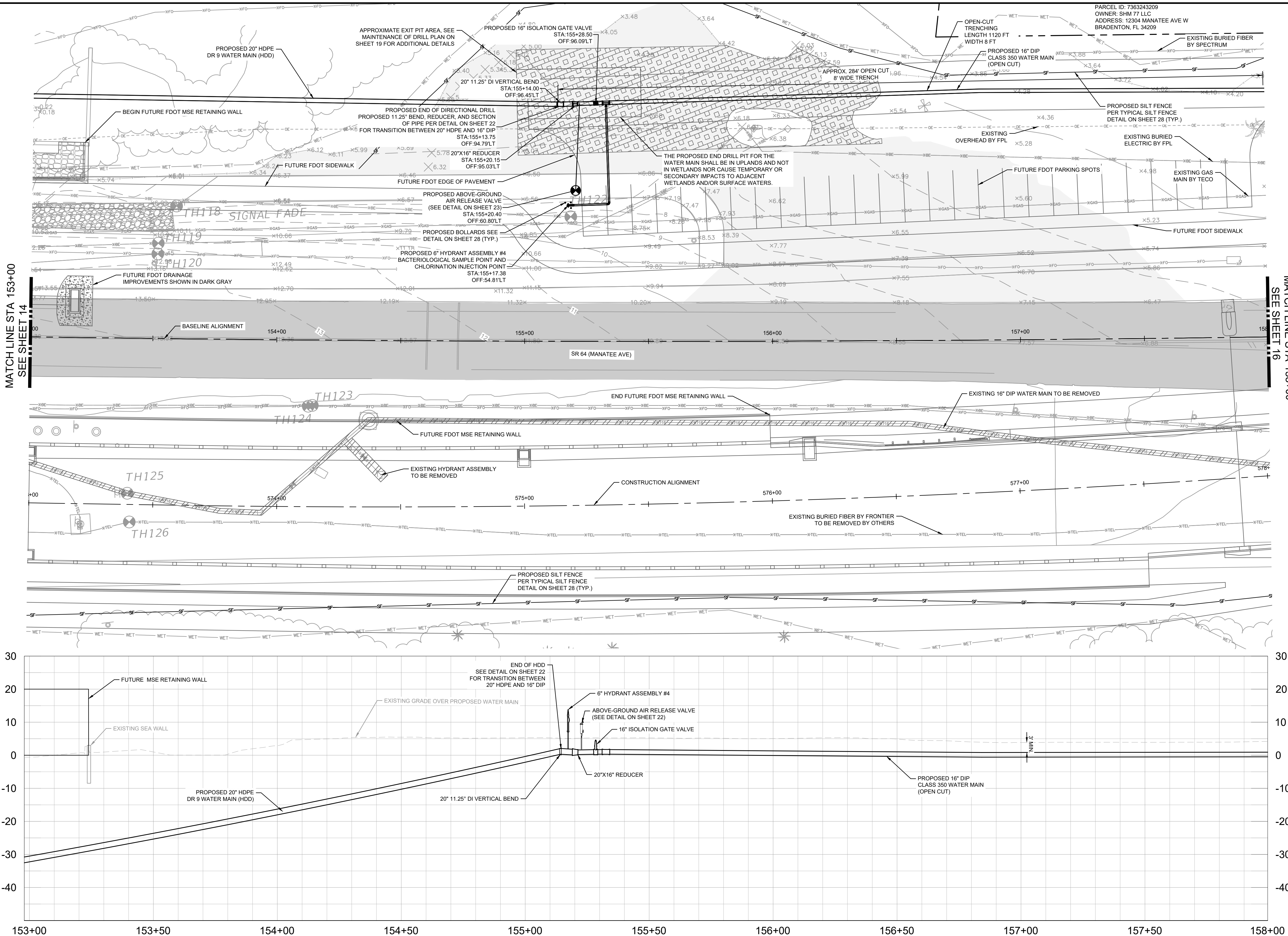
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14



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MATCH LINE STA 153+00  
SEE SHEET 14

MATCH LINE STA 158+00  
SEE SHEET 16



LEGEND

- SIDEWALK/CONCRETE DRIVEWAY RESTORATION
- FULL ROADWAY RESTORATION
- MILLING AND RESURFACING
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KHA PROJECT  
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DATE  
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SCALE    AS SHOWN

DESIGNED BY    JWW

DRAWN BY    ALC

CHECKED BY    KMS

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

MANATEE COUNTY

LICENSED PROFESSIONAL

JORDAN W. WALKER, P.E.

FL LICENSE NUMBER  
78652

FL DATE:

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

SHEET NUMBER

**15**

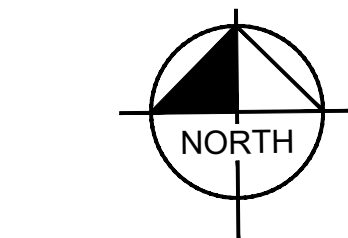
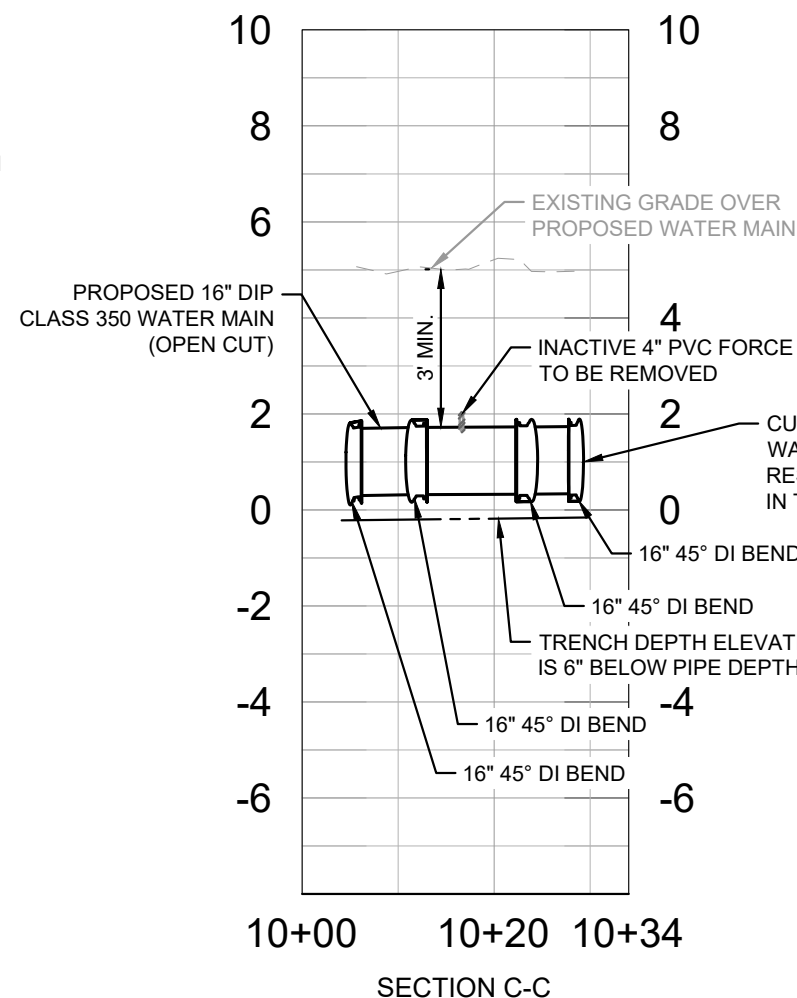
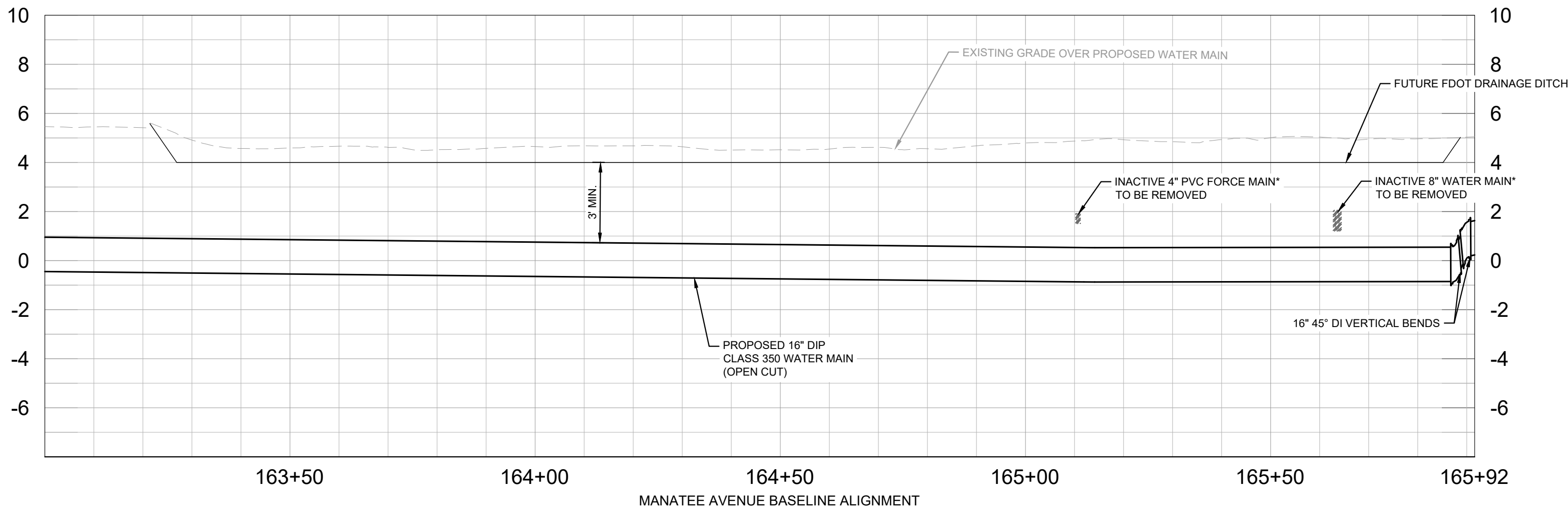
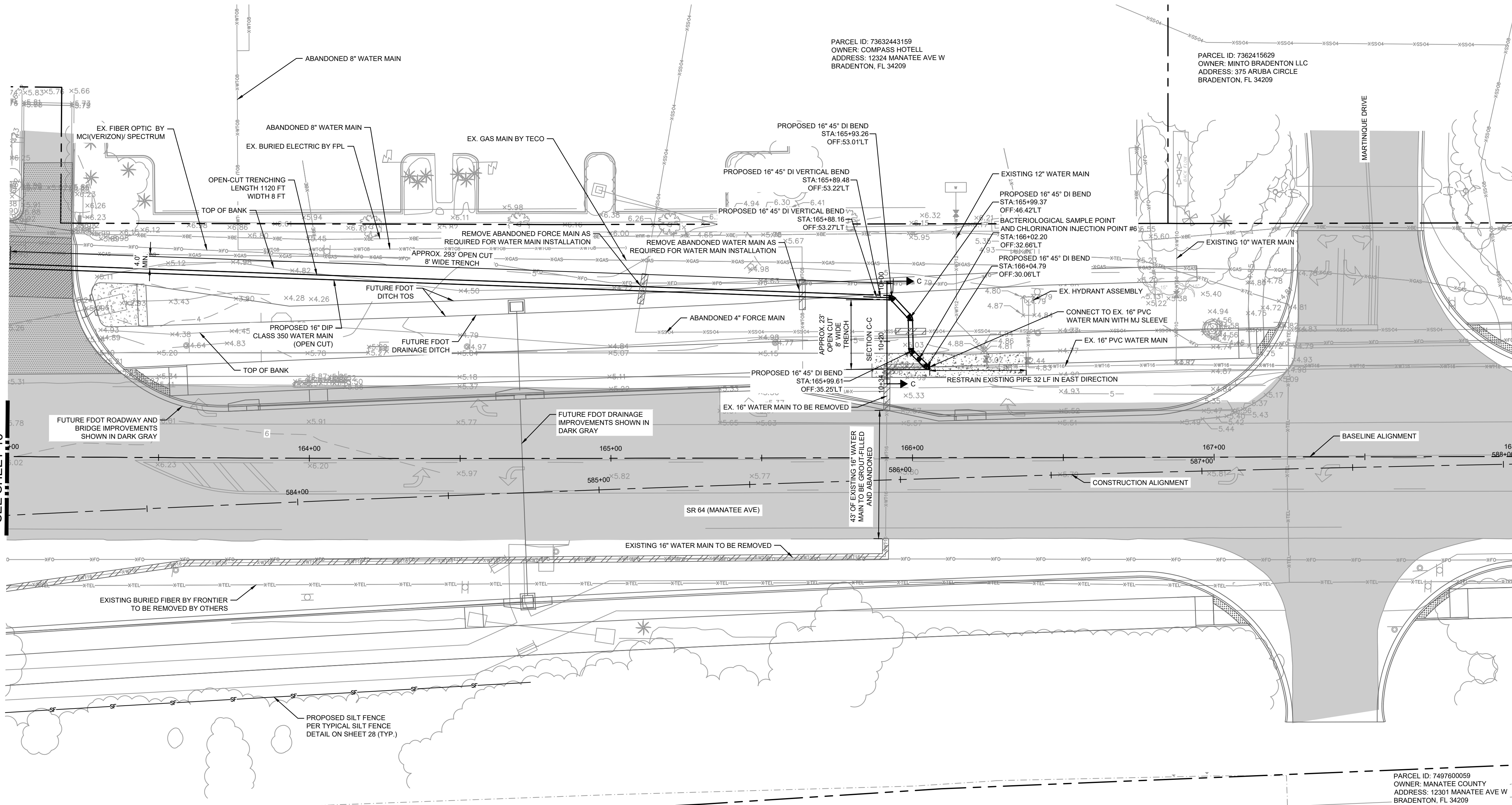






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MATCH LINE STA 163+00  
SEE SHEET 16



#### LEGEND

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FULL ROADWAY RESTORATION	
MILLING AND RESURFACING	
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SHEET NUMBER

17

**Kimley»Horn**

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KHA PROJECT  
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DESIGNED BY JWW  
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**SR 64 (MANATEE AVENUE) WATER MAIN  
INTRACOASTAL CROSSING**

MANATEE COUNTY



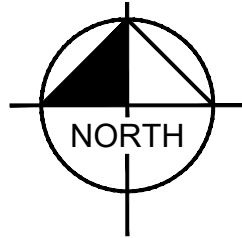
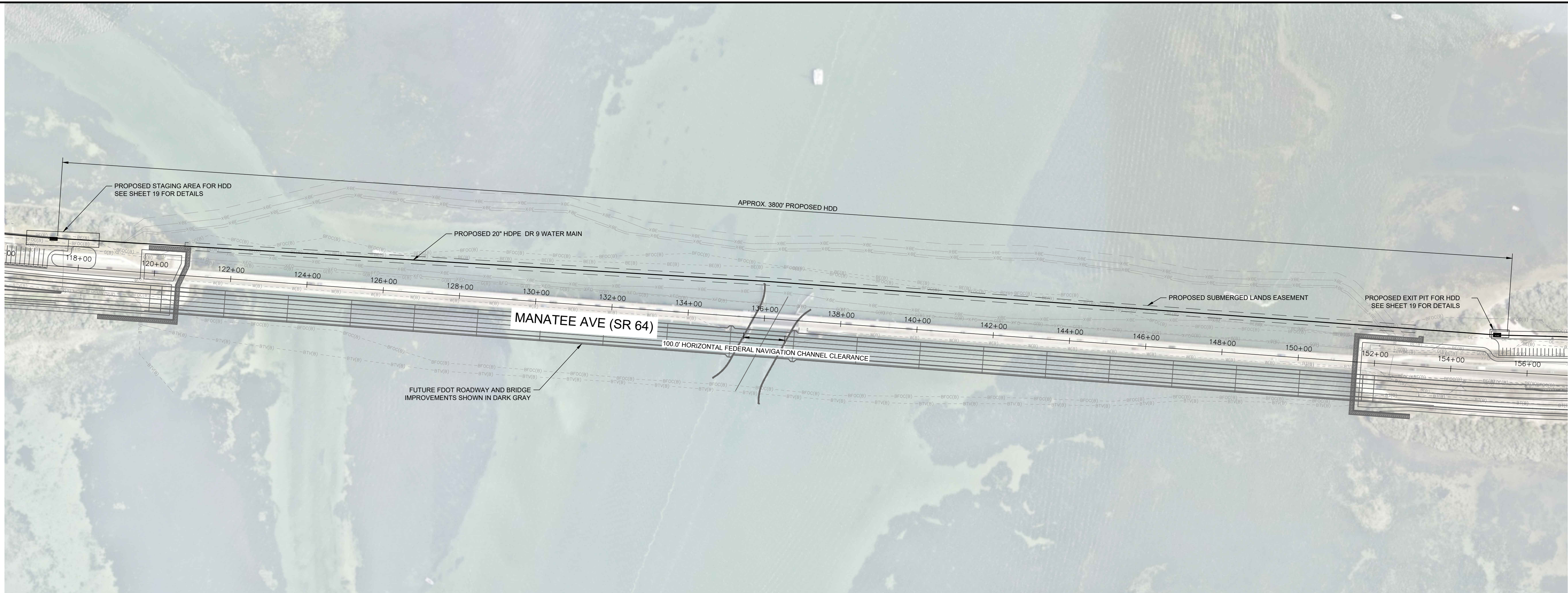
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**PLAN AND PROFILE [163+00 -  
168+00]**



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GRAPHIC SCALE IN FEET  
0 75 150 300

HORIZONTAL SCALE: 1" = 150'  
VERTICAL SCALE: 1" = 20'

#### LEGEND

SIDEWALK/CONCRETE DRIVEWAY RESTORATION	
FULL ROADWAY RESTORATION	
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**SR 64 (MANATEE AVENUE) WATER MAIN  
INTRACOASTAL CROSSING**

MANATEE COUNTY

LICENSED PROFESSIONAL

JORDAN W. WALKER, P.E.

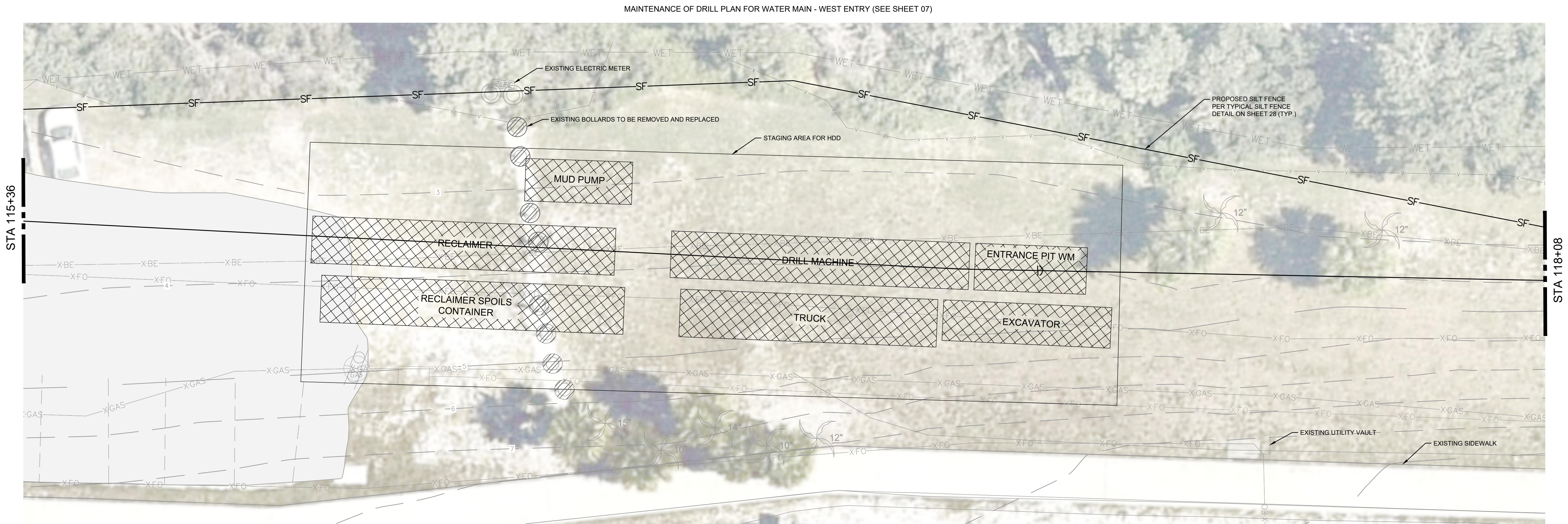
FL LICENSE NUMBER  
78652

FL DATE:

**DRILL PLAN**



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NORTH

GRAPHIC SCALE IN FEET  
0 5 10 20

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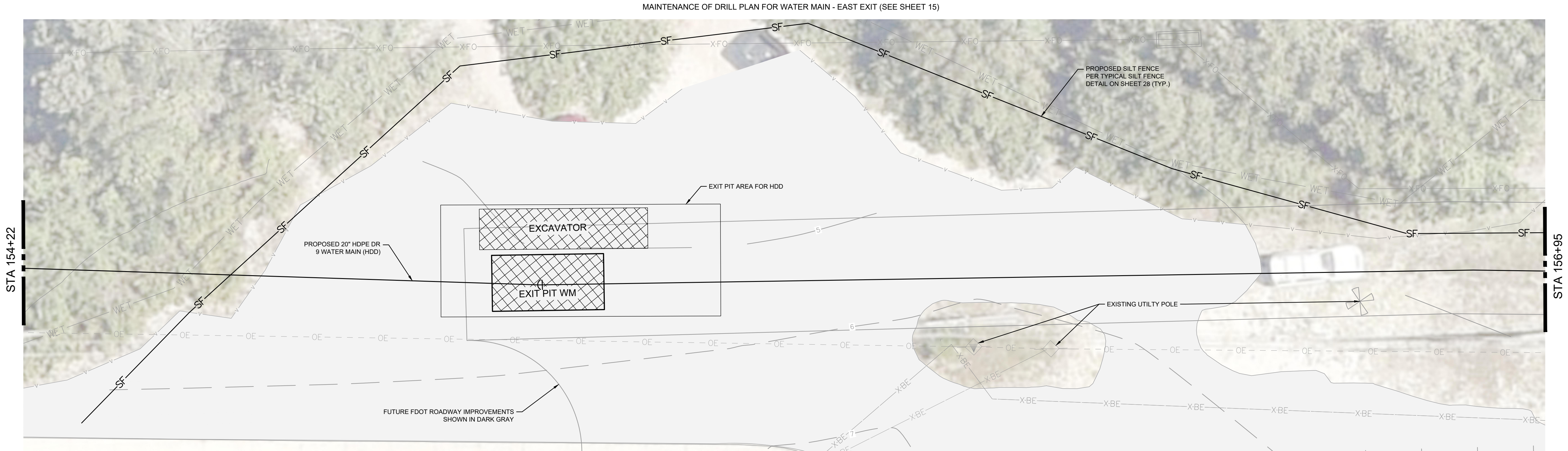
LEGEND

FDOT BANK RUN SHELL

DEMO EXISTING

DRILL EQUIPMENT

SILT FENCE PER TYPICAL SILT FENCE DETAIL ON SHEET 28



**GROUNDWATER / DEWATERING NOTE:**  
THE PRESENCE OF GROUNDWATER SHOULD BE ANTICIPATED ON THIS PROJECT. CONTRACTOR'S BID SHALL INCLUDE CONSIDERATION FOR THIS ISSUE. WHEN PERFORMING GRADING OPERATIONS DURING PERIODS OF WET WEATHER, PROVIDE ADEQUATE DEWATERING, DRAINAGE AND GROUND WATER MANAGEMENT TO CONTROL MOISTURE OF SOILS.

**811** KNOW WHAT'S BELOW  
ALWAYS CALL 811 BEFORE YOU DIG  
It's fast. It's free. It's the law.  
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PHONE: 727-547-3999  
WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT  
148400098  
DATE  
DECEMBER 2024  
SCALE AS SHOWN  
DESIGNED BY JWW  
DRAWN BY ALC  
CHECKED BY KMS

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

LICENSED PROFESSIONAL  
JORDAN W. WALKER, P.E.  
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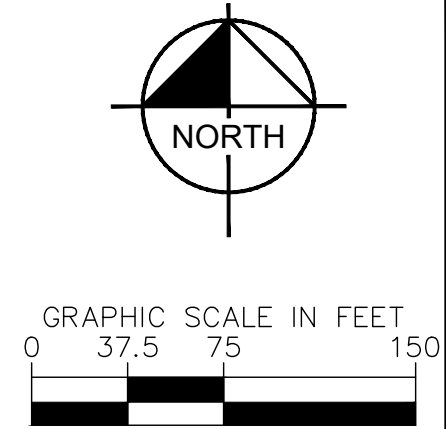
**MAINTENANCE OF DRILL PLAN**

SHEET NUMBER  
**19**



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MATCH LINE STA 174+00  
SEE ABOVE



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LEGEND

ROADWAY

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MANATEE COUNTY

LICENSED PROFESSIONAL

JORDAN W. WALKER, P.E.

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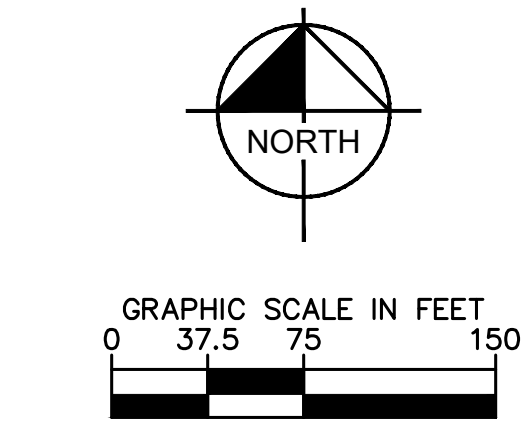
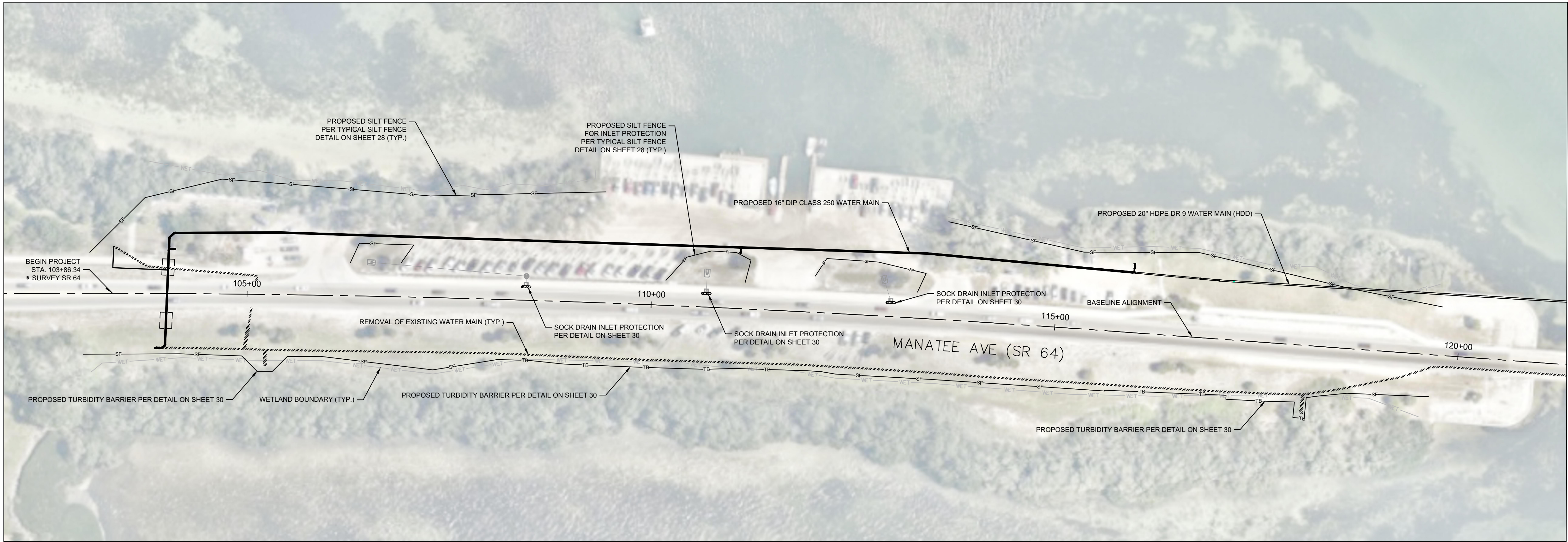
**MAINTENANCE OF DRILL PLAN - LAY DOWN AREA**

SHEET NUMBER

**20**

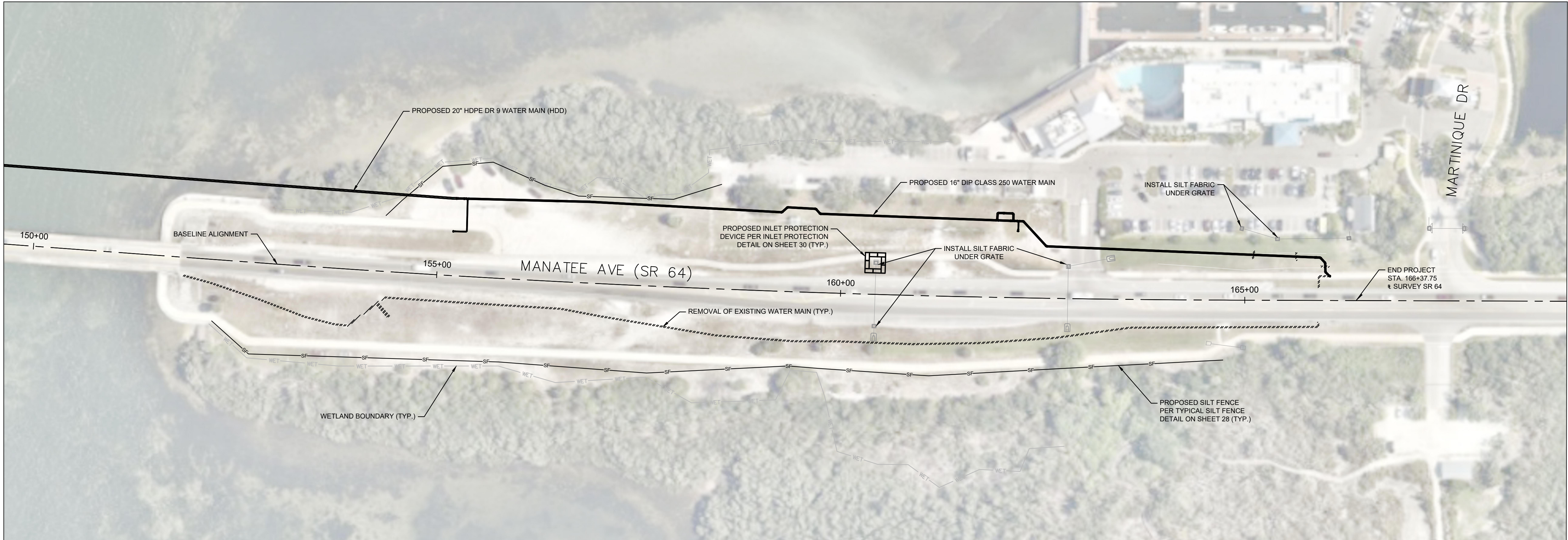


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- LEGEND**
- INLET PROTECTION PER AND SEDIMENT BARRIER PER INLET PROTECTION DETAIL ON SHEET 30
  - SOCK DRAIN INLET PROTECTION PER DETAIL ON SHEET 30
  - SILT FENCE PER TYPICAL SILT FENCE DETAIL ON SHEET 28
  - WETLAND DELINEATION
  - TURBIDITY BARRIER PER DETAIL ON SHEET 30

THIS EROSION CONTROL PLAN IS FOR GENERAL GUIDANCE. CONTRACTOR SHALL PROVIDE AN EROSION CONTROL PLAN THAT IS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REPRESENTING THE CONTRACTOR FOR REVIEW AND APPROVAL BY THE COUNTY AND THE PERMITTING AGENCY.



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MANATEE COUNTY

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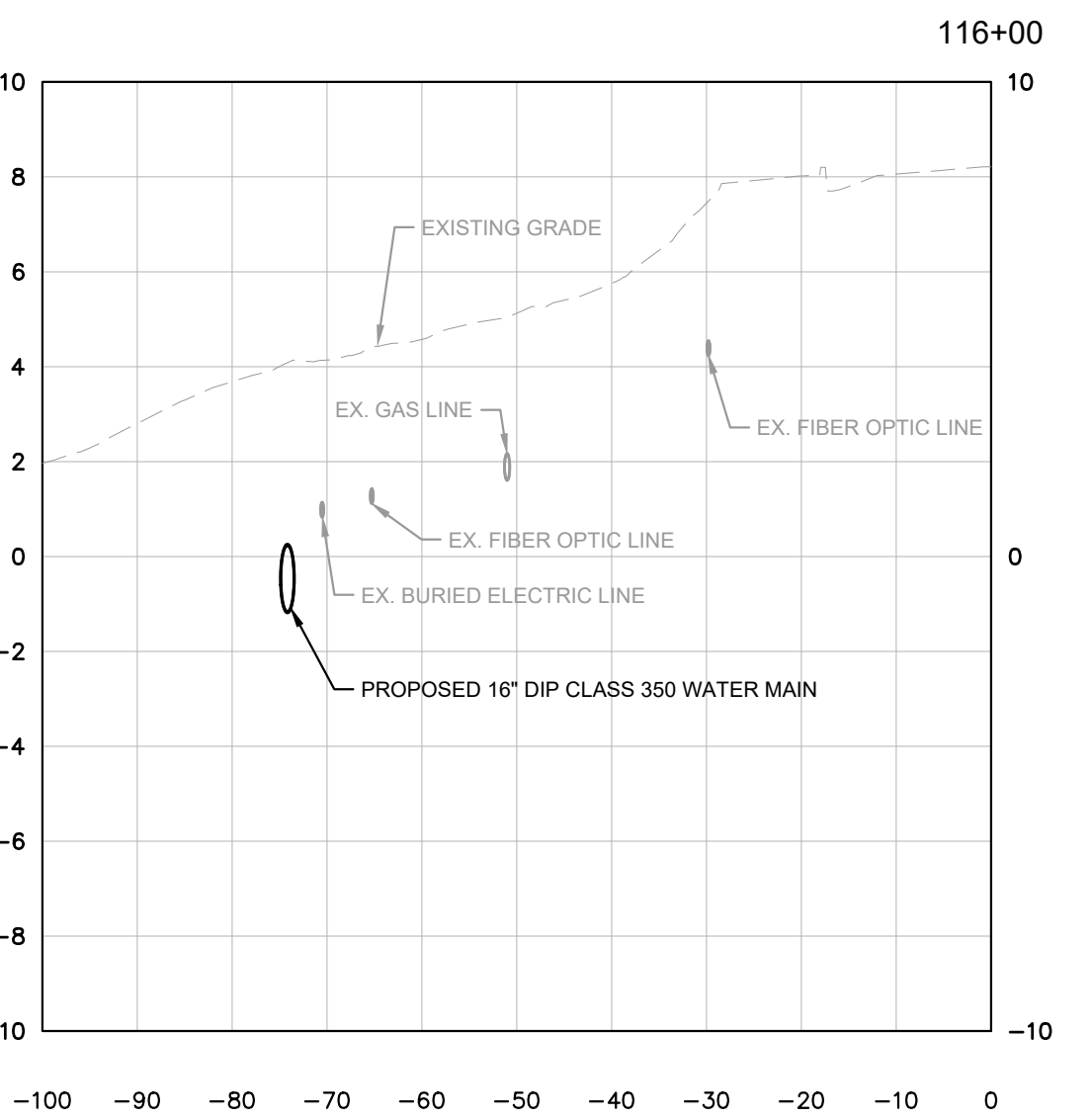
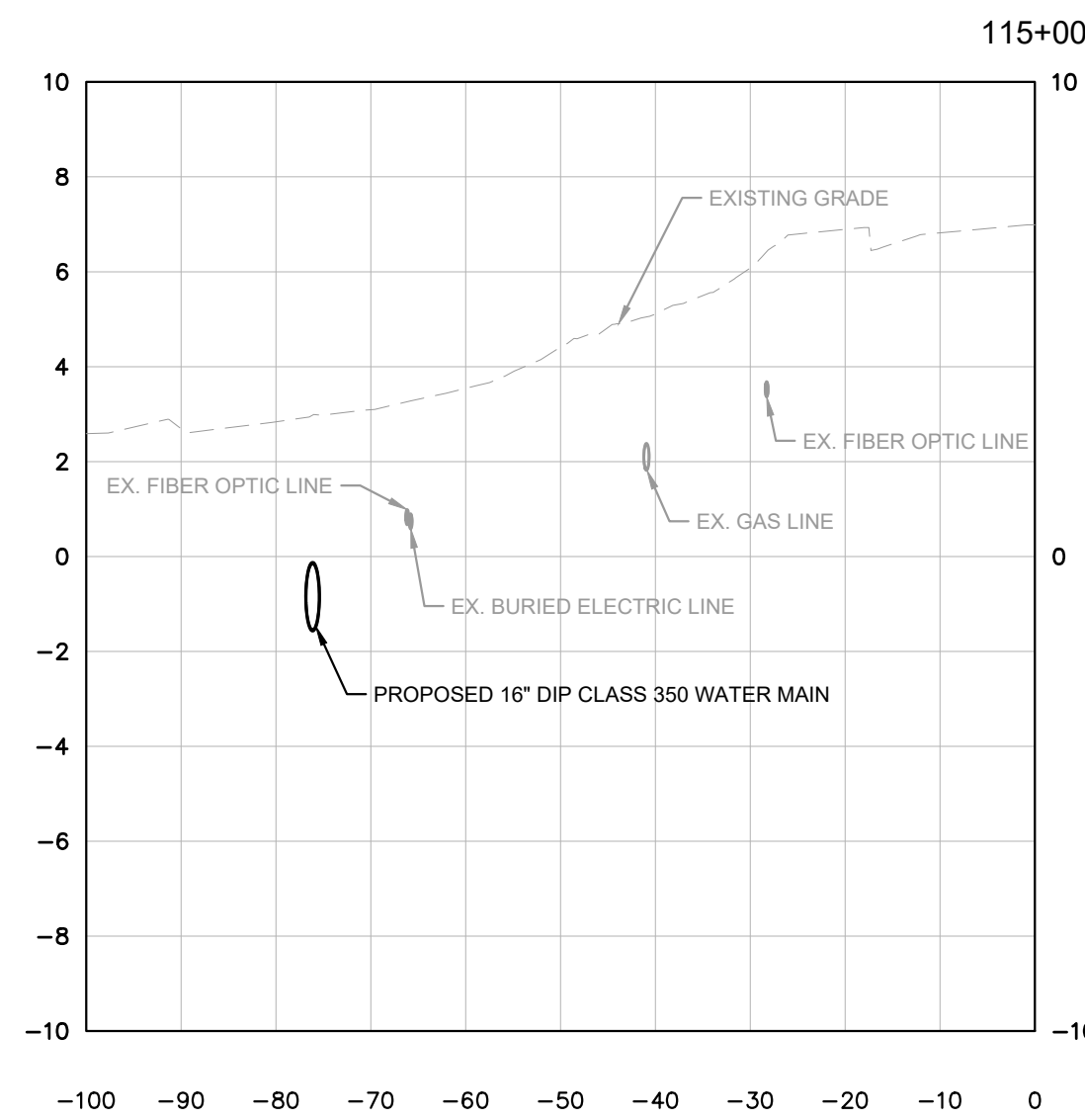
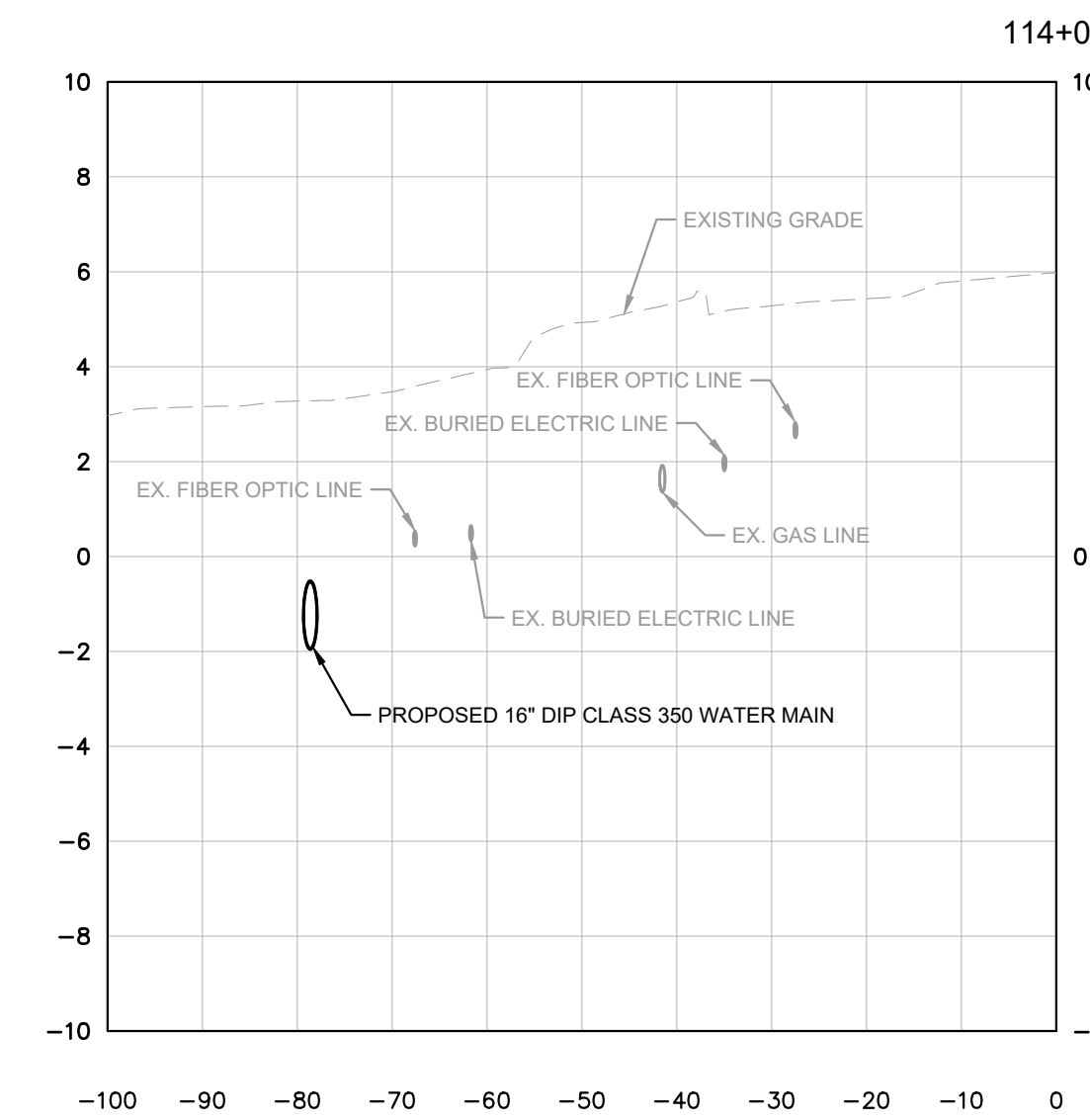
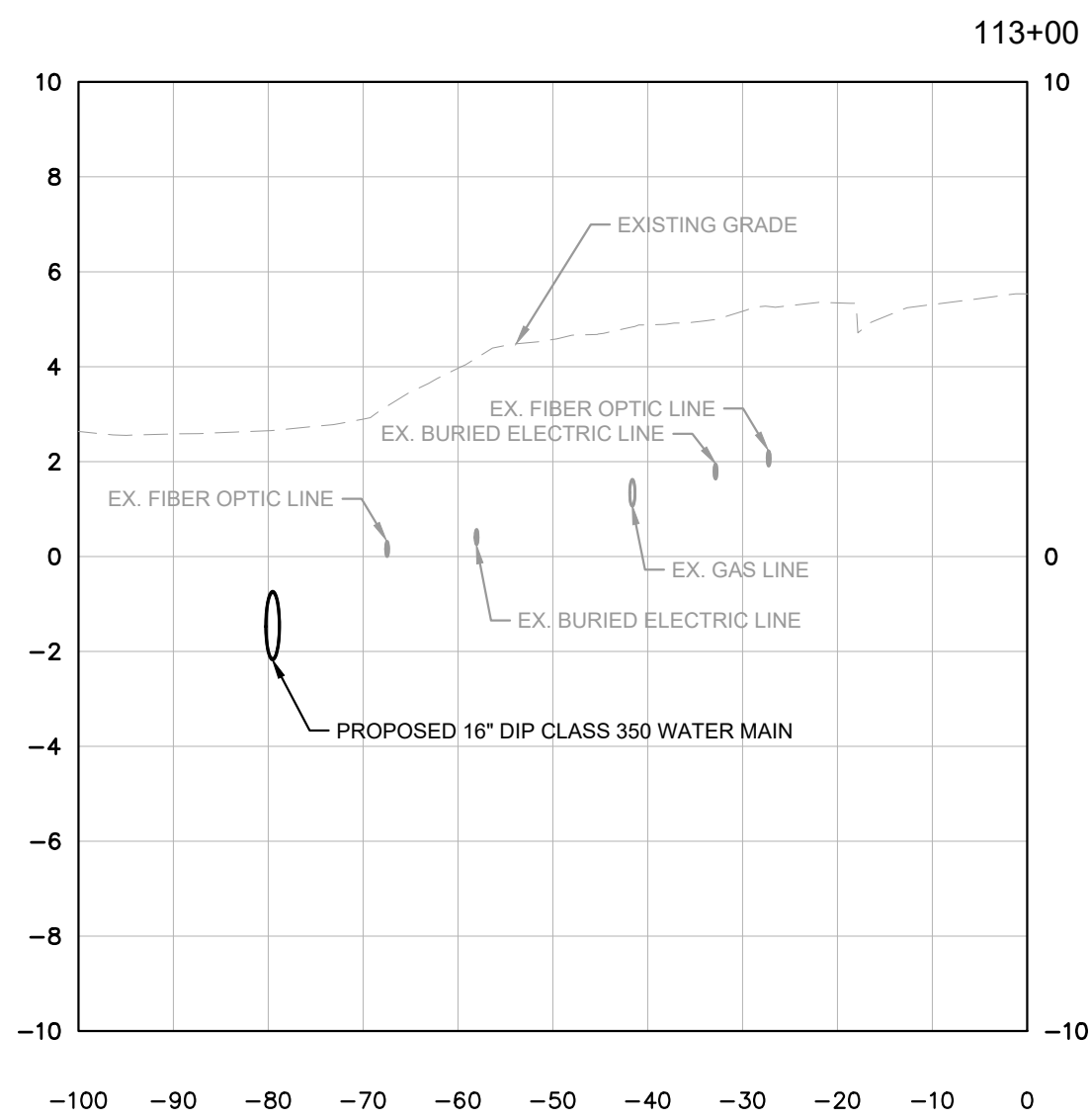
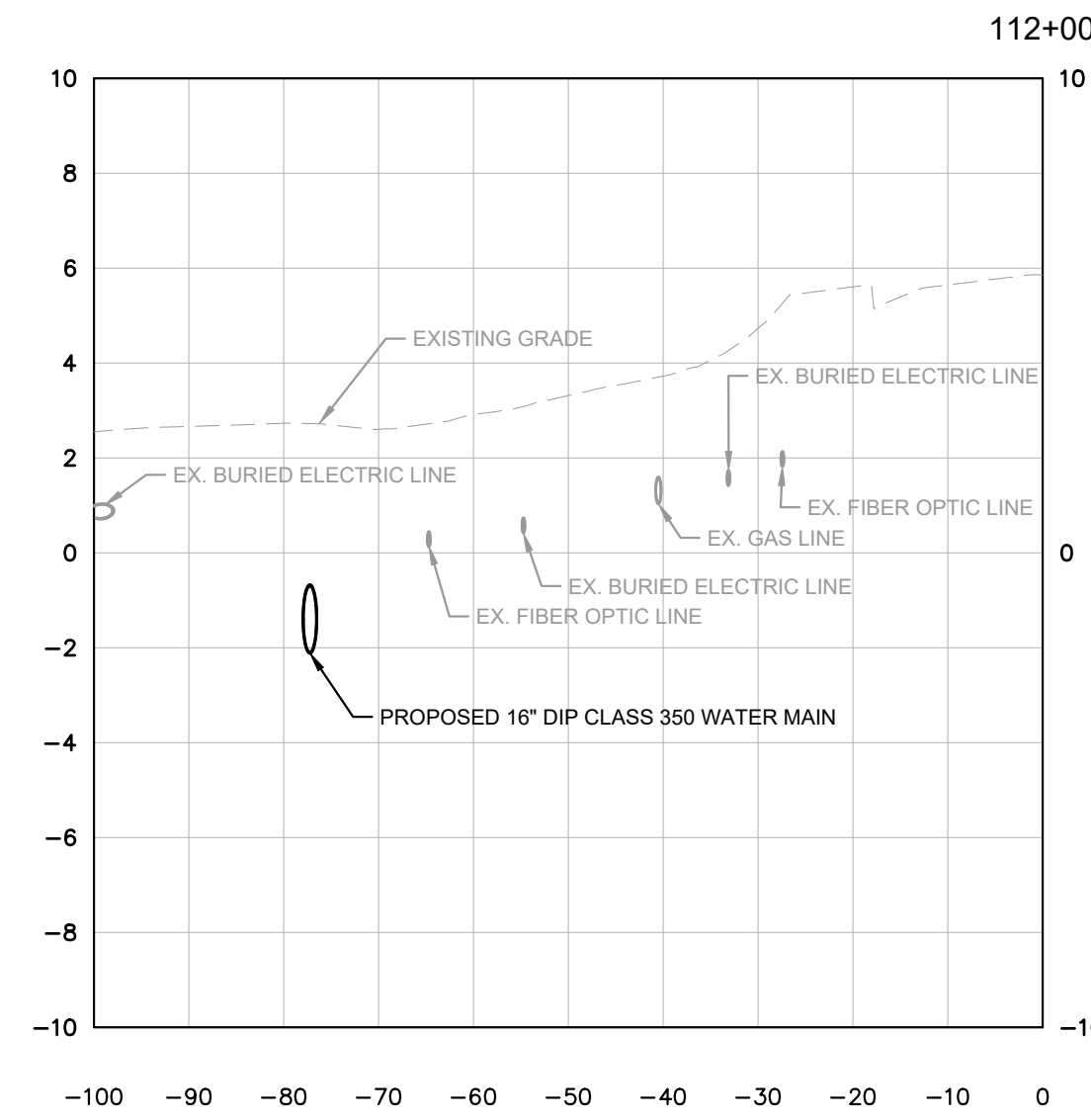
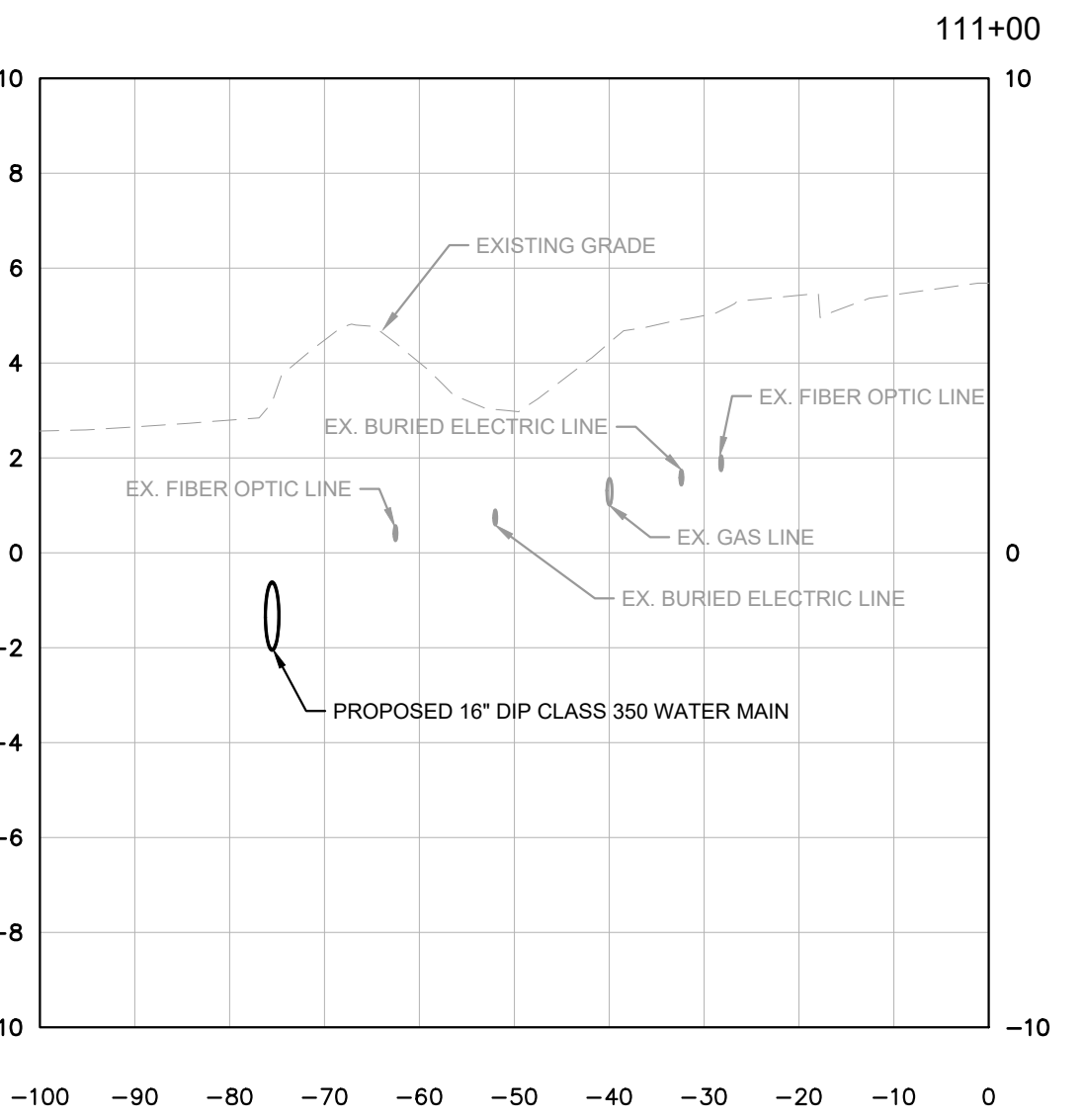
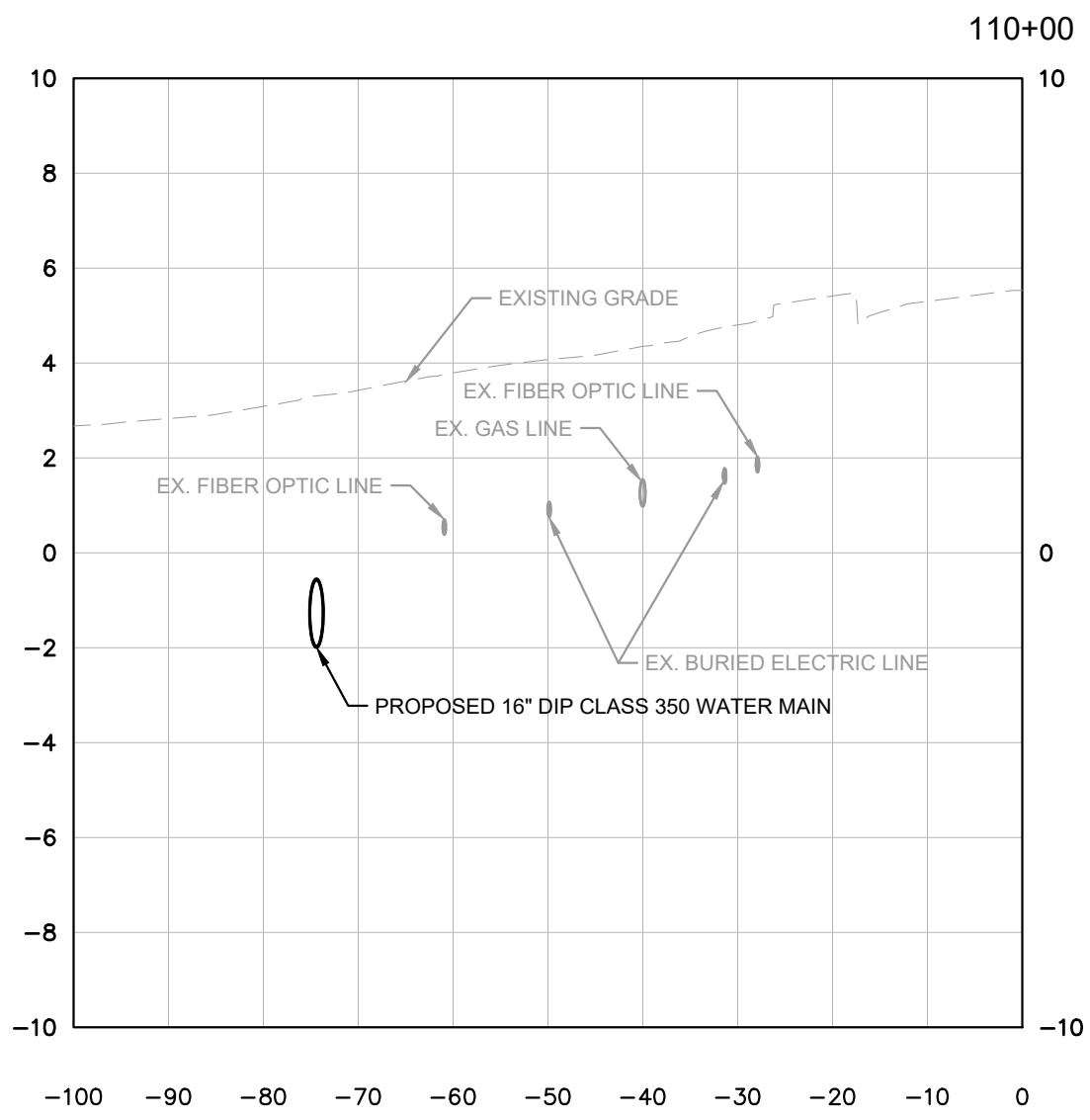
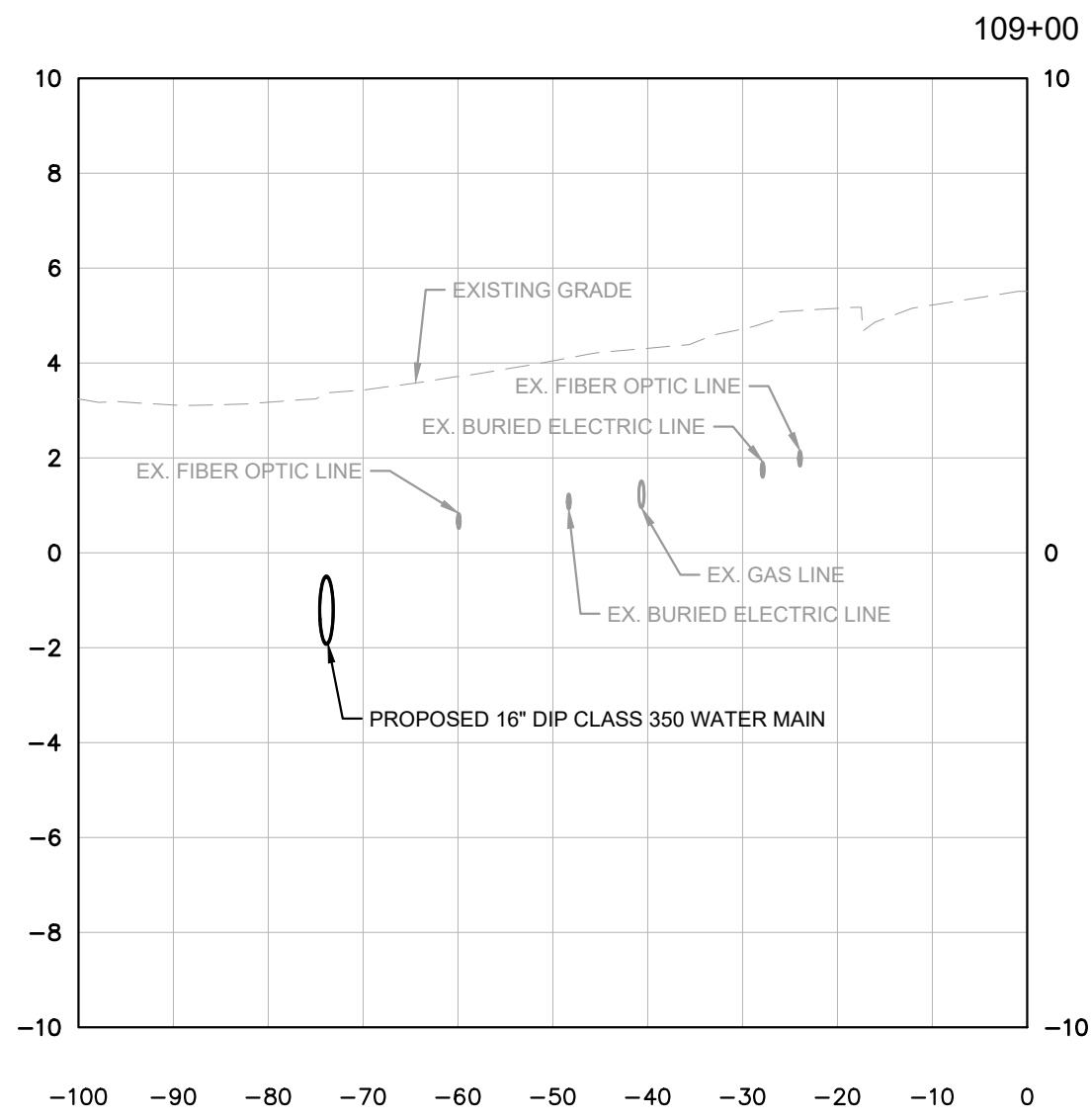
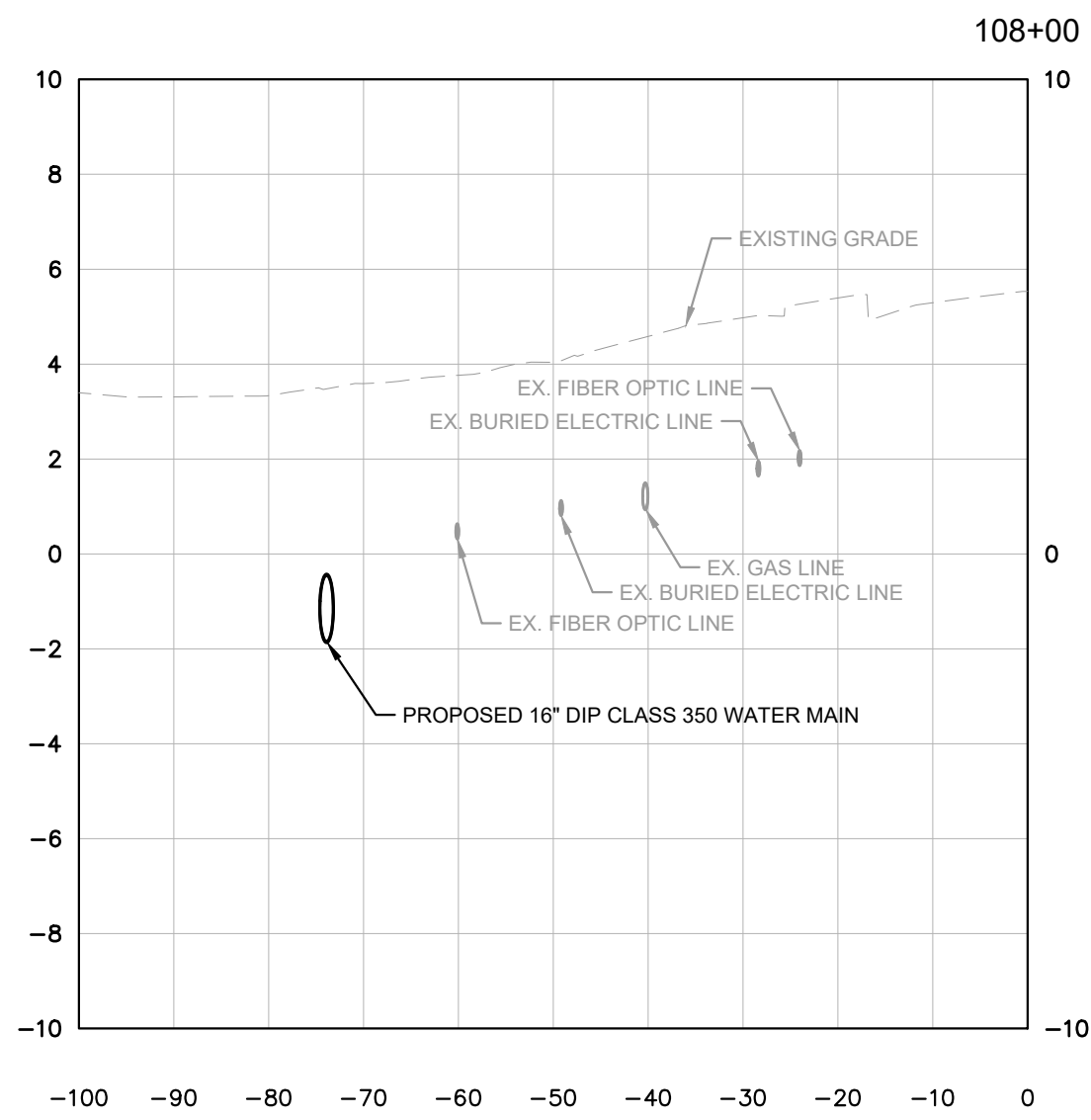
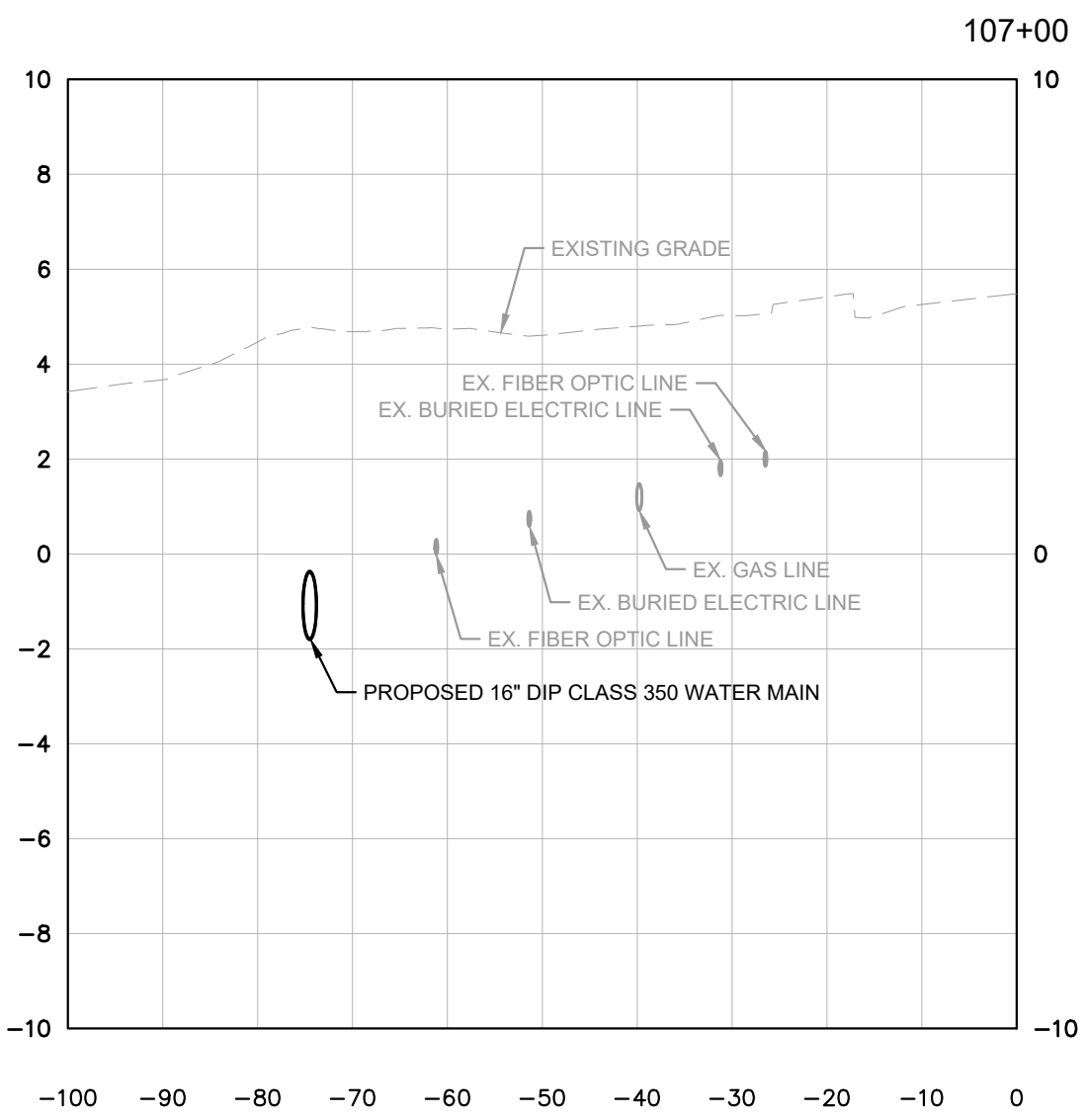
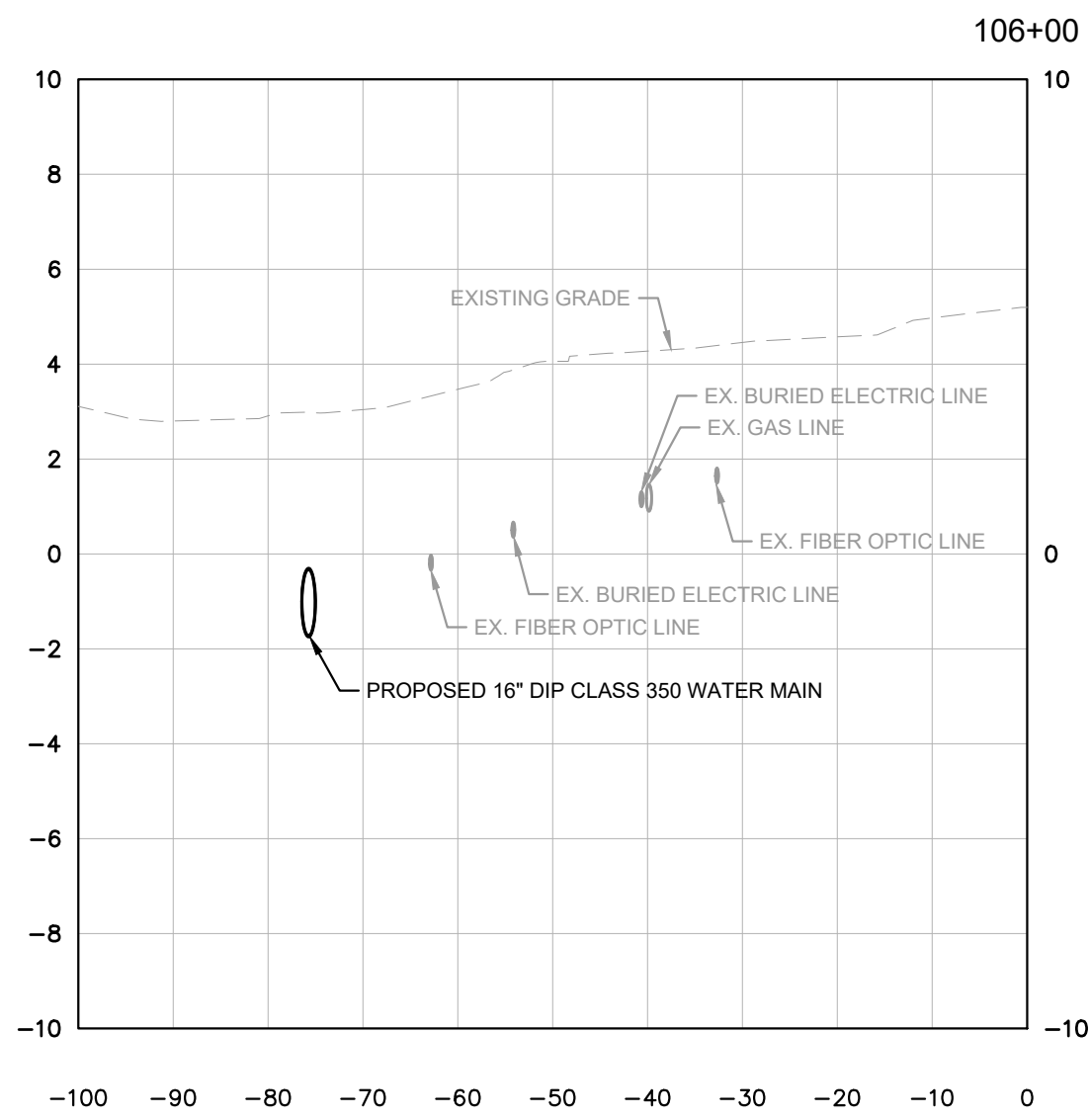
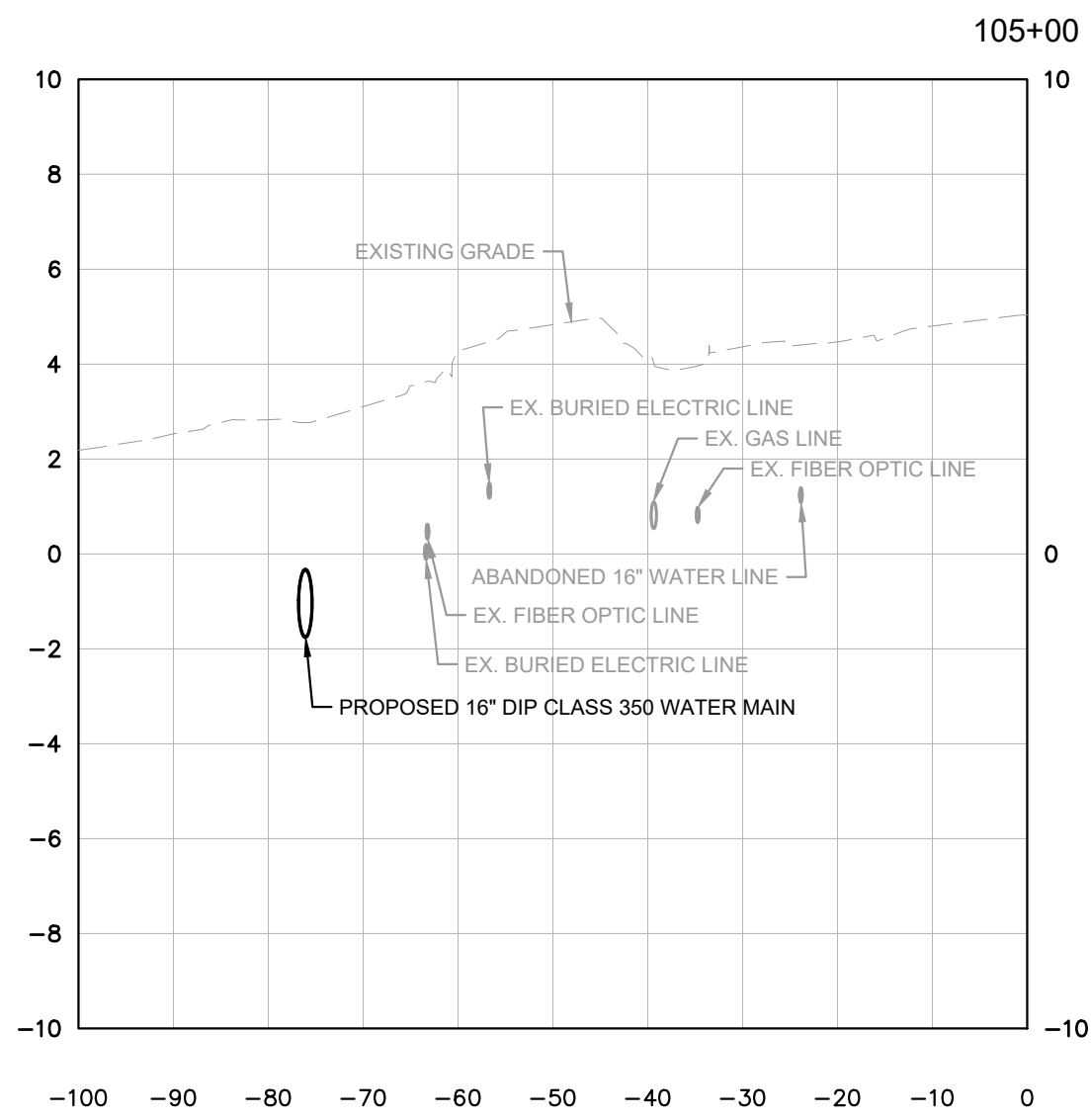
FL DATE:

STORM WATER POLLUTION  
PREVENTION PLAN

SHEET NUMBER  
21



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WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

KHA PROJECT 148400098
DATE DECEMBER 2024
SCALE AS SHOWN
DESIGNED BY JWW
DRAWN BY ALC
CHECKED BY KMS

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

MANATEE COUNTY

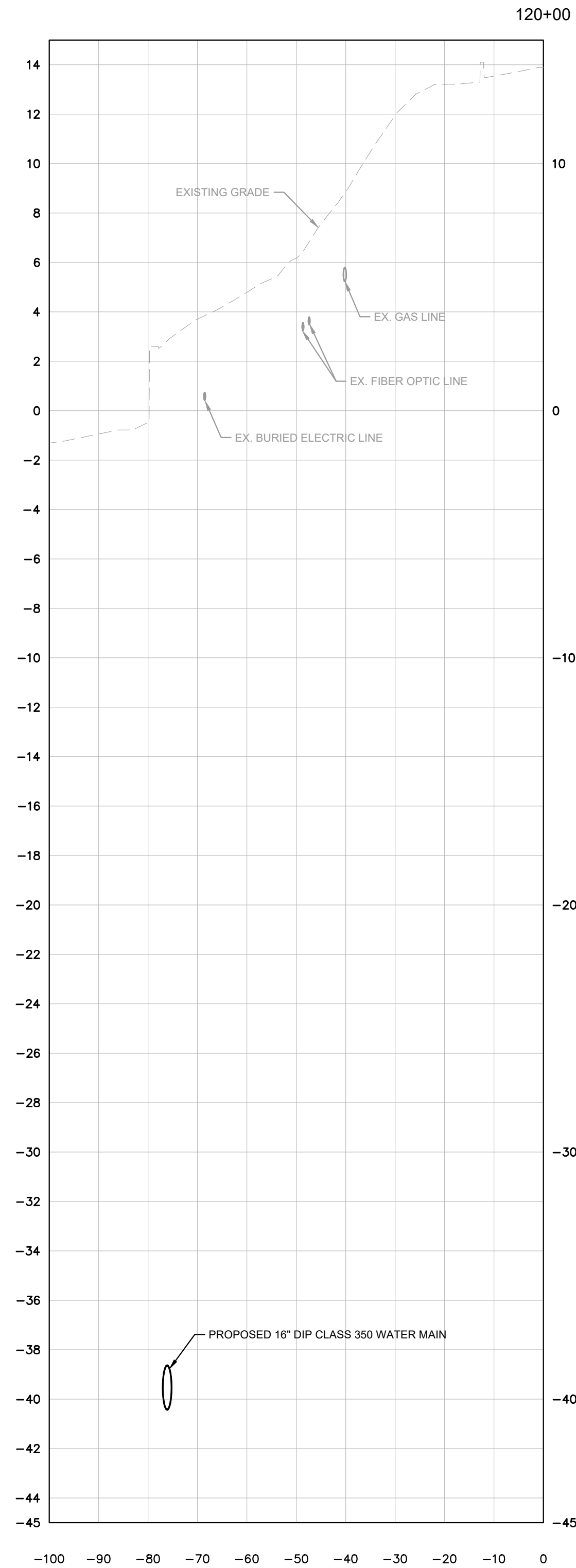
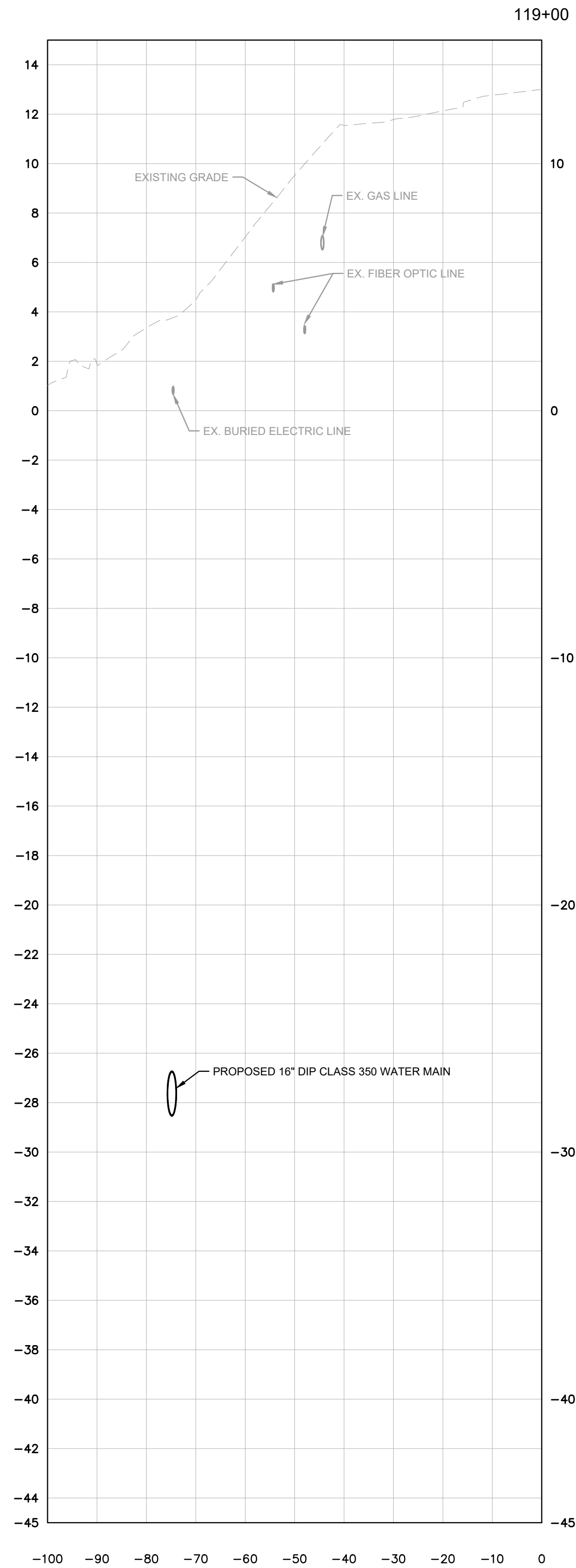
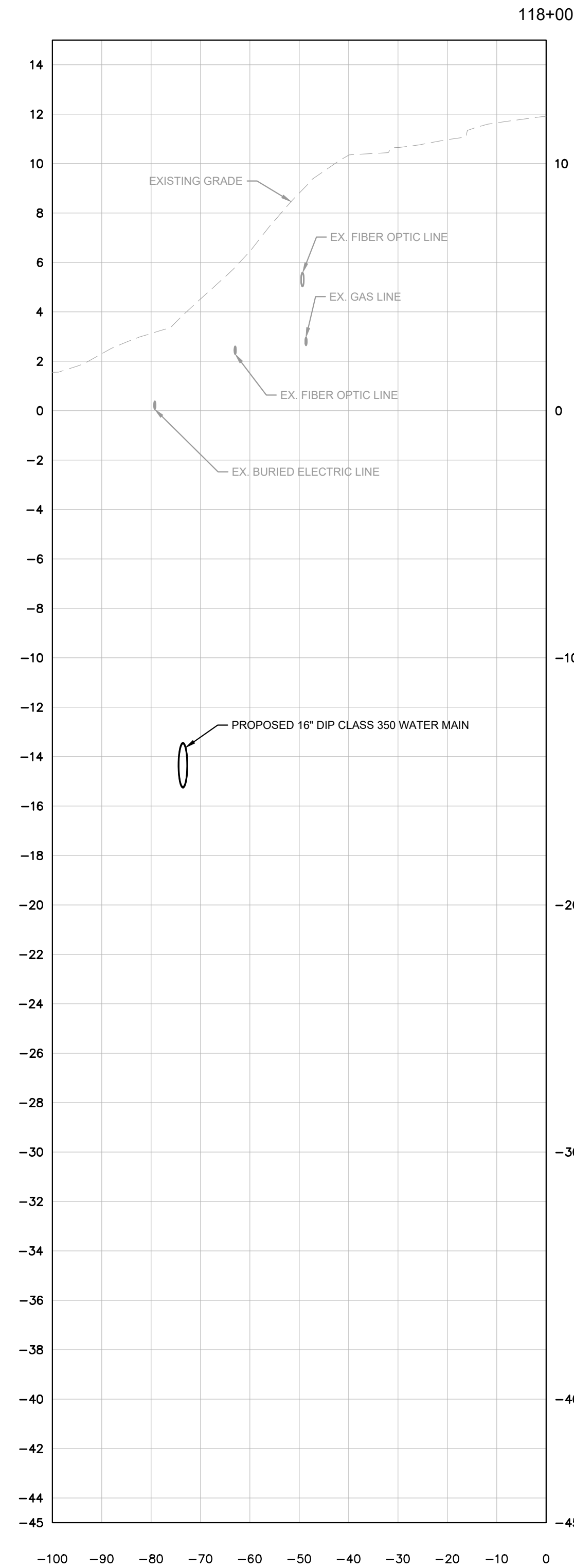
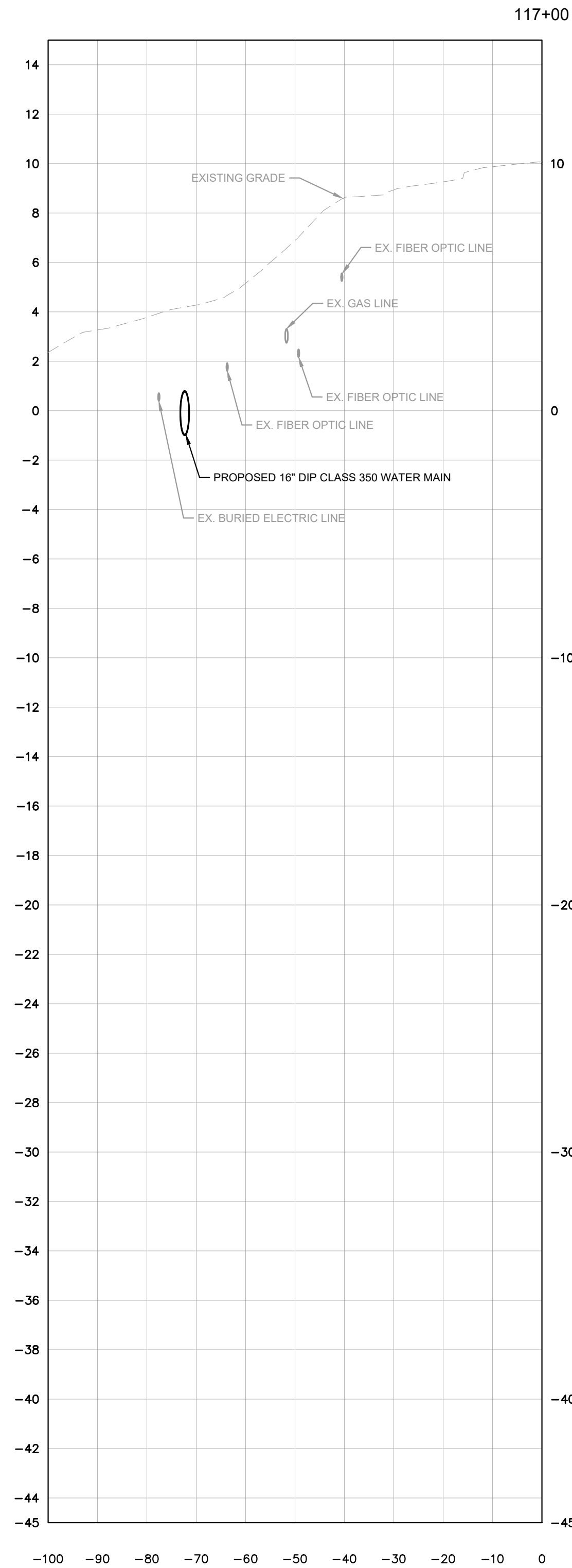
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WEST SECTION VIEWS

SHEET NUMBER
22



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MANATEE COUNTY

FL

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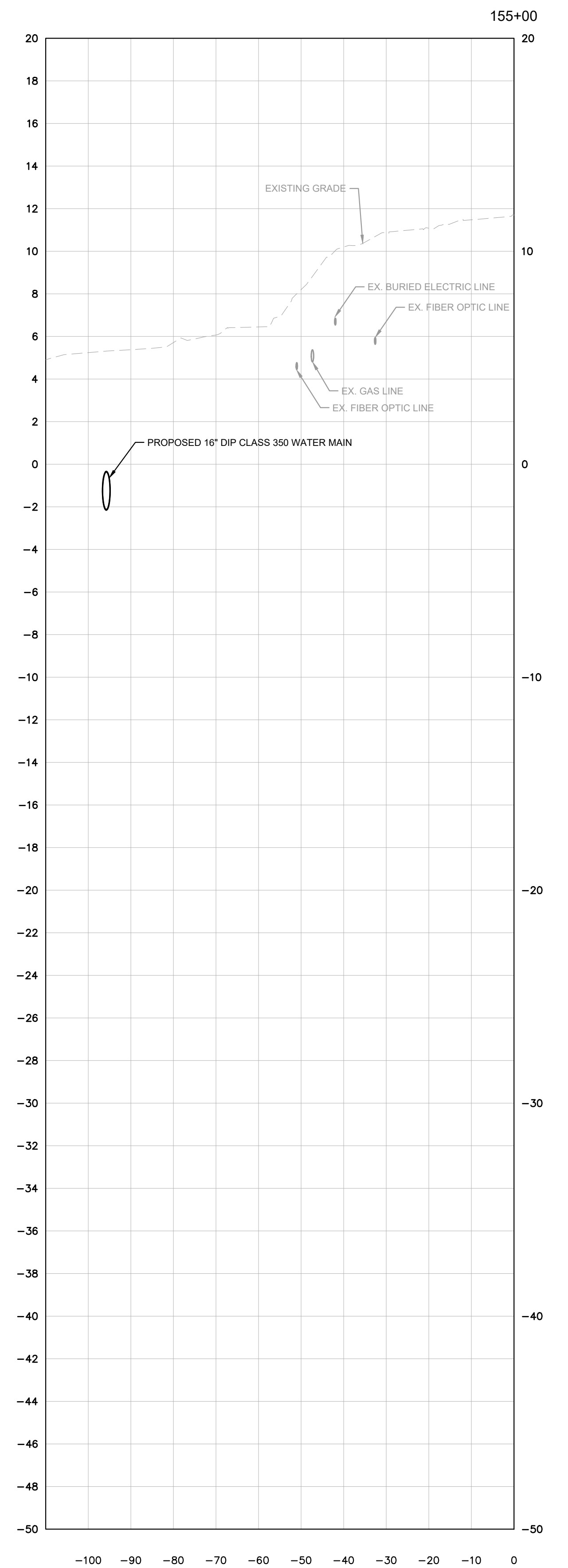
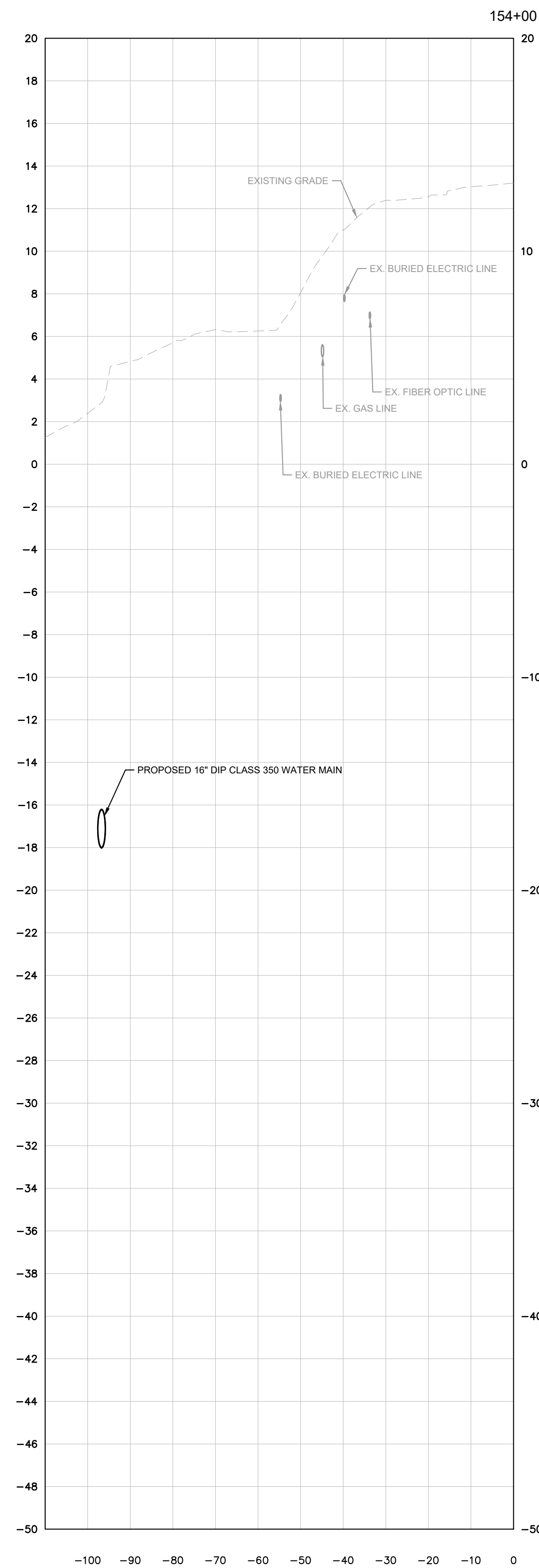
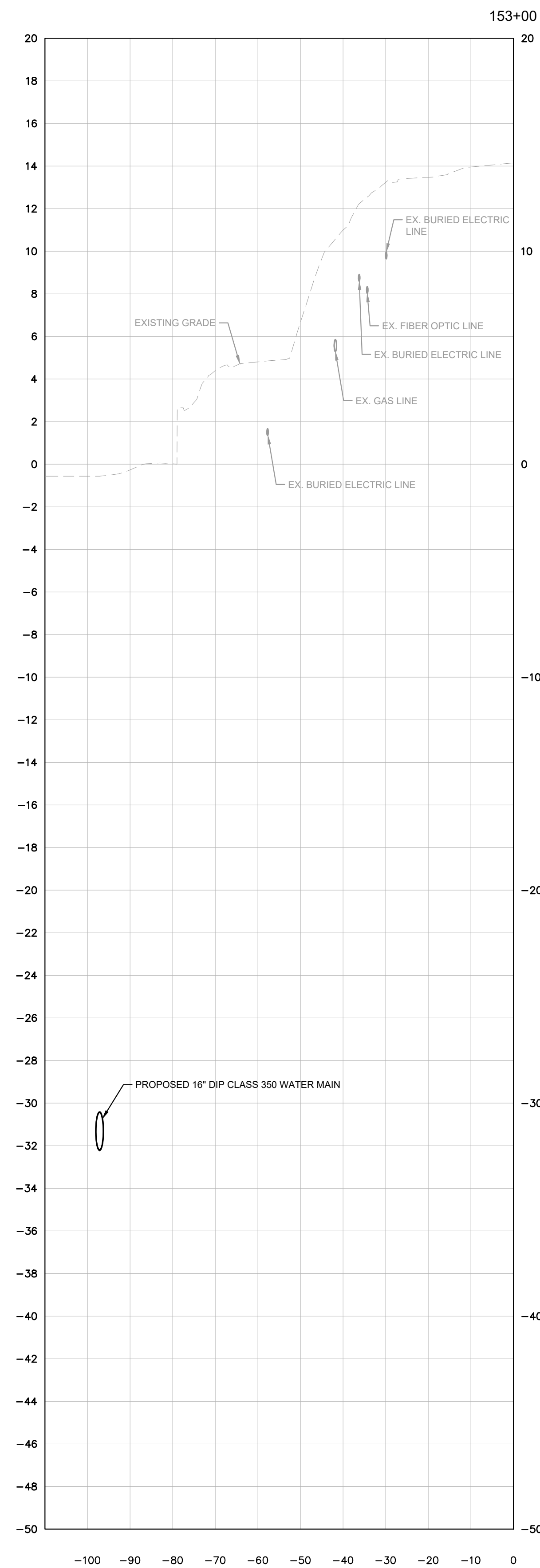
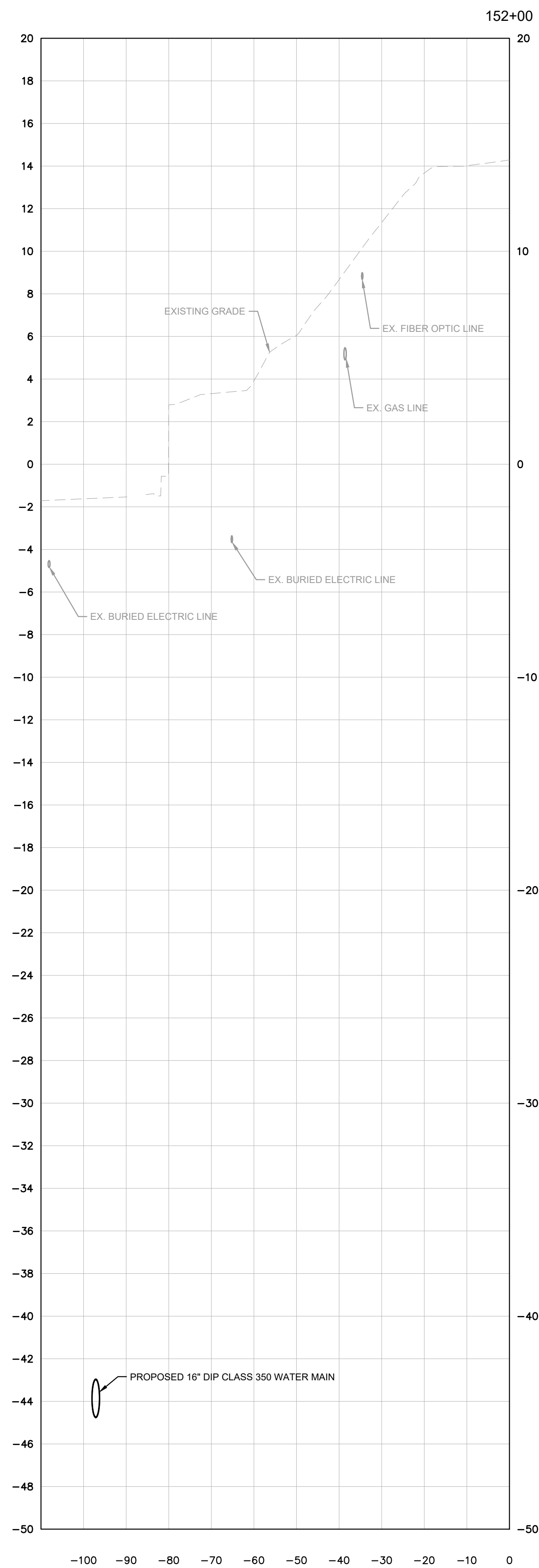
## WEST SECTION VIEWS

SHEET NUMBER

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MANATEE COUNTY FL

LICENSED PROFESSIONAL

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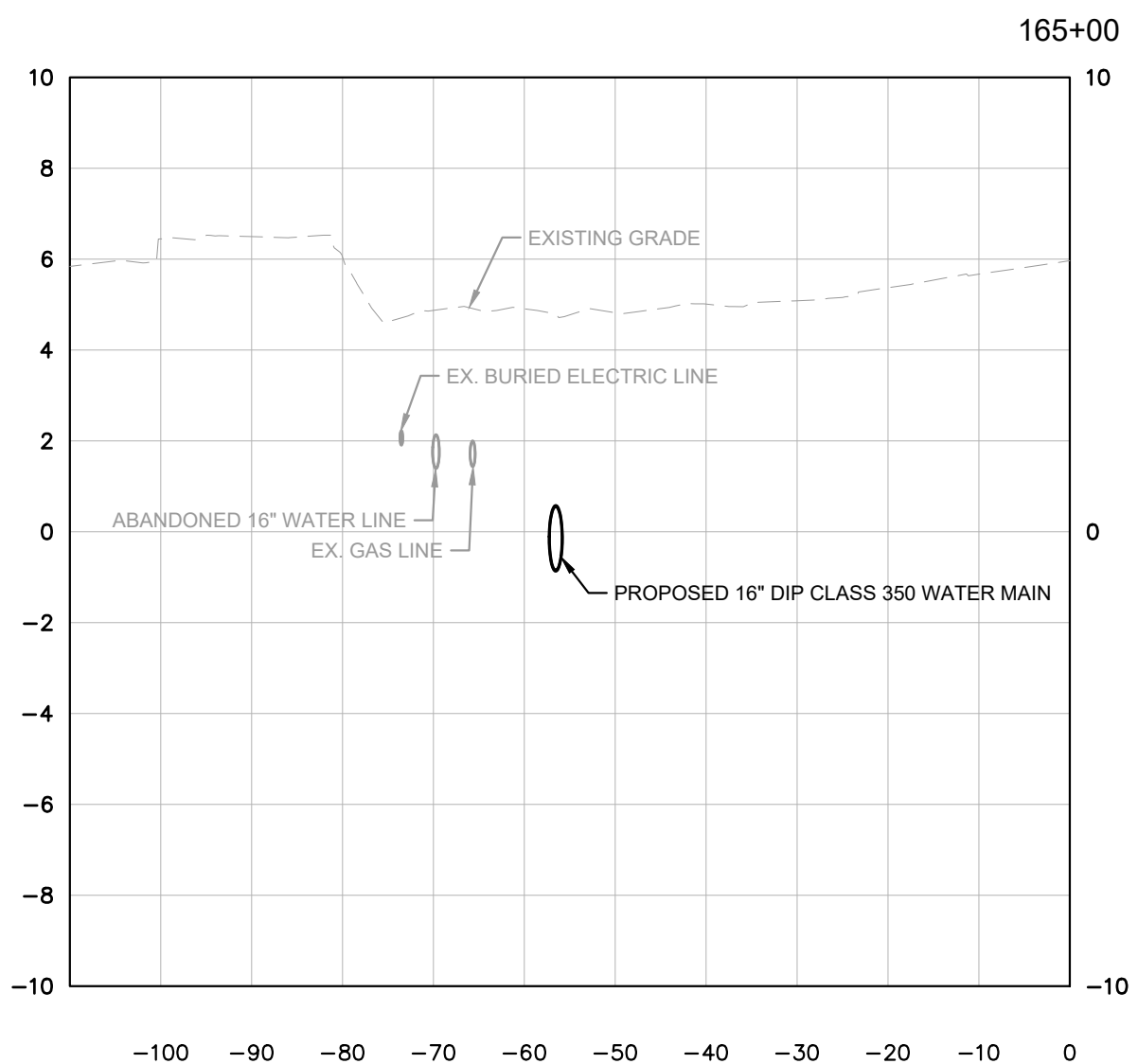
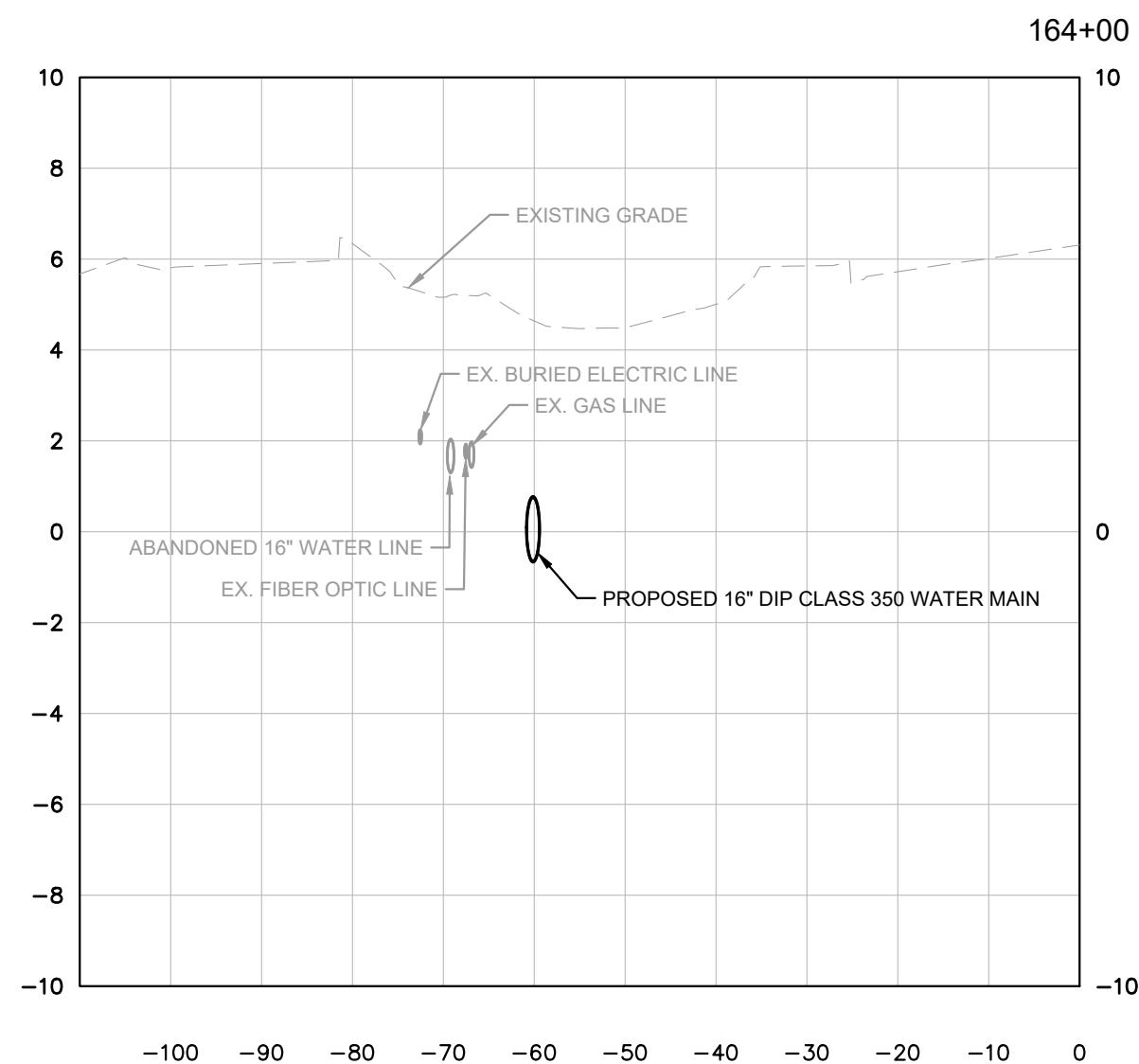
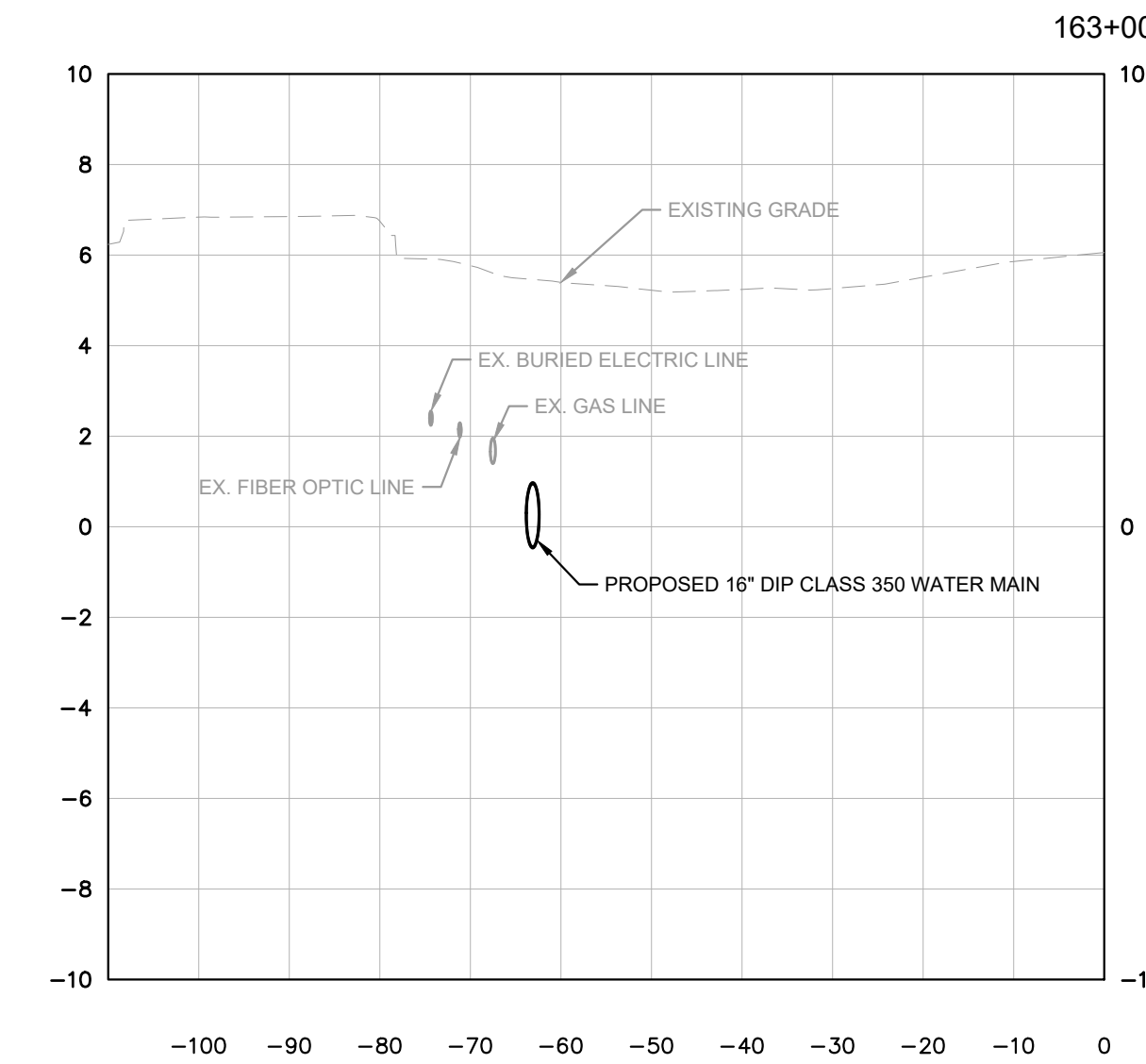
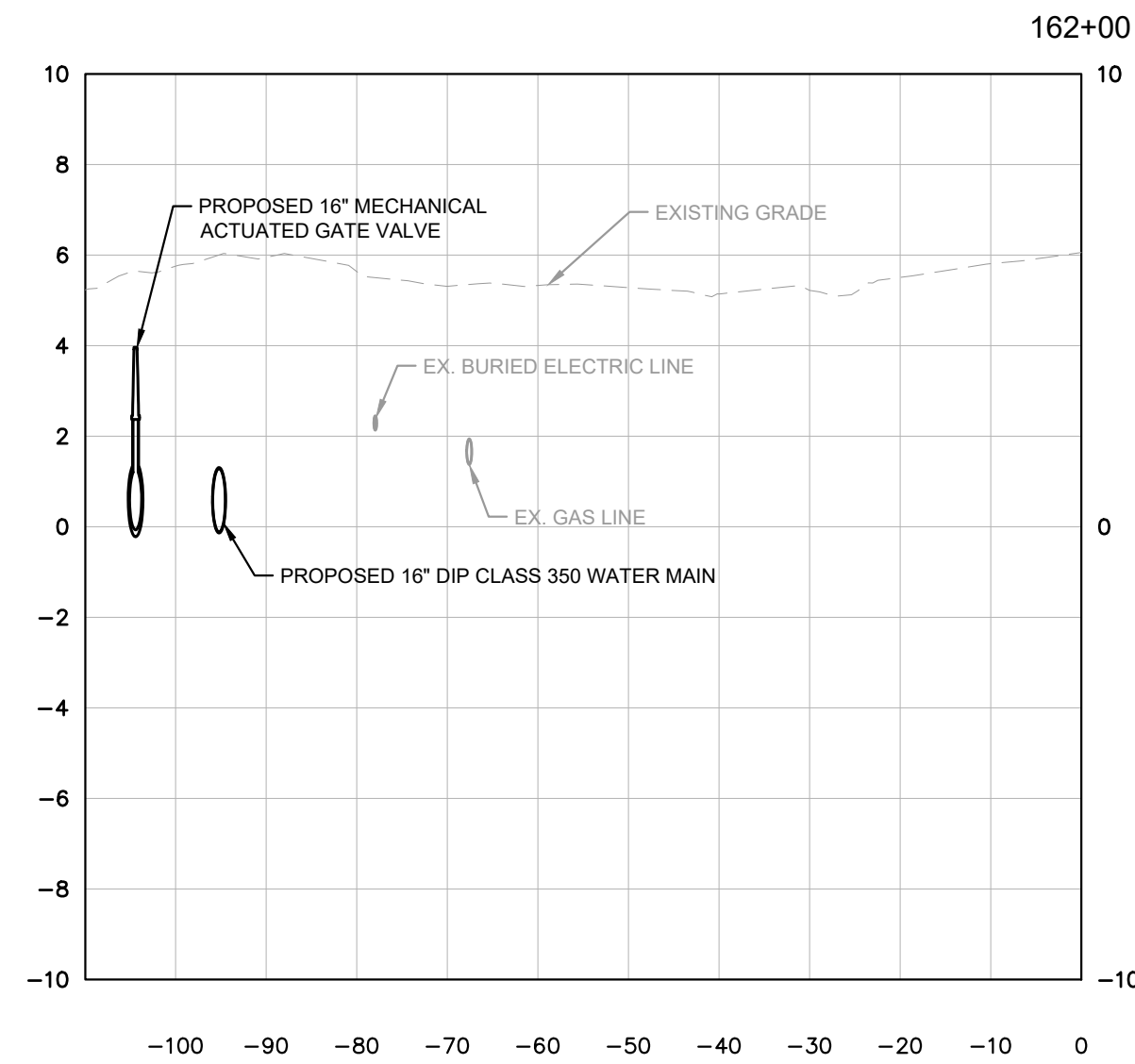
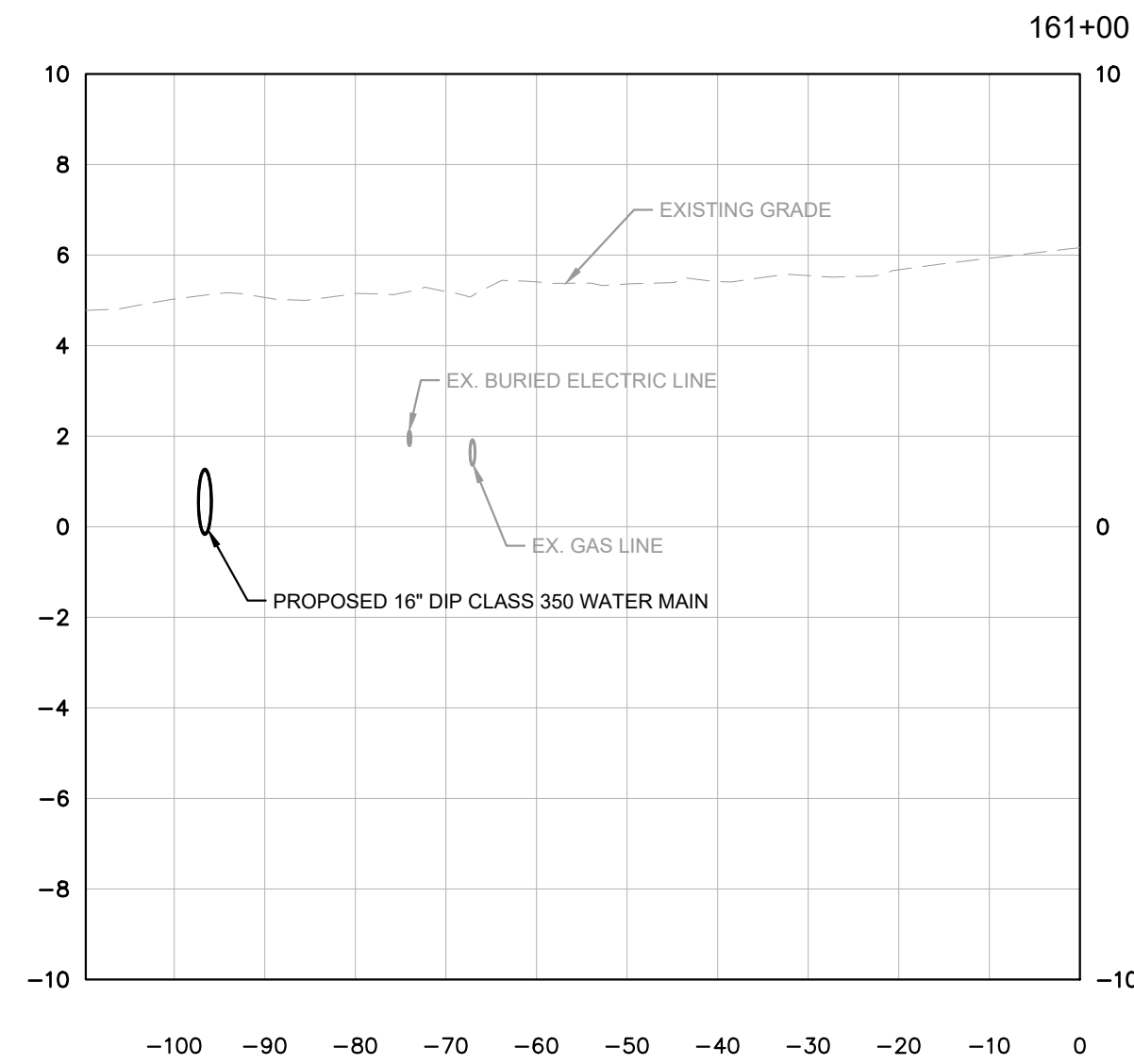
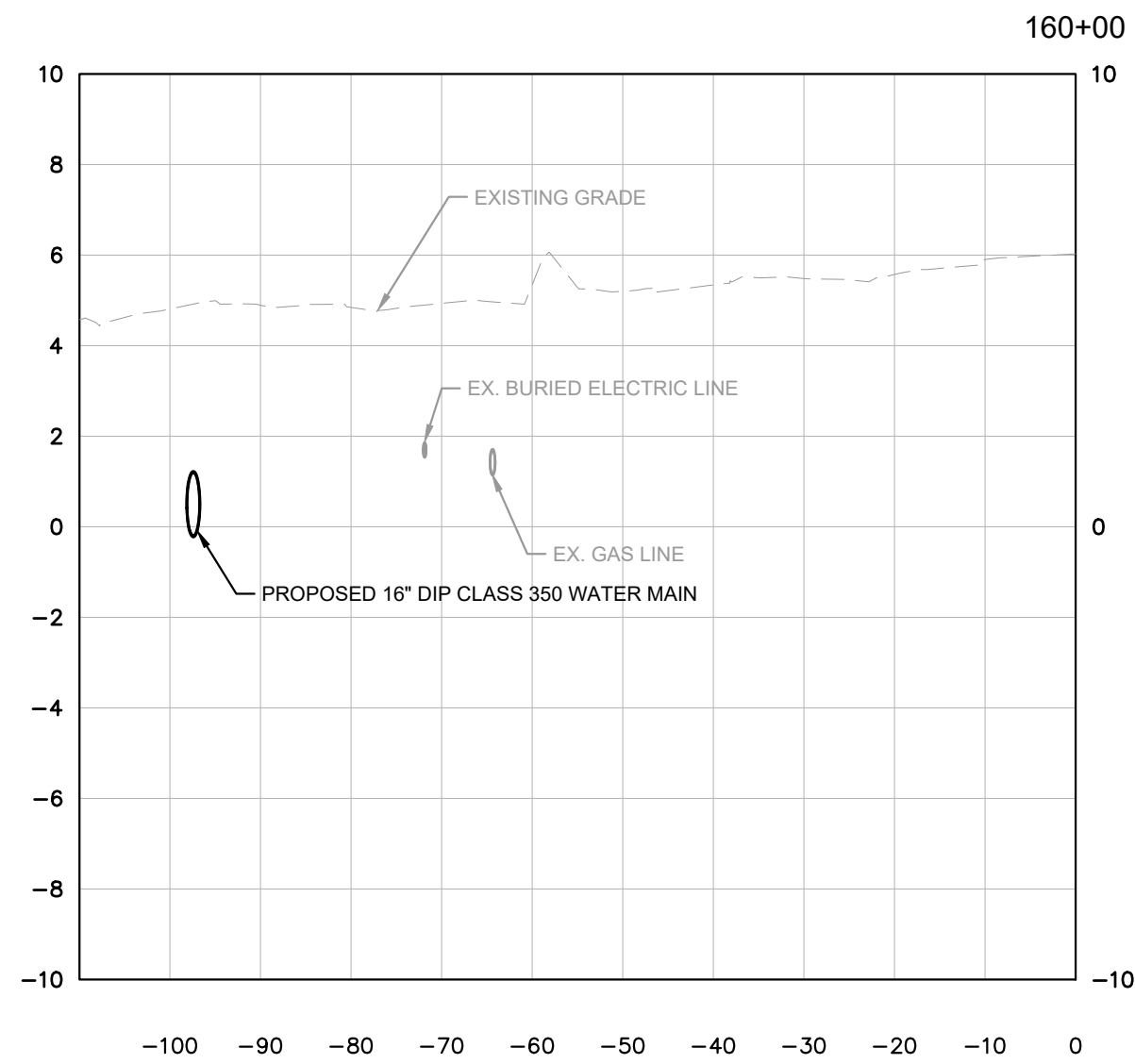
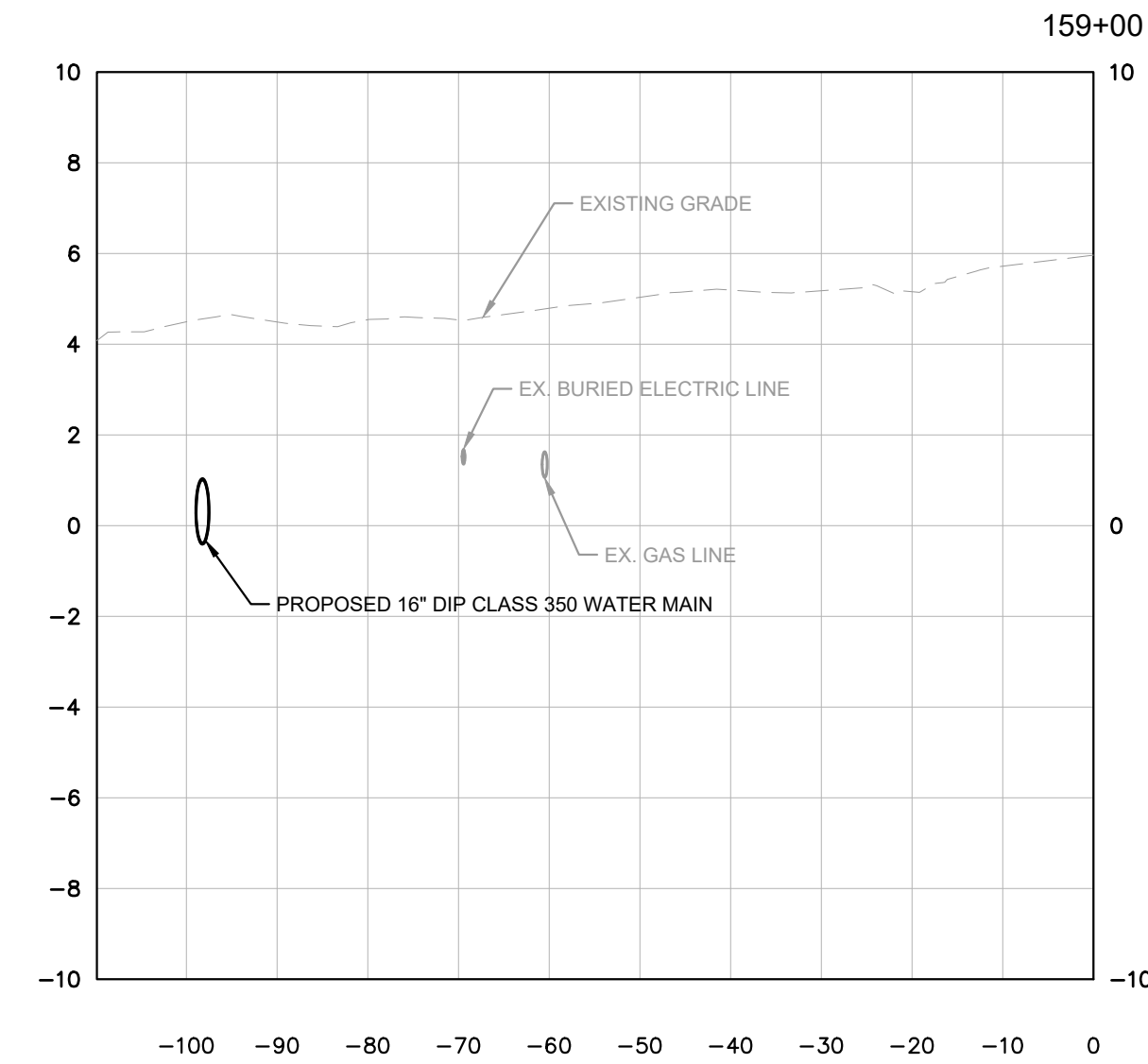
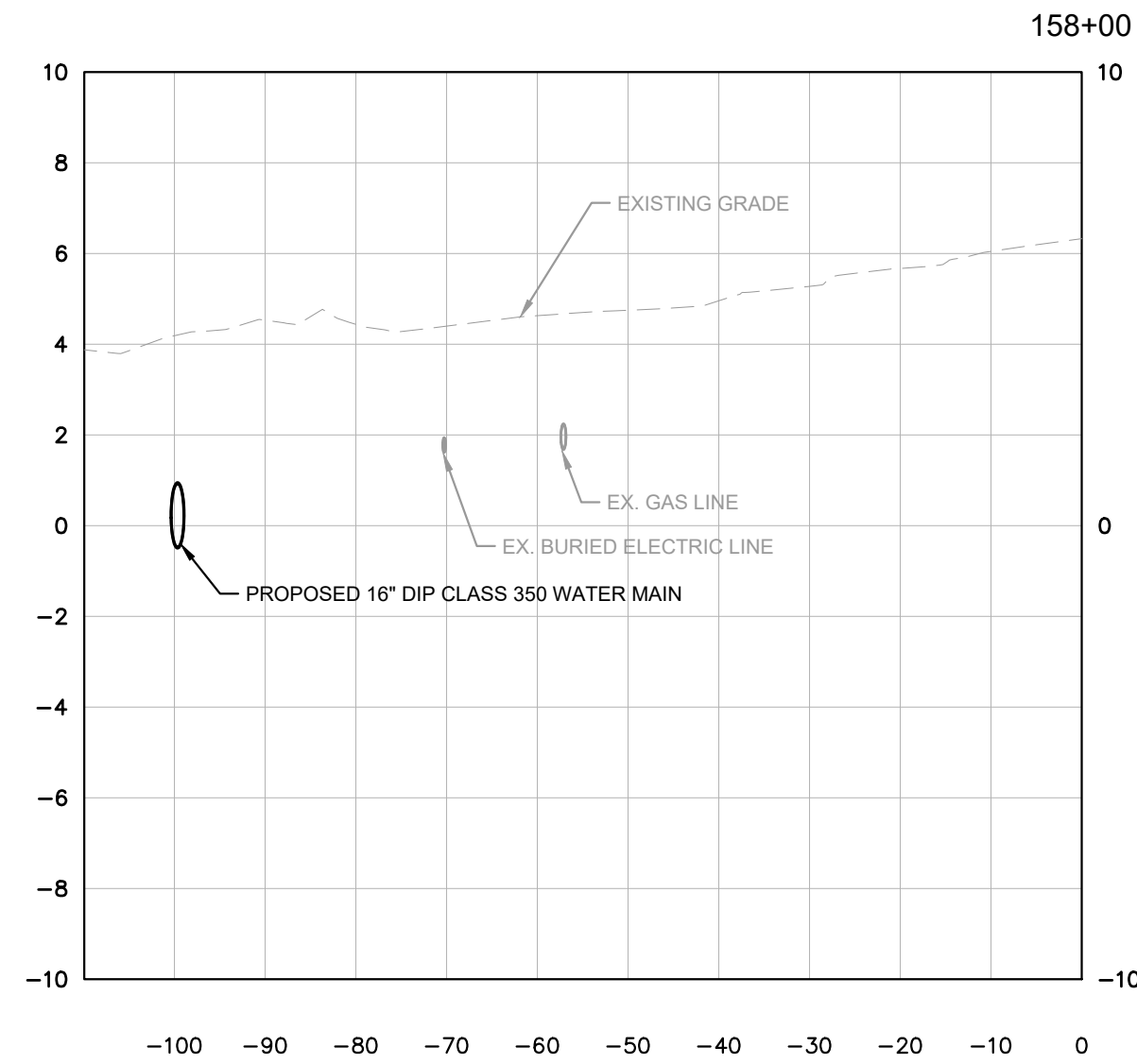
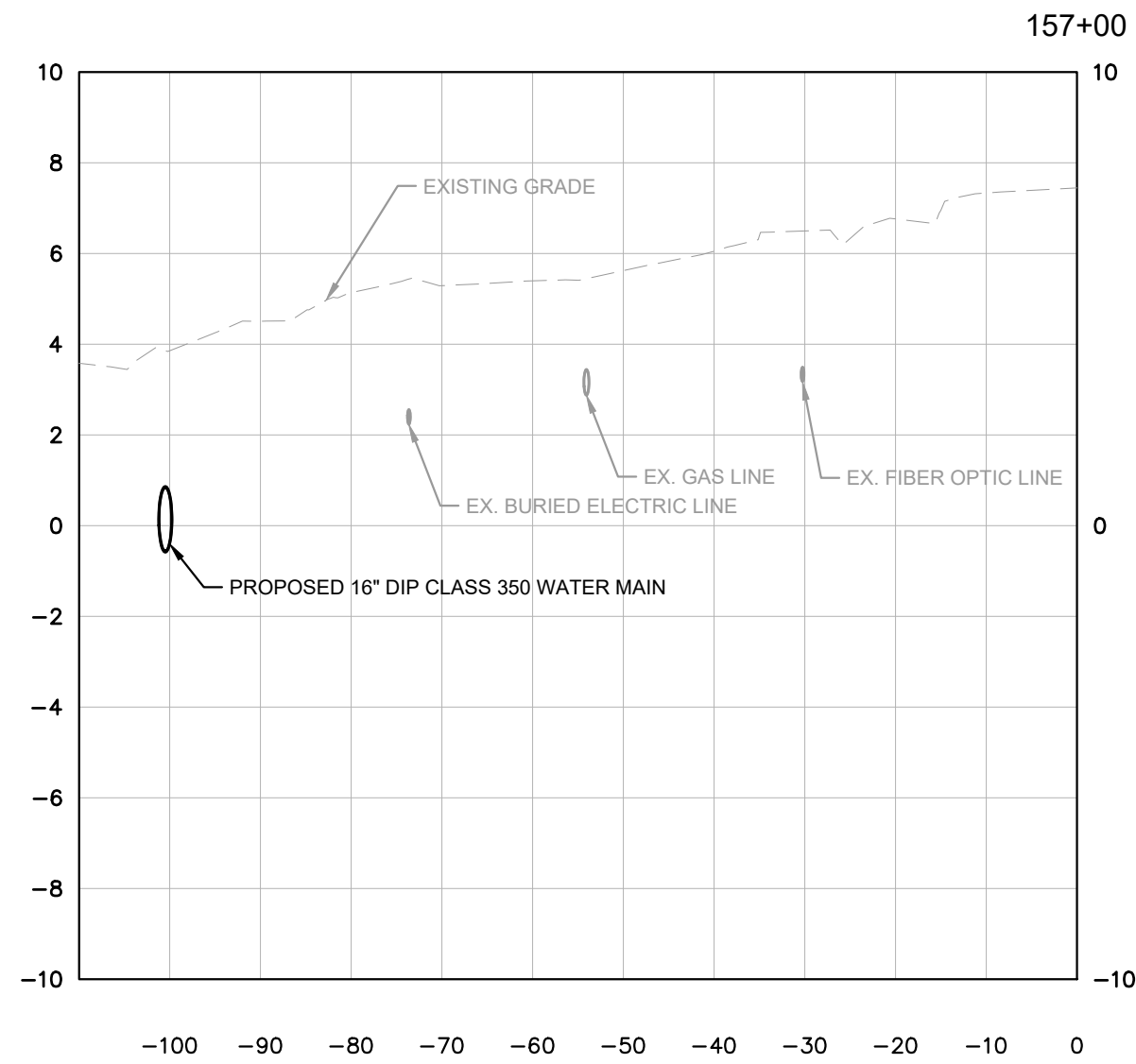
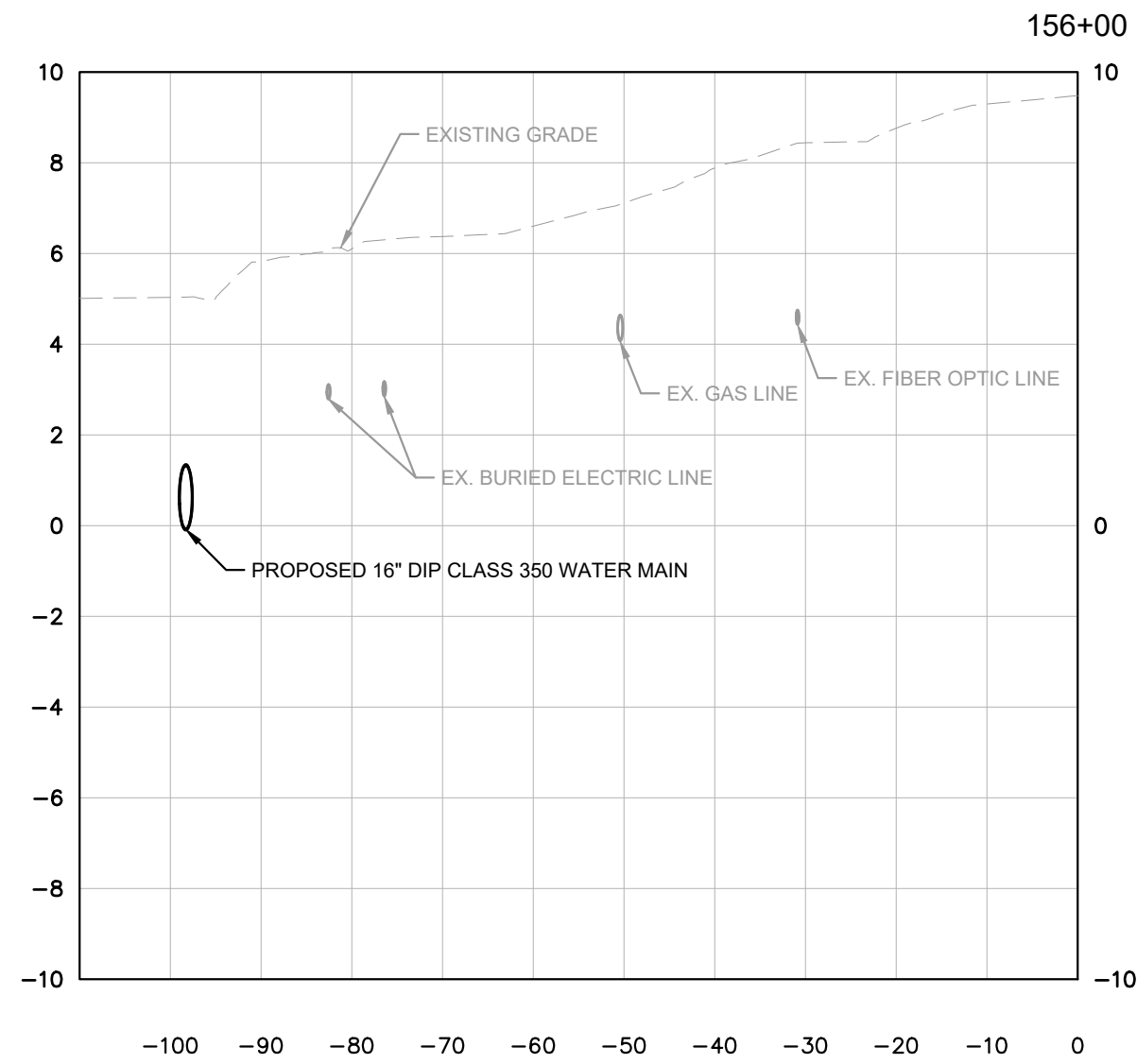
## EAST SECTION VIEWS

SHEET NUMBER

24



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

MANATEE COUNTY

FL

LICENSED PROFESSIONAL

JORDAN W. WALKER, P.E.

FL LICENSE NUMBER  
78652

DATE:

## EAST SECTION VIEWS

SHEET NUMBER

25







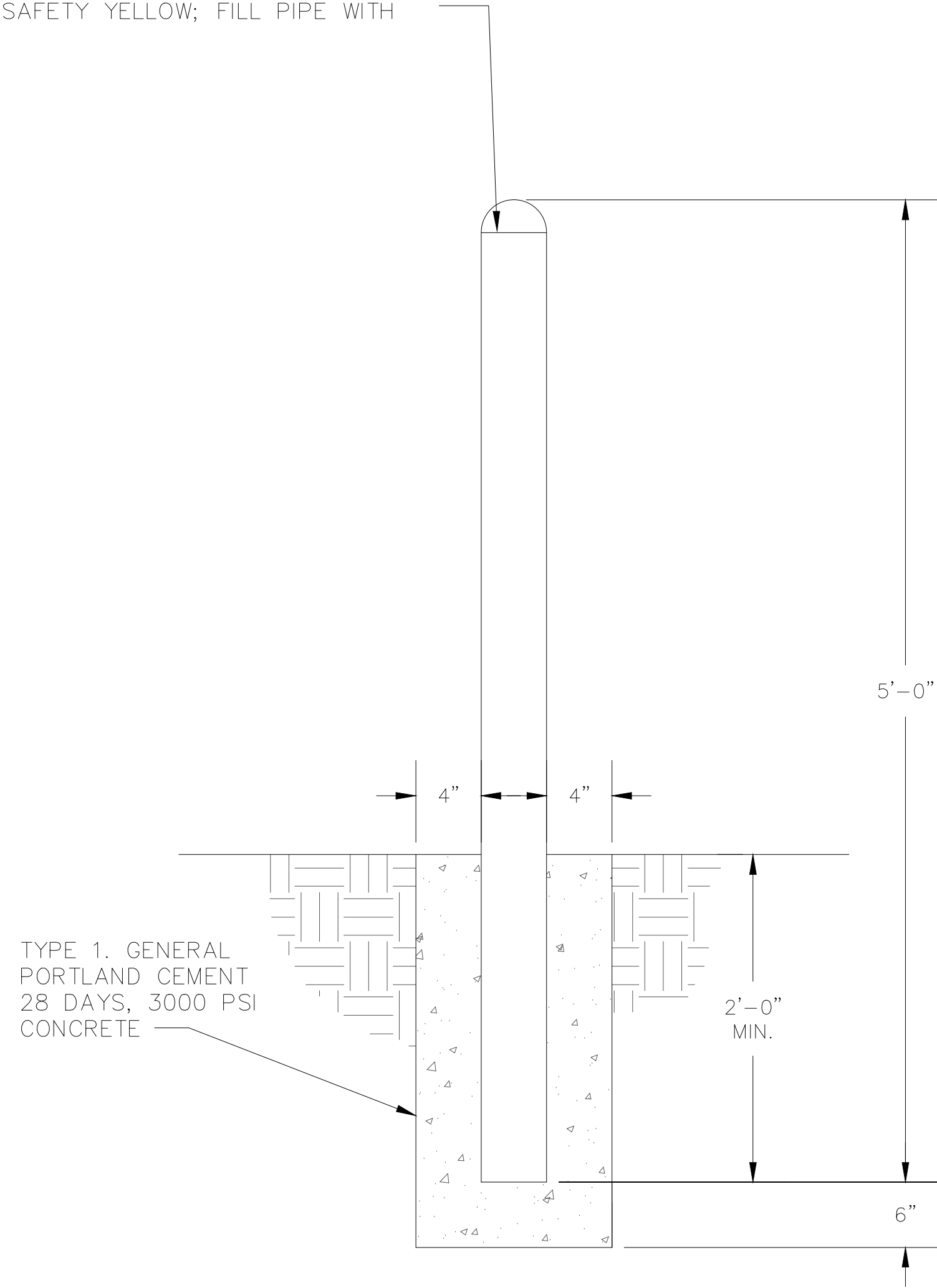








TYPE 1. GENERAL  
PORTLAND CEMENT  
28 DAYS, 3000 PSI  
CONCRETE



BOLLARD POST DETAIL  
N.T.S.

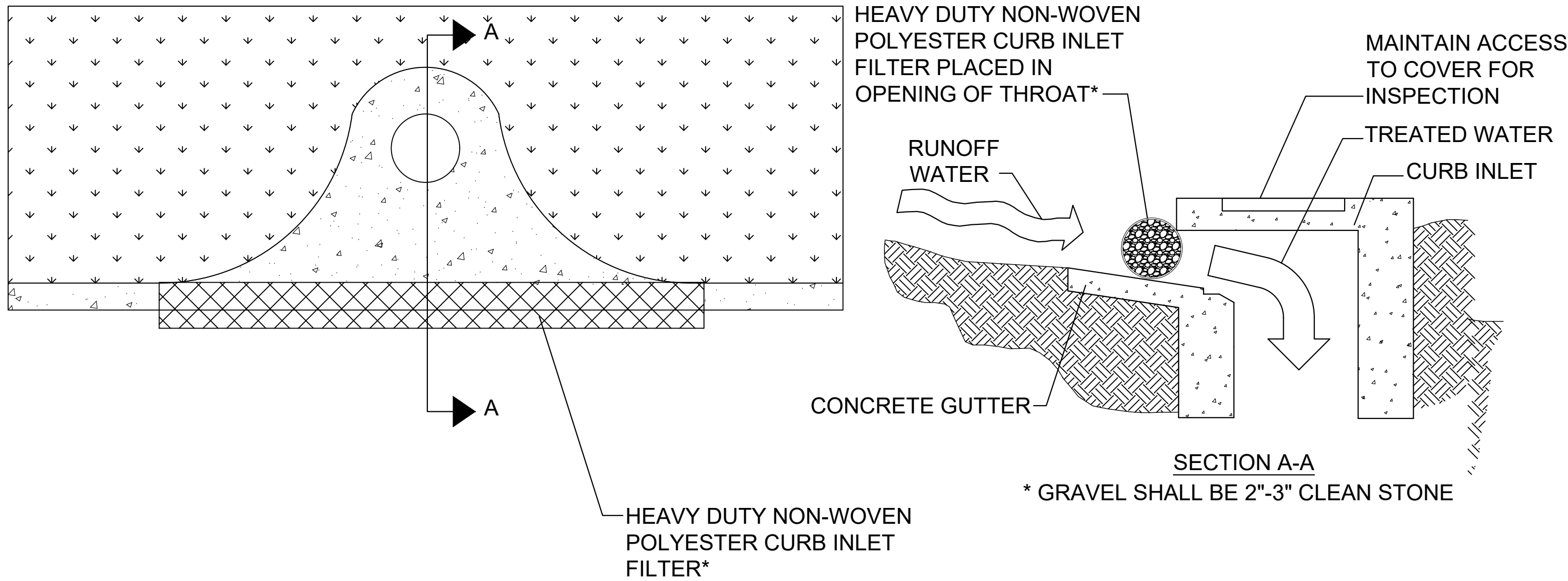
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29

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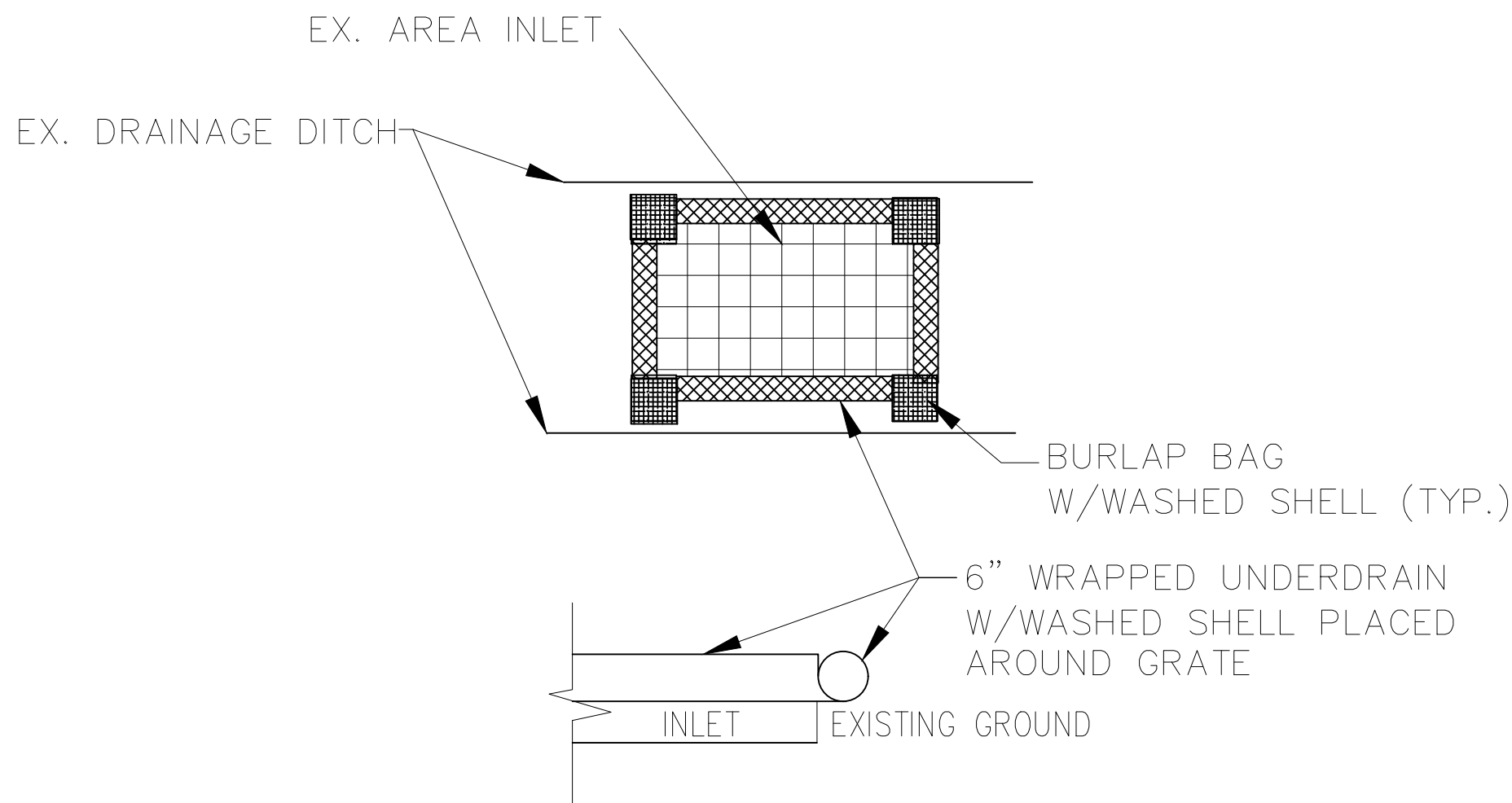
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\*WEIGHTED EROSION EELS MAY BE USED AS AN ALTERNATE

## SOCK DRAIN INLET PROTECTION

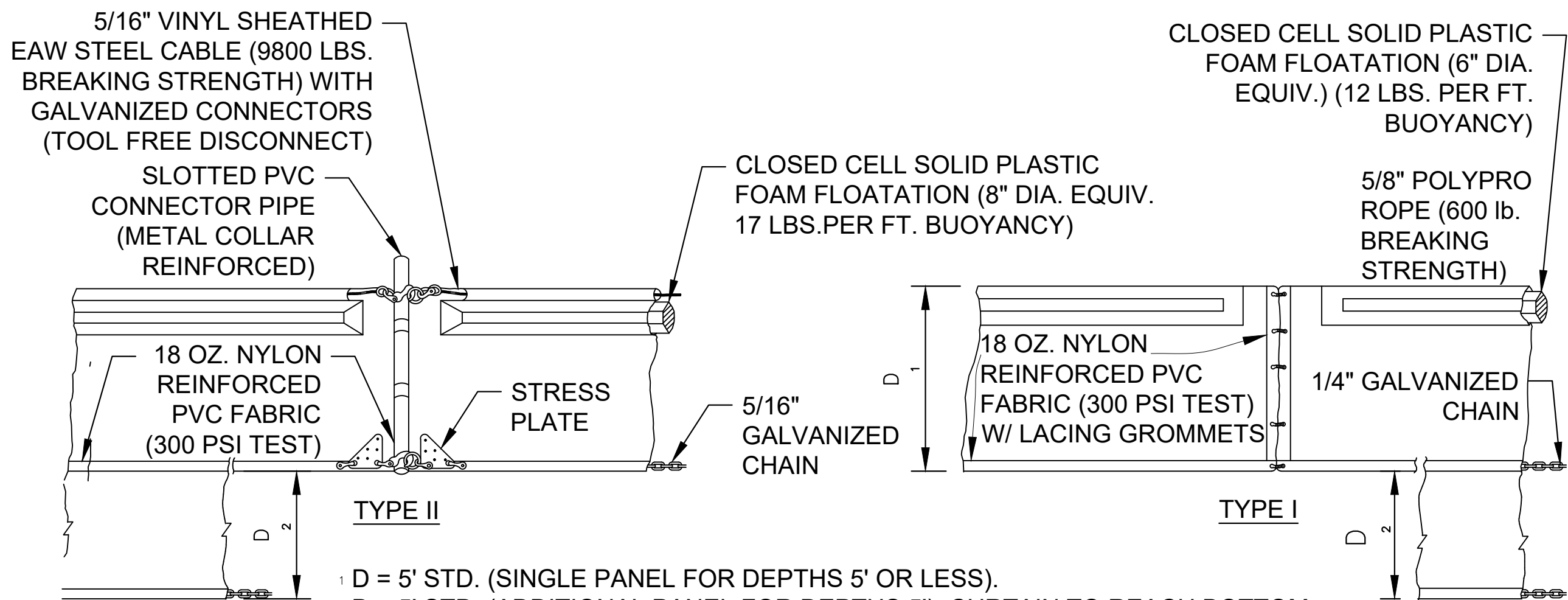
N.T.S.



## COMPLETED INLET

## INLET PROTECTION DETAIL

N.T.S.



- <sup>1</sup> D = 5' STD. (SINGLE PANEL FOR DEPTHS 5' OR LESS).  
<sup>2</sup> D = 5' STD. (ADDITIONAL PANEL FOR DEPTHS 5'). CURTAIN TO REACH BOTTOM UP TO DEPTHS OF 10 FEET. TWO (2) PANELS TO BE USED FOR DEPTHS GREATER THAN 10 FEET UNLESS SPECIAL DEPTH CURTAINS SPECIFICALLY CALLED FOR IN THE PLANS OR AS DETERMINED BY THE ENGINEER.

NOTE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

## FLOATING TURBIDITY BARRIERS

N.T.S.

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 <b>SR 64 (MANATEE AVENUE) WATER MAIN INTRACOASTAL CROSSING</b>	FL

LICENSED PROFESSIONAL  JORDAN W. WALKER, P.E.  FL LICENSE NUMBER 78652
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<b>DETAILS</b>
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SHEET NUMBER  <b>30</b>
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