

LEGEND

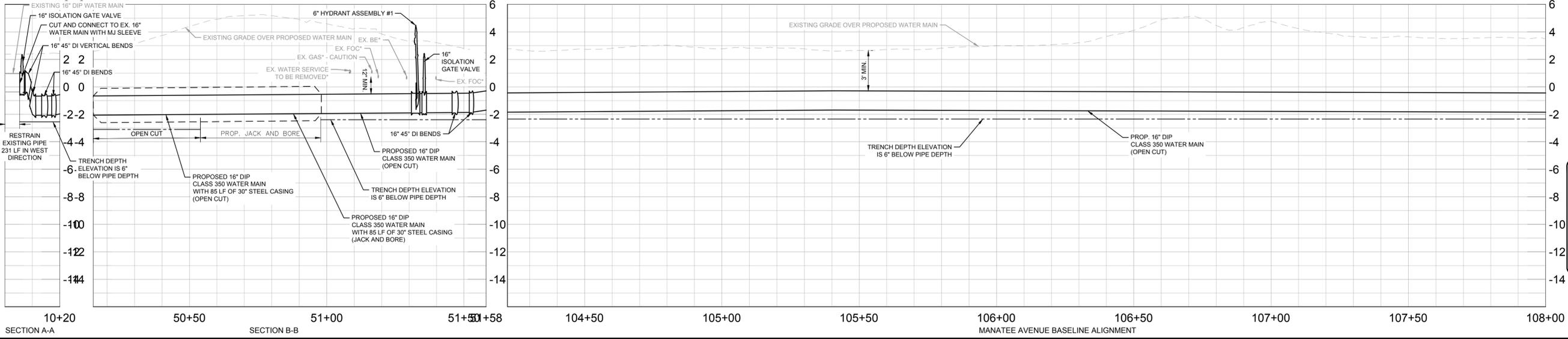
SIDEWALK/CONCRETE DRIVEWAY RESTORATION	[Pattern]
FULL ROADWAY RESTORATION	[Pattern]
MILLING AND RESURFACING	[Pattern]
FDOT BANK RUN SHELL RESTORATION	[Pattern]
DEMO EXISTING	[Pattern]
EXISTING ROADWAY	[Pattern]
FDOT BANK RUN SHELL	[Pattern]
WETLAND IMPACTS	[Pattern]

NOTES:
 THE ELEVATIONS OF THE UTILITIES MARKED WITH AN ASTERISK (*) 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 PIPELINES. CONTRACTOR SHALL INCLUDE IN THE UNIT COST OF THE SUBJECT WATER MAIN CONSTRUCTION, THE COST OF UTILITY ADJUSTMENTS NECESSARY TO ATTAIN DESIGN MINIMUM SEPARATION FOR UTILITIES CONFLICTING WITH THE CONSTRUCTION OF THE PROPOSED WATER MAIN. INTERRUPTIONS OF ANY EXISTING UTILITY SERVICES SHALL BE NOTICED TO EFFECTED CUSTOMERS A MINIMUM OF 48 HOURS IN ADVANCE AND SHALL NOT EXCEED 4 HOURS IN DURATION.

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.

- NOTES:**
- CONTRACTOR SHALL MAINTAIN A MINIMUM OF 12" SEPARATION BETWEEN EXISTING UTILITIES AND PROPOSED UTILITIES
 - CONTRACTOR SHALL RESTRAIN PIPE PER RESTRAIN LENGTHS TABLE ON DETAIL SHEET 26
 - 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)
 - EXISTING GAS LINE AND BURIED ELECTRIC TO BE FIELD LOCATED WHERE NECESSARY PRIOR TO CONSTRUCTION
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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.



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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 [103+00 - 108+00]

SHEET NUMBER
05



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

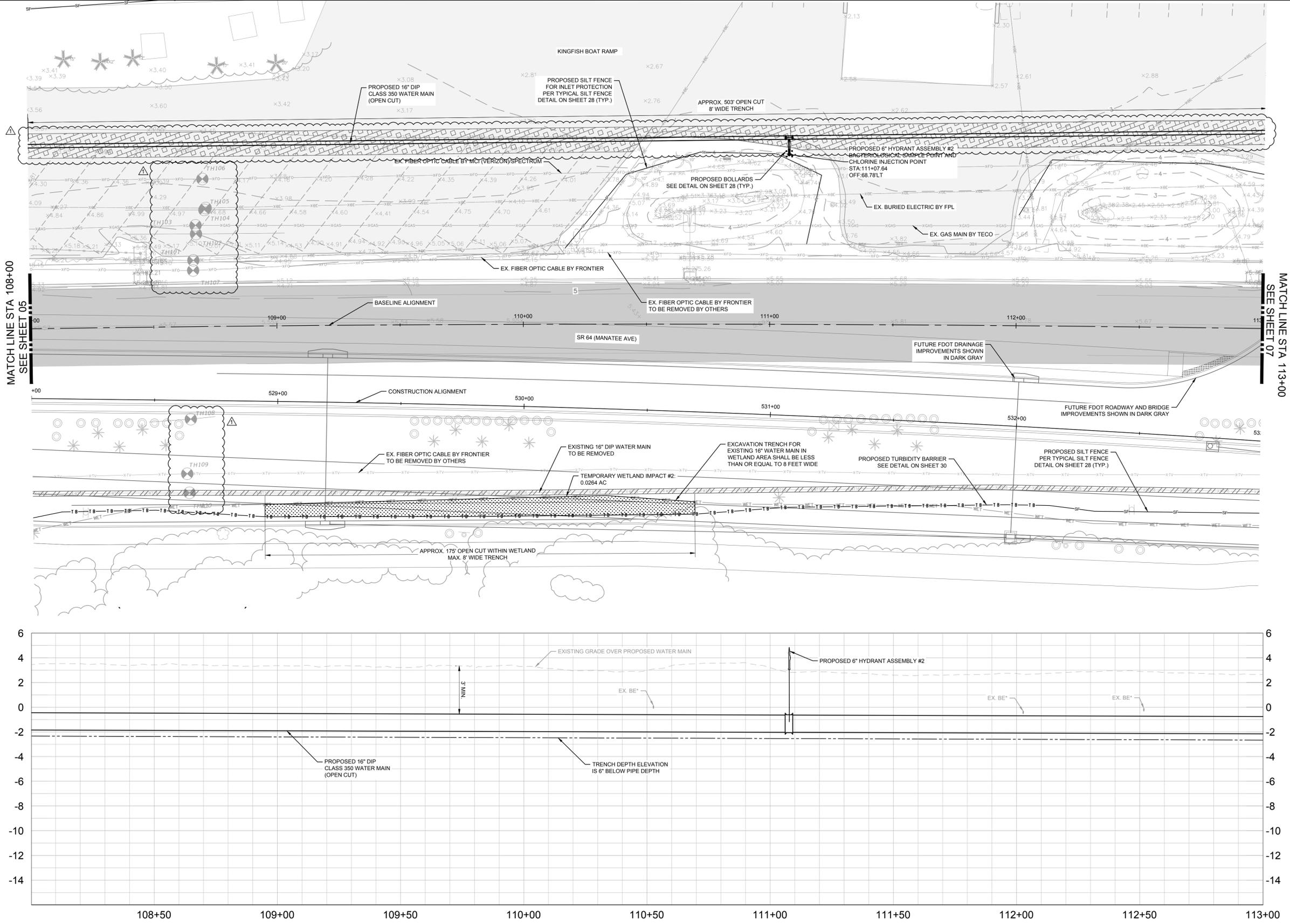
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1	ADDENDUM NO. 1	3/5/2025	JWW

Kimley >> Horn

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

Manatee County

SR 64 (MANATEE AVENUE) WATER MAIN INTRACOASTAL CROSSING

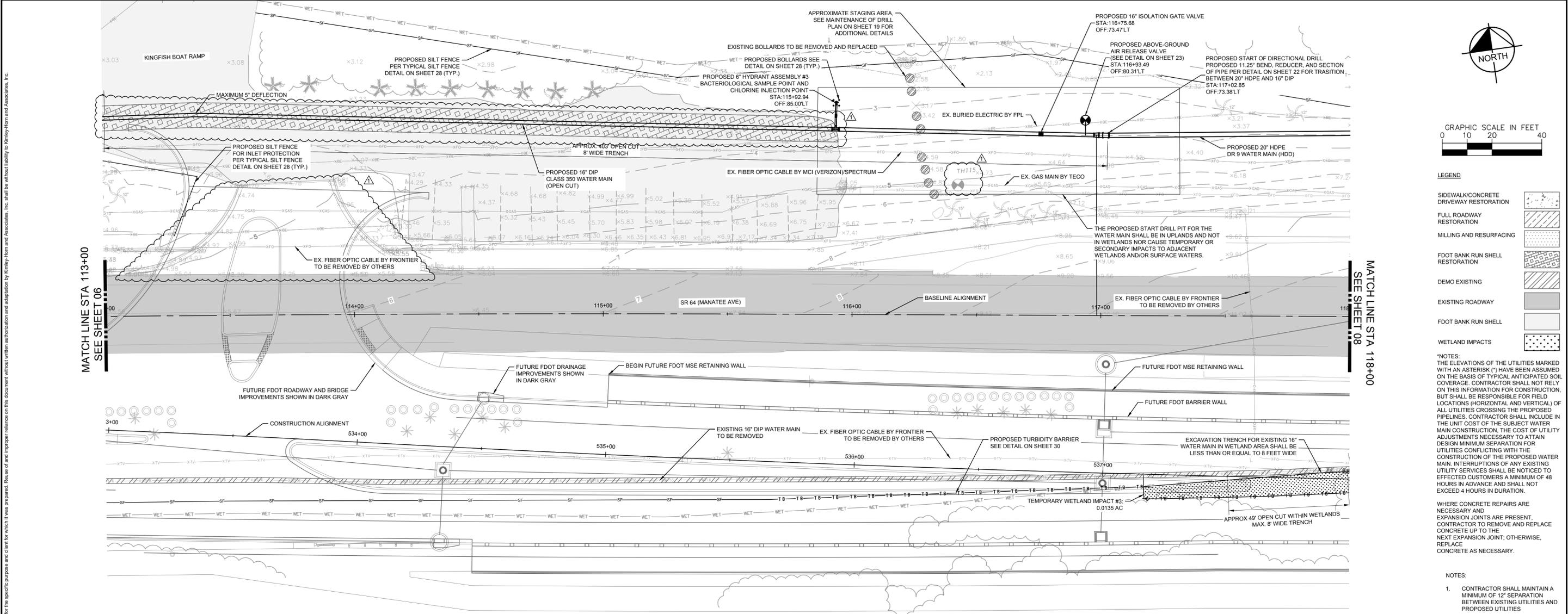
MANATEE COUNTY

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

FL DATE:

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

SHEET NUMBER 06



LEGEND

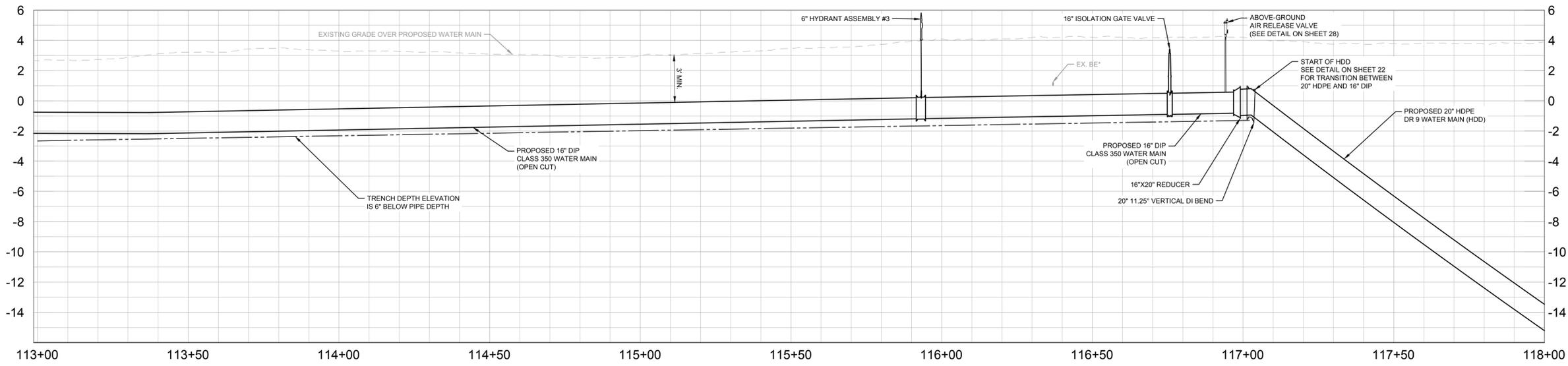
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KHA PROJECT 148400098
 DATE DECEMBER 2024
 SCALE AS SHOWN
 DESIGNED BY JWV
 DRAWN BY ALC
 CHECKED BY KMS

Manatee County FLORIDA

SR 64 (MANATEE AVENUE) WATER MAIN INTRACOASTAL CROSSING

MANATEE COUNTY

LICENSED PROFESSIONAL

JORDAN W. WALKER, P.E.

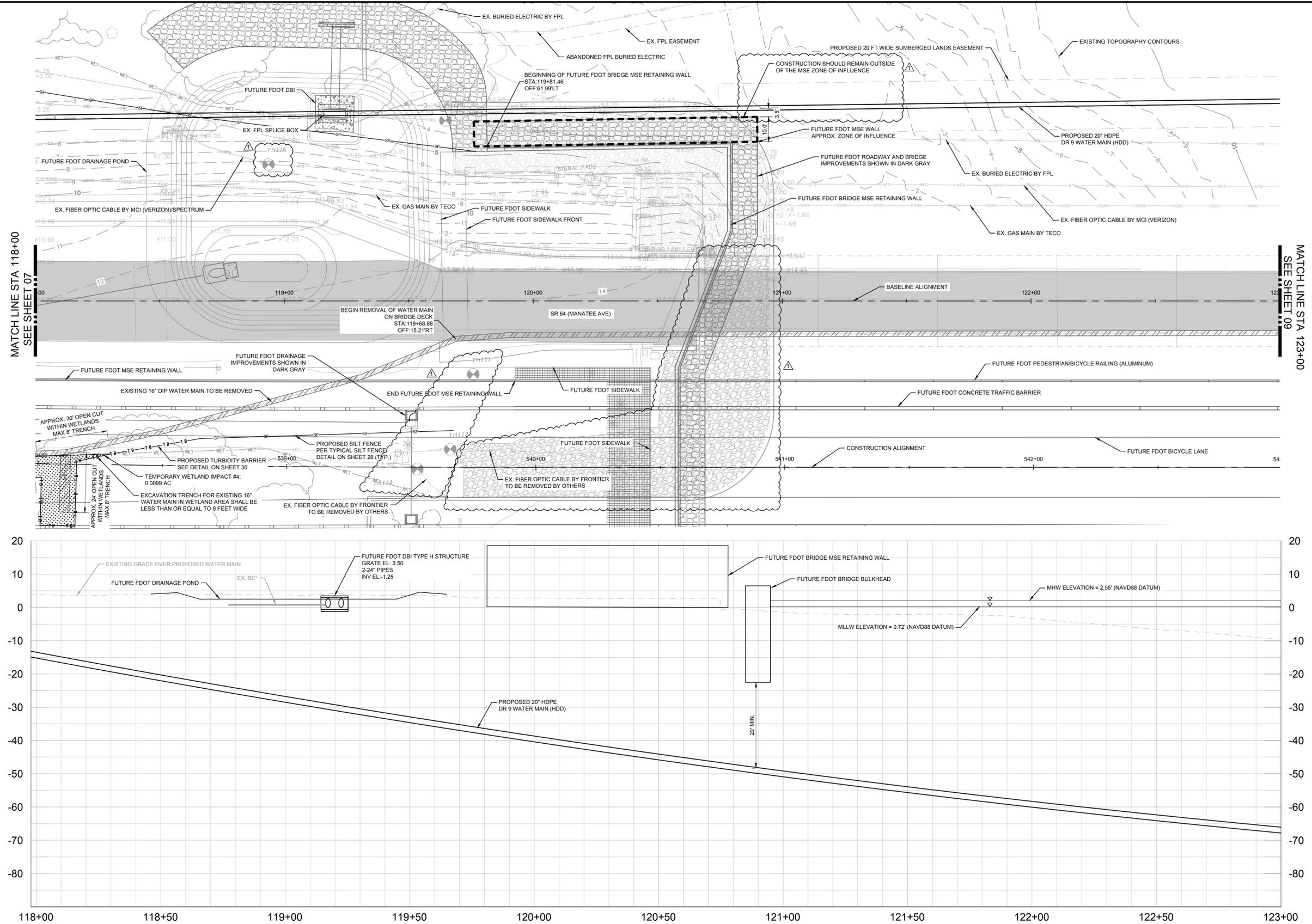
FL LICENSE NUMBER 78652

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

SHEET NUMBER **07**

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FULL ROADWAY RESTORATION	
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	ADDENDUM NO. 1	3/5/2025	JWW

Kimley»Horn
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Manatee County

SR 64 (MANATEE AVENUE) WATER MAIN INTRACOASTAL CROSSING

MANATEE COUNTY

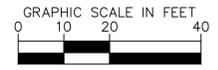
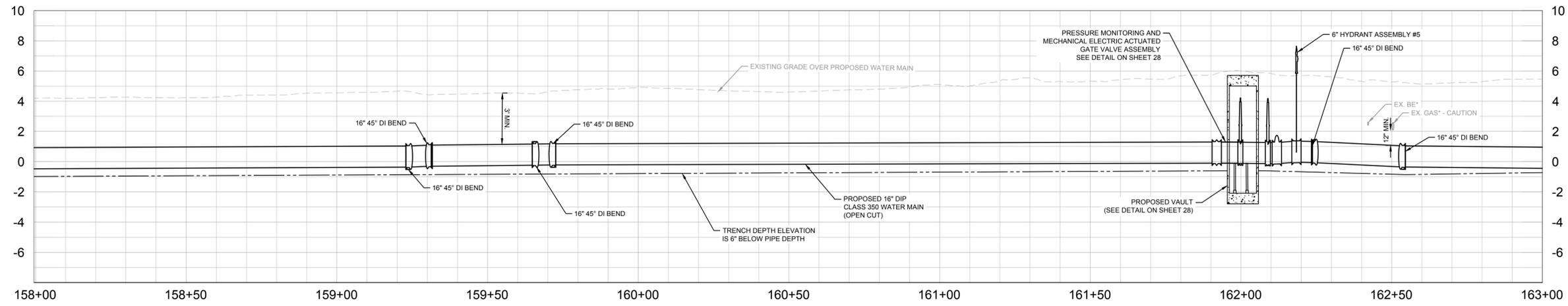
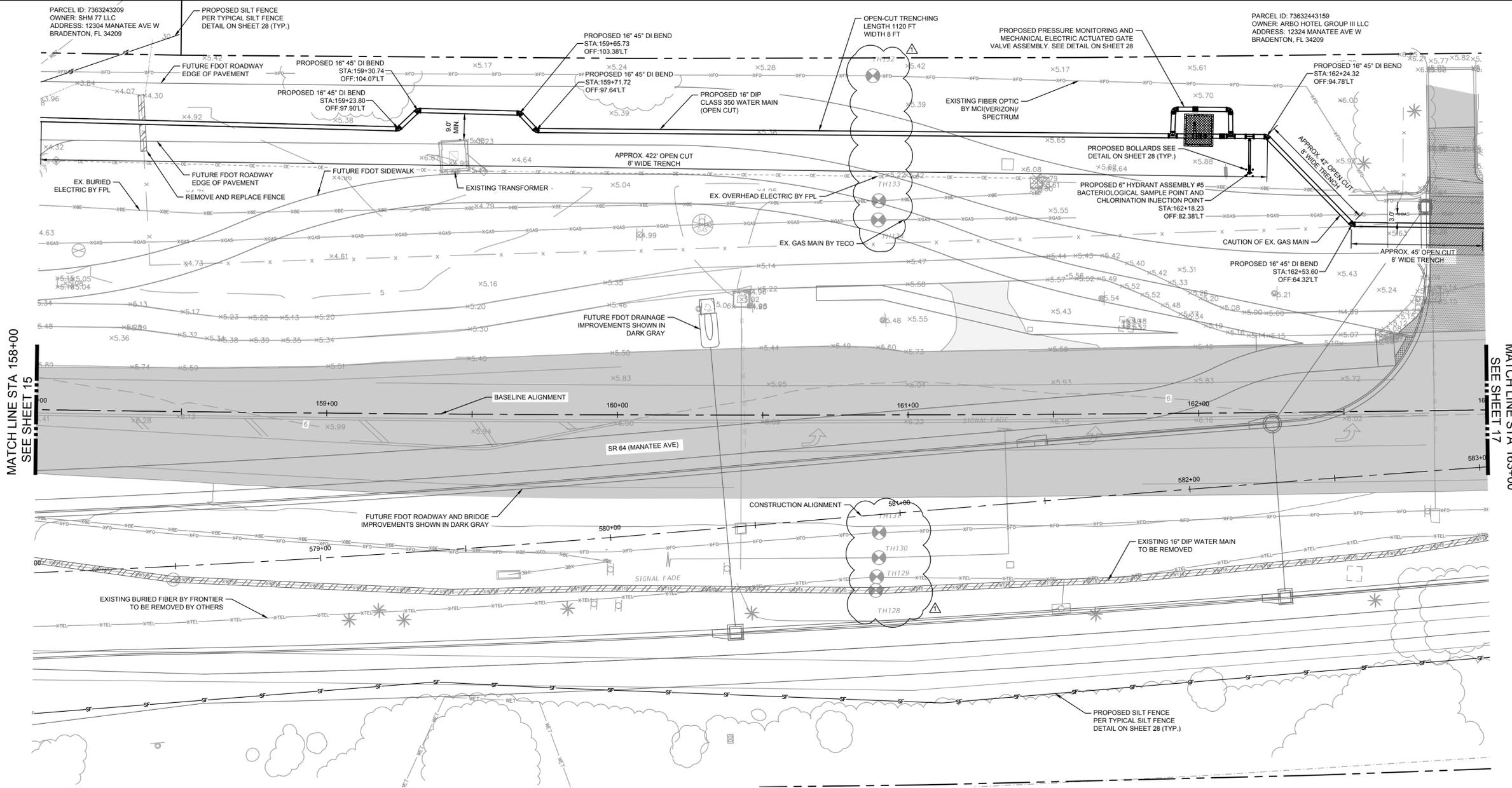
LICENSED PROFESSIONAL
 JORDAN W. WALKER, P.E.
 FL LICENSE NUMBER 78652

FL DATE:

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

SHEET NUMBER

08



LEGEND

[Symbol]	SIDEWALK/CONCRETE DRIVEWAY RESTORATION
[Symbol]	FULL ROADWAY RESTORATION
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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

Manatee County

SR 64 (MANATEE AVENUE) WATER MAIN INTRACOASTAL CROSSING

MANATEE COUNTY

LICENSED PROFESSIONAL

JORDAN W. WALKER, P.E.

FL LICENSE NUMBER
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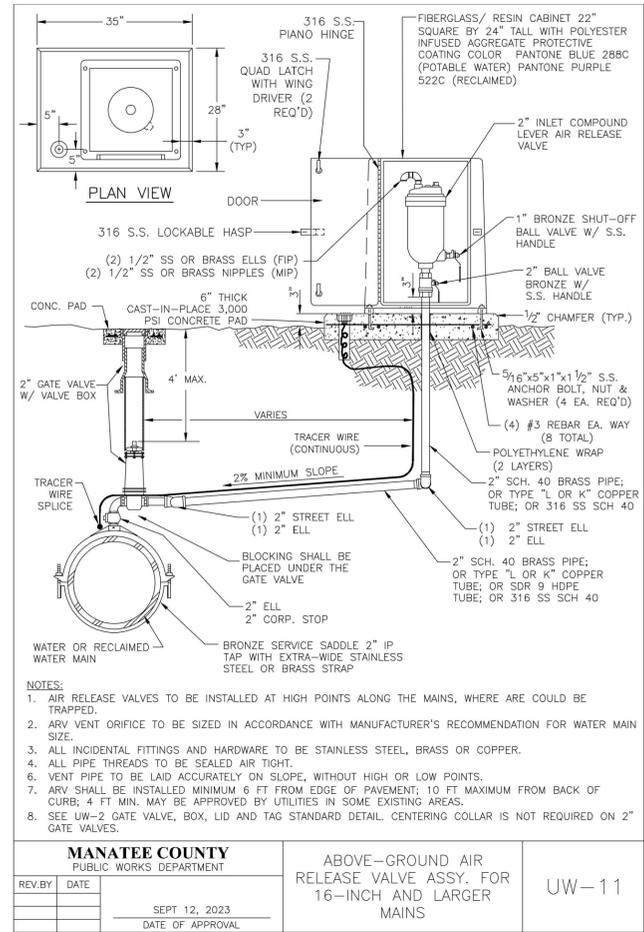
FL DATE:

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

SHEET NUMBER

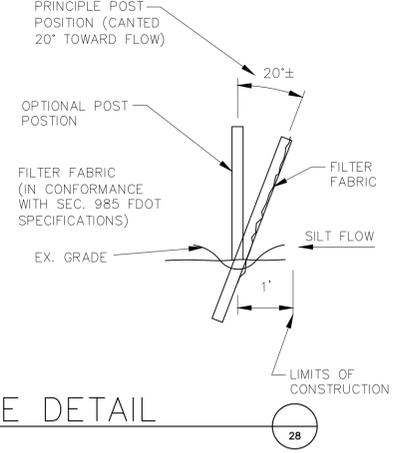
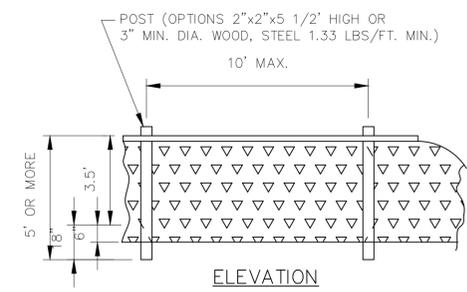
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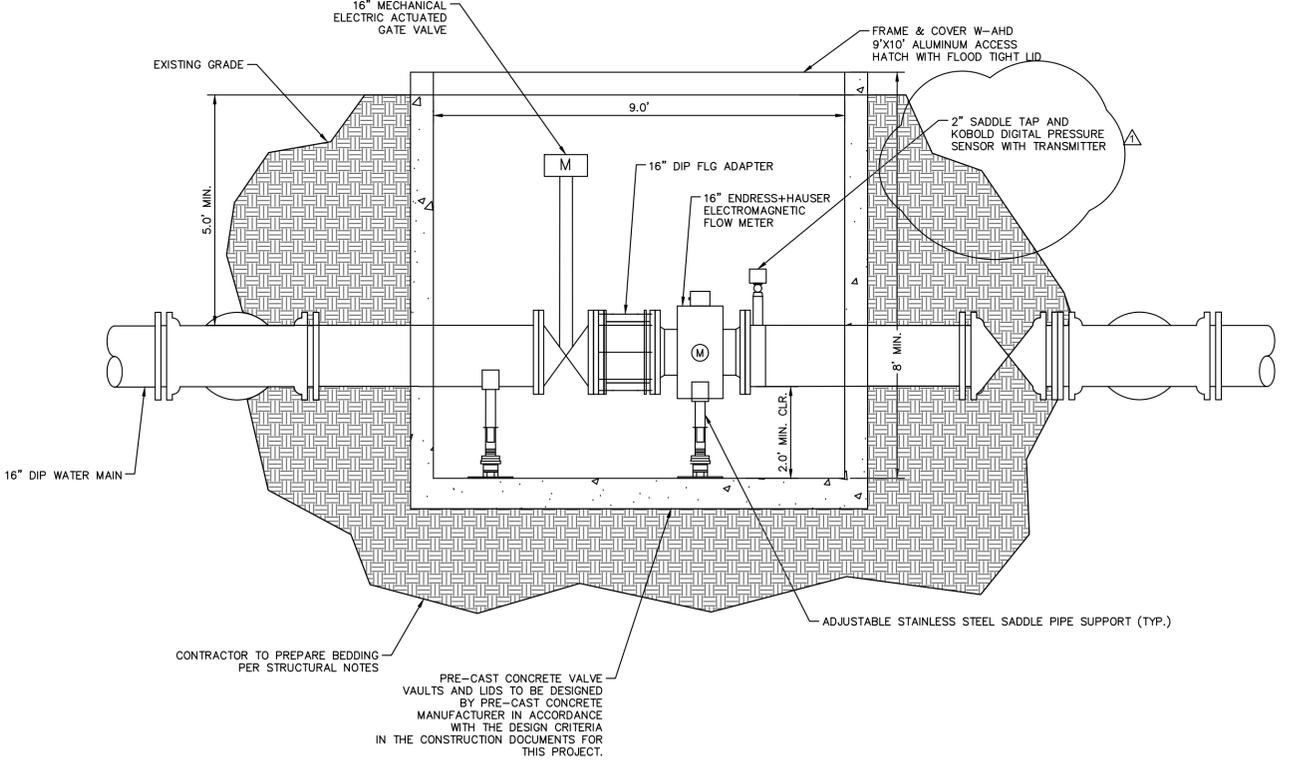
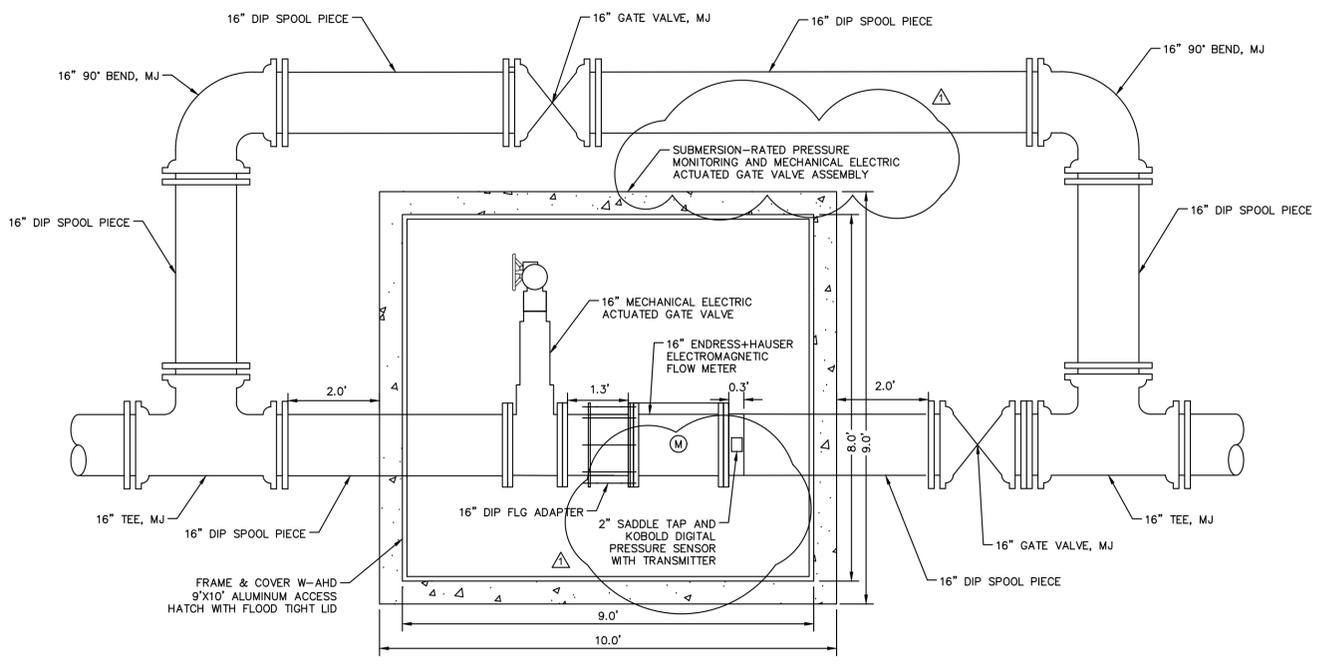
- NOTES:**
- AIR RELEASE VALVES TO BE INSTALLED AT HIGH POINTS ALONG THE MAINS, WHERE ARE COULD BE TRAPPED.
 - ARV VENT ORIFICE TO BE SIZED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION FOR WATER MAIN SIZE.
 - ALL INCIDENTAL FITTINGS AND HARDWARE TO BE STAINLESS STEEL, BRASS OR COPPER.
 - ALL PIPE THREADS TO BE SEALED AIR TIGHT.
 - VENT PIPE TO BE LAID ACCURATELY ON SLOPE, WITHOUT HIGH OR LOW POINTS.
 - ARV SHALL BE INSTALLED MINIMUM 6 FT FROM EDGE OF PAVEMENT; 10 FT MAXIMUM FROM BACK OF CURB; 4 FT MIN. MAY BE APPROVED BY UTILITIES IN SOME EXISTING AREAS.
 - SEE UW-2 GATE VALVE, BOX, LID AND TAG STANDARD DETAIL. CENTERING COLLAR IS NOT REQUIRED ON 2" GATE VALVES.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT		ABOVE-GROUND AIR RELEASE VALVE ASSY. FOR 16-INCH AND LARGER MAINS	UW-11
REV. BY	DATE	SEPT 12, 2023	DATE OF APPROVAL



TYPICAL SILT FENCE DETAIL
N.T.S.

- STRUCTURAL NOTES:**
- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION AND ORDERING EQUIPMENT. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCIES.
 - CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING EQUIPMENT, UTILITIES, STRUCTURES, AND PERSONNEL FROM DAMAGE OR INJURY DURING CONSTRUCTION. STRUCTURAL DRAWINGS SHALL BE WORKED TOGETHER WITH MECHANICAL AND ELECTRICAL DRAWINGS TO PROPERLY LOCATE WALL PIPES, PIPE SLEEVES, ANCHOR BOLTS, BLOCKOUTS, ETC. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD BEFORE PROCEEDING WITH THE WORK.
 - CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT FLOATATION OF STRUCTURES FULLY UNTIL CONSTRUCTED AND BACKFILL IS IN PLACE AND COMPACTED.
 - DESIGN CRITERIA AND LOADS:
ACI 350-CONCRETE SANITARY ENGINEERING STRUCTURES
ACI 318-BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE ASTM C 478-STANDARD SPECIFICATIONS FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS.
DESIGN LIVE LOADS: AASHTO HS-20.
REQUIRED ALLOWABLE SOIL BEARING CAPACITY= 2000 PSF.
CONTRACTOR'S GEOTECHNICAL ENGINEER TO VERIFY PRIOR TO FABRICATION AND CONSTRUCTION.
 - CONCRETE SHALL HAVE A MINIMUM 4000 28-DAY COMPRESSIVE STRENGTH FOR VAULT LID AND MINIMUM COMPRESSIVE STRENGTH PER SPECIFICATIONS FOR SLAB ON GRADE.
 - REINFORCING STEEL SHALL CONFORM TO ASTM 615 GRADE 60.
 - WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
 - CLEARANCE OF REINFORCING STEEL FROM THE FACE OF CONCRETE TO THE OUTERMOST TIE OR BAR SHALL BE 2", UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - REMOVE ALL ORGANIC TOPSOIL, SURFACE VEGETATION, DEBRIS, ETC. A MINIMUM OF 6 INCH LIMEROCK BEDDING COMPACTED TO 98% RELATIVE DENSITY SHALL BE PLACED UNDER THE WET WELL BASE SLABS. DEWATER EXCAVATION DURING WET WELL INSTALLATION. ALL WORK TO BE DONE IN THE "DRY".



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

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Kimley & Horn

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INTRACOASTAL CROSSING**

MANATEE COUNTY

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

DETAILS

FL DATE:

SHEET NUMBER 28
