



# Water Department

## PLANS FOR: YORKSHIRE PROJECT

TAMPA WATER DEPARTMENT  
WORK ORDER NO. :  
**WTR-20-0012**

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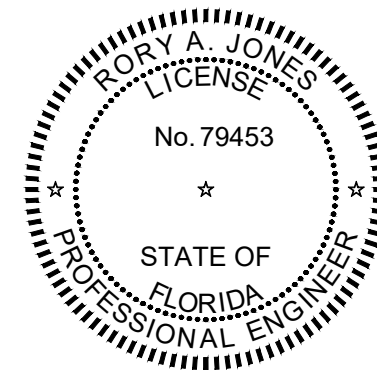
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#### PERMITS

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CONTRACTOR: DALLAS 1

YORKSHIRE PROJECT

COVER SHEET

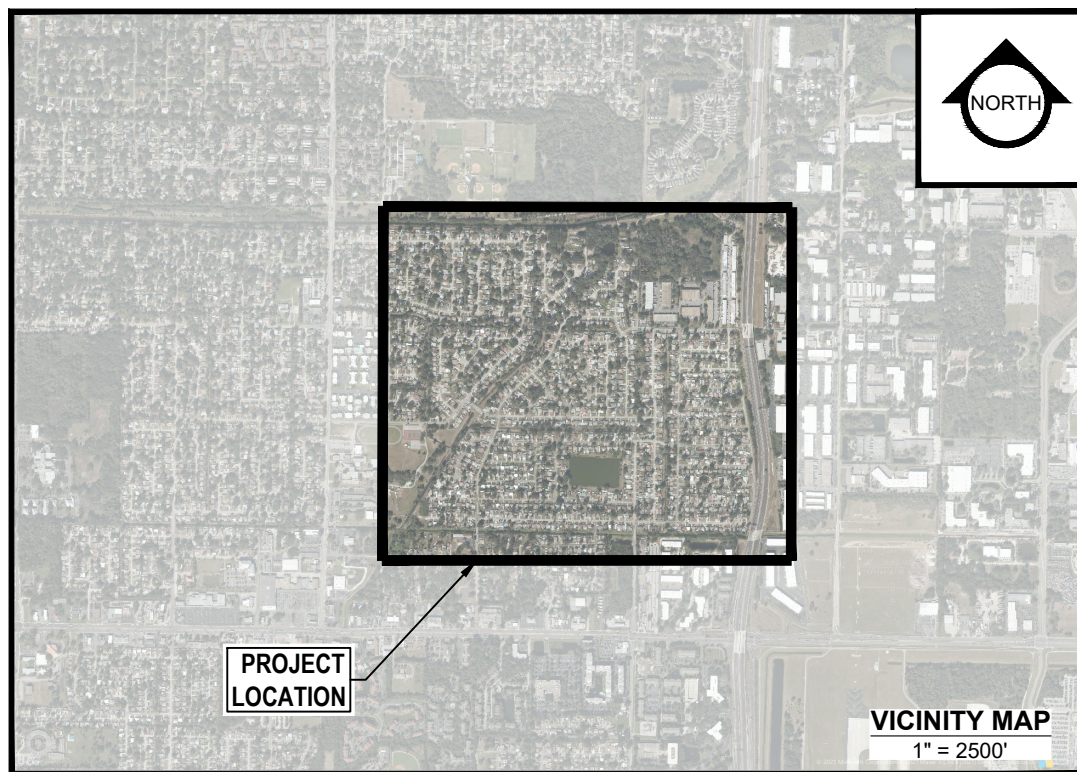
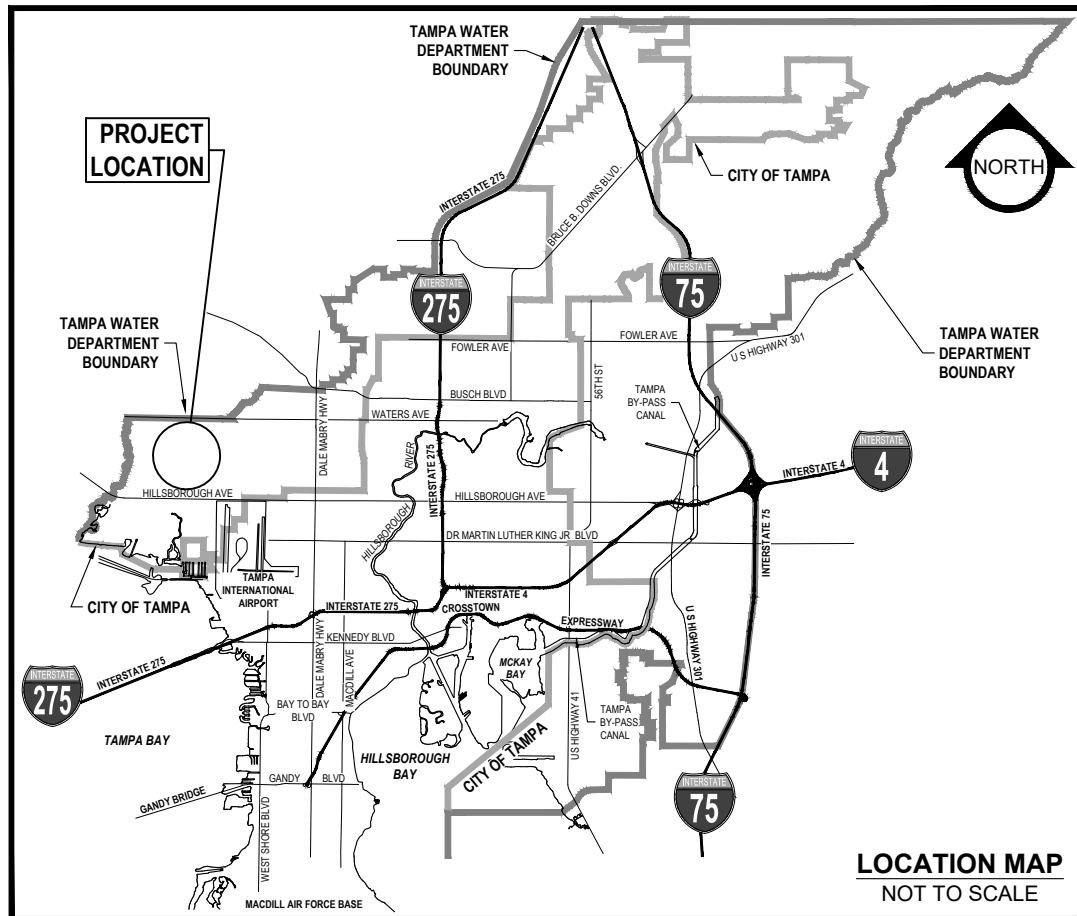


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WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

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CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

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# CITY OF TAMPA NOTES

## GENERAL

- ALL WATER WORK FOR THE CITY OF TAMPA (CITY) SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT'S TECHNICAL SPECIFICATIONS, CONSTRUCTION DETAILS, AND THE TAMPA WATER DEPARTMENT TECHNICAL MANUAL (LATEST EDITION). IN THE EVENT OF A DISCREPANCY, THE MOST STRINGENT CRITERIA SHALL APPLY.
- THE CONTRACTOR SHALL NOT TAP ANY WATER MAIN WITHOUT A CITY INSPECTOR PRESENT. THE CONTRACTOR SHALL PROVIDE NOTICE TO THE CITY INSPECTOR AT A MINIMUM OF 5 WORKING DAYS PRIOR TO NECESSARY WORK AND COORDINATE PERFORMANCE OF TAP WITH THE CITY INSPECTOR.
- NORMAL WORKING HOURS SHALL BE WEEKDAYS FROM 7:30 AM TO 4:00 PM UNLESS OTHERWISE APPROVED BY THE ENGINEER/INSPECTOR.
- ELEVATION INFORMATION SHOWN ON THESE PLANS IS REFERENCED TO N.A.V.D. 1988 UNLESS OTHERWISE STATED.
- CONSTRUCTION OF WATER FACILITIES SHALL BE COORDINATED WITH THE WATER DEPARTMENT PRIOR TO THE START OF THE CONSTRUCTION. CONTRACTOR TO CONTACT CITY OF TAMPA CONTRACT ADMINISTRATION DEPARTMENT @ 813-635-3432 TO COORDINATE/SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE CITY FOR REVIEW OF INSTALLATION TECHNIQUES AND PROCEDURES A MINIMUM OF 10 WORKING DAYS PRIOR TO THE PLANNED CONSTRUCTION.
- EXISTING UTILITIES, BUILDINGS, GROUND ELEVATIONS, AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE. ALL CONDITIONS, DIMENSIONS, AND QUANTITIES AFFECTING REQUIRED WORK SHALL BE VERIFIED BY CONTRACTOR BEFORE BEGINNING WORK OR ORDERING MATERIALS.
- VALVES ON EXISTING PUBLIC WATER MAINS TO BE OPERATED BY CITY PERSONNEL ONLY.
- ALL PROPOSED WATER LINES SHALL BE MANUFACTURED AND INSTALLED PER THE STANDARDS OF THE AMERICAN WATER WORKS ASSOCIATION (AWWA) AS PRESCRIBED BY FAC-62-555.320.
- SHOP DRAWINGS SHALL BE SUBMITTED AND APPROVED BY THE CITY FOR ALL PROPOSED ITEMS. ALL SUBMITTALS AND SHOP DRAWINGS SHALL BE HIGH QUALITY PDF DOCUMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR RESTRAINING ALL EXISTING PIPE NECESSARY TO MAINTAIN A SAFE CONSTRUCTION AREA AND PERFORM THE WORK SHOWN IN THE PLANS. EXISTING PIPE REQUIRING RESTRAINTS SHALL UTILIZE EXTERIOR BELL RESTRAINTS.
- THE CONTRACTOR SHALL DEWATER ANY EXCAVATION OR TRENCH TO MAINTAIN A SAFE WORK ENVIRONMENT AND TO ABIDE BY AWWA INSTALLATION STANDARDS. DEWATERING IS AT THE EXPENSE OF THE CONTRACTOR.

## PERMITS

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY RIGHT-OF-WAY PERMITS AND ROADWAY CLOSURES ASSOCIATED WITH THE WORK SHOWN IN THE PLANS.
- IN ORDER TO OBTAIN ROADWAY CLOSURES OR RIGHT-OF-WAY PERMITS, AT MINIMUM, THE CONTRACTOR MUST SUBMIT DETAILED MAINTENANCE OF TRAFFIC (MOT) PLANS ALONG WITH APPLICATIONS TO THE APPROPRIATE AGENCY. THE MOT(S) SHALL CONFORM TO APPLICABLE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DRAWINGS (MOST CURRENT EDITION). THE GOVERNING AGENCIES MAY REQUIRE ADDITIONAL INFORMATION AND DICTATE SPECIFIC WORK TIME DURING NON-PEAK TRAFFIC HOURS.

## PIPE CLEARANCES

- ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 36 INCHES AND SHALL MAINTAIN A MINIMUM OF THREE (3) FEET HORIZONTAL SEPARATION FROM OTHER UTILITIES, EXCEPT STORM, SANITARY, AND GAS, WHICH SHALL MAINTAIN TEN (10) FEET HORIZONTAL SEPARATION, UNLESS OTHERWISE NOTED.
- WATER MAIN SHALL CROSS ABOVE OTHER PIPES. WHEN WATER MUST BE BELOW, PROVIDE 12" MINIMUM VERTICAL SEPARATION UNLESS OTHERWISE NOTED.
- CENTER ONE FULL JOINT OF PIPE UNDER/OVER ALL SANITARY, STORM, OR RECLAIMED PIPE CROSSINGS.

## MATERIAL

- ALL VALVES SHALL BE RIGHT HAND OPEN.
- POLYWRAP ALL DUCTILE IRON PIPE (D.I.P) FITTINGS AND APPURTENANCES.
- ALL HARDWARE SHALL BE 304 STAINLESS STEEL, UNLESS OTHERWISE NOTED.
- ALL BELOW GROUND BENDS SHALL BE MECHANICAL JOINT (M.J).
- RESTRAIN ALL JOINTS AND FITTINGS.
- CONCRETE THRUST BLOCKS SHALL NOT BE USED TO PROVIDE THRUST RESTRAINT. RESTRAINT OF PUSH-ON DIP (OTHER THAN FOR FITTINGS & VALVES) SHALL BE WITH APPROVED PUSH-ON "GRIPPER-TYPE" RESTRAINTS. FITTINGS AND VALVES SHALL BE CONNECTED TO PIPE WITH MEGALUGS, OR APPROVED EQUAL.
- ALL POTABLE WATER SERVICE LATERAL, AIR RELEASE VALVES, AND TEMPORARY SAMPLE POINTS SHALL BE CONSTRUCTED OF BLUE SDR-9 HIGH DENSITY POLYETHYLENE (HDPE) TUBING. ALL HDPE TUBING SHALL BE INSTALLED WITHIN A CASING AS DEFINED IN THE SPECIFICATIONS AND DETAILS.

## TESTING

- ALL COMPONENTS OF THE WATER SYSTEM, INCLUDING FITTINGS, HYDRANTS, CONNECTIONS, AND VALVES SHALL BE PROPERLY PRESSURE TESTED, WITNESSED AND ACCEPTED BY THE CITY. PRESSURE TESTS TO BE PERFORMED IN ACCORDANCE WITH WATER DEPARTMENT SPECIFICATIONS. CONTRACTOR TO NOTIFY THE ASSIGNED CITY INSPECTOR A MINIMUM OF THREE (3) WORKING DAYS IN ADVANCE OF PERFORMING TESTS. CONTRACTOR SHALL PRESSURE TEST WATER MAINS AT A MINIMUM OF 150 PSI FOR A PERIOD OF 2 HOURS IN ACCORDANCE WITH AWWA C600-87 STANDARDS. THE CONTRACTOR SHALL MAKE ALL NECESSARY APPLICATIONS AND ARRANGEMENTS.
- ALL SAMPLE, PRESSURE TEST, AND CHLORINATION POINT PIPING SHALL BE COMPLETELY REMOVED PRIOR TO FINAL ACCEPTANCE. THE CORPORATION STOP SHALL BE CLOSED AND PLUGGED AT THE MAIN.
- CONTRACTOR SHALL PERFORM CHLORINATION AND HIRE INDEPENDENT FIRMS TO CONDUCT BACTERIOLOGICAL TESTING AS DEFINED IN F.A.C. 62-555.340. CONTRACTOR TO SUPPLY THE CITY WITH AS-BUILTS AND SAMPLE RESULTS NECESSARY TO OBTAIN DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) CLEARANCES.

## RESTORATION

- ROADWAY RESTORATION SHALL BE IN CONFORMANCE WITH CORRESPONDING JURISDICTION'S LATEST STANDARDS.
- DISTURBANCE TO ANY PROPERTY, PUBLIC OR PRIVATE, SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.

## PROJECT SPECIFIC NOTES

- ±40' OF 12" AC WM TO BE CUT, PLUGGED AND REMOVED AT THE CANAL (AERIAL CROSSING) LOCATED ALONG W IDLEWILD AVENUE IN BETWEEN AXELROD ROAD AND YORKSHIRE ROAD.
- THE CONTRACTOR SHALL COMPLY WITH ALL REGULATIONS, CODES AND STANDARDS FOR THE REMOVAL AND ABATEMENT OF ASBESTOS CEMENT (AC) PIPE. THESE SHALL INCLUDE, BUT ARE NOT LIMITED TO:
  - TITLE 29, CODE OF FEDERAL REGULATIONS, SECTION 1910.134 AND 1926.1101. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), US DEPARTMENT OF LABOR.
  - TITLE 40, CODE OF FEDERAL REGULATIONS, PART 61, SUBPARTS A AND M, NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS. US ENVIRONMENTAL PROTECTION AGENCY (EPA).
  - STATE OF FLORIDA'S ADMINISTRATION CODE 62-204.800. US EPA NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAPS) ASBESTOS REGULATIONS (40 CFR 61, SUBPART M).
  - STATE OF FLORIDA, CHAPTER 62-257, FLORIDA ADMINISTRATIVE CODE.
  - FLORIDA STATUTES, CHAPTER 469, LICENSING REQUIREMENTS (EXEMPTIONS 469.002).
  - STATE OF FLORIDA, CITY OF TAMPA CODES AND ORDINANCES AS APPLICABLE.

## LEGEND

EXISTING		PROPOSED
	ASPHALT PAVEMENT	
	CONCRETE PAVEMENT	
	PAVERS	
	BASE LINE (SURVEY LINE)	
	CENTER LINE	
	R/W LINE	
	PROPERTY LINE	
	ADJACENT PROPERTY LINE	
	BENCHMARK & NUMBER	
	TEMPORARY BENCHMARK & NUMBER	
	EASEMENT LINE	
	GAS MAIN	
	STORM SEWER	
	SANITARY SEWER	
	SANITARY FORCE MAIN	
	ELECTRIC CABLE	
	TELEPHONE CABLE	
	TELEVISION CABLE	
	WATER MAIN	
	RECLAIMED WATER MAIN	
	FIRE HYDRANT ASSEMBLY (INCL. VALVE & TEE)	
	WATER VALVE	
	DETECTOR CHECK VALVE	
	DOUBLE DETECTOR CHECK VALVE - IN VAULT	
	DOUBLE DETECTOR CHECK VALVE - ABOVE GROUND	
	VAULT	
	CASING PIPE (JACK & BORE)	
	WATER METER	
	RECLAIMED WATER METER	
	METER TO BE TRANSFERRED	
	BACK FLOW PREVENTER	
	WET TAP	
	SLEEVE, BEND, TEE, CROSS, PLUG, REDUCER, BLOW-OFF	
	SAMPLE TAP LOCATION	
	CHLORINE INJECTION POINT	
	ELECTRIC MANHOLE OR PULL BOX, POLE	
	TELEPHONE MANHOLE OR UTILITY BOX, POLE	
	MANHOLE - SANITARY, STORM	
	VALVE	
	SANITARY LATERAL WITH DEPTH AT R/W LINE	
	STORM GRATE, CURB INLET	
	STORM PIPE CULVERT WITH HEADWALL, MITERED END SECTION	
	GUY POLE, GUY POLE AND WIRE	
	COMBINATION POLE, LIGHT POLE	
	MAILBOX	
	SIGN	
	PINE, TREE, PALM, OAK	
	ROOT PRUNE	
	SHRUB, HEDGE	
	WOODS/HEAVY BRUSH	
	SPOT ELEVATIONS	

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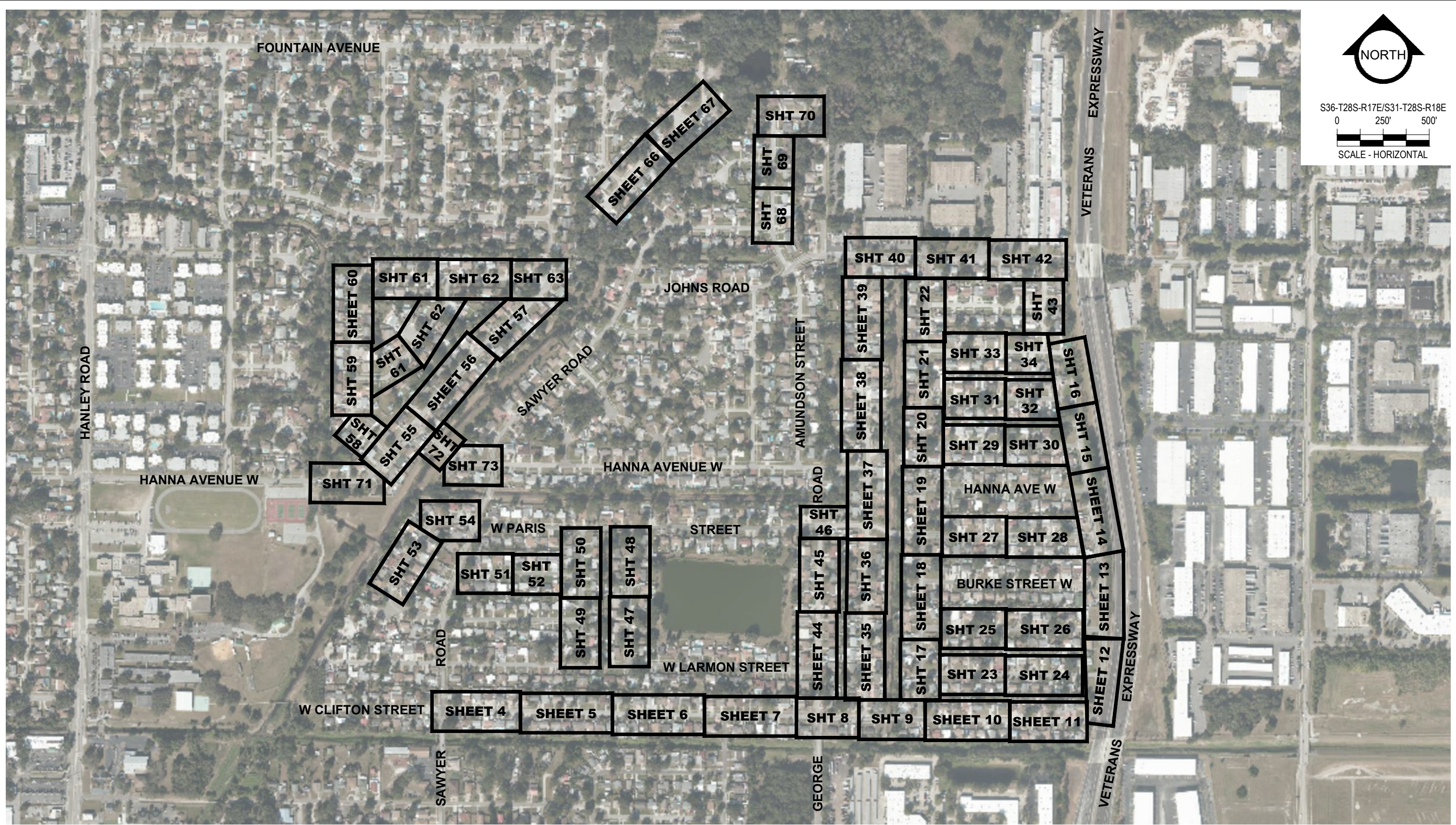
YORKSHIRE PROJECT

GENERAL NOTES-LEGEND



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S36-T28S-R17E/S31-T28S-R18E  
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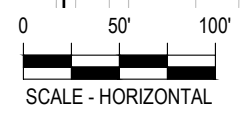
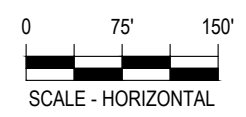
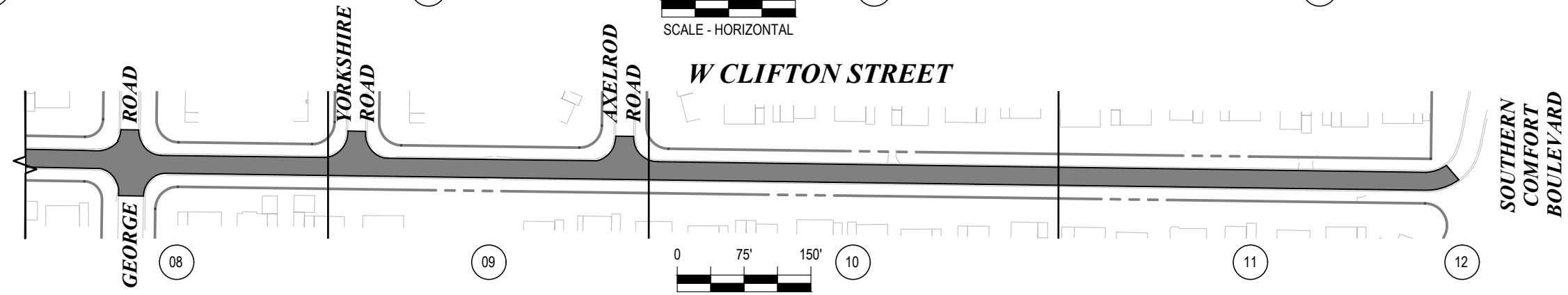
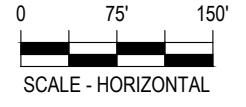
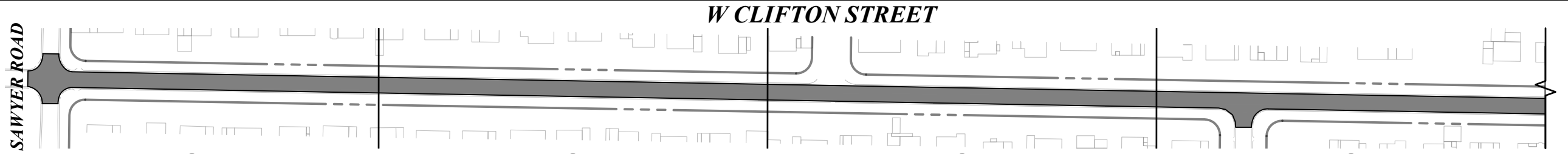
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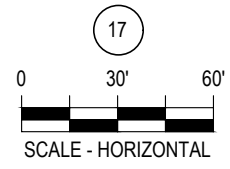
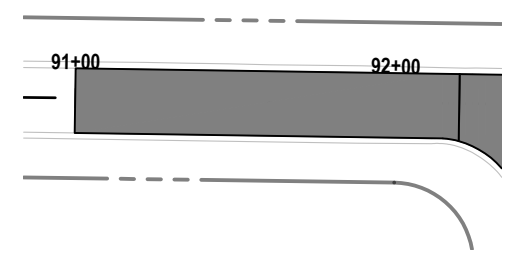


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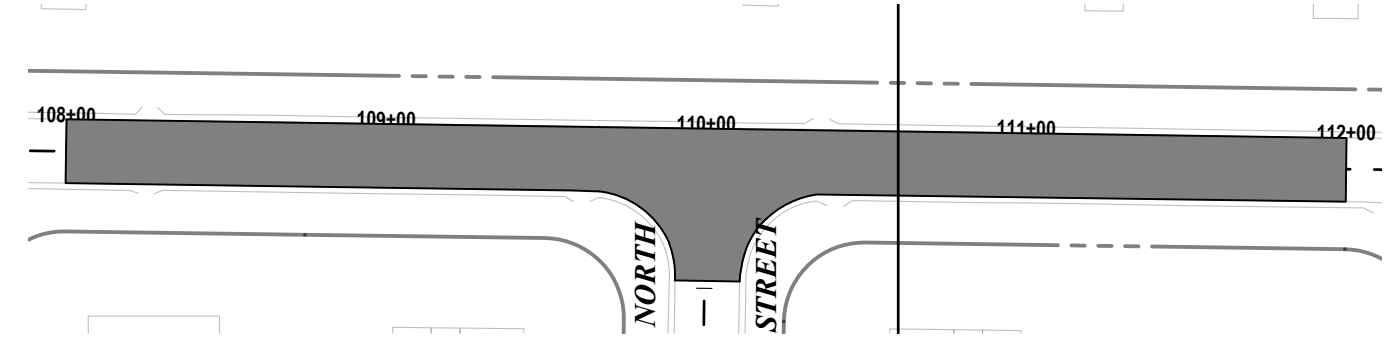
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**AXELROD ROAD (STA. 91+00 - 92+20)**



**AXELROD ROAD (STA. 108+00 - 112+00)**



	MILL & OVERLAY
	SHEET NUMBER

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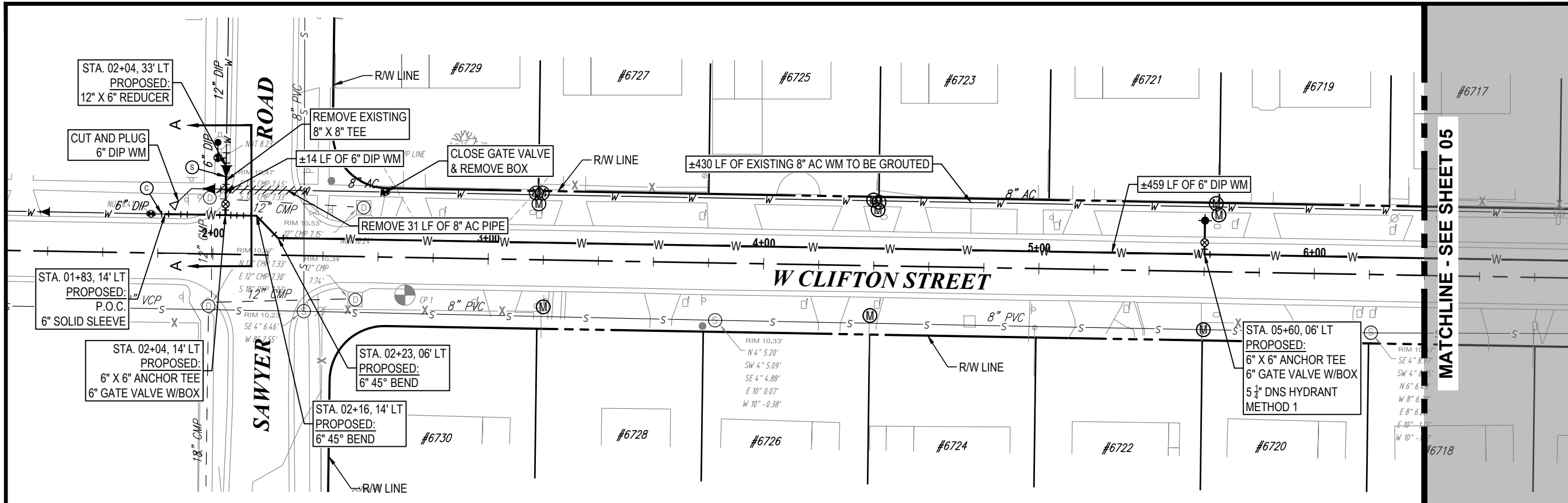
YORKSHIRE PROJECT

MILL & OVERLAY



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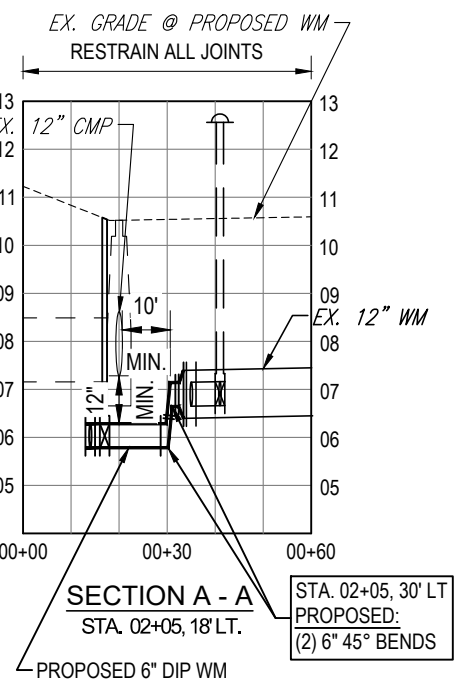
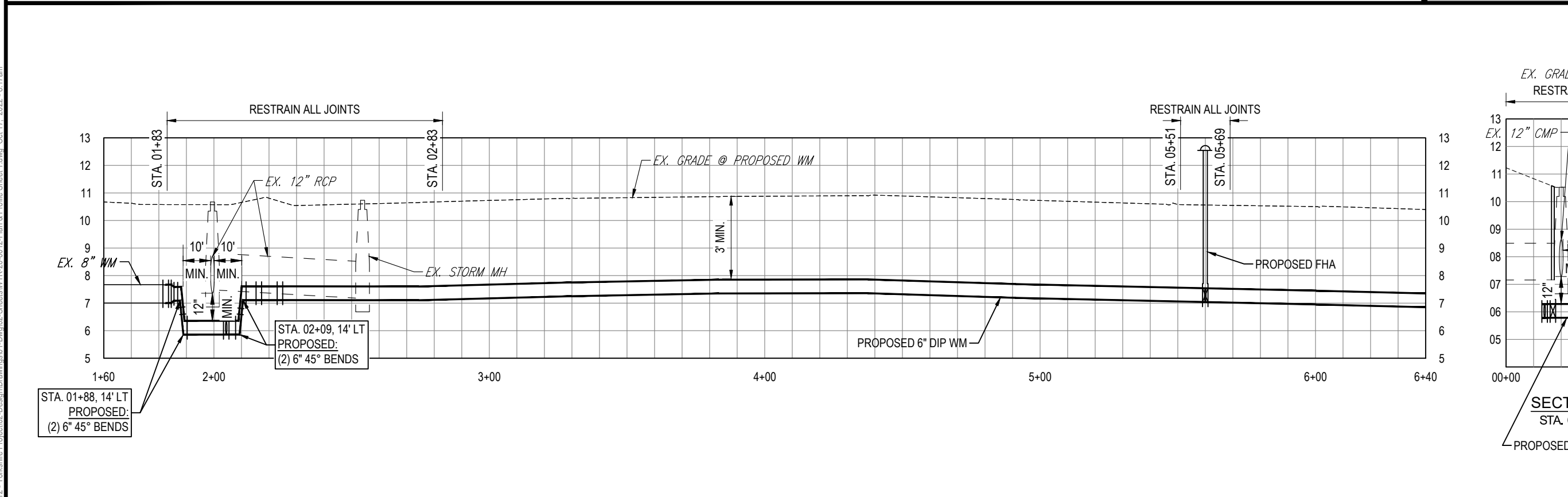


**NORTH**

S36-T28S-R17E/S31-T28S-R18E  
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SCALE - HORIZONTAL

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SCALE - VERTICAL

KEY MAP



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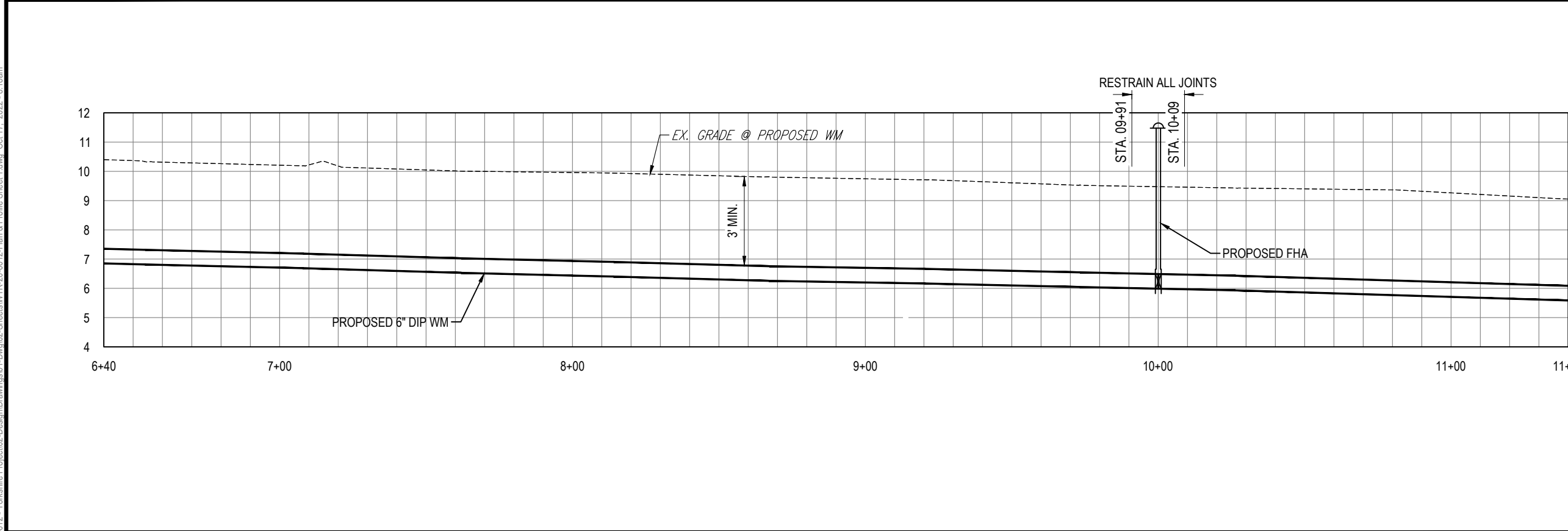
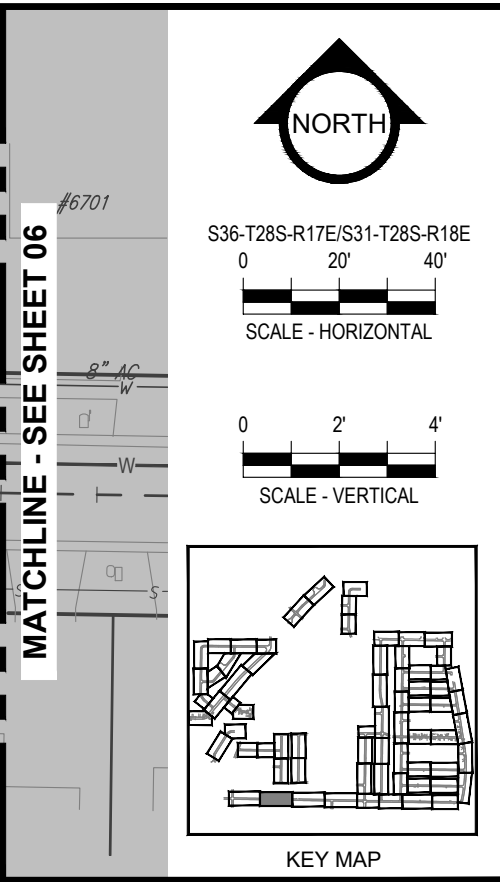
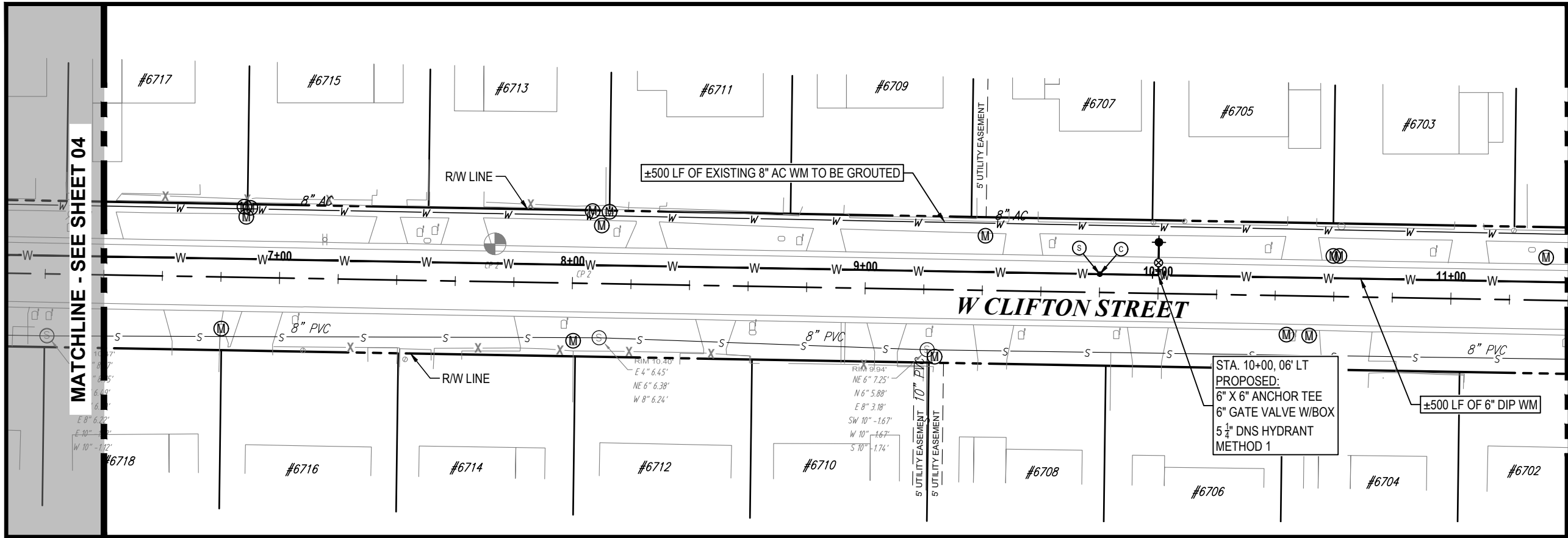
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**YORKSHIRE PROJECT**

**PLAN & PROFILE SHEET 1**



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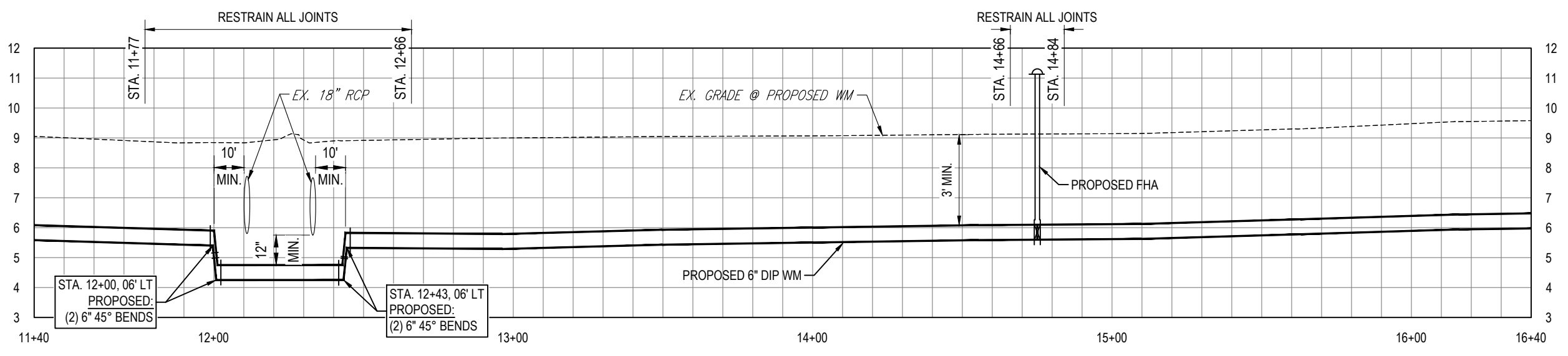
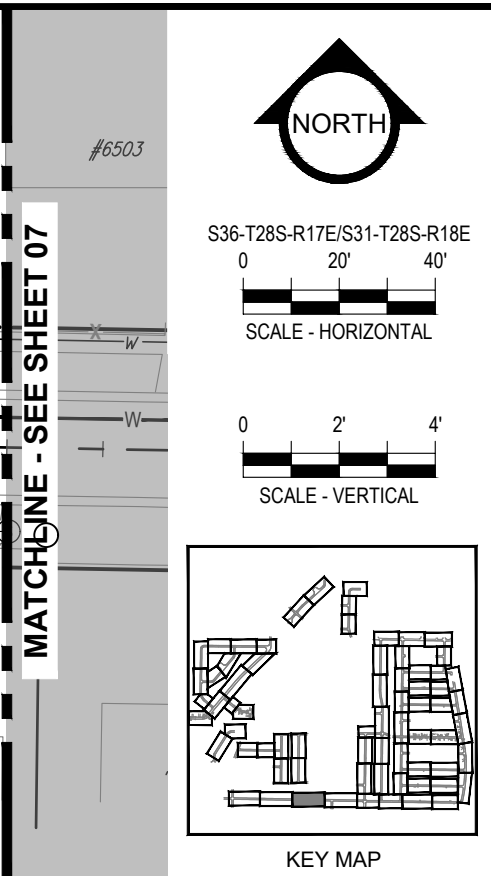
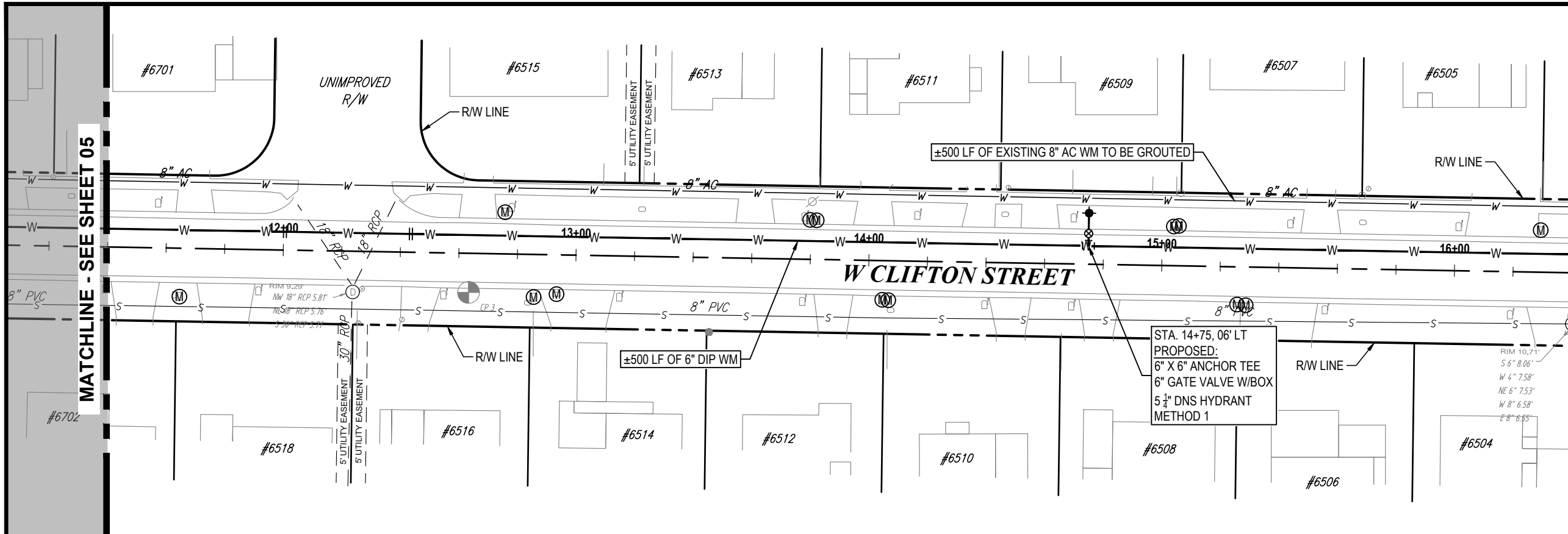
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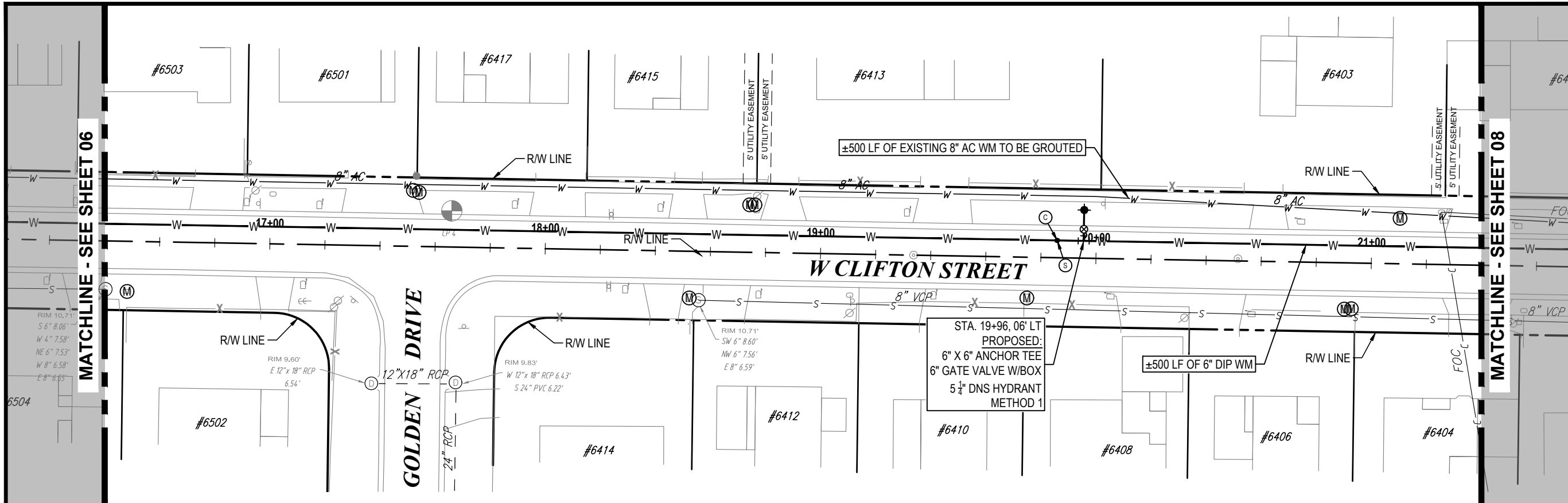
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YORKSHIRE PROJECT  
 PLAN & PROFILE SHEET 3



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NORTH

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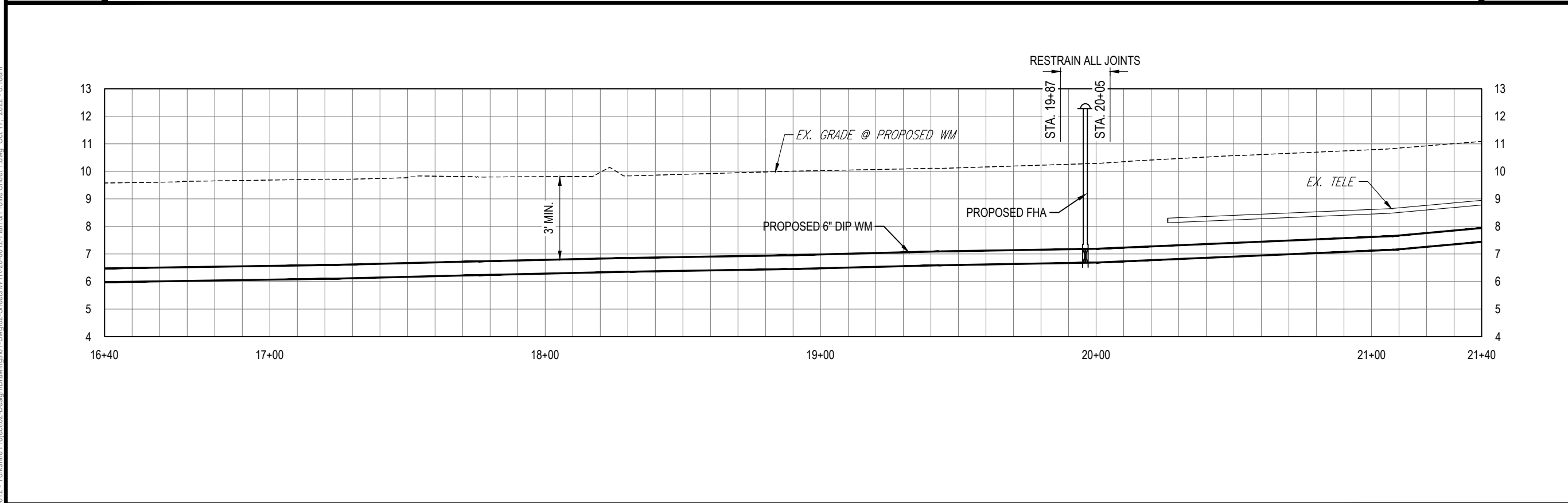
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SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



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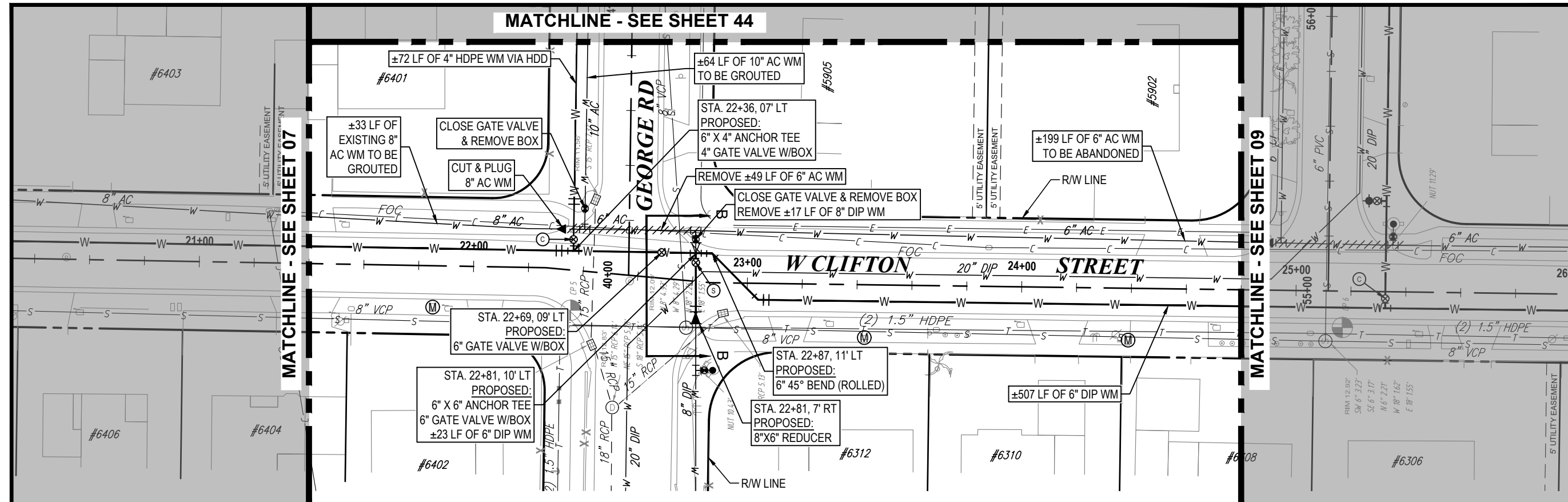


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MATCHLINE - SEE SHEET 44



NORTH

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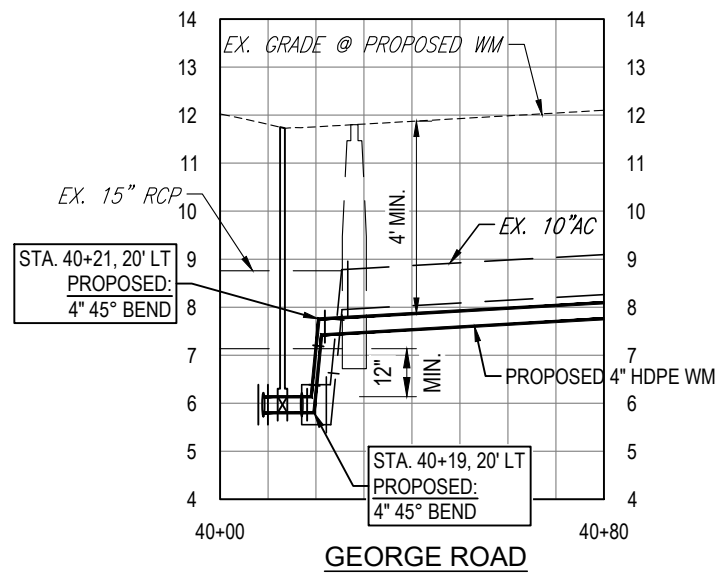
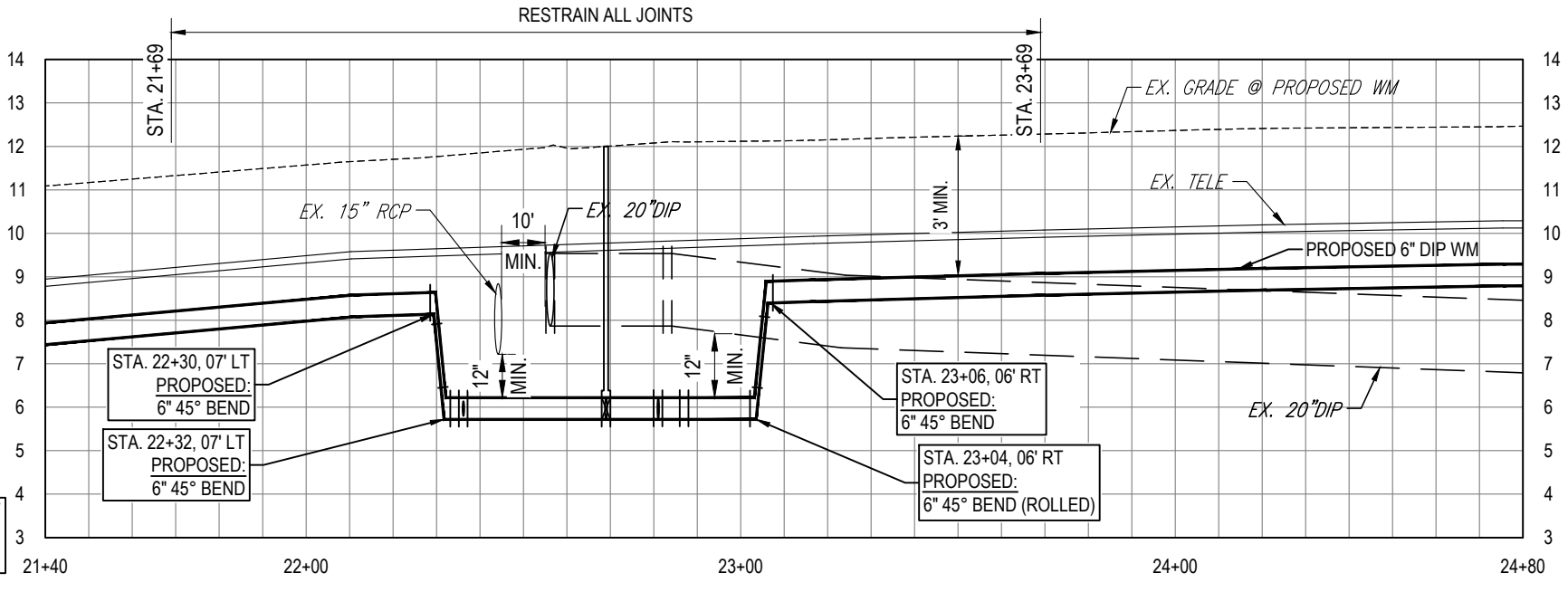
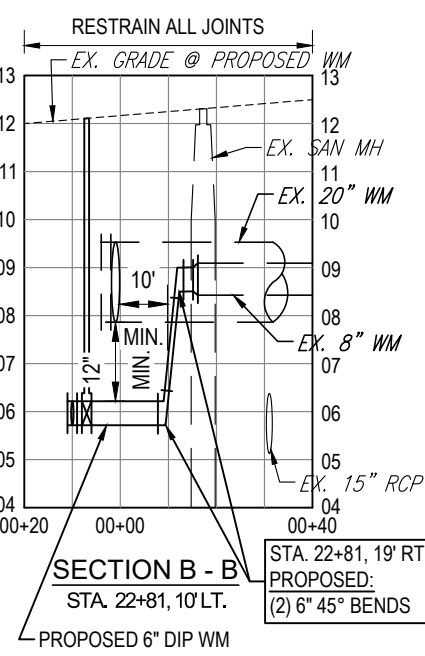
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KEY MAP



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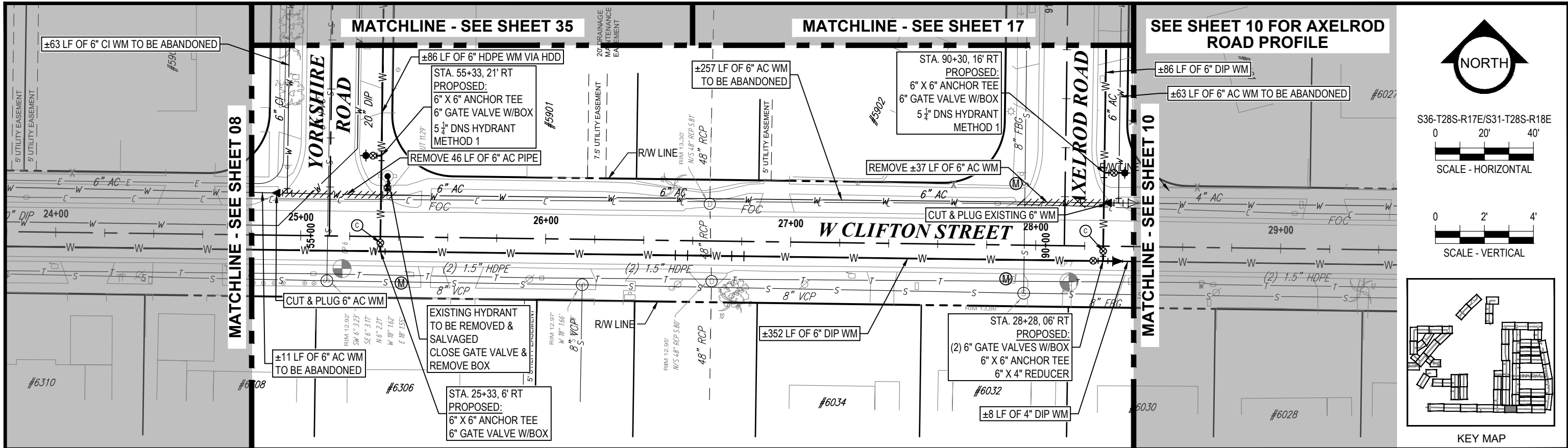
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PLAN & PROFILE SHEET 5



**100% PLANS**

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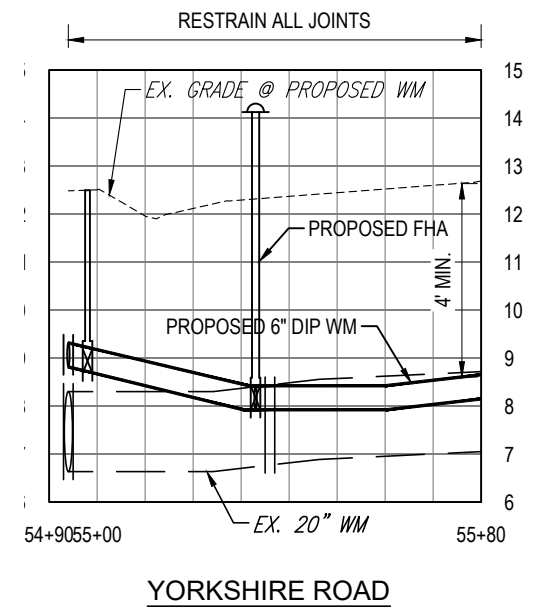
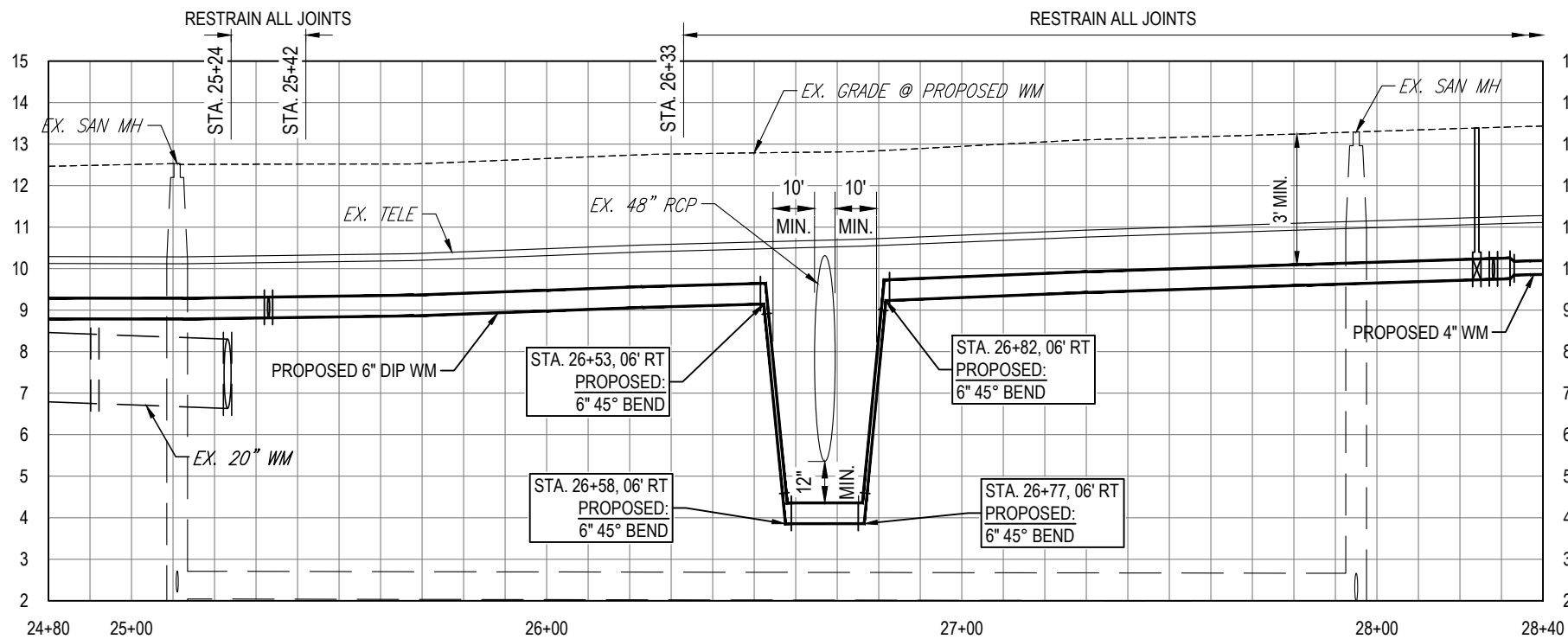
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TAMPA, FLA. 33602  
P.E. #79453

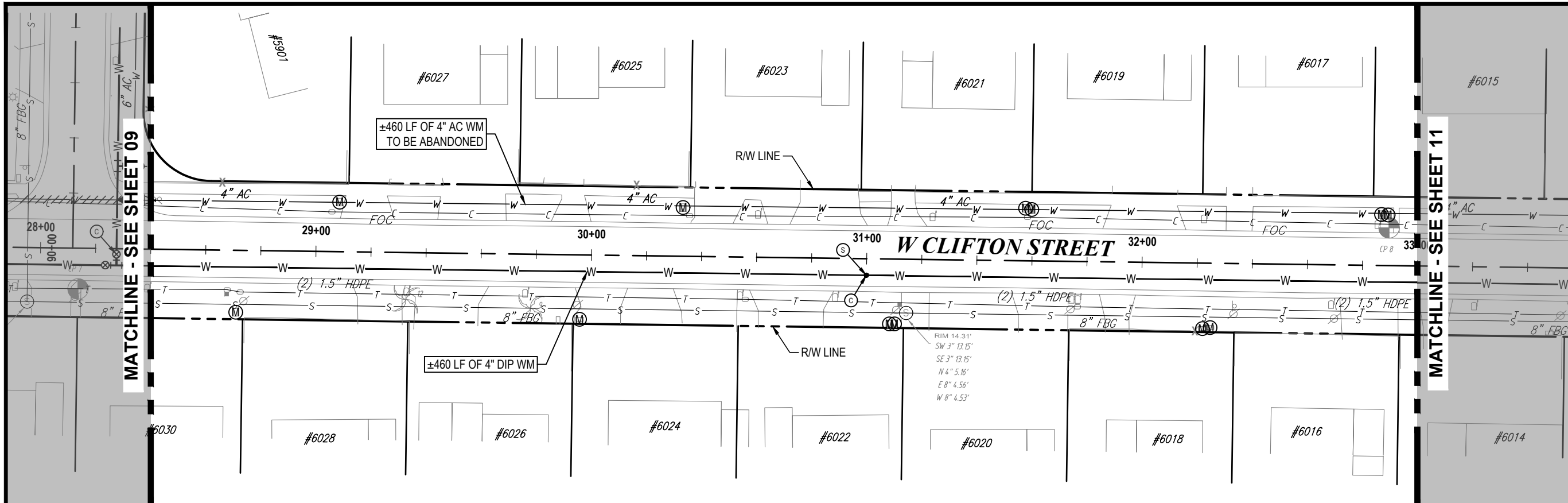
REV. NO.	DATE	DESCRIPTION	BY	DESIGNED	NP

YORKSHIRE PROJECT

PLAN & PROFILE SHEET 6



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	09 OF 80



NORTH

S36-T28S-R17E/S31-T28S-R18E

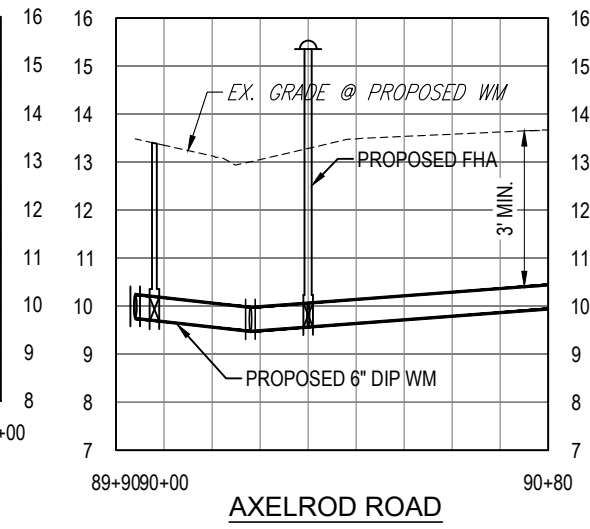
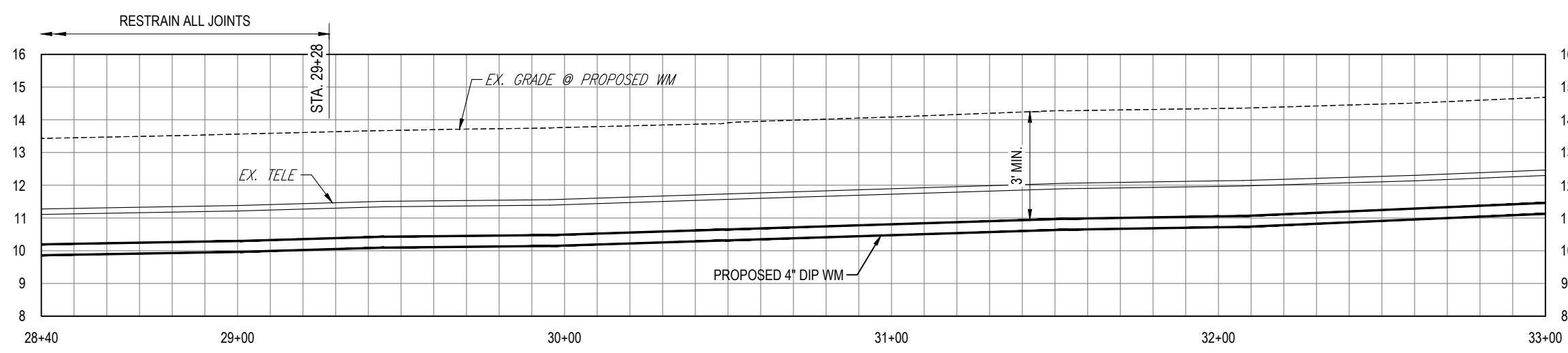
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 1.dwg, Oct 17, 2022, 8:18am

RORY A. JONES, P.E.  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT

PLAN & PROFILE SHEET 7

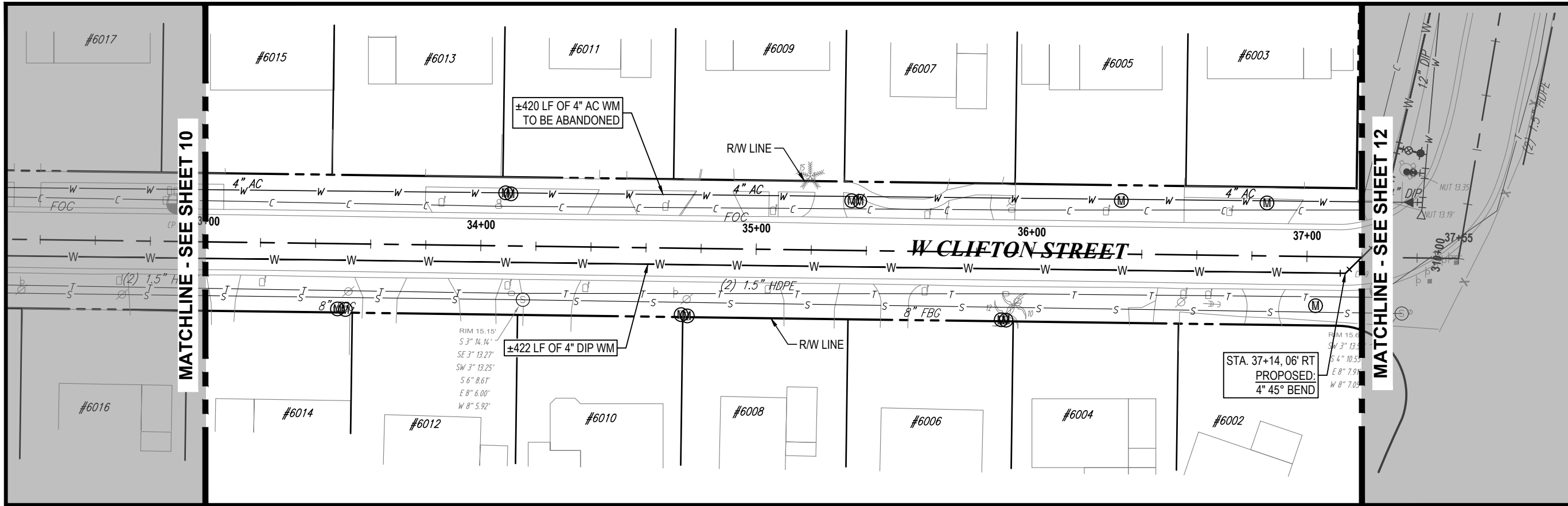


100% PLANS

WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

ATLAS PAGE E6-E7 SHEET 10 OF 80



NORTH

S36-T28S-R17E/S31-T28S-R18E

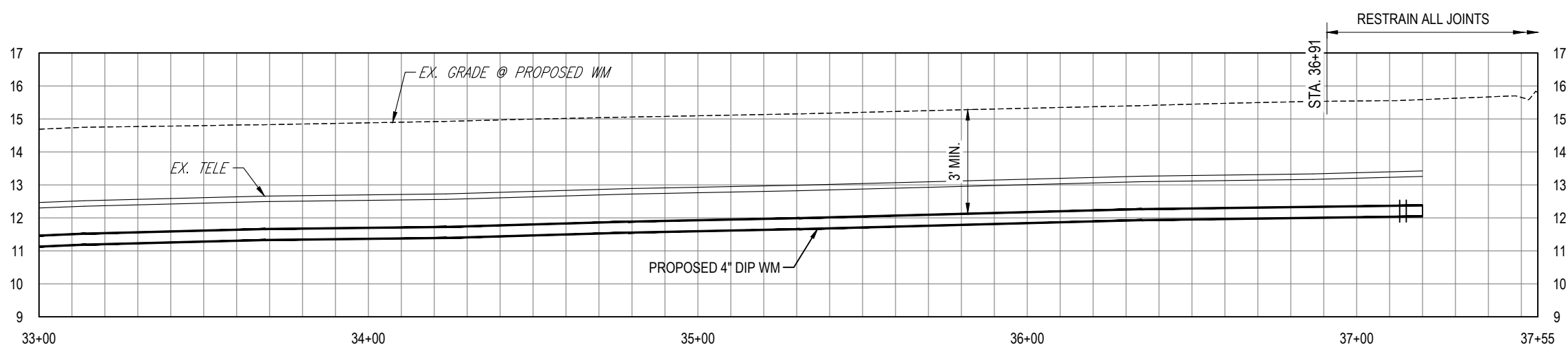
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SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



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RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	CHECKED	RAJ
.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT

PLAN & PROFILE SHEET 8

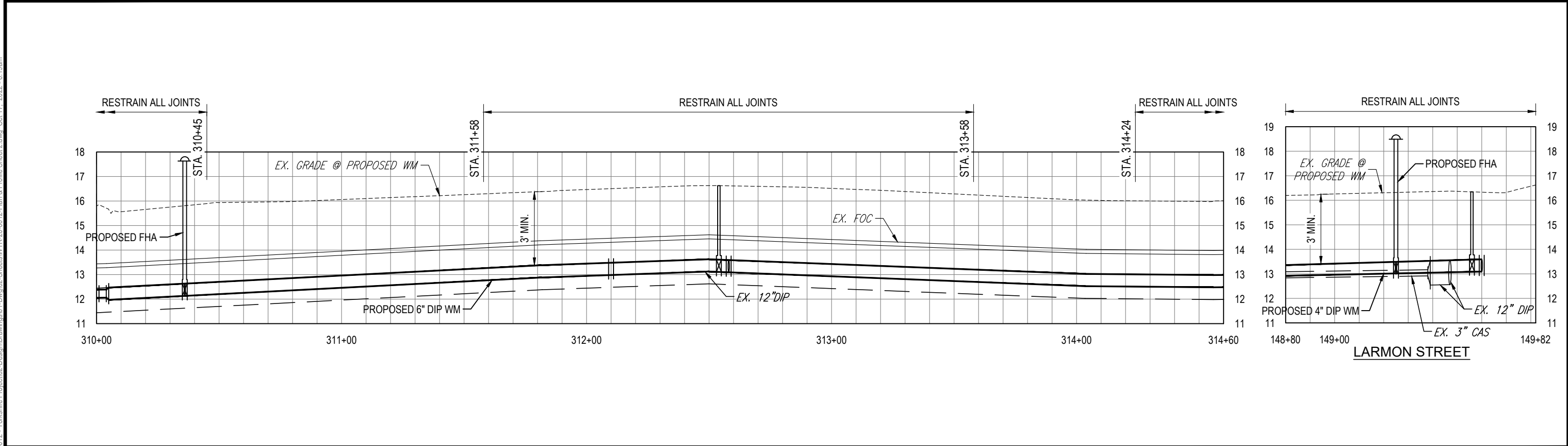
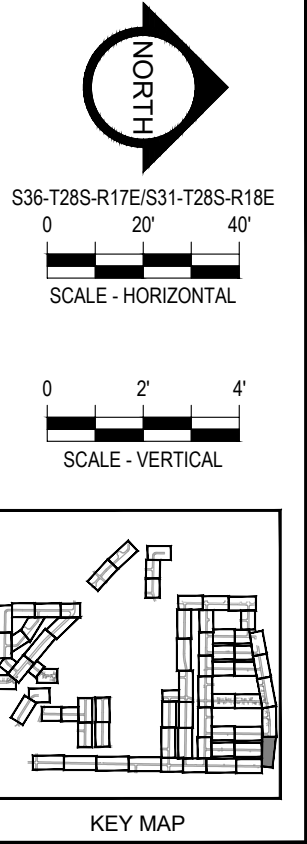
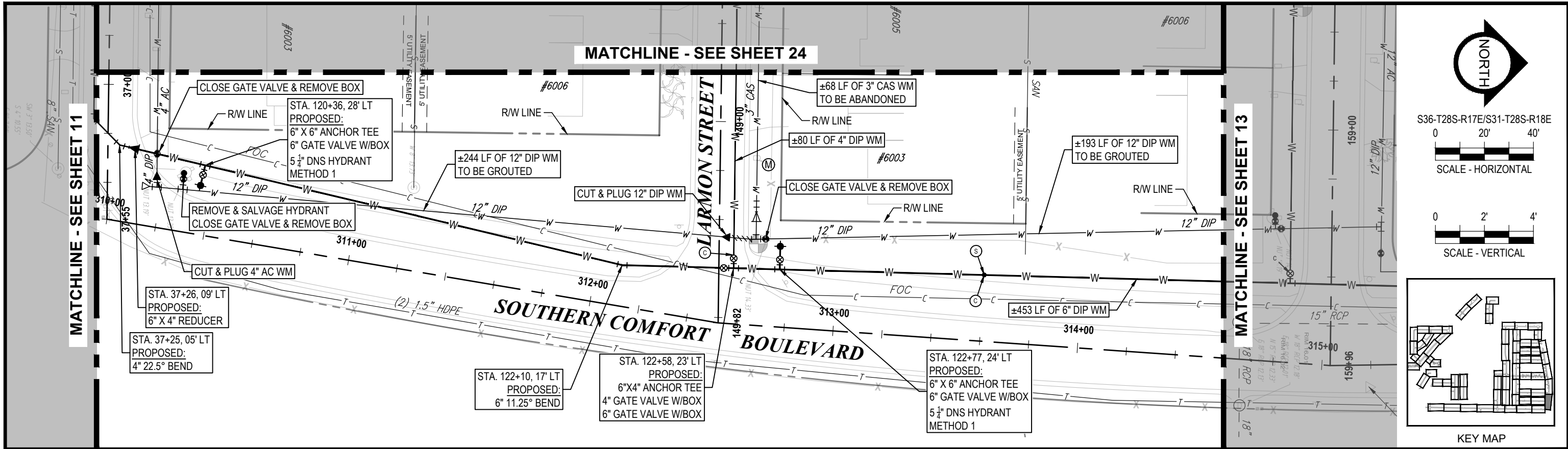


100% PLANS

WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

ATLAS PAGE E6-E7 SHEET 11 OF 80



RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

REV. NO.	DATE	DESCRIPTION	BY

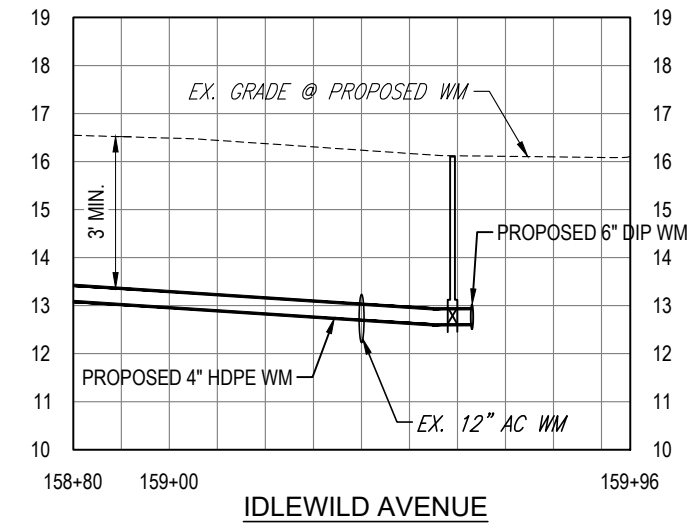
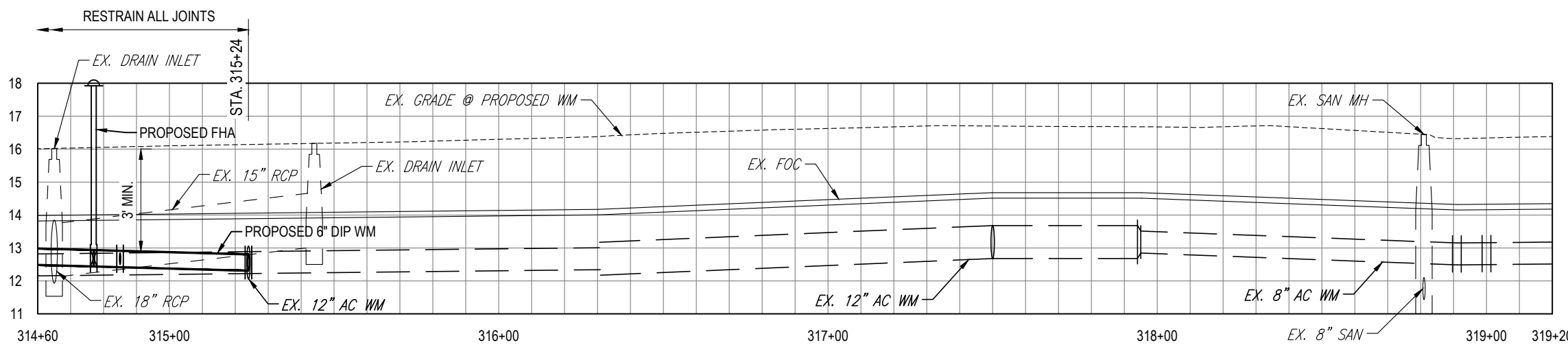
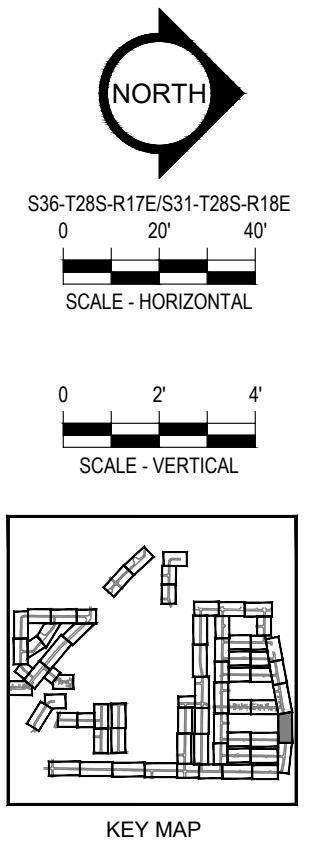
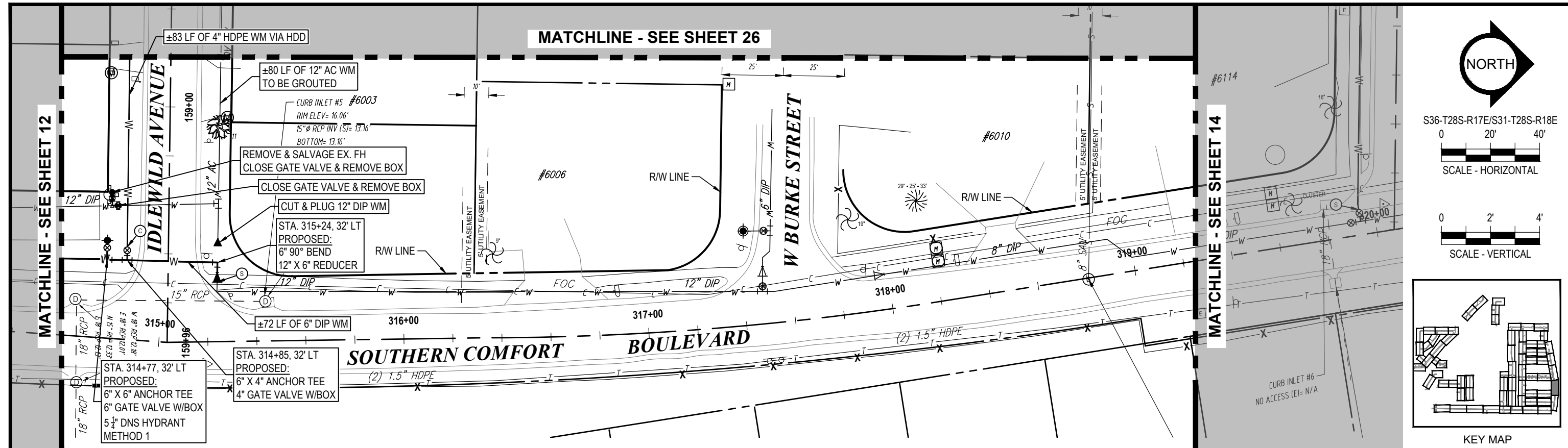
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DRAWN	SLS
CHECKED	RAJ
DATE	12/01/20

YORKSHIRE PROJECT  
 PLAN & PROFILE SHEET 9



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	12 OF 80

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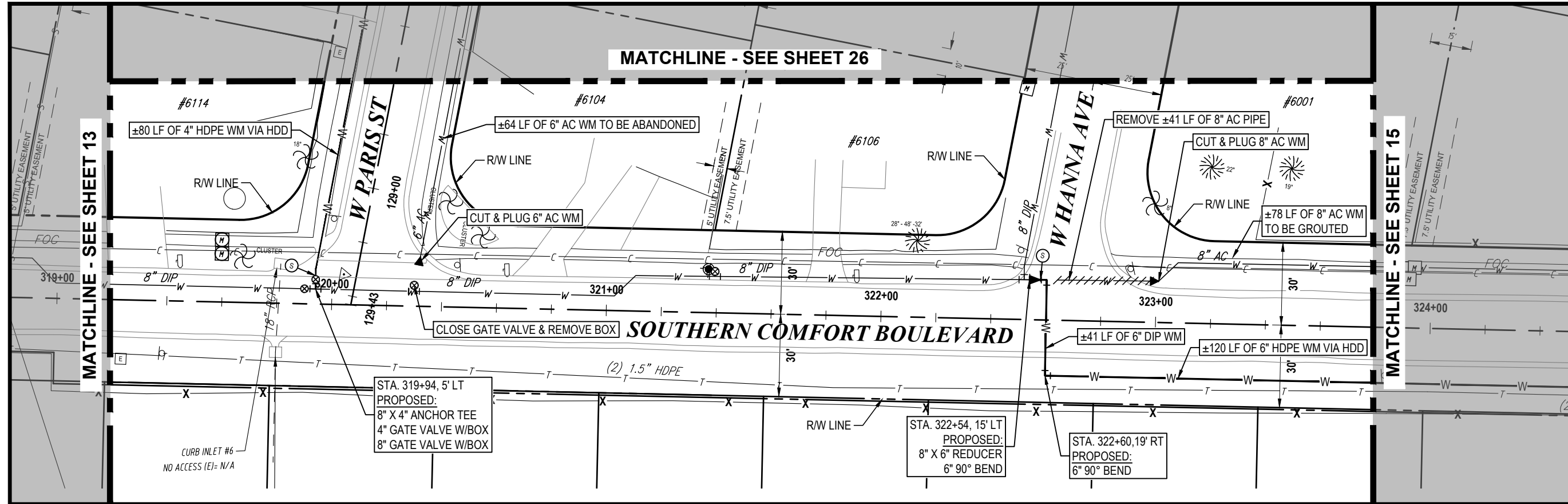
RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

REV. NO.	DATE	DESCRIPTION	BY	DESIGNED	NP

YORKSHIRE PROJECT  
 PLAN & PROFILE SHEET 10



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	13 OF 80

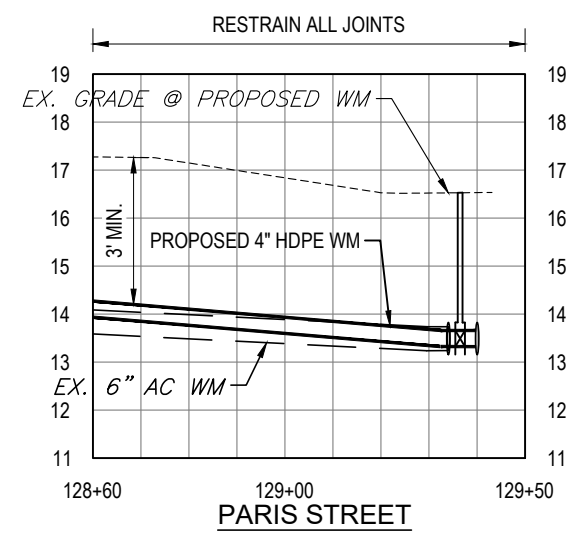
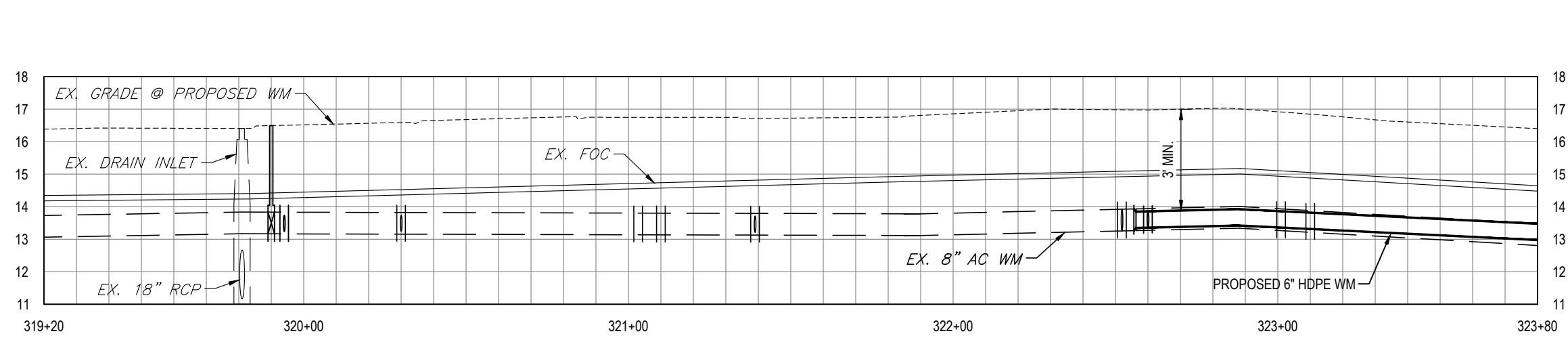


**NORTH**

S36-T28S-R17E/S31-T28S-R18E  
0 25' 50'  
SCALE - HORIZONTAL

0 2' 4'  
SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 8.dwg, Oct 17, 2022, 8:19am

**RORY A. JONES, P.E.**  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP

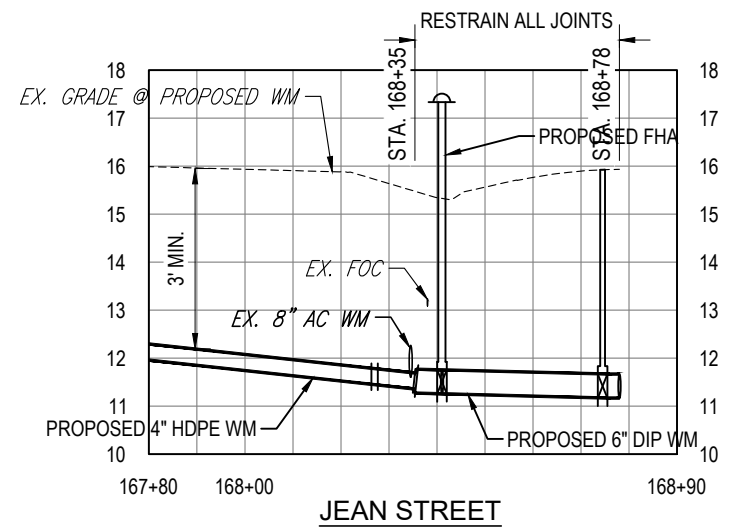
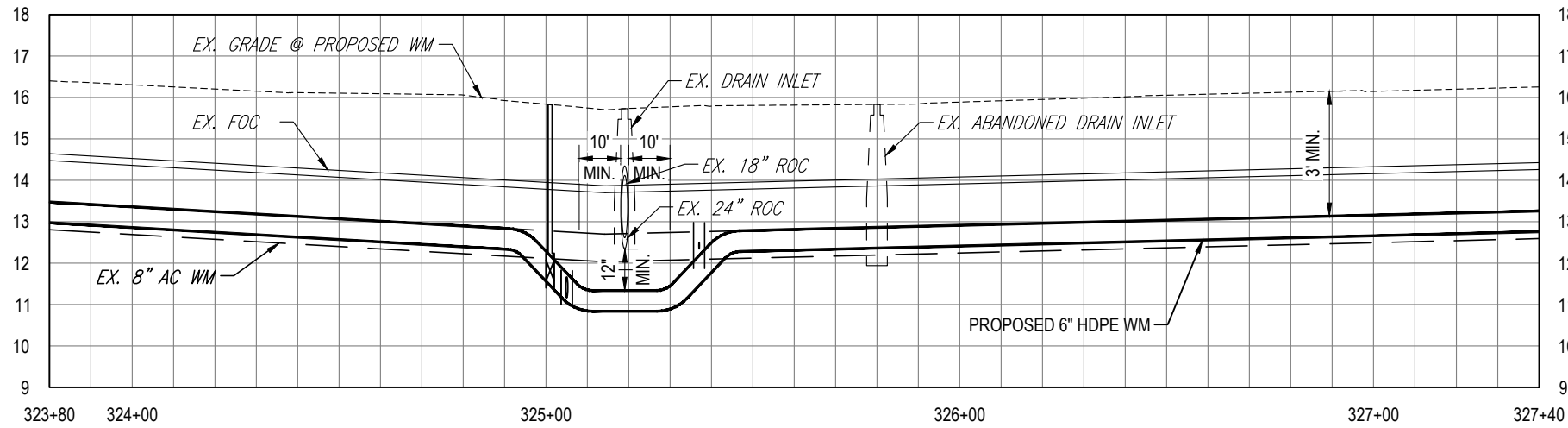
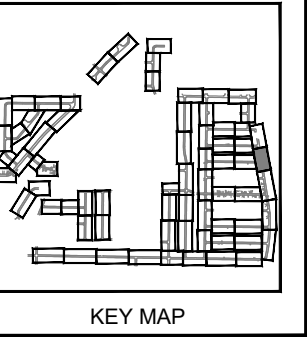
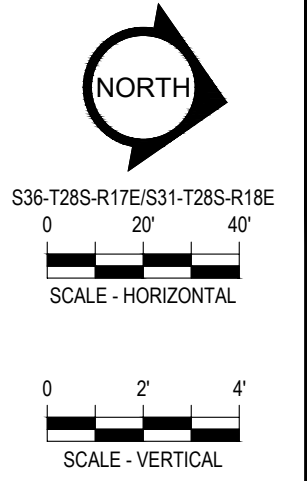
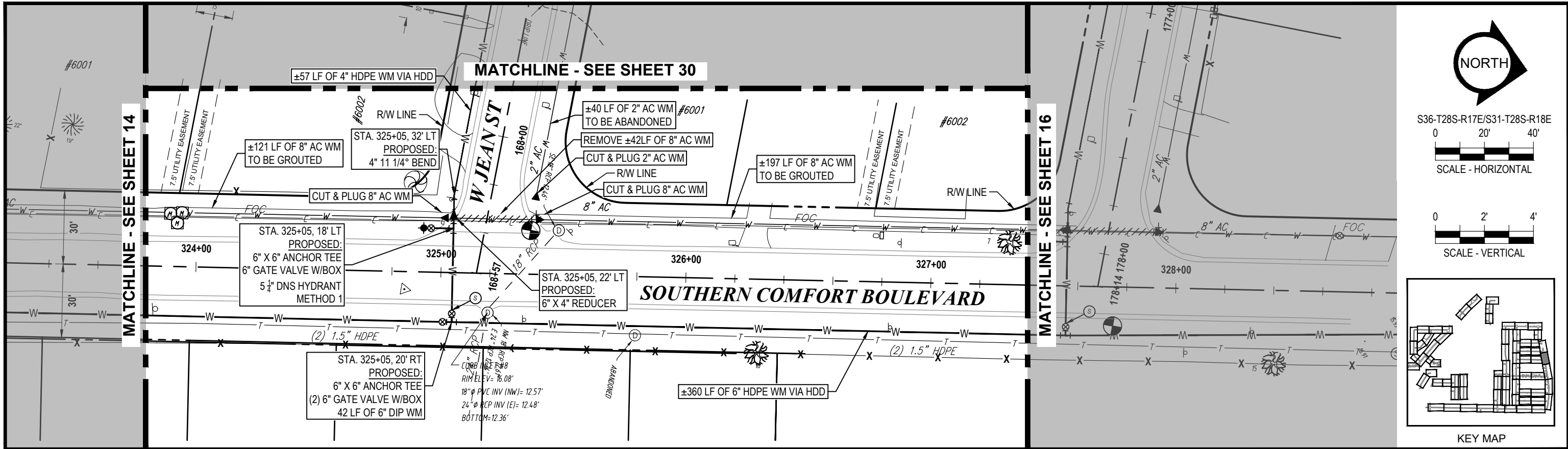
**YORKSHIRE PROJECT**

**PLAN & PROFILE SHEET 11**



**100% PLANS**

WORK ORDER NO. WTR-20-0012  
RECORD DRAWING NO.  
ATLAS PAGE E6-E7 SHEET 14 OF 80



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RORY A. JONES, P.E.  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

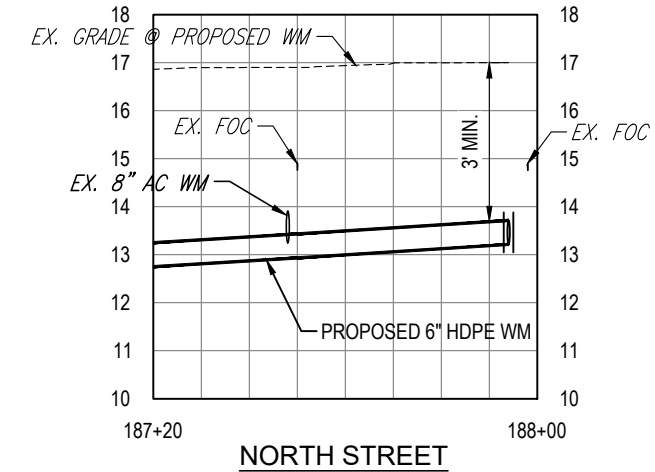
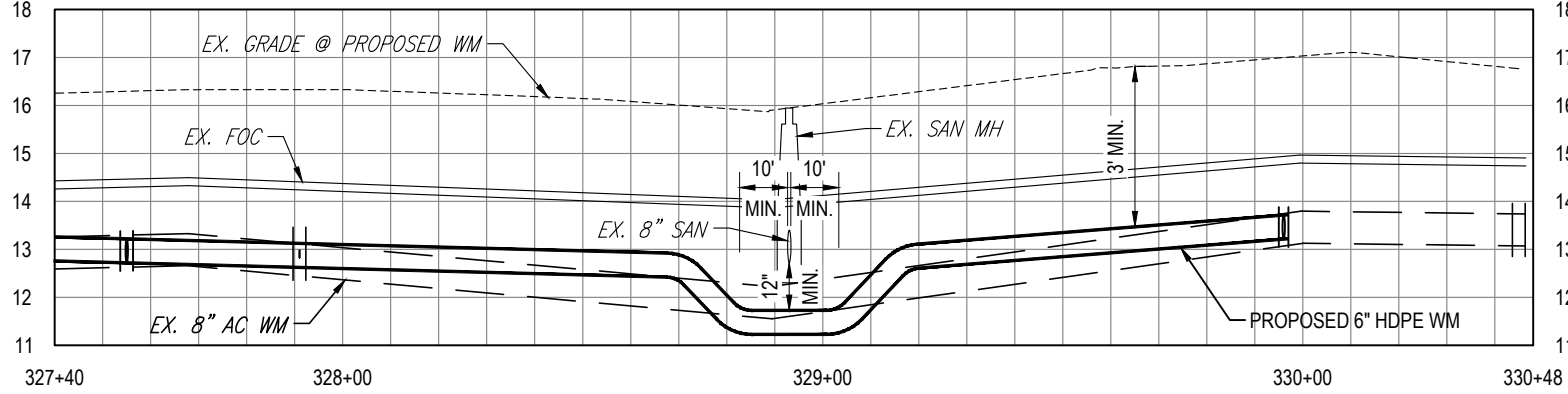
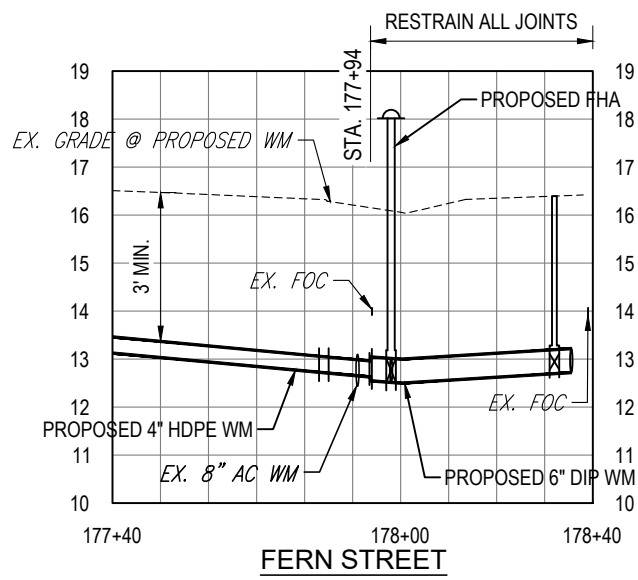
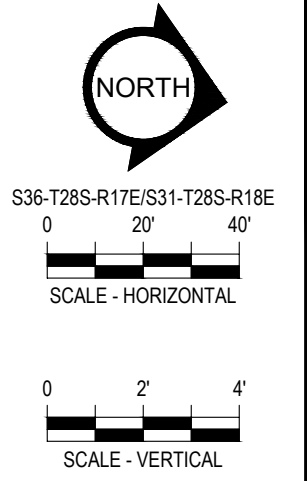
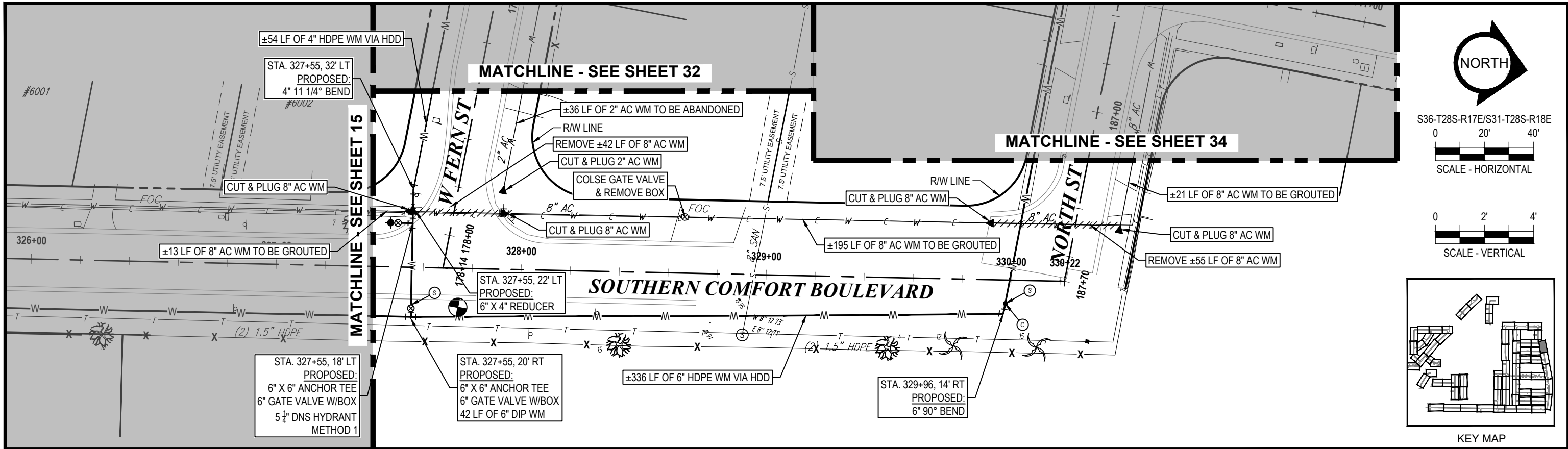
REV. NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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				DATE	12/01/20

YORKSHIRE PROJECT  
  
PLAN & PROFILE SHEET 12



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	15 OF 80





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**RORY A. JONES, P.E.**  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP

**YORKSHIRE PROJECT**

**PLAN & PROFILE SHEET 13**

DESIGNED NP  
 DRAWN SLS  
 CHECKED RAJ  
 DATE 12/01/20

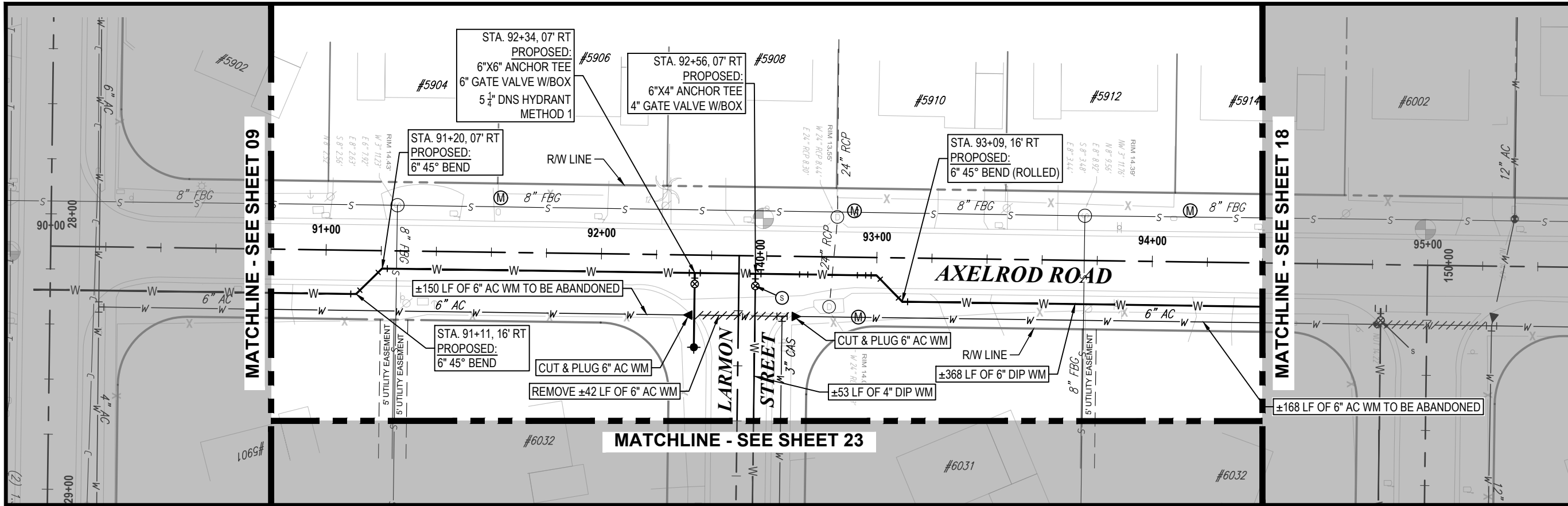


**100% PLANS**

WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

ATLAS PAGE E6-E7 SHEET 16 OF 80

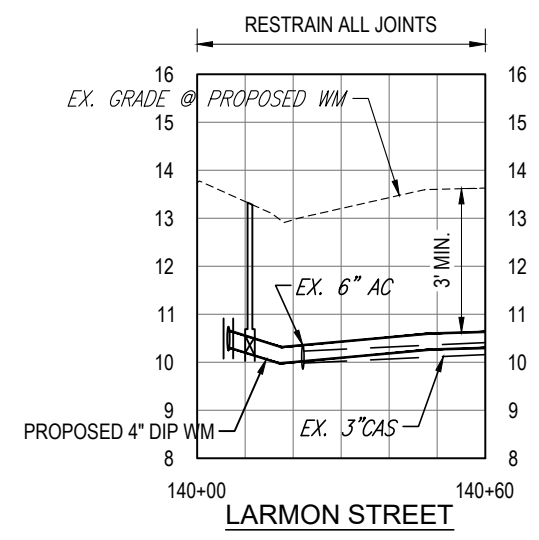
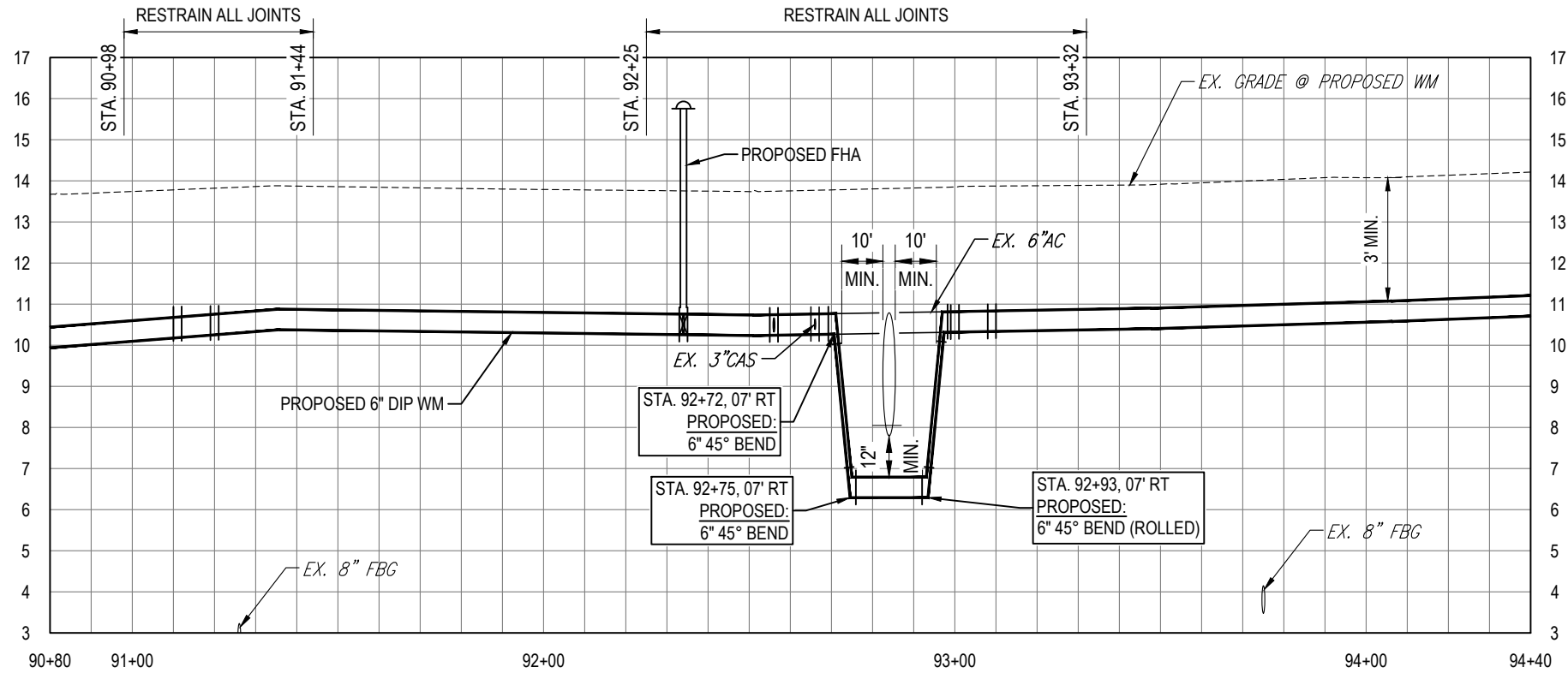


**NORTH**

S36-T28S-R17E/S31-T28S-R18E  
0 20' 40'  
SCALE - HORIZONTAL

0 2' 4'  
SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20\WTR-20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 2.dwg, Oct 17, 2022, 8:20am

**RORY A. JONES, P.E.**  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP

DATE 12/01/20

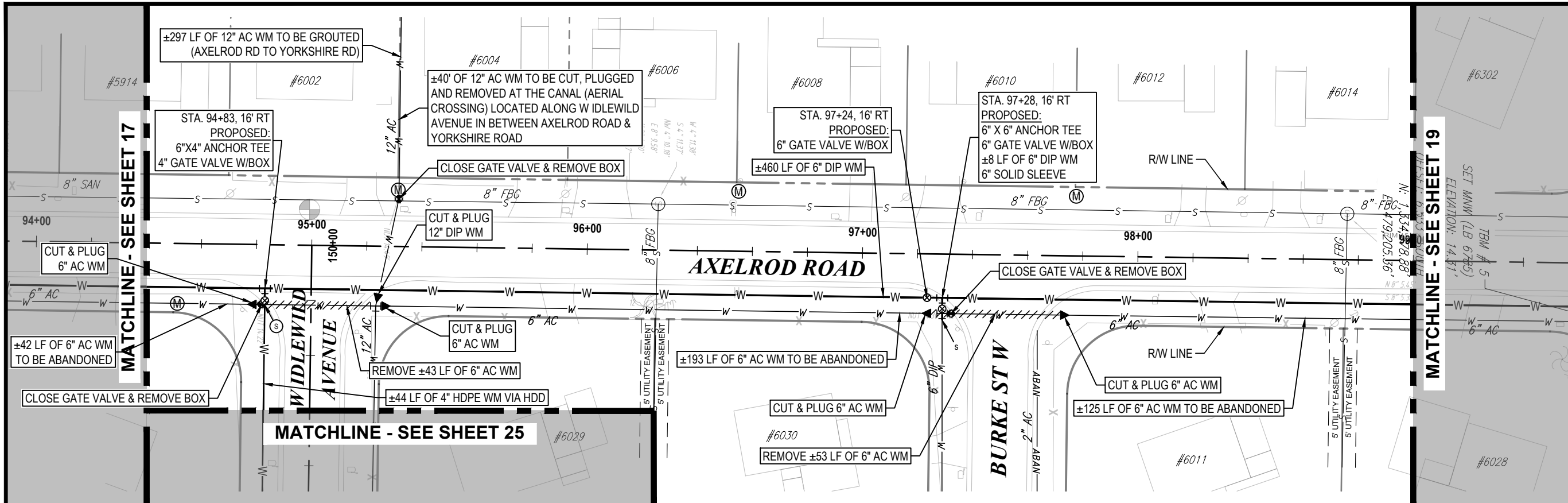
**YORKSHIRE PROJECT**

**PLAN & PROFILE SHEET 14**



**100% PLANS**

WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	17 OF 80

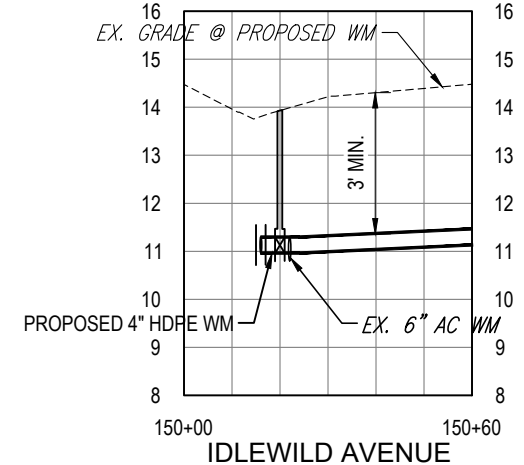
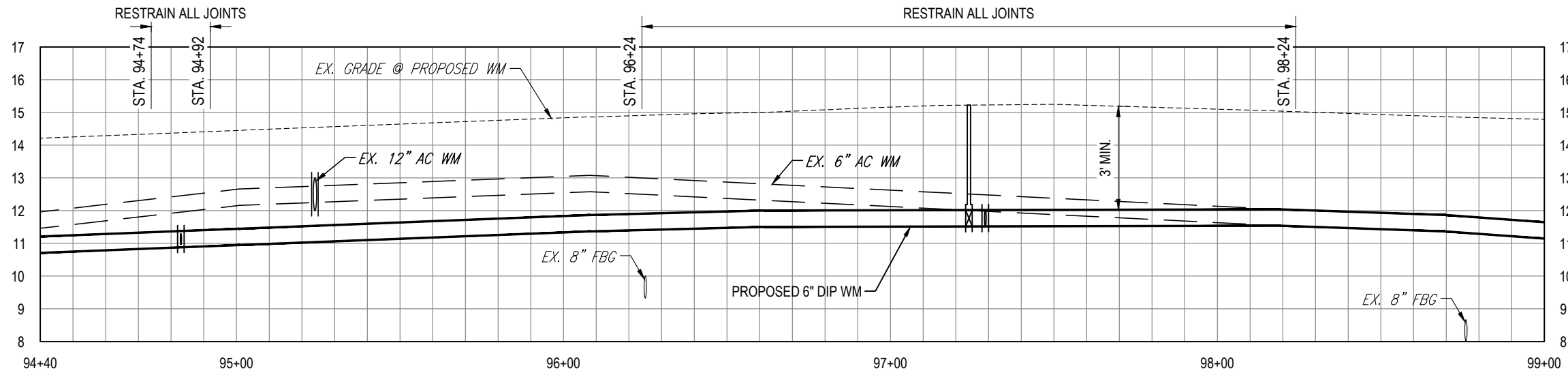


**NORTH**

S36-T28S-R17E/S31-T28S-R18E  
0 20' 40'  
SCALE - HORIZONTAL

0 2' 4'  
SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 3.dwg, Oct 17, 2022, 8:21am

**RORY A. JONES, P.E.**  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

REV. NO.	DATE	DESCRIPTION	BY	DESIGNED	NP

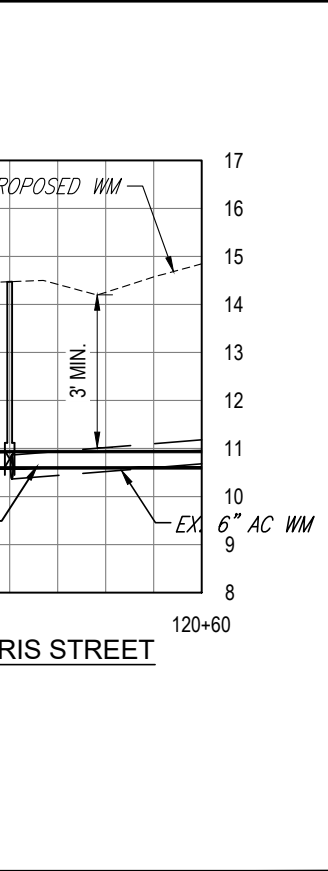
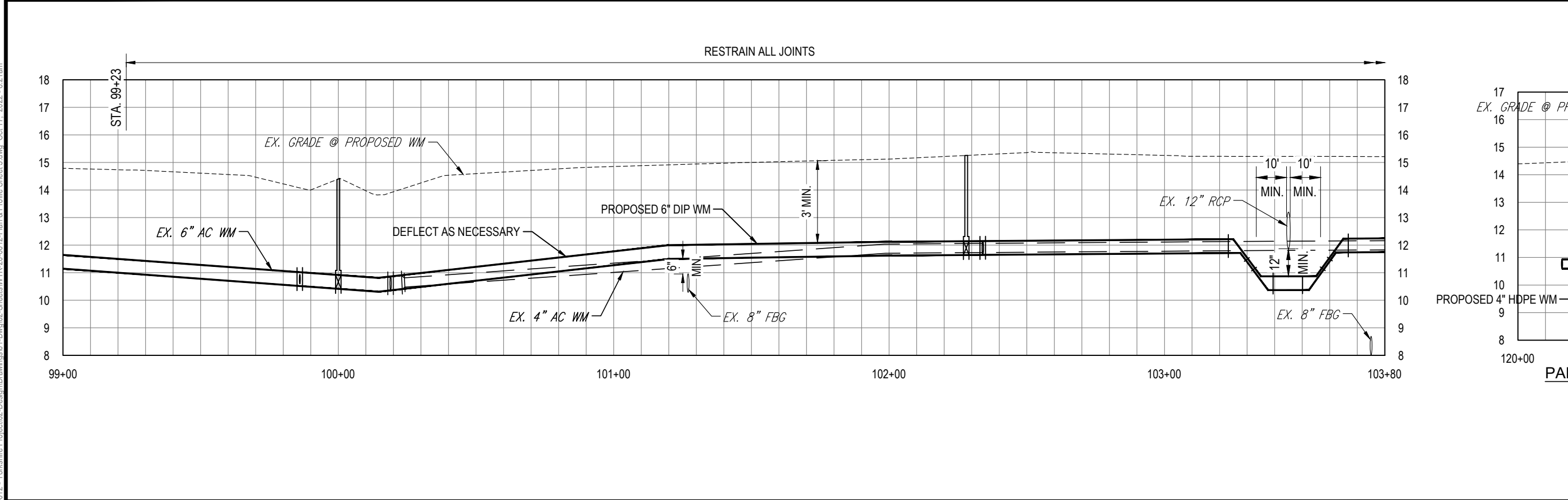
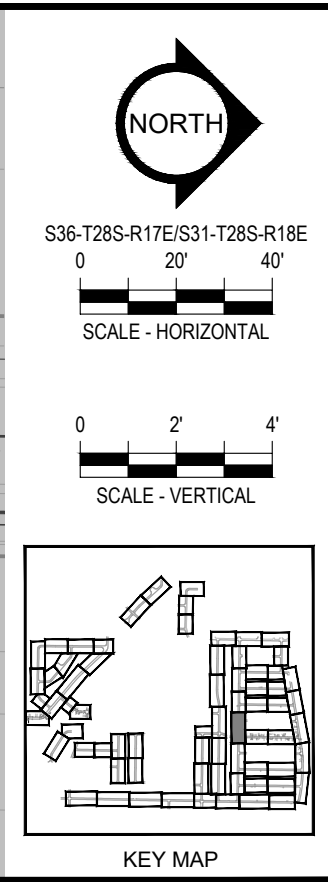
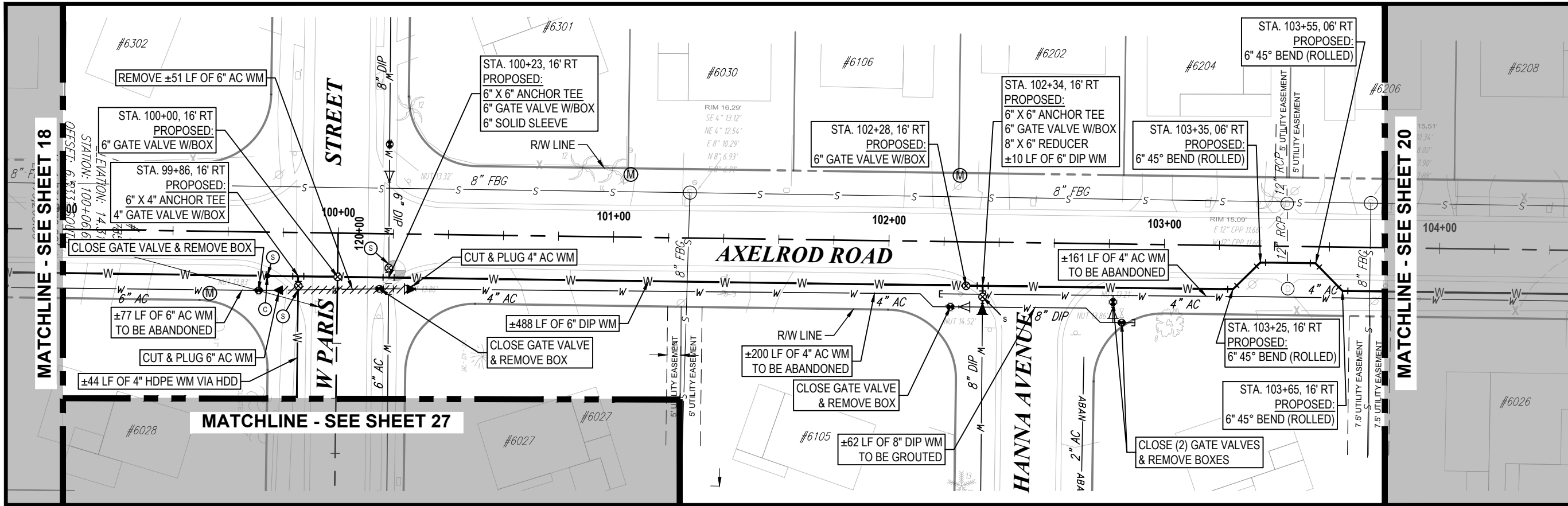
**YORKSHIRE PROJECT**

**PLAN & PROFILE SHEET 15**



**100% PLANS**

WORK ORDER NO. WTR-20-0012  
RECORD DRAWING NO.  
ATLAS PAGE E6-E7 SHEET 18 OF 80



RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

REV. NO.	DATE	DESCRIPTION	BY

DESIGNED NP  
 DRAWN SLS  
 CHECKED RAJ  
 DATE 12/01/20

YORKSHIRE PROJECT

PLAN & PROFILE SHEET 16



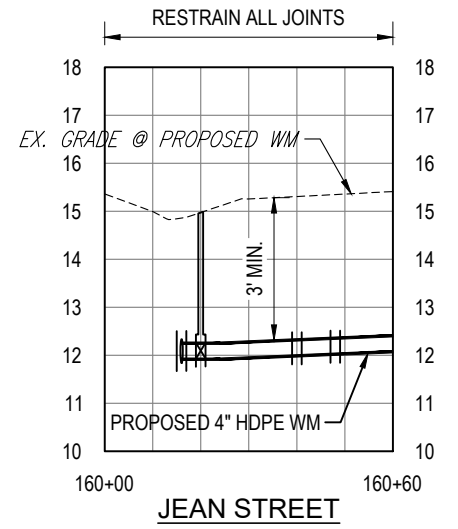
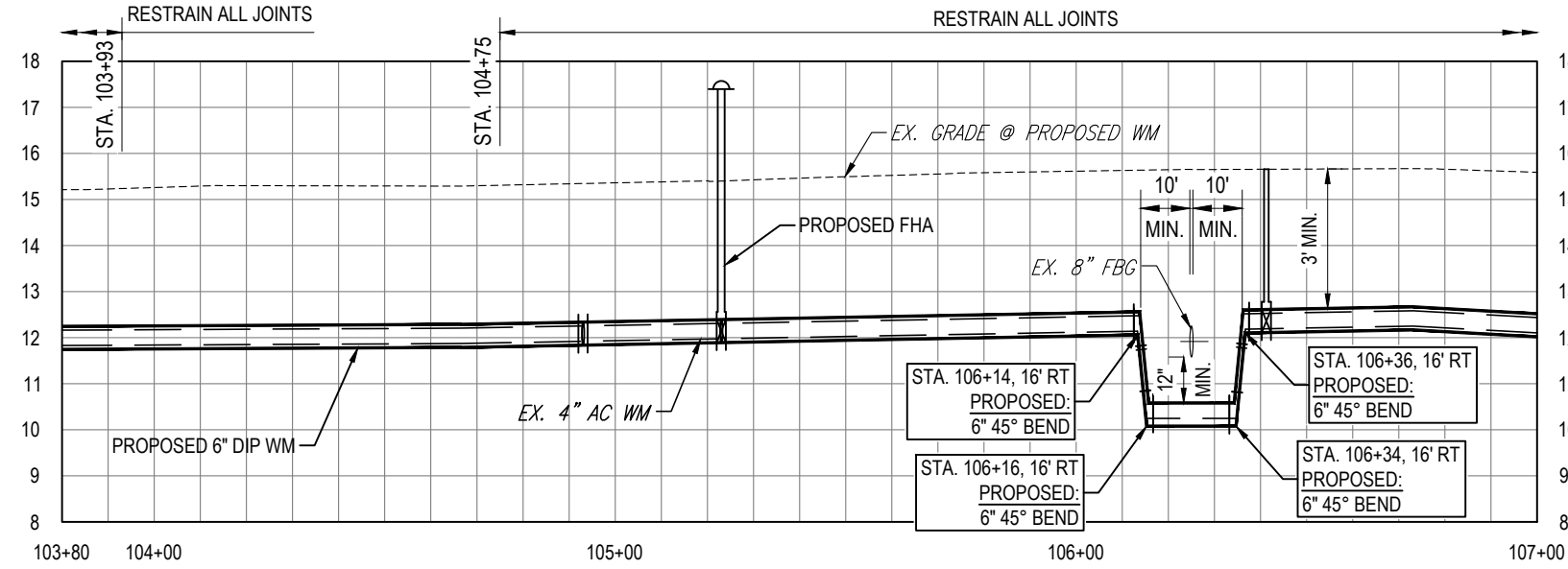
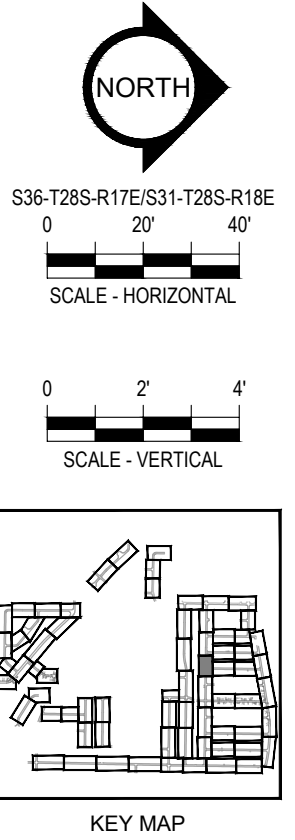
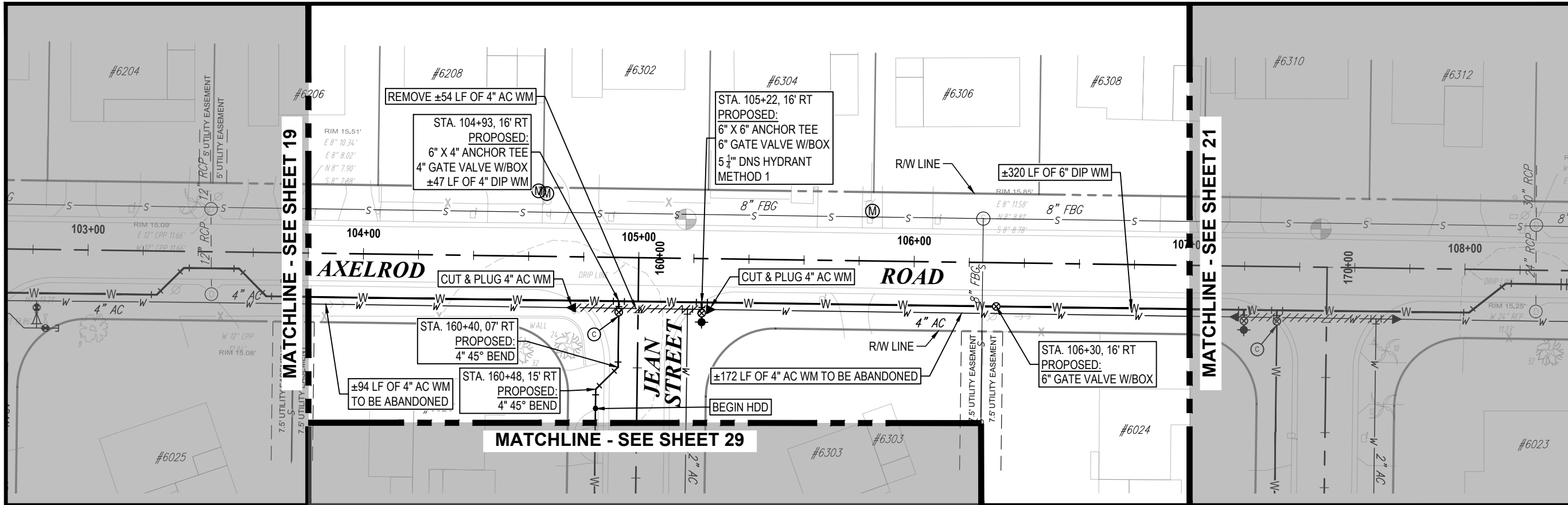
100% PLANS

WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

ATLAS PAGE E6-E7 SHEET 19 OF 80

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RORY A. JONES, P.E.  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP

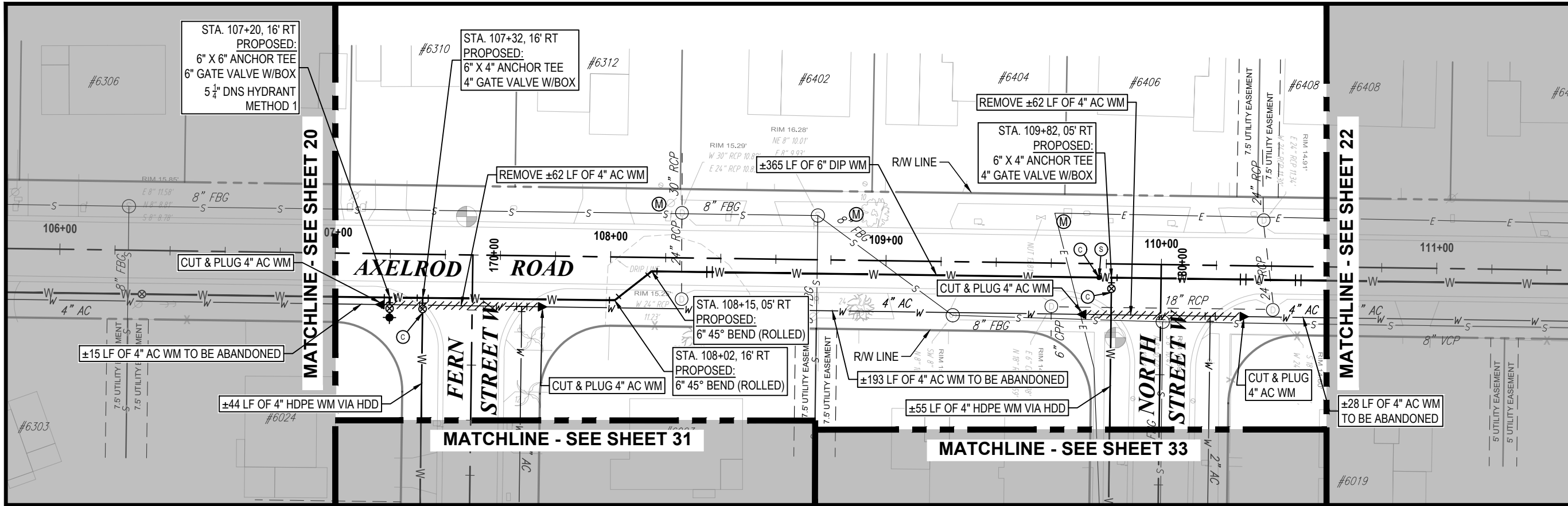
**YORKSHIRE PROJECT**

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**PLAN & PROFILE SHEET 17**



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RECORD DRAWING NO.	
ATLAS PAGE E6-E7	SHEET 20 OF 80

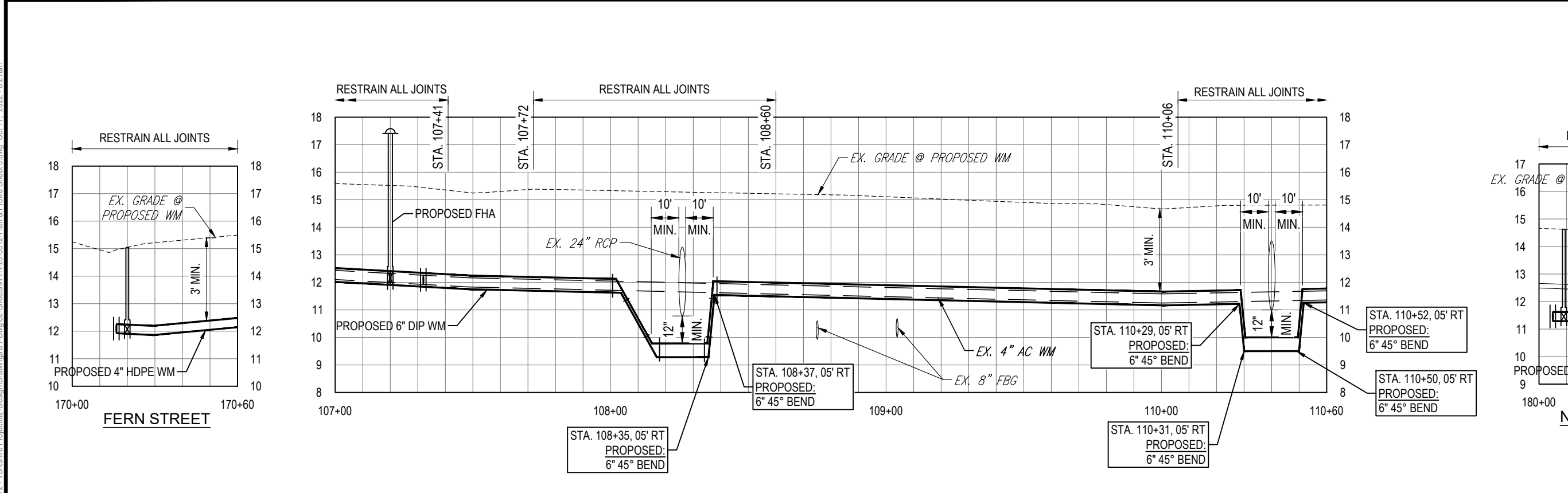


**NORTH**

S36-T28S-R17E/S31-T28S-R18E  
0 20' 40'  
SCALE - HORIZONTAL

0 2' 4'  
SCALE - VERTICAL

KEY MAP



**RORY A. JONES, P.E.**  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP

**YORKSHIRE PROJECT**

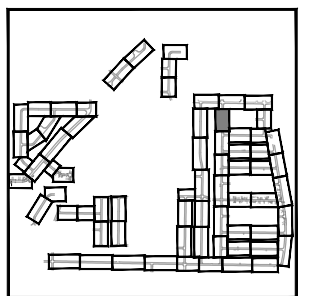
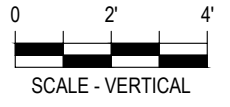
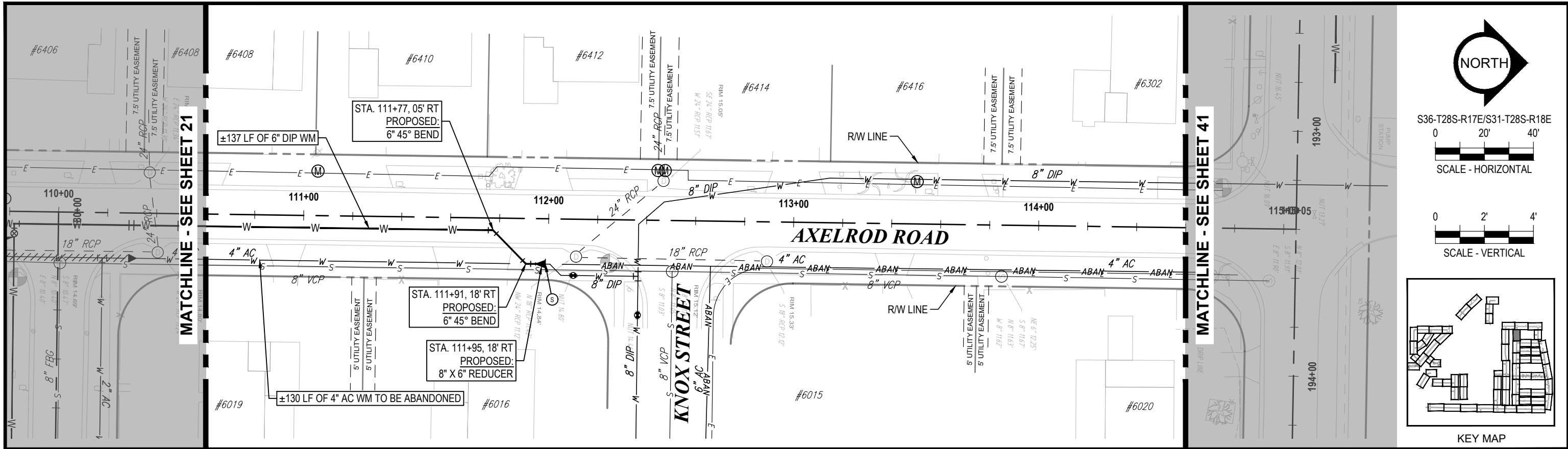
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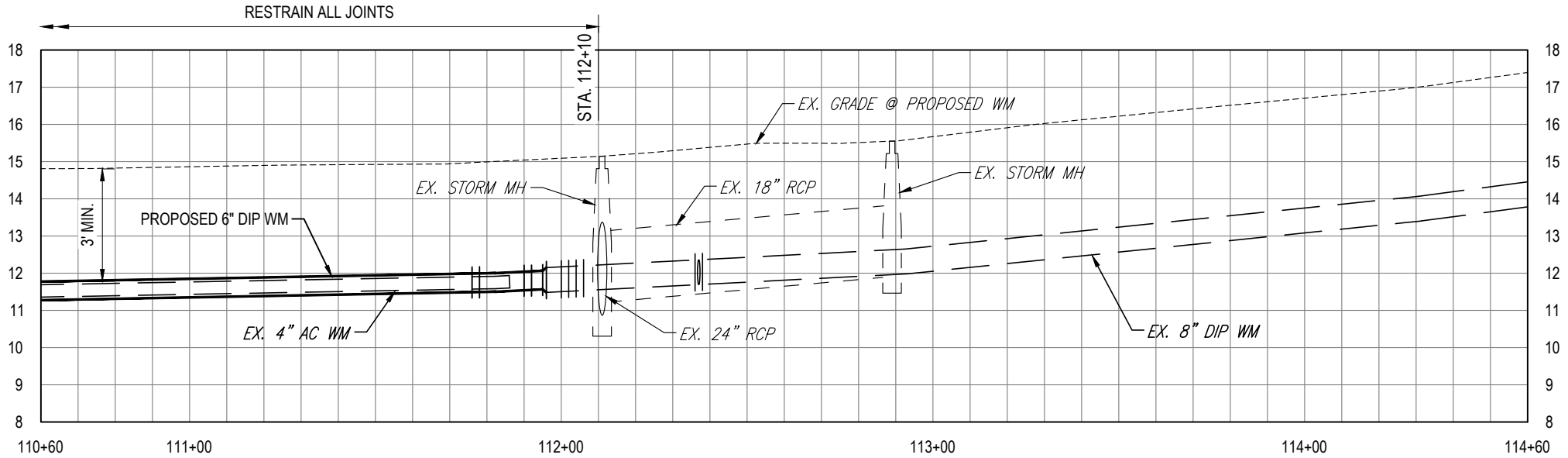
**100% PLANS**

WORK ORDER NO. WTR-20-0012  
RECORD DRAWING NO.  
ATLAS PAGE E6-E7 SHEET 21 OF 80

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KEY MAP



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RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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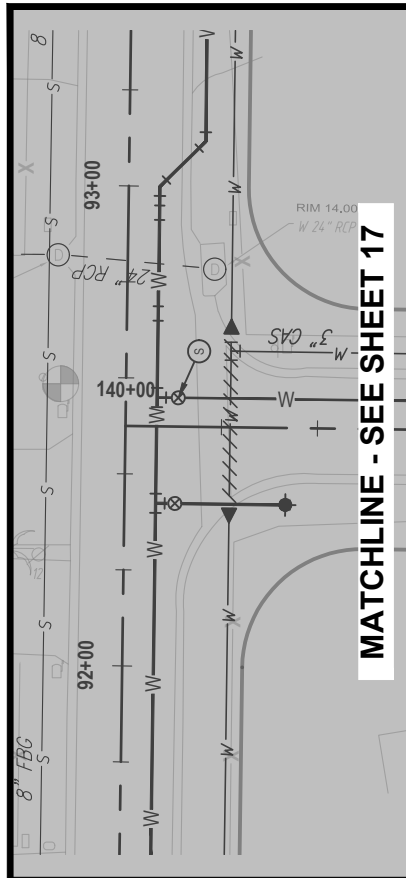
YORKSHIRE PROJECT

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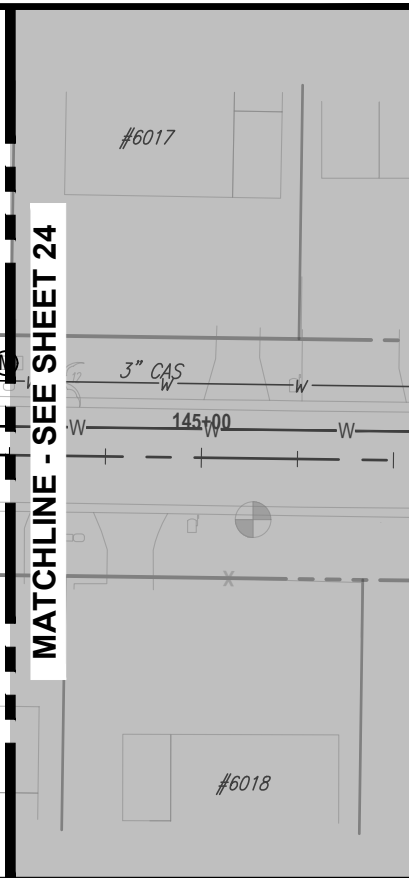
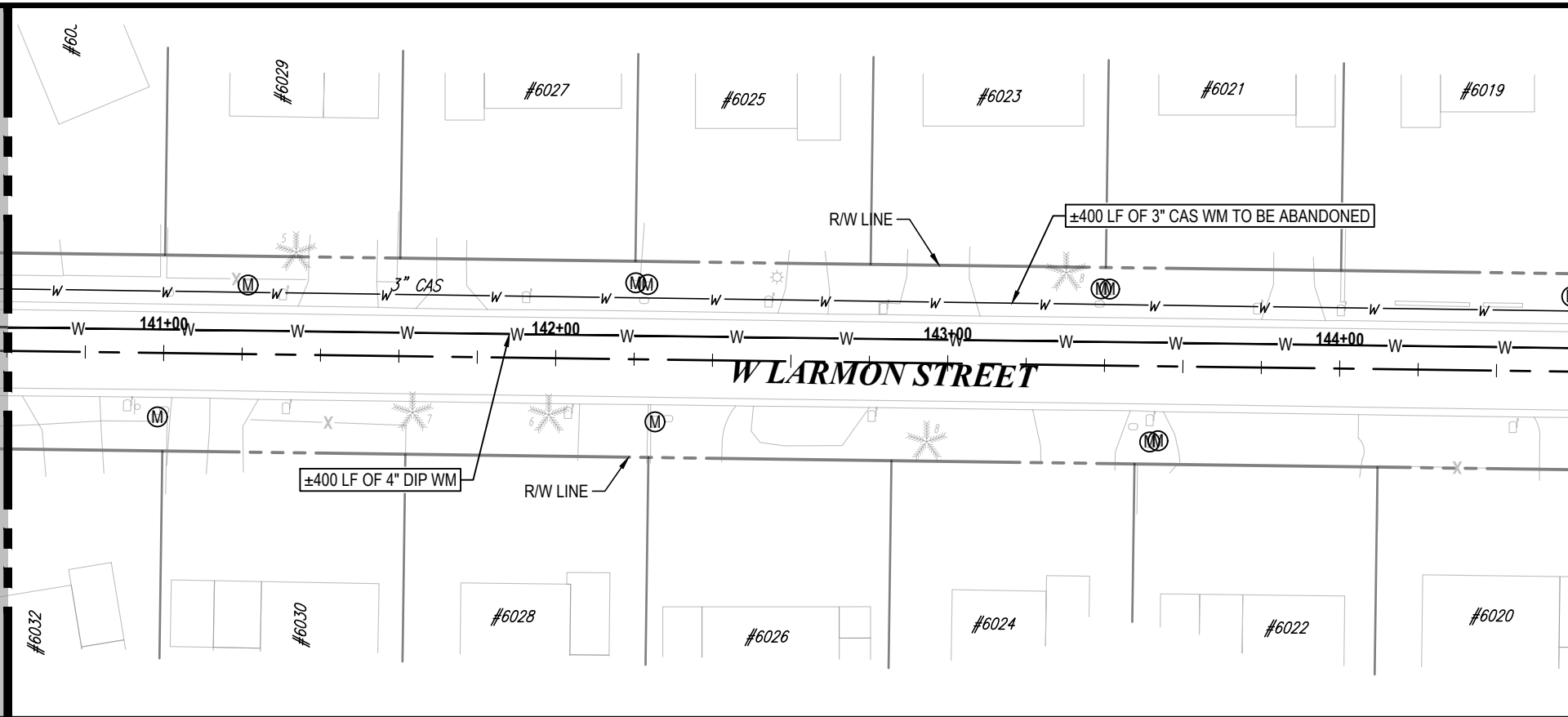
PLAN & PROFILE SHEET 19



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	22 OF 80



MATCHLINE - SEE SHEET 17



MATCHLINE - SEE SHEET 24

NORTH

S36-T28S-R17E/S31-T28S-R18E

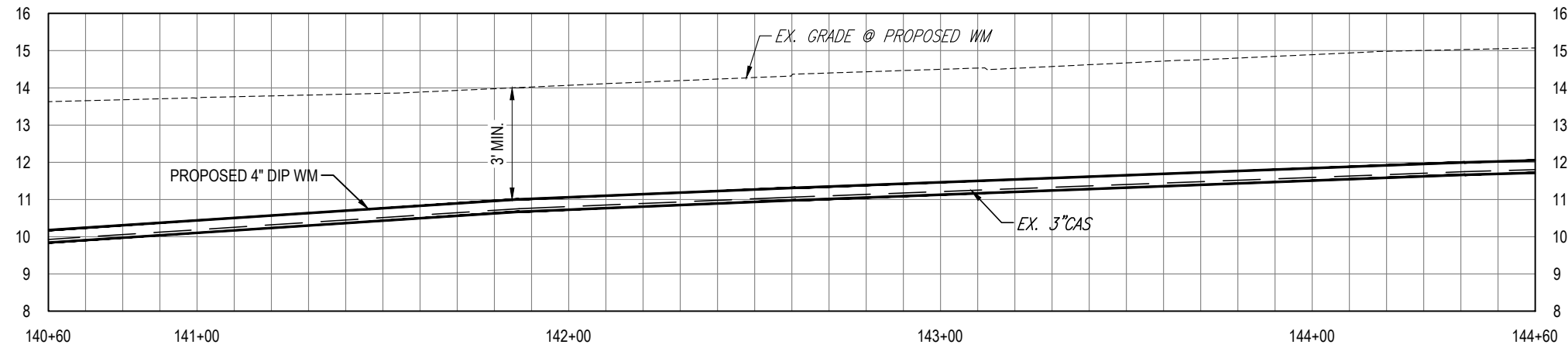
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 2.dwg, Oct 17, 2022, 8:22am

RORY A. JONES, P.E.  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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YORKSHIRE PROJECT

PLAN & PROFILE SHEET 20



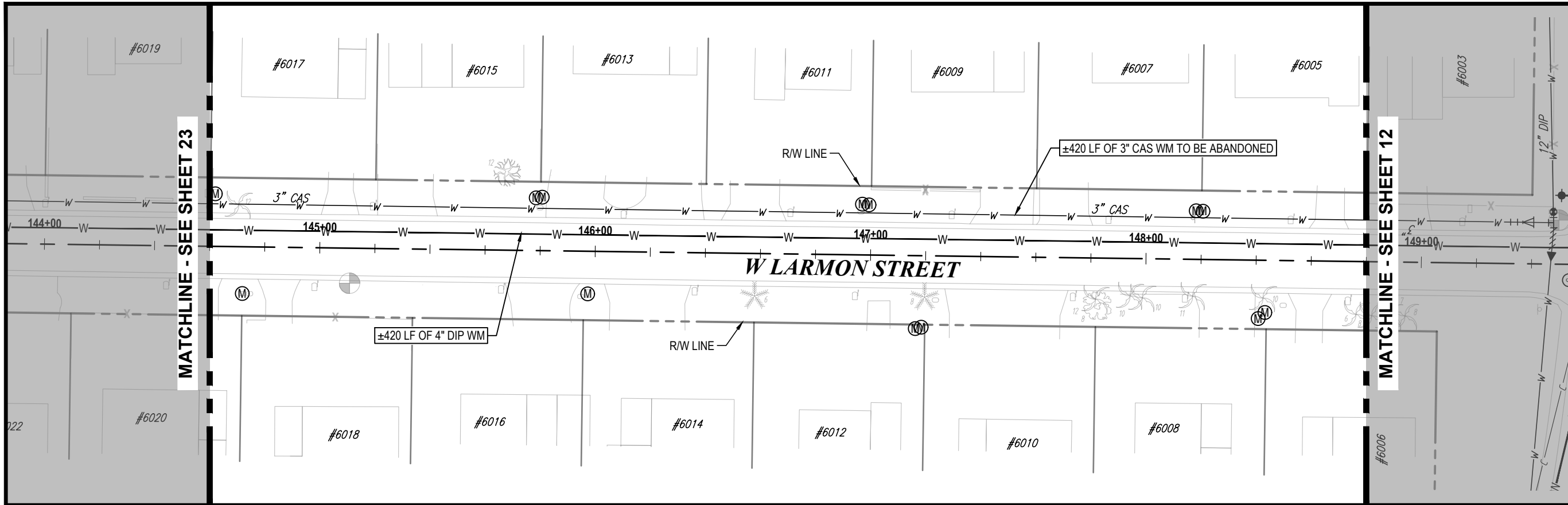
100% PLANS

WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

ATLAS PAGE E6-E7 SHEET 23 OF 80





NORTH

S36-T28S-R17E/S31-T28S-R18E

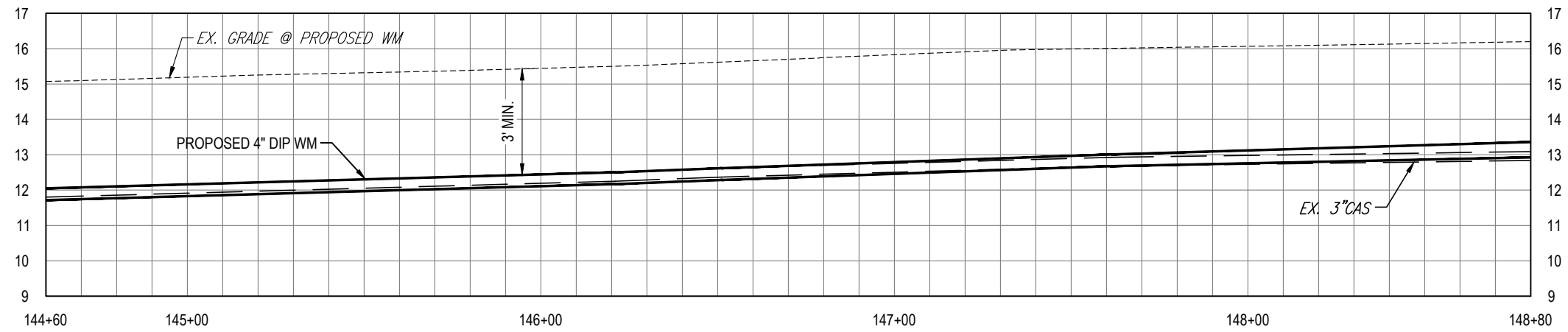
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 2.dwg, Oct 17, 2022, 8:22am

RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT

PLAN & PROFILE SHEET 21

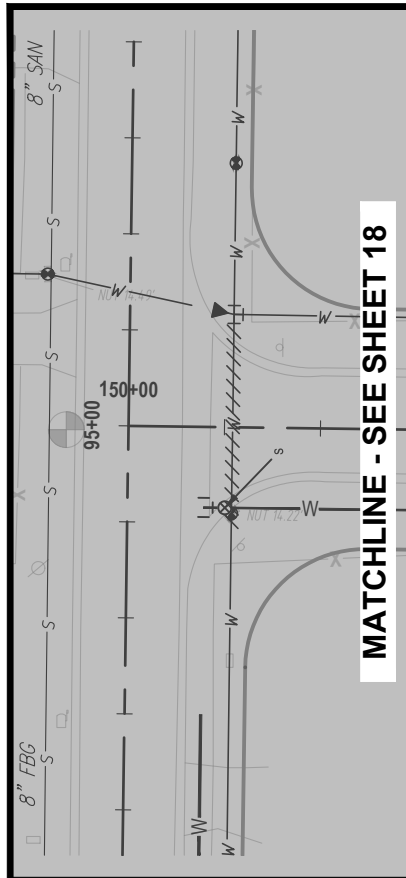


100% PLANS

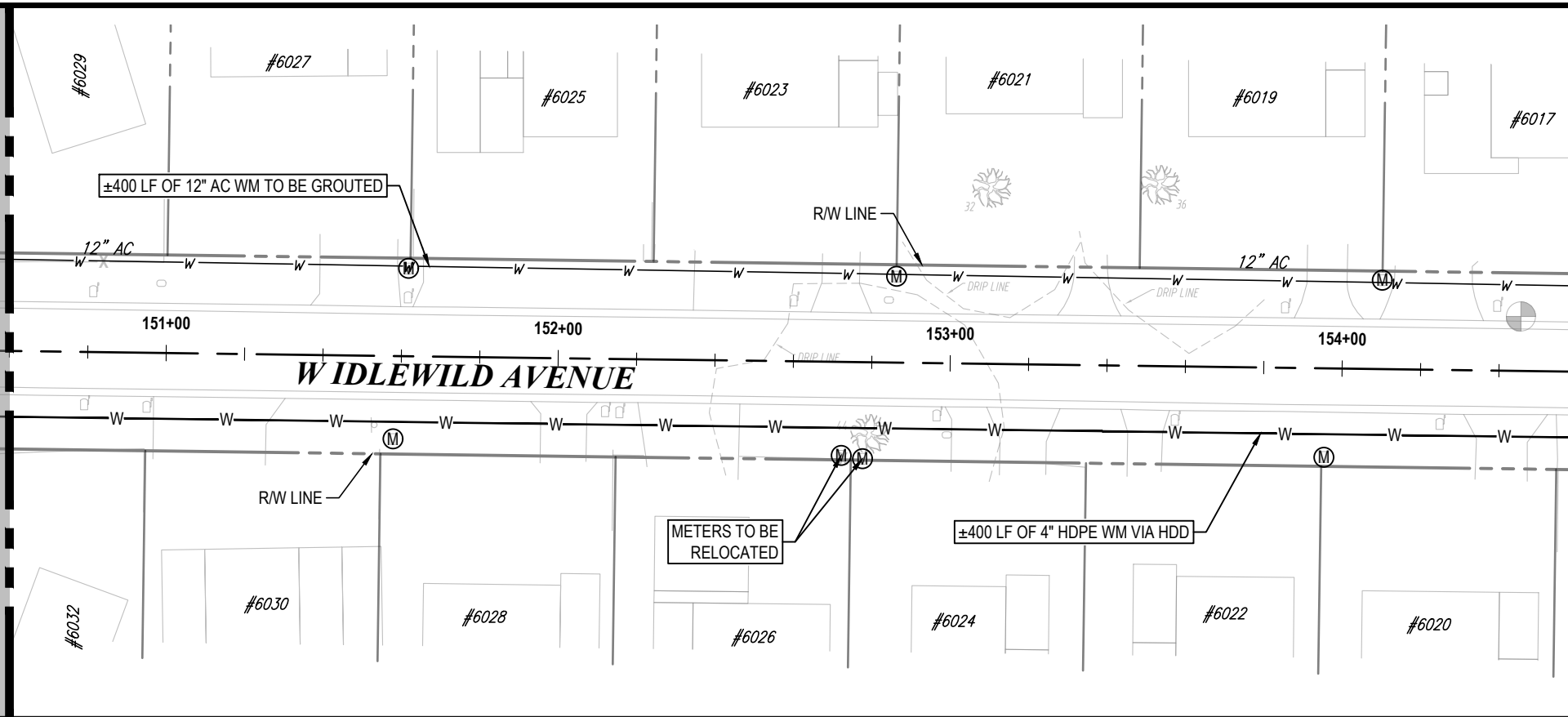
WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

ATLAS PAGE E6-E7 SHEET 24 OF 80



MATCHLINE - SEE SHEET 18



MATCHLINE - SEE SHEET 26

NORTH

S36-T28S-R17E/S31-T28S-R18E

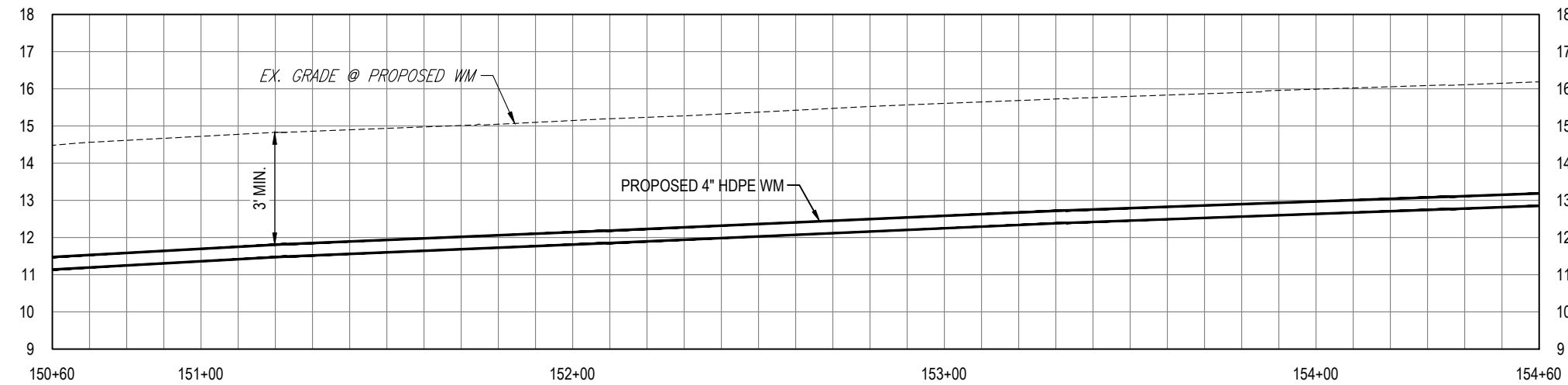
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 2.dwg, Oct 17, 2022 - 8:22am

RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

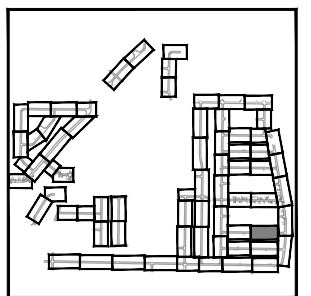
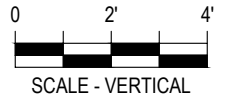
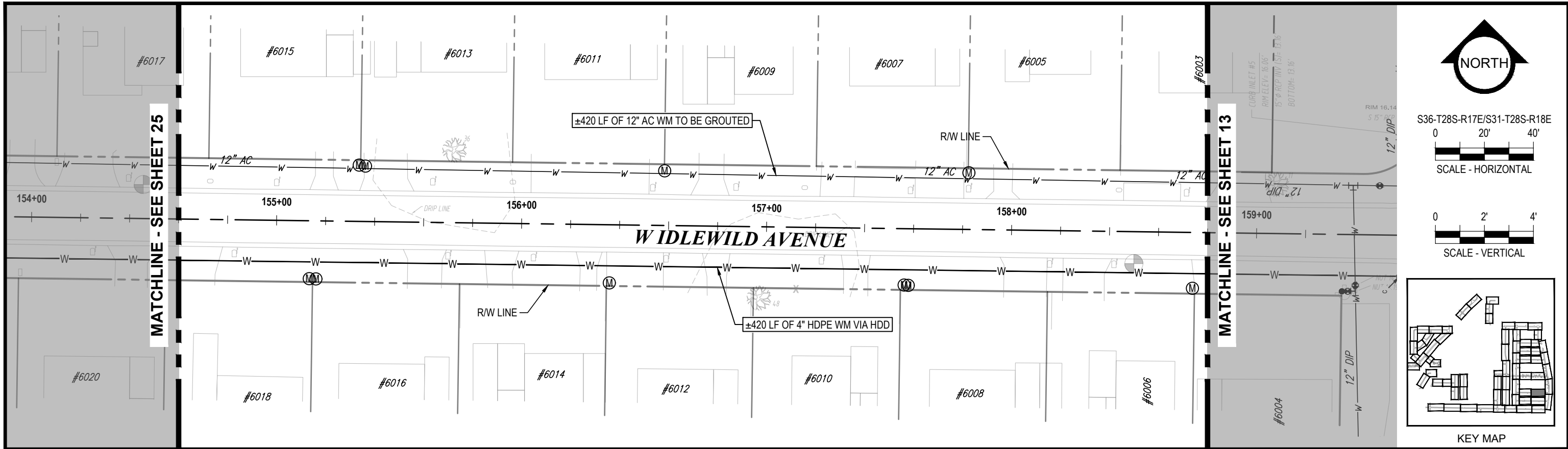
REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT

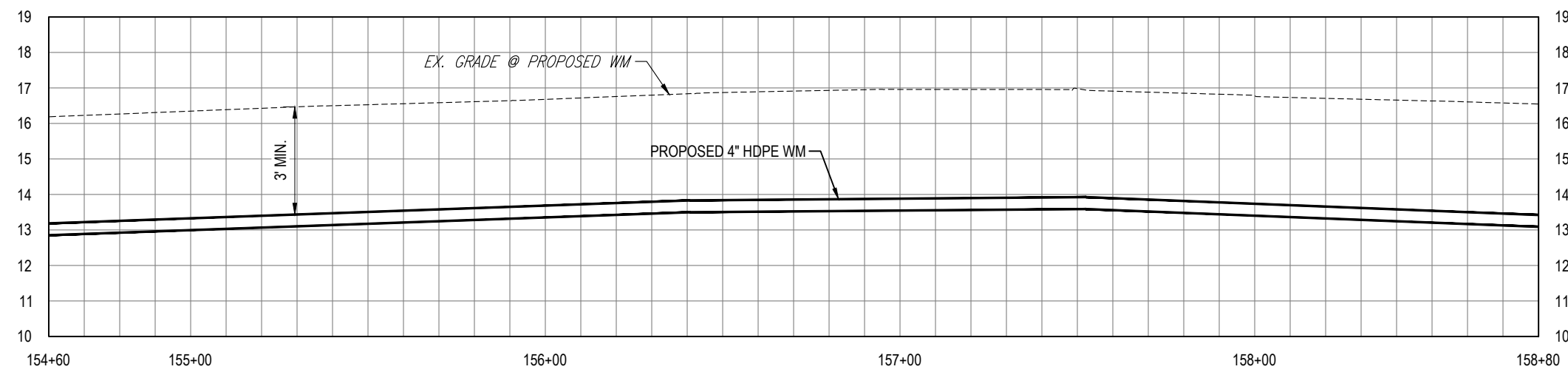
PLAN & PROFILE SHEET 22



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	25 OF 80



KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 2.dwg, Oct 17, 2022, 8:22am

RORY A. JONES, P.E.  
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.	.	.	.	DATE	12/01/20

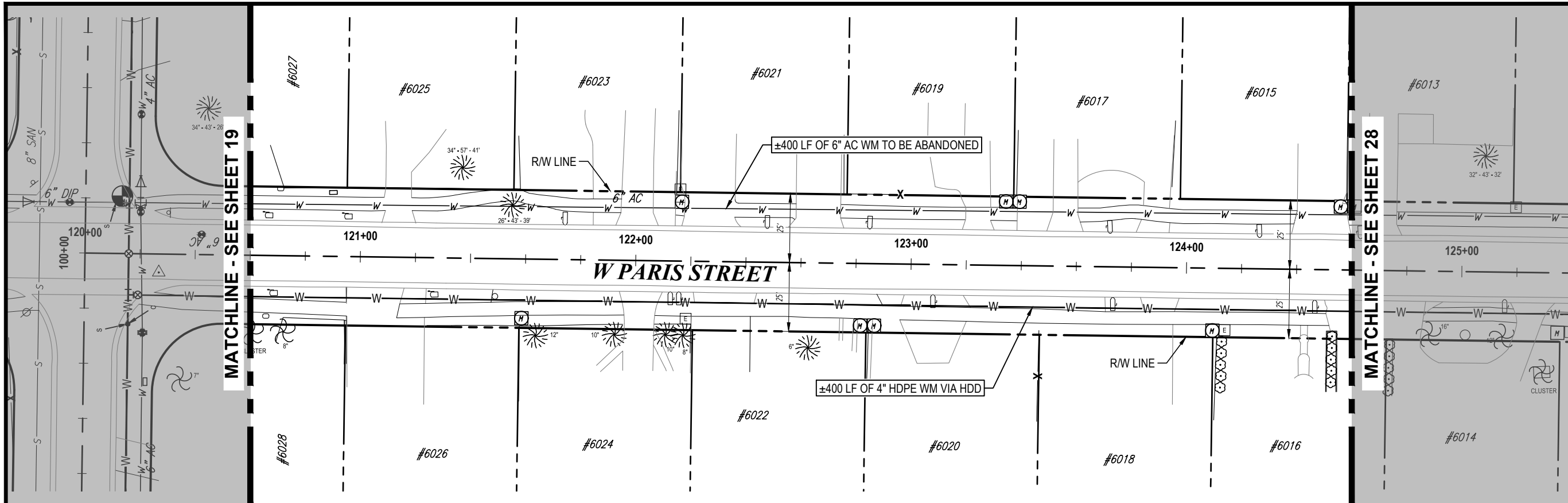
YORKSHIRE PROJECT

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PLAN & PROFILE SHEET 23



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	26 OF 80



NORTH

S36-T28S-R17E/S31-T28S-R18E

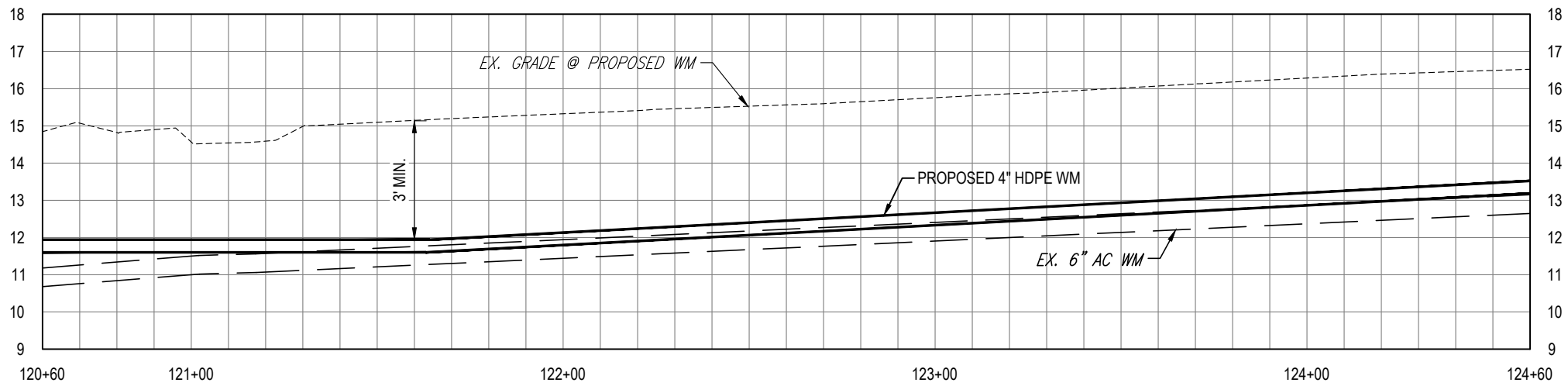
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 8.dwg, Oct 17, 2022, 8:22am

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.	.	.	.	DATE	12/01/20

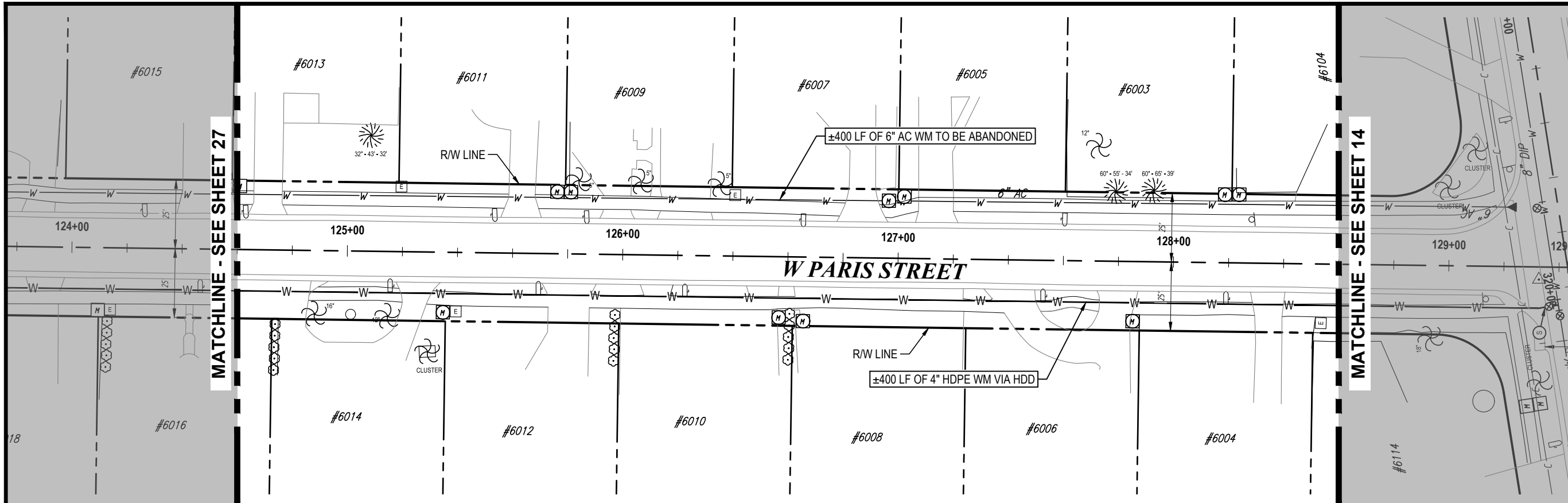
YORKSHIRE PROJECT

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PLAN & PROFILE SHEET 24



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	27 OF 80



NORTH

S36-T28S-R17E/S31-T28S-R18E

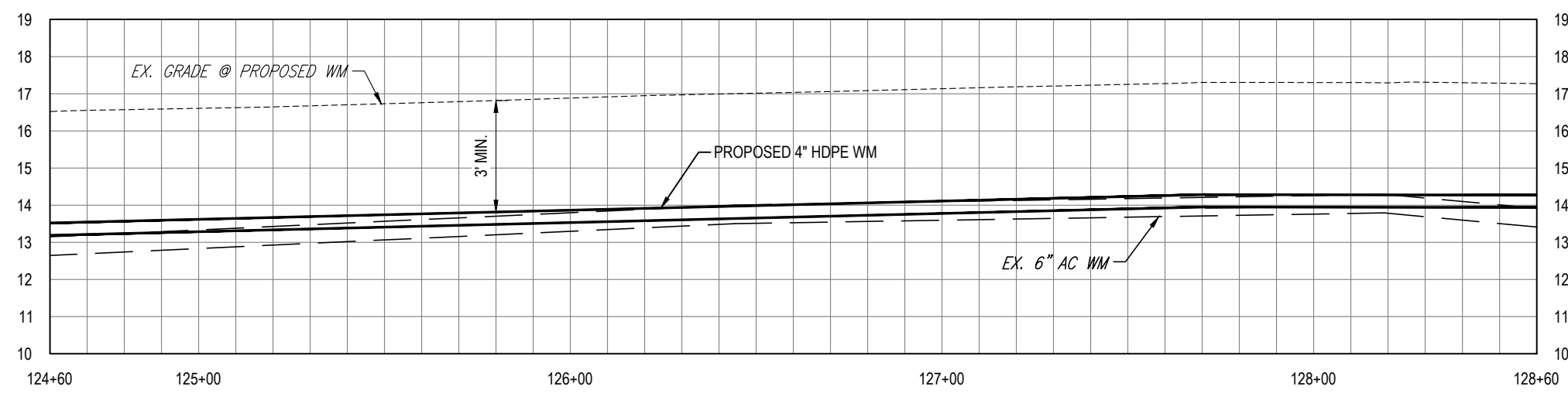
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 8.dwg, Oct 17, 2022, 8:23am

RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

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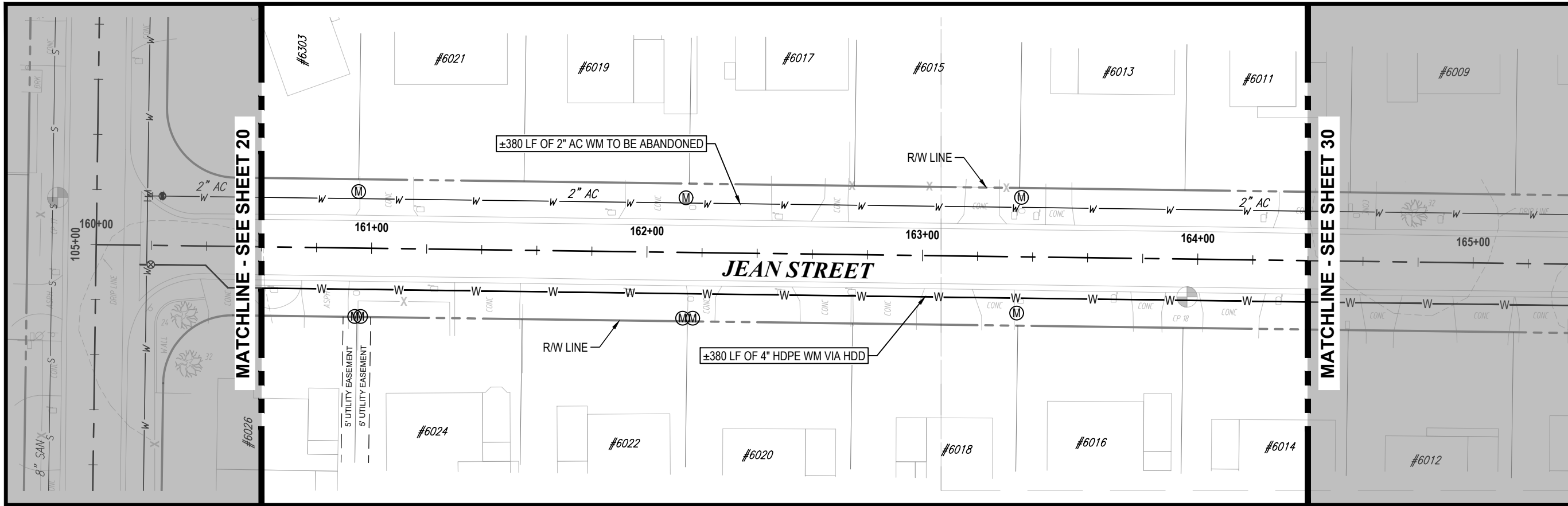
YORKSHIRE PROJECT

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PLAN & PROFILE SHEET 25



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE E6-E7	SHEET 28 OF 80



NORTH

S36-T28S-R17E/S31-T28S-R18E

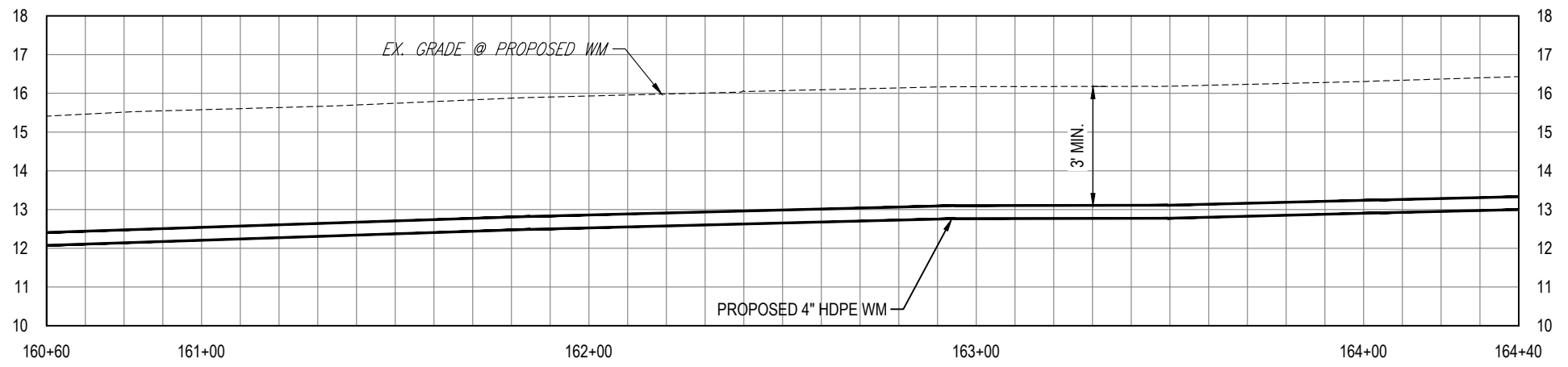
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SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20\WTR-20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 4.dwg, Oct 17, 2022, 8:23am

RORY A. JONES, P.E.  
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.	.	.	.	DATE	12/01/20

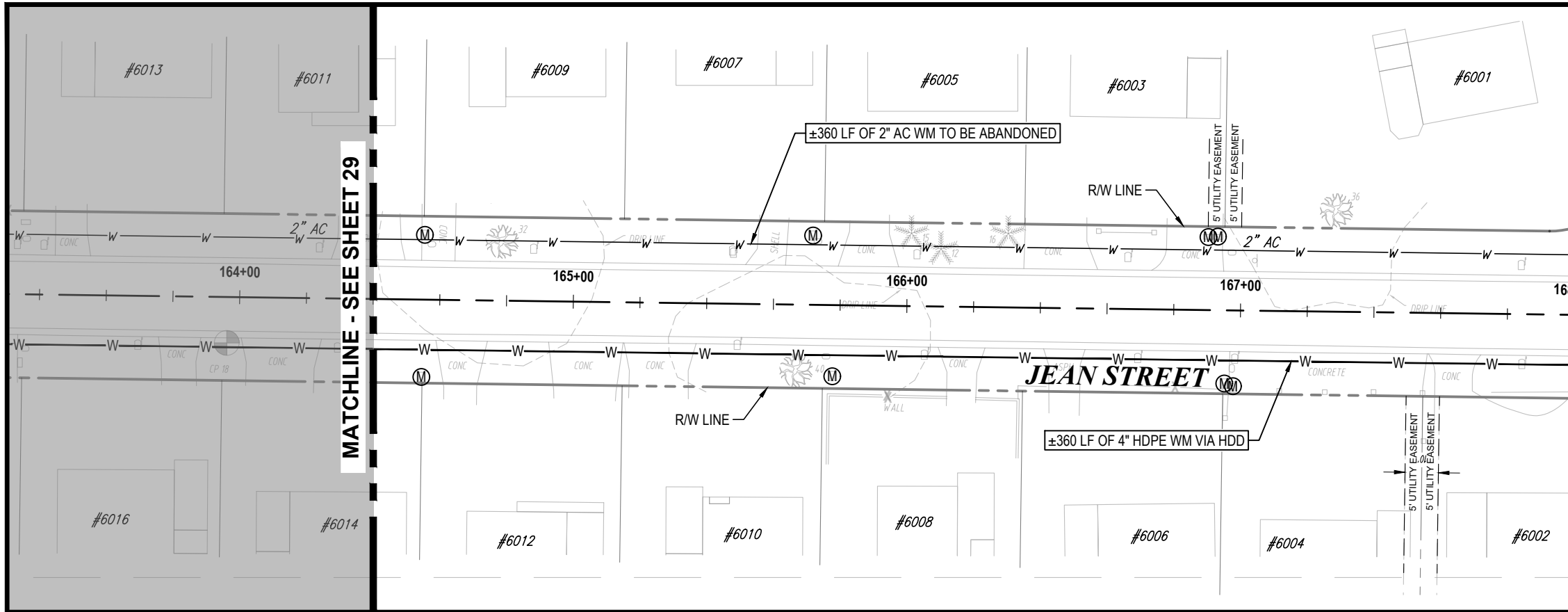
YORKSHIRE PROJECT

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PLAN & PROFILE SHEET 26



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE E6-E7	SHEET 29 OF 80



NORTH

S36-T28S-R17E/S31-T28S-R18E

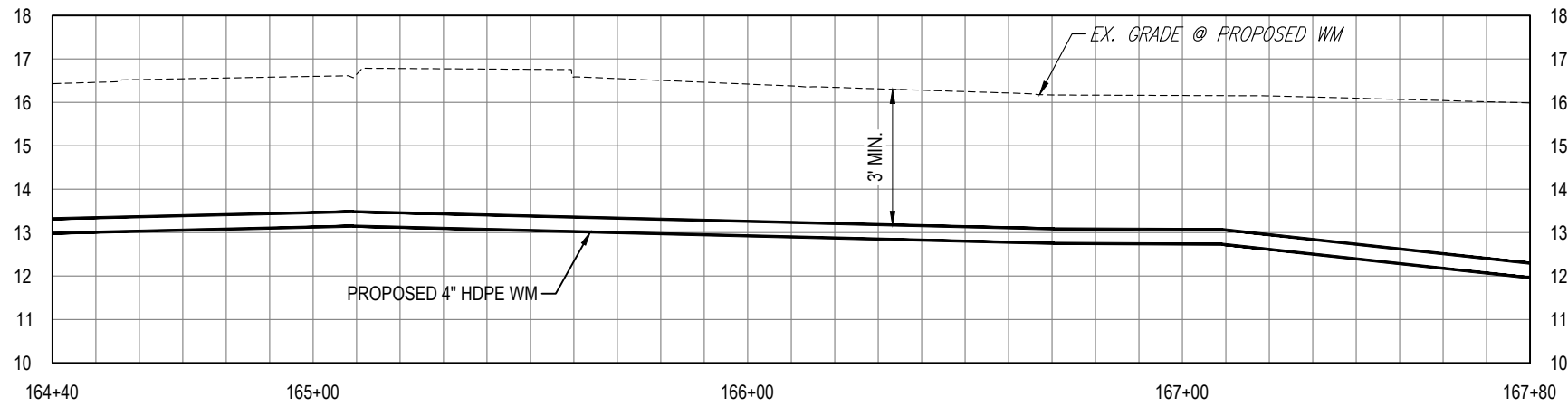
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 4.dwg, Oct 17, 2022, 8:23am

RORY A. JONES, P.E.  
CITY OF TAMPA WATER DEPT.  
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TAMPA, FLA. 33602  
P.E. #79453

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YORKSHIRE PROJECT

PLAN & PROFILE SHEET 27

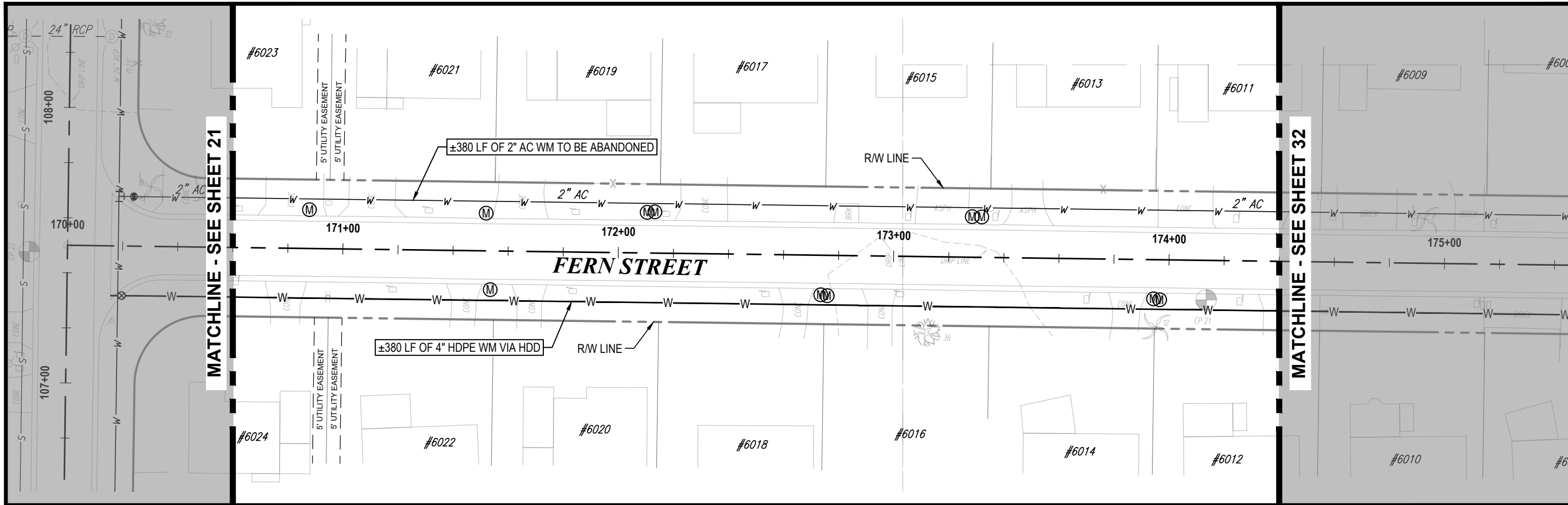


100% PLANS

WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

ATLAS PAGE E6-E7 SHEET 30 OF 80



NORTH

S36-T28S-R17E/S31-T28S-R18E

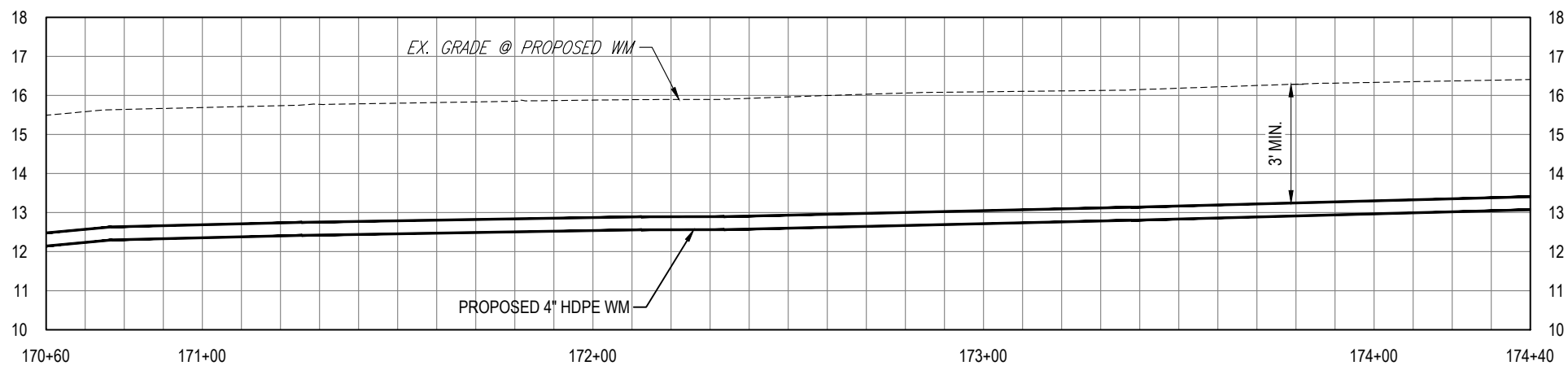
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 4.dwg, Oct 17, 2022, 8:23am

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YORKSHIRE PROJECT

PLAN & PROFILE SHEET 28



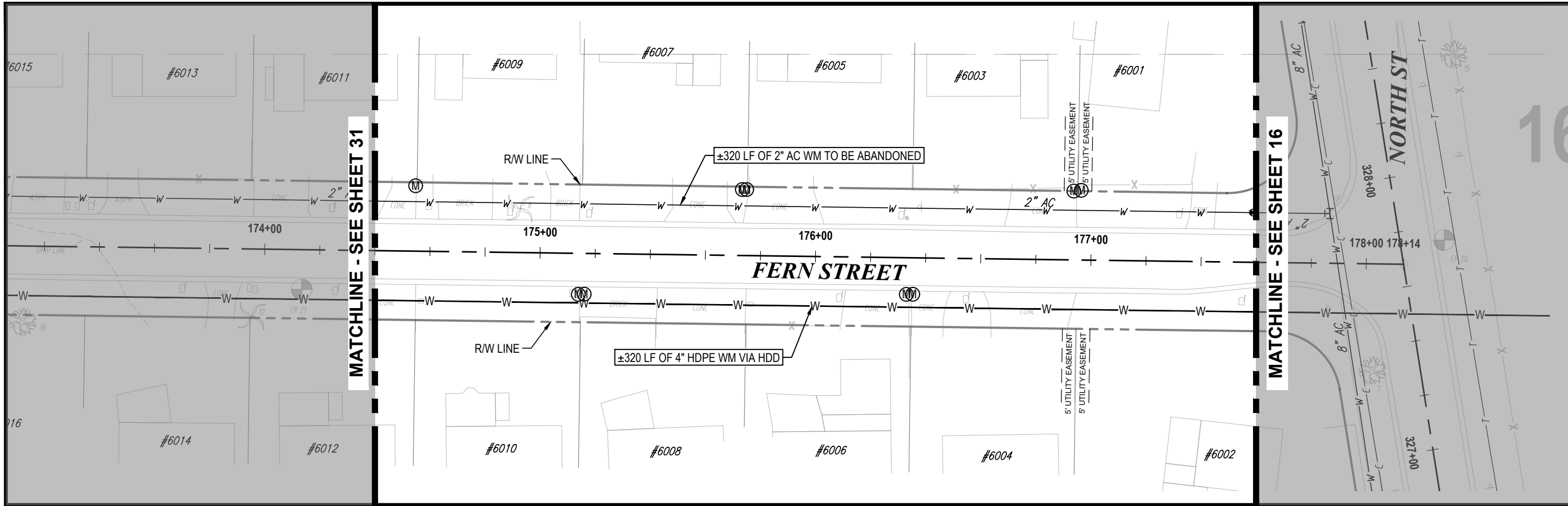
100% PLANS

WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

ATLAS PAGE E6-E7 SHEET 31 OF 80





NORTH

S36-T28S-R17E/S31-T28S-R18E

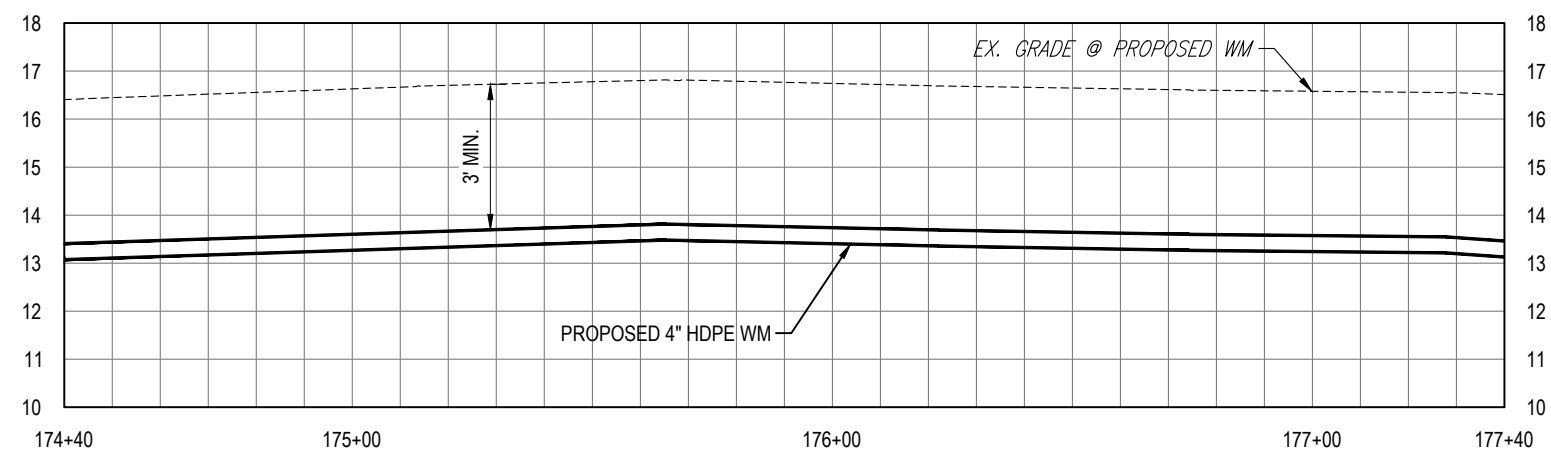
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



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RORY A. JONES, P.E.  
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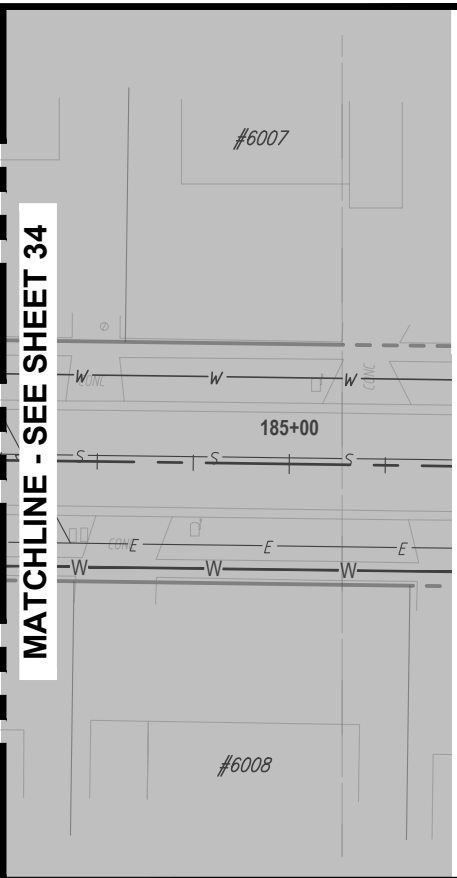
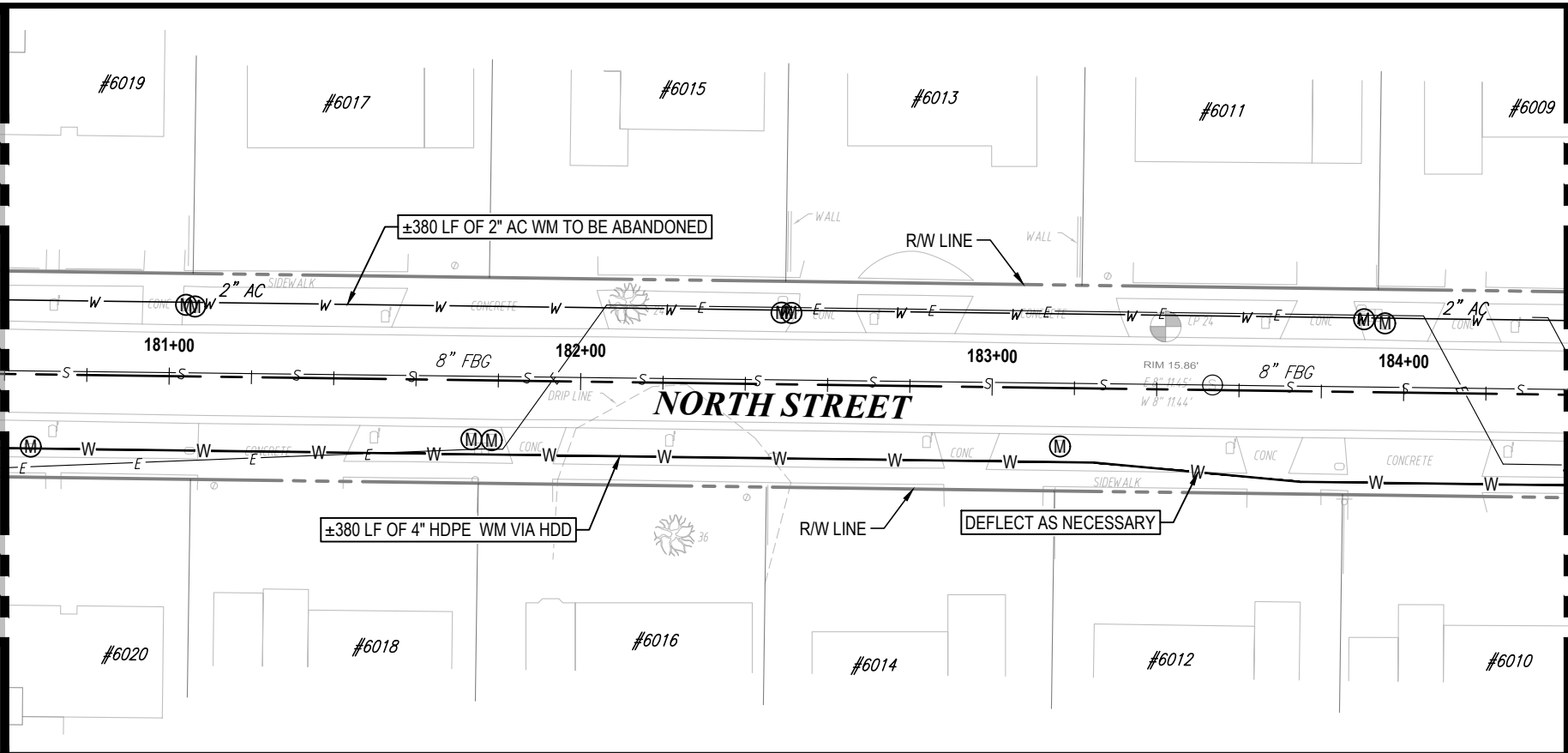
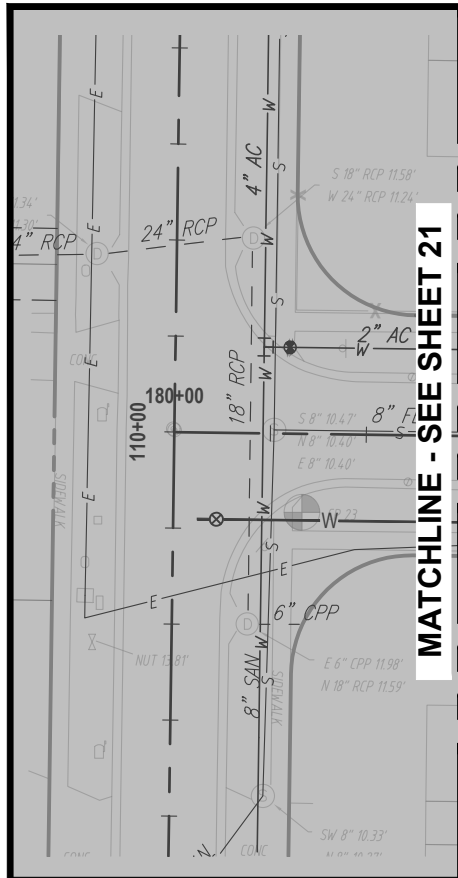
YORKSHIRE PROJECT

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PLAN & PROFILE SHEET 29



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	32 OF 80



NORTH

S36-T28S-R17E/S31-T28S-R18E

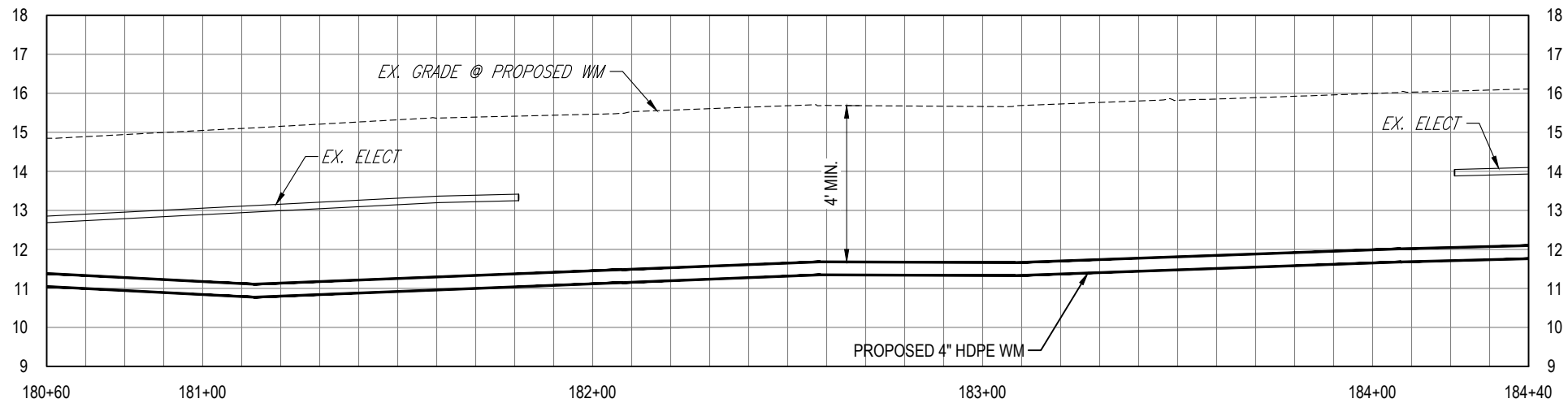
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 4.dwg, Oct 17, 2022, 8:24am

RORY A. JONES, P.E.  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT

PLAN & PROFILE SHEET 30

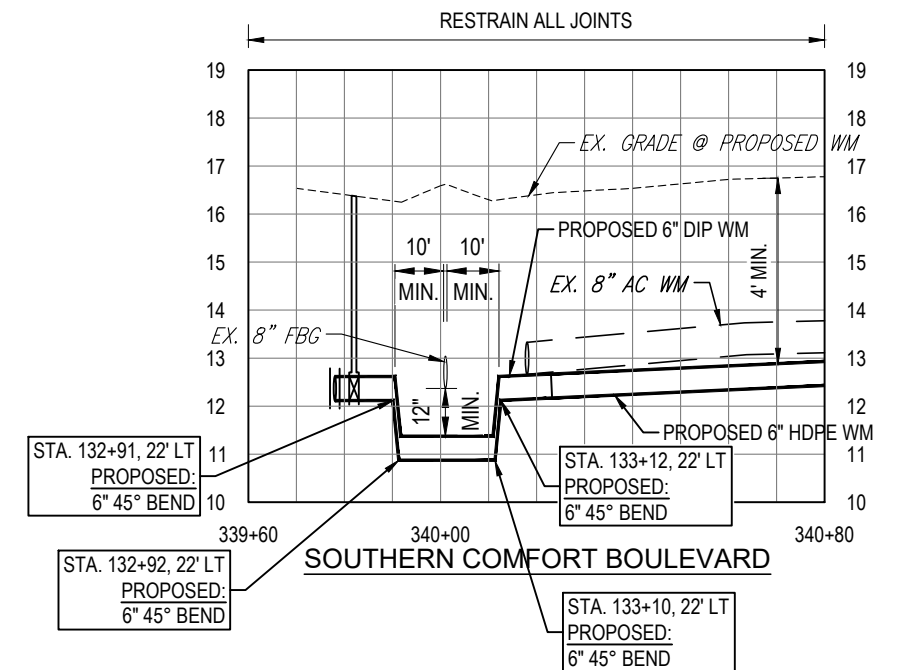
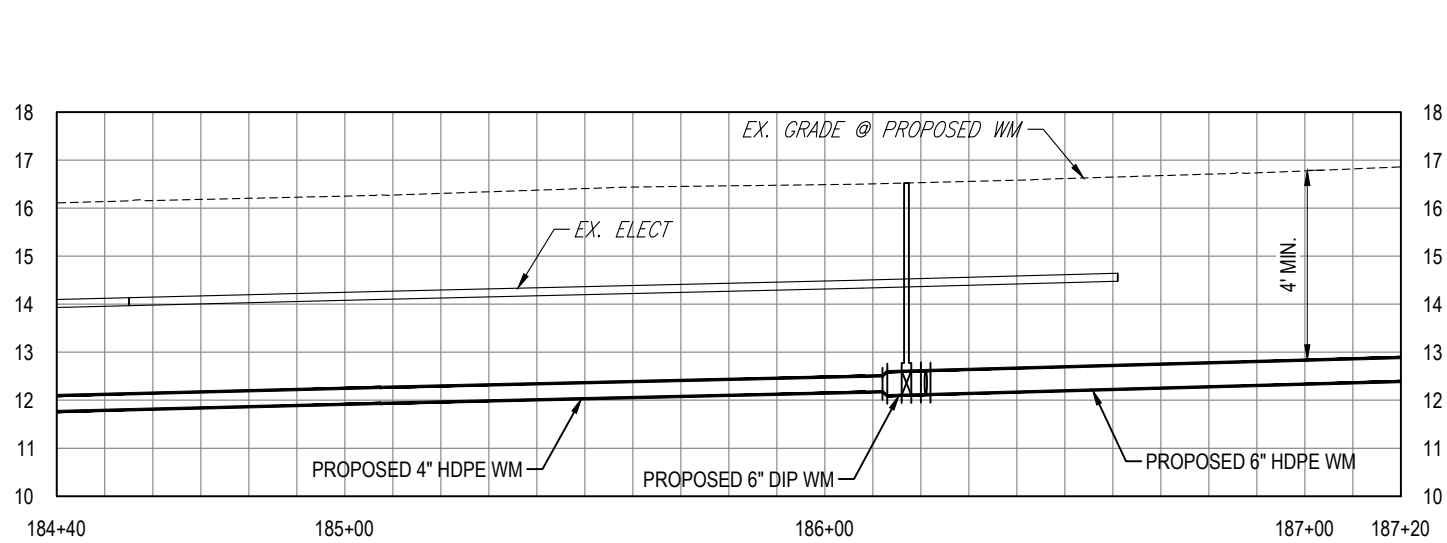
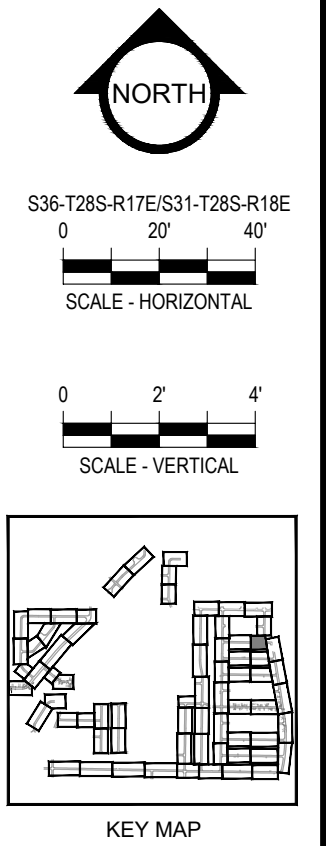
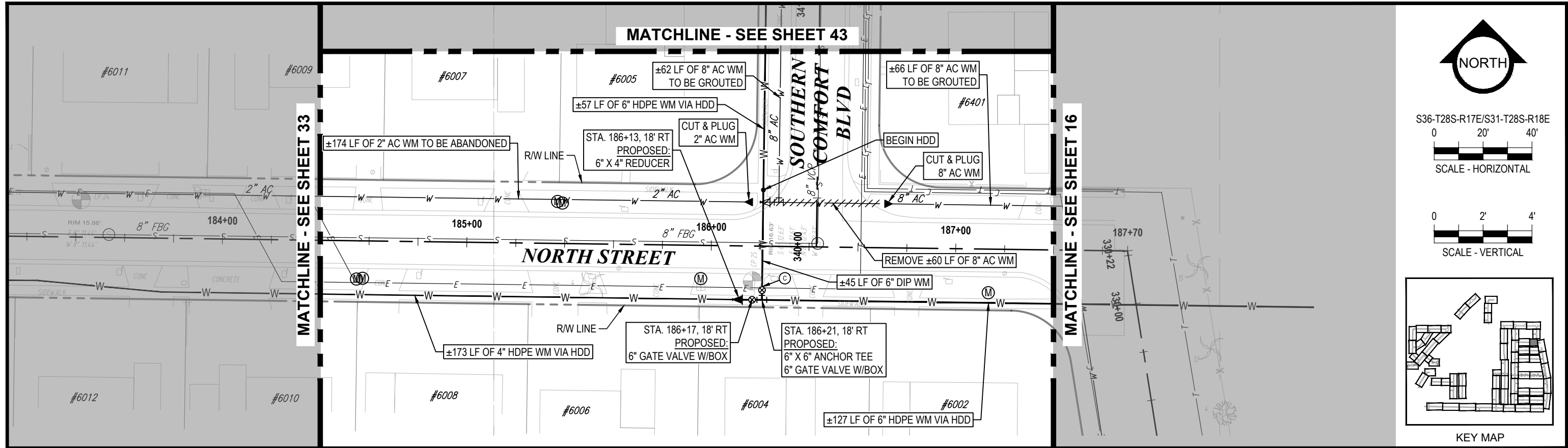


100% PLANS

WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

ATLAS PAGE E6-E7 SHEET 33 OF 80



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 4.dwg Oct 17, 2022 8:24am

**RORY A. JONES, P.E.**  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
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.	.	.	.	DATE	12/01/20

**YORKSHIRE PROJECT**

**PLAN & PROFILE SHEET 31**

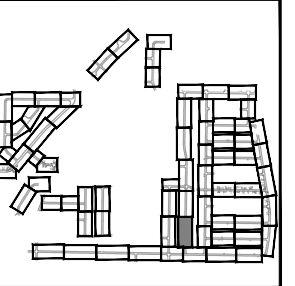
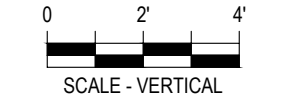
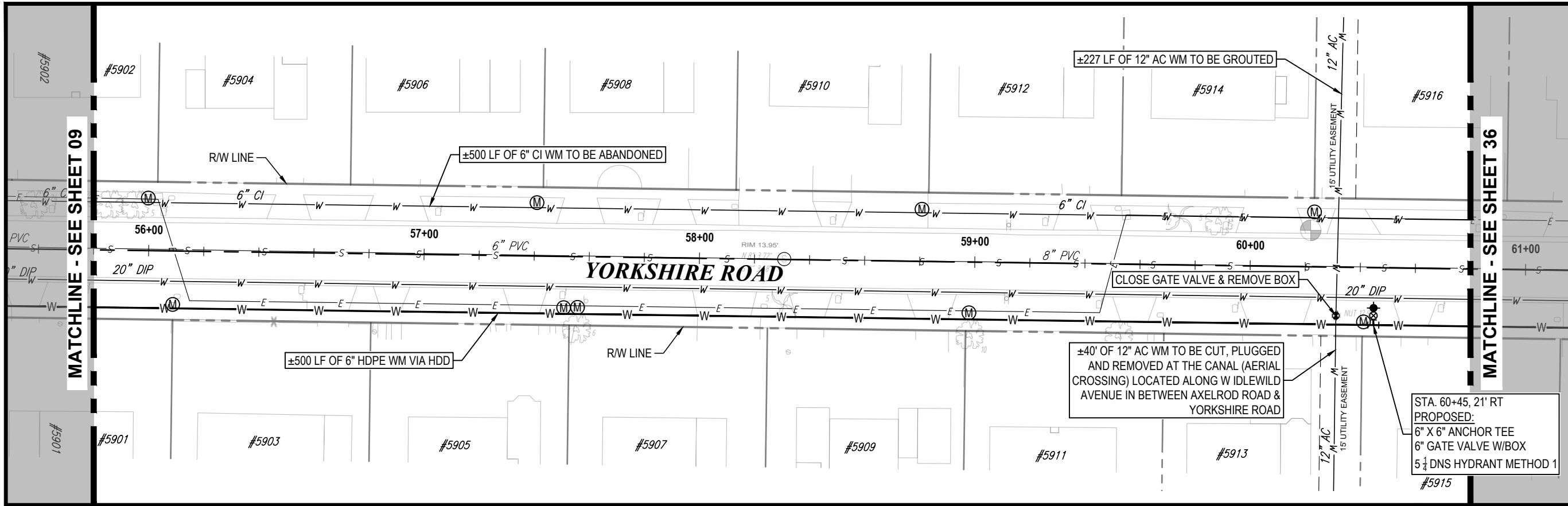


**100% PLANS**

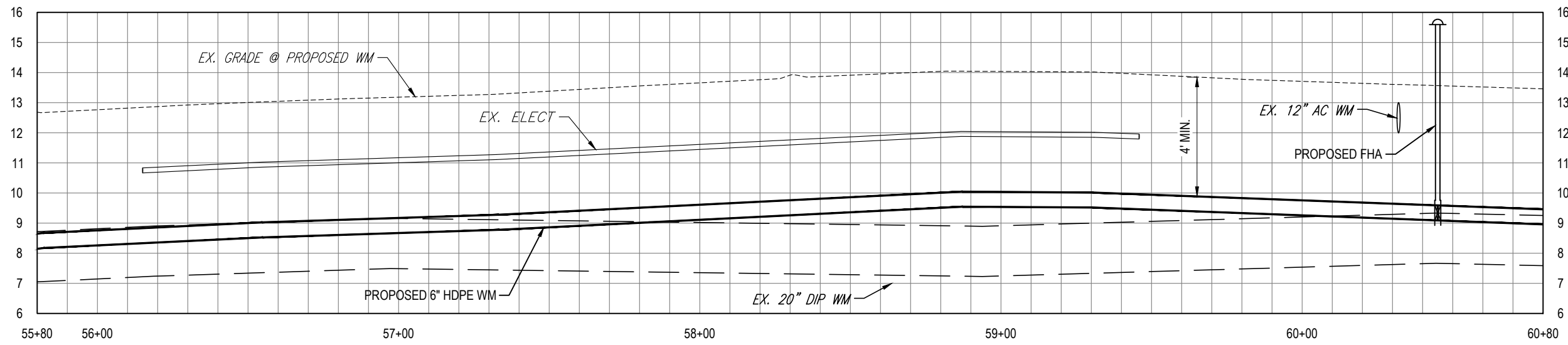
WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

ATLAS PAGE E6-E7 SHEET 34 OF 80



KEY MAP



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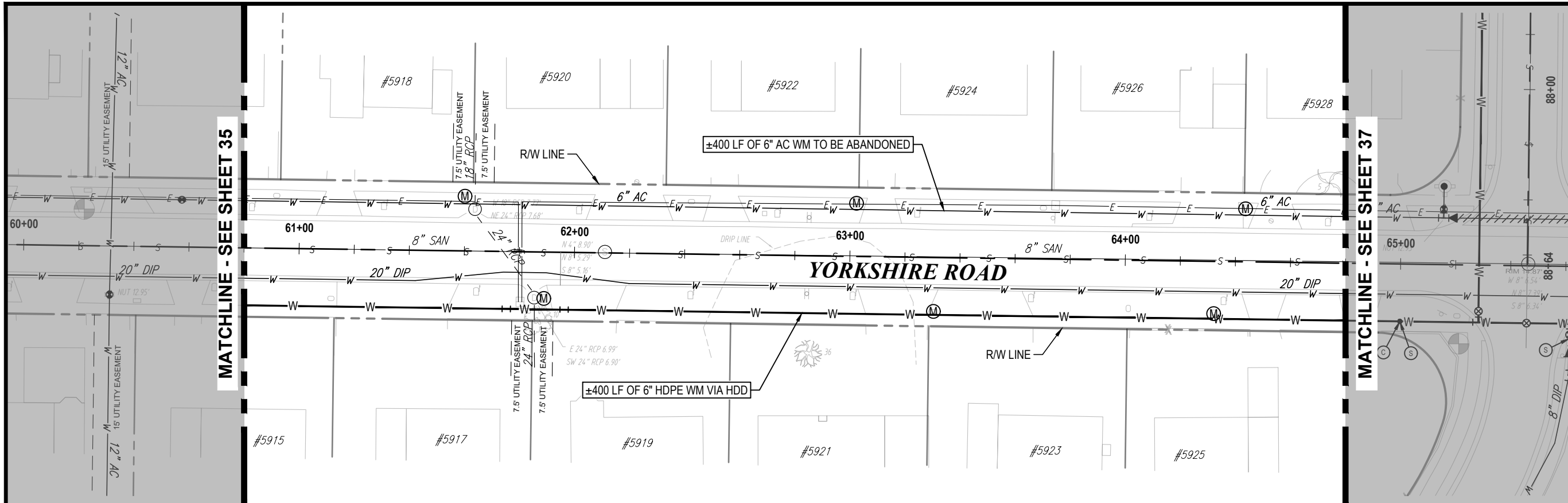
RORY A. JONES, P.E.  
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REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT  
 PLAN & PROFILE SHEET 32

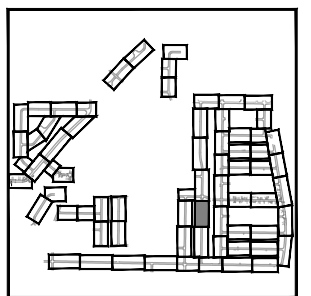


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WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	35 OF 80

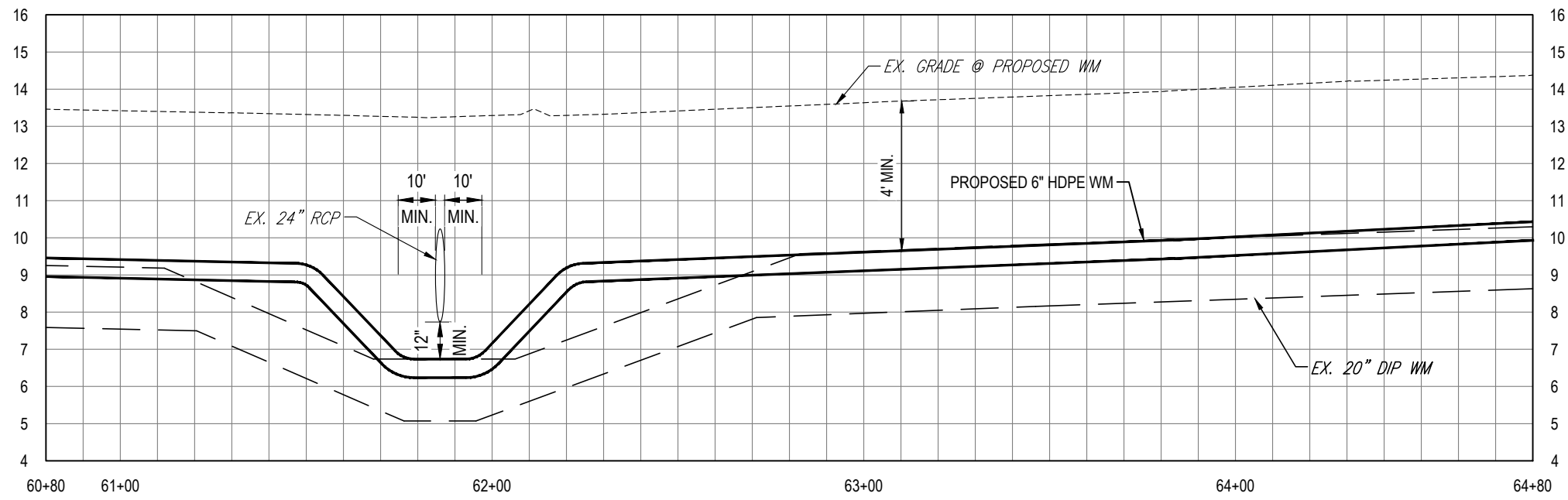


S36-T28S-R17E/S31-T28S-R18E  
 0 20' 40'  
 SCALE - HORIZONTAL

0 2' 4'  
 SCALE - VERTICAL



KEY MAP



K:\Projects\WTR\20\WTR-20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 3.dwg, Oct 17, 2022, 8:24am

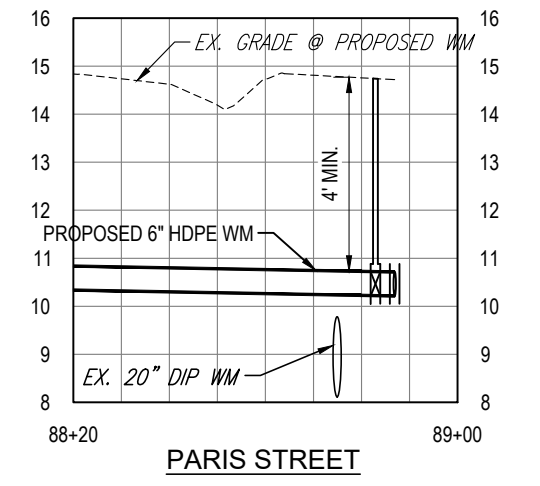
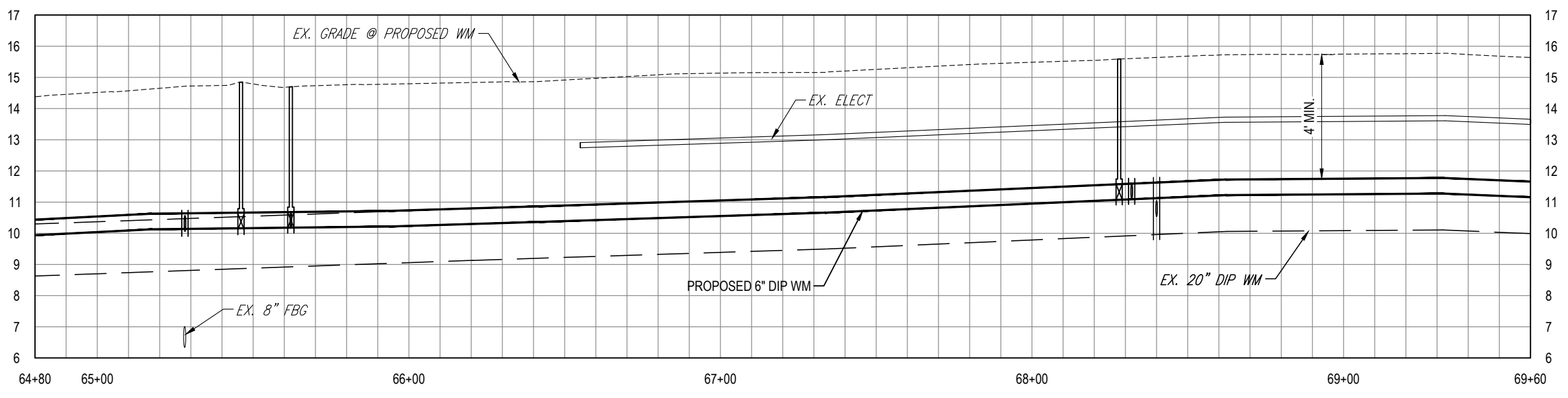
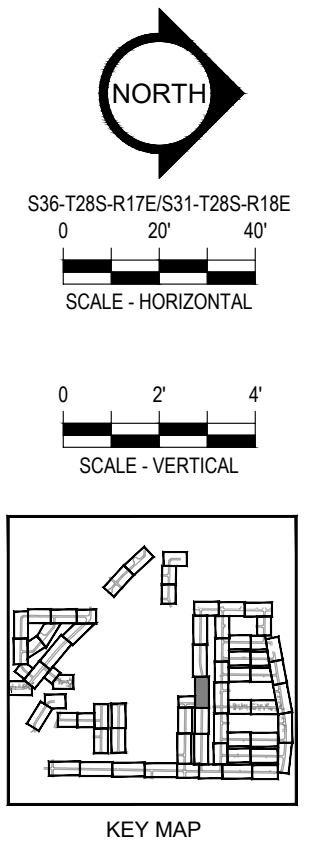
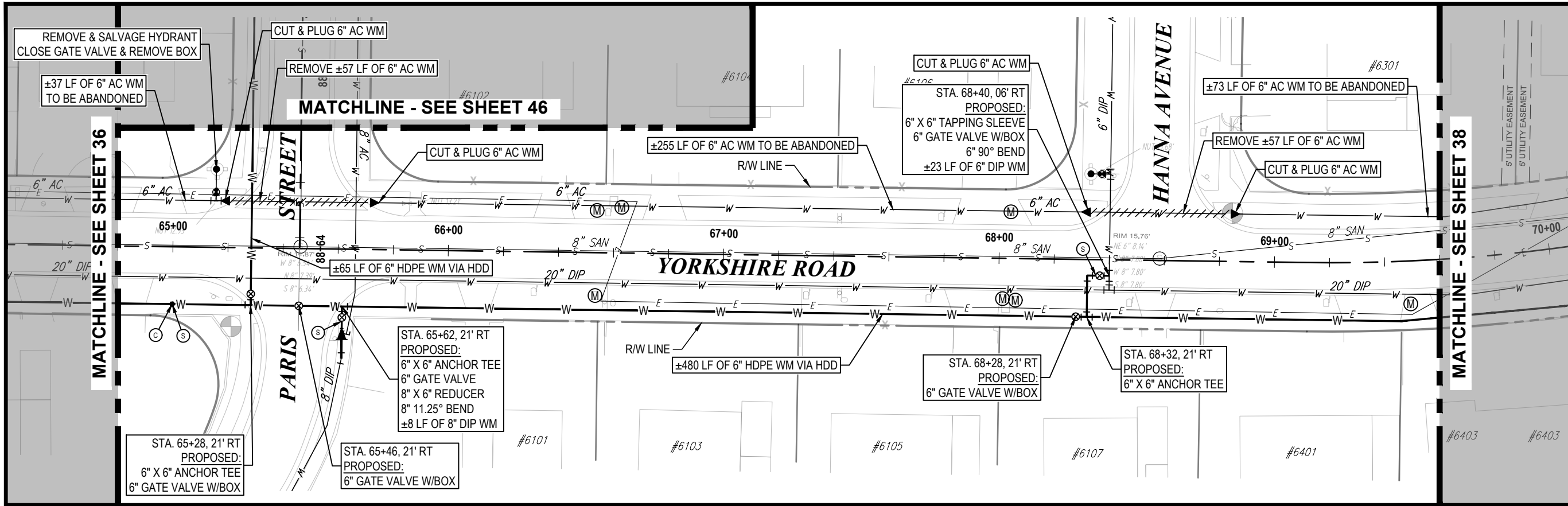
RORY A. JONES, P.E.  
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.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT  
 PLAN & PROFILE SHEET 33



100% PLANS  
 WORK ORDER NO. WTR-20-0012  
 RECORD DRAWING NO.  
 ATLAS PAGE E6-E7 SHEET 36 OF 80



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 3.dwg, Oct 17, 2022, 8:25am

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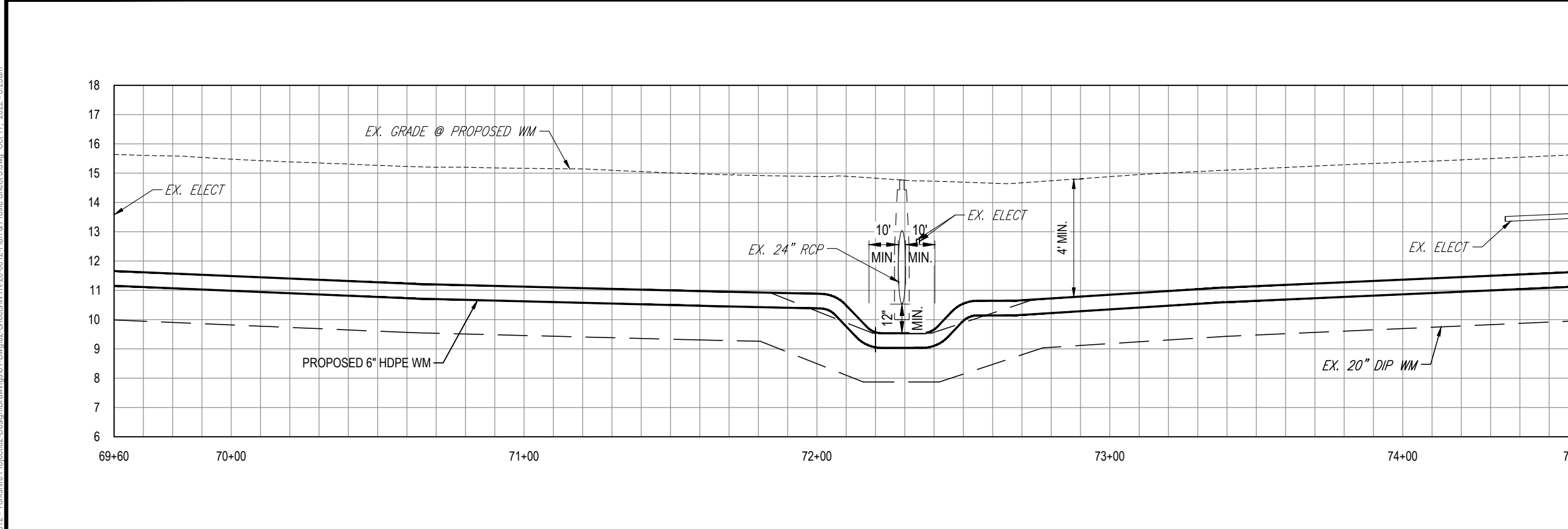
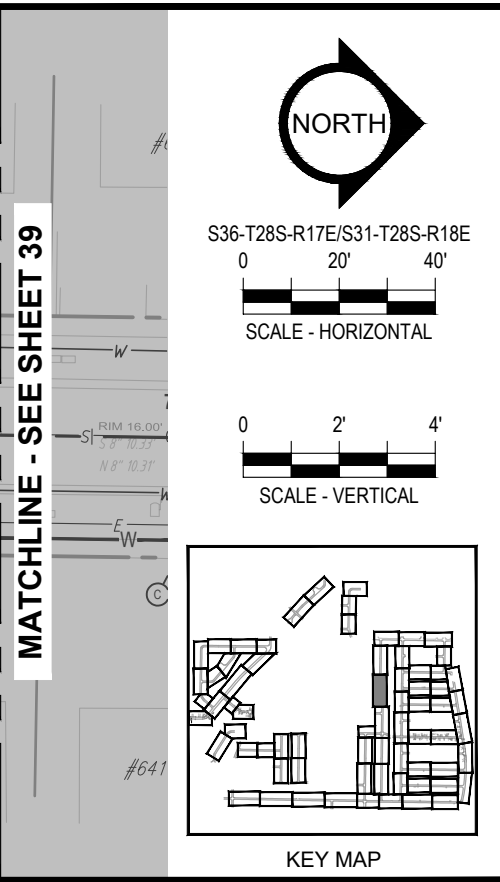
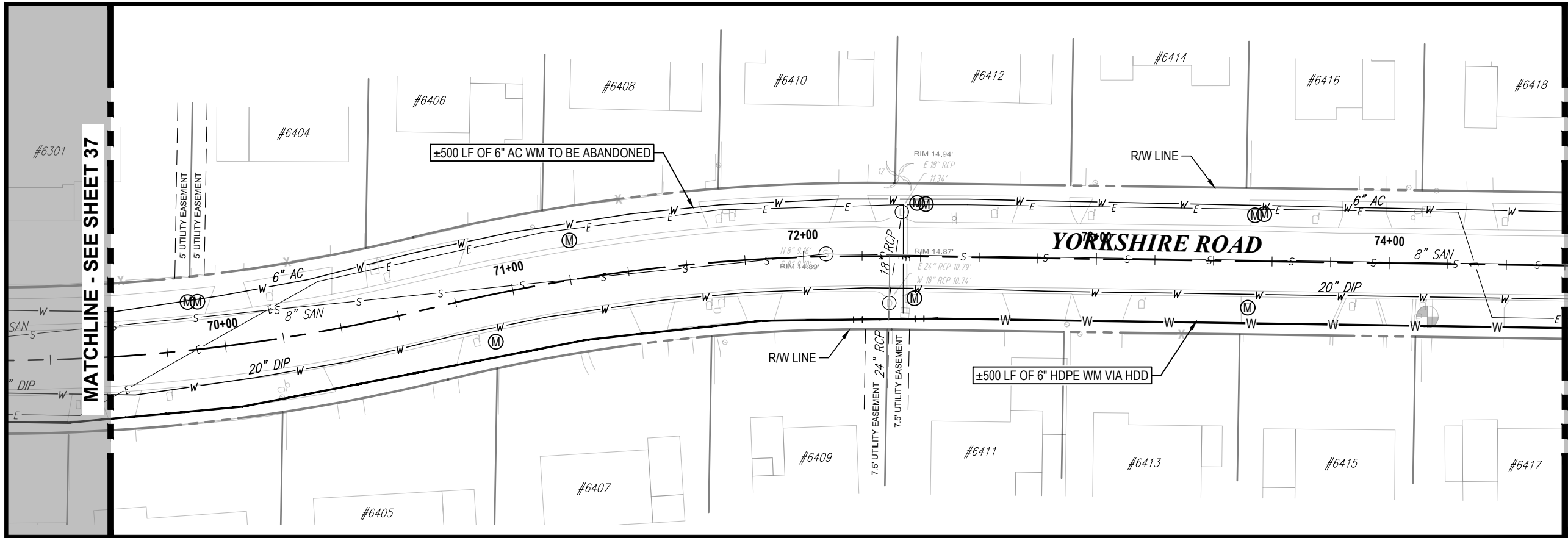
**YORKSHIRE PROJECT**

**PLAN & PROFILE SHEET 34**



**100% PLANS**

WORK ORDER NO. WTR-20-0012  
 RECORD DRAWING NO.  
 ATLAS PAGE E6-E7 SHEET 37 OF 80



RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
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 TAMPA, FLA. 33602  
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REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	DATE	12/01/20

**YORKSHIRE PROJECT**

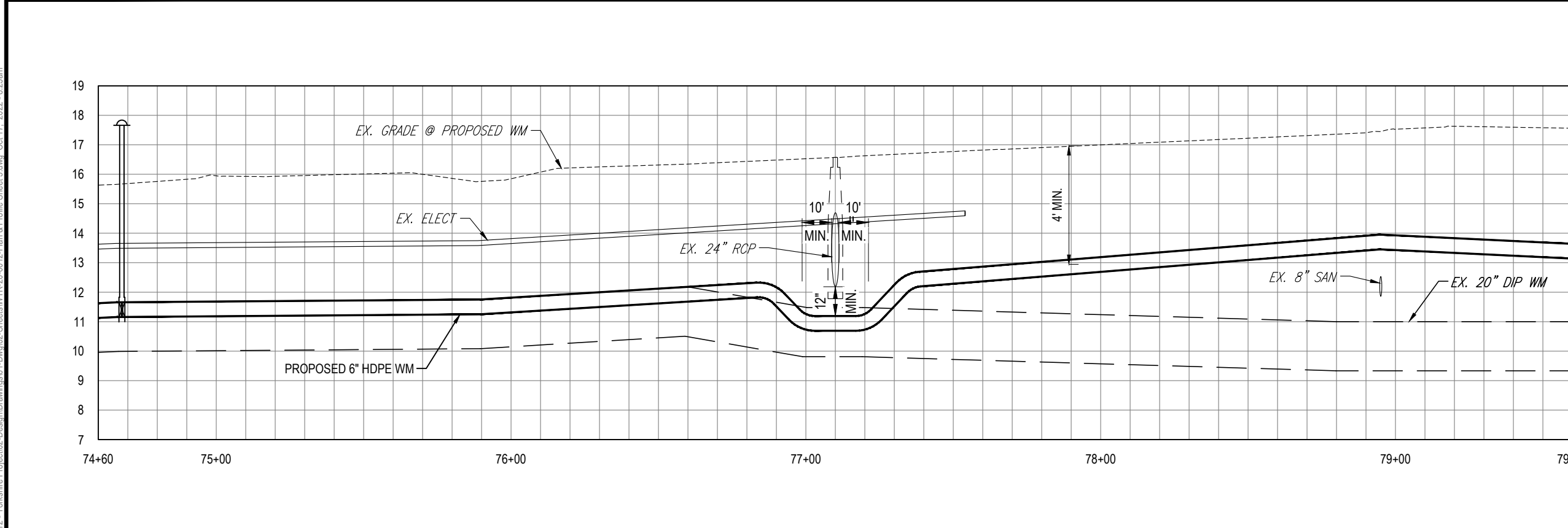
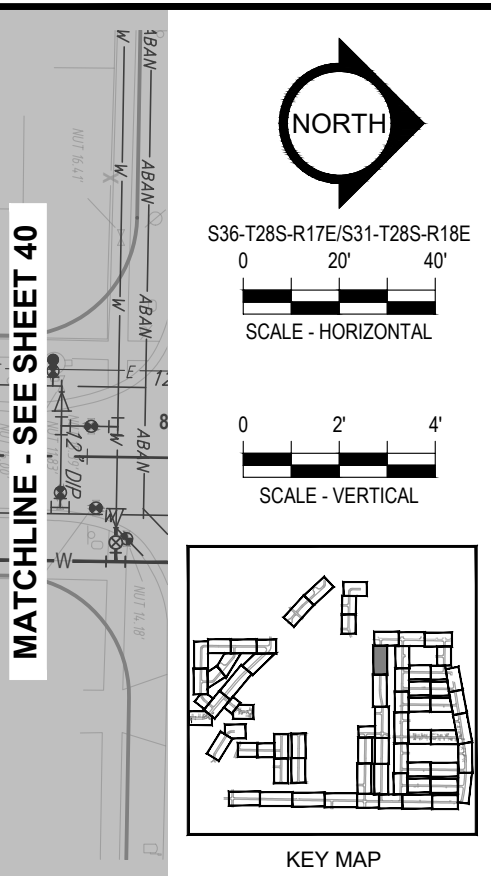
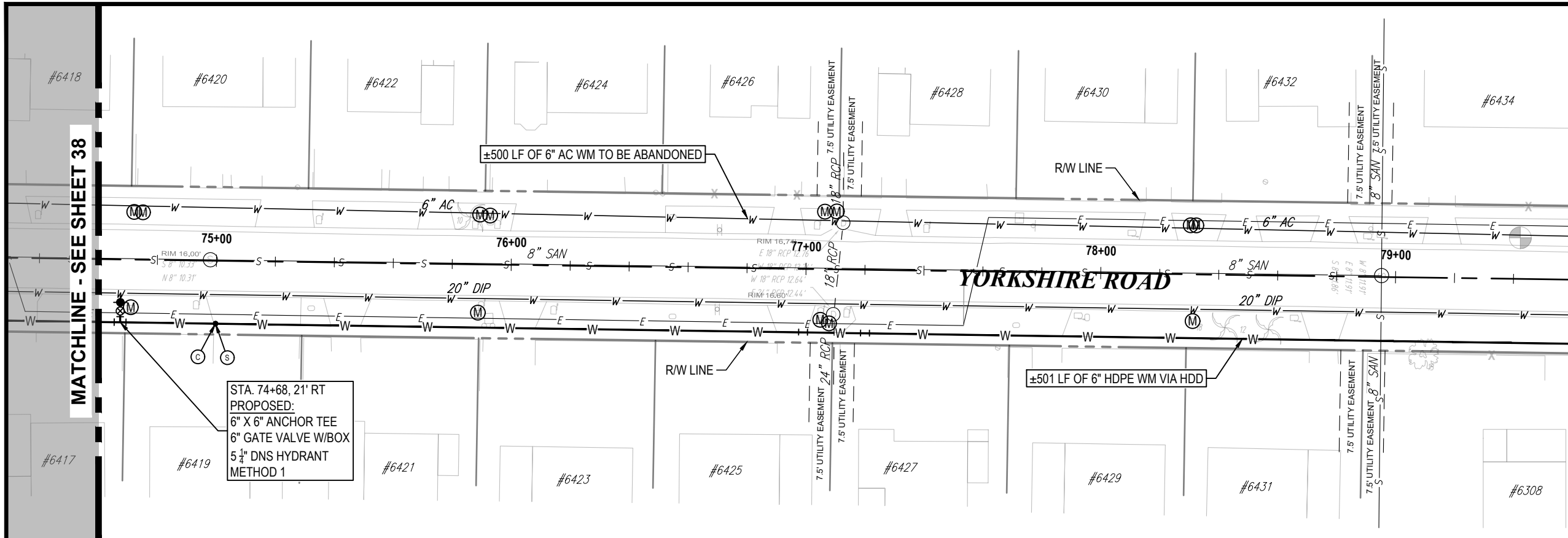
**PLAN & PROFILE SHEET 35**



**100% PLANS**

WORK ORDER NO. WTR-20-0012  
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 ATLAS PAGE E6-E7 SHEET 38 OF 80

K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 3.dwg, Oct 17, 2022, 8:25am



RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
.	.	.	.	SLS	.
.	.	.	.	RAJ	.
.	.	.	.	12/01/20	.

**YORKSHIRE PROJECT**

**PLAN & PROFILE SHEET 36**

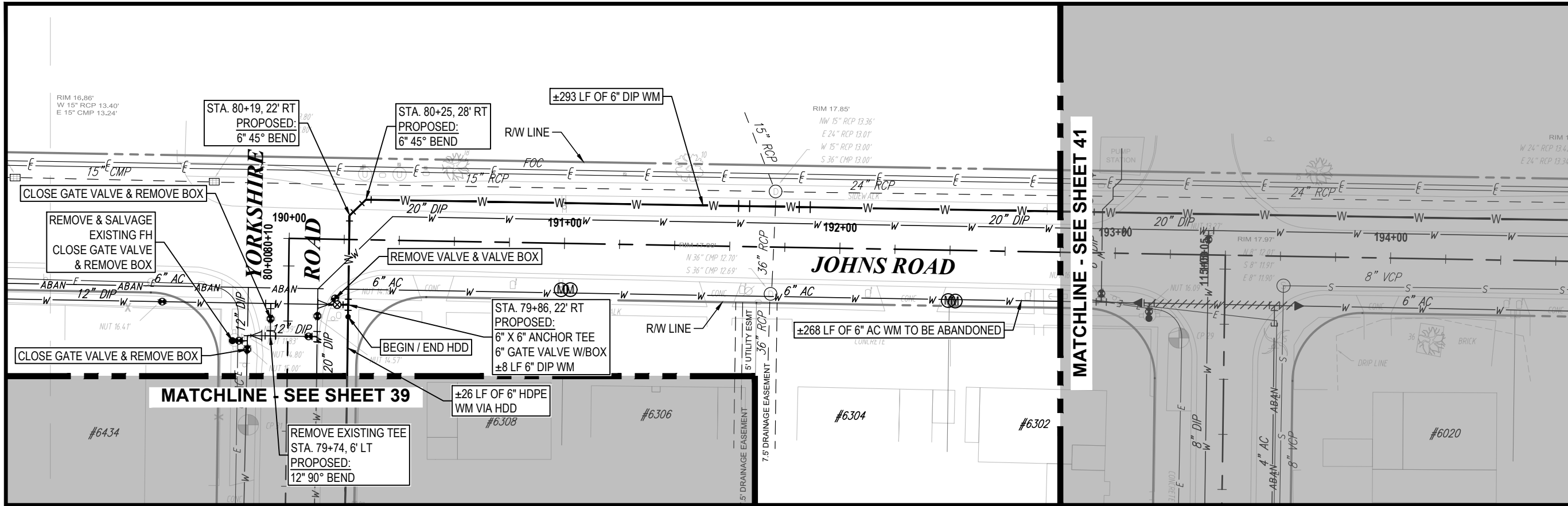


**100% PLANS**

WORK ORDER NO. WTR-20-0012  
 RECORD DRAWING NO.  
 ATLAS PAGE E6-E7 SHEET 39 OF 80

K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 3.dwg, Oct 17, 2022, 8:25am





NORTH

S36-T28S-R17E/S31-T28S-R18E

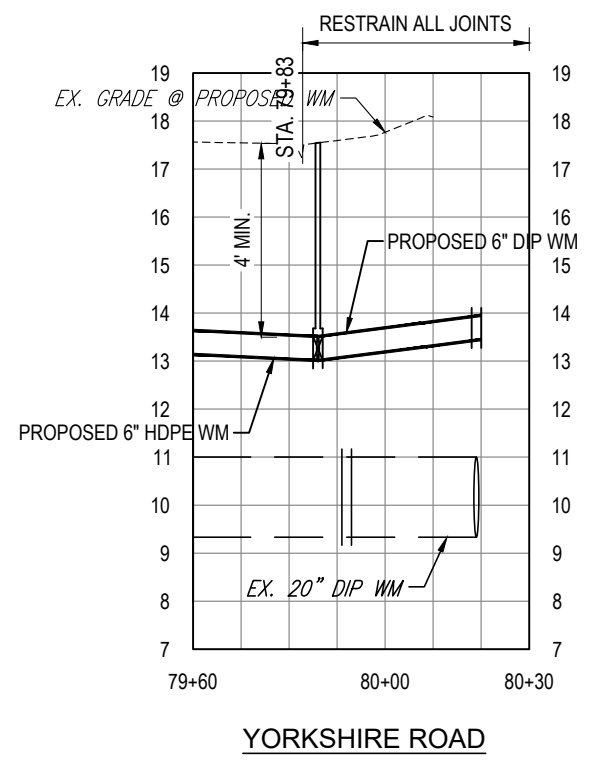
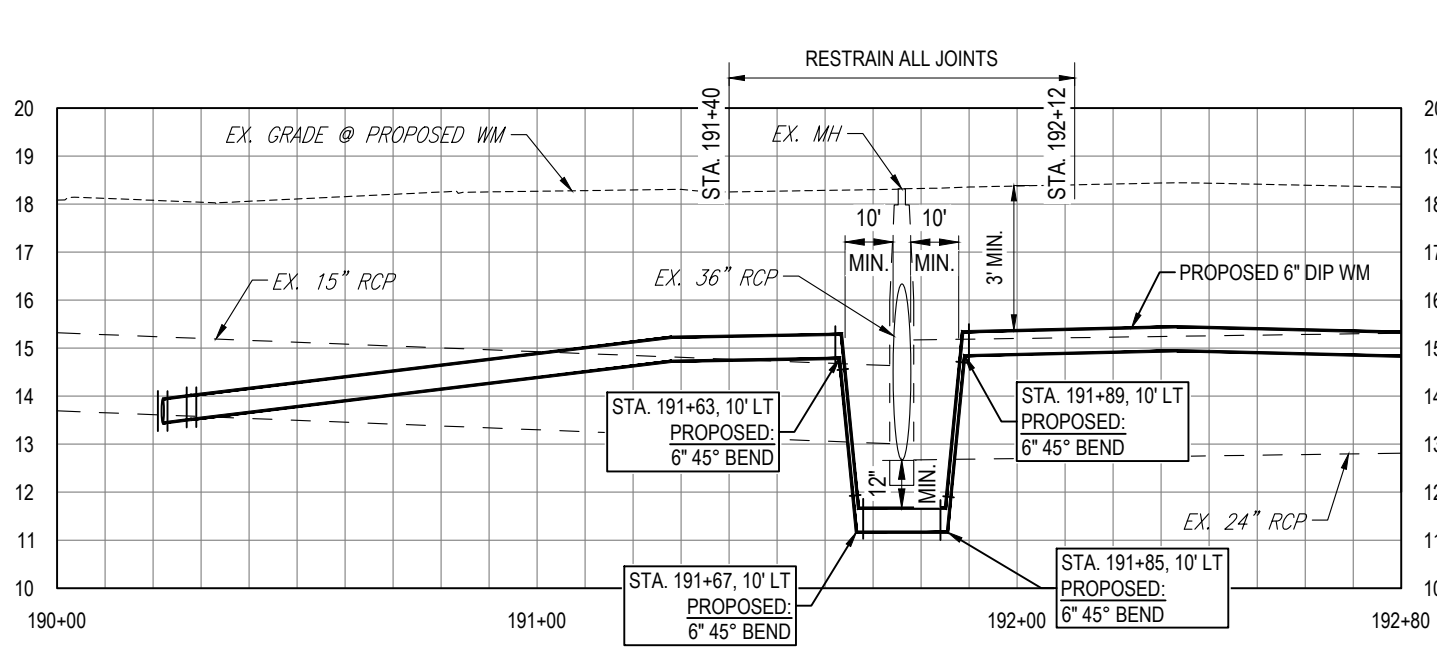
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 4.dwg, Oct 17, 2022, 8:25am

RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP

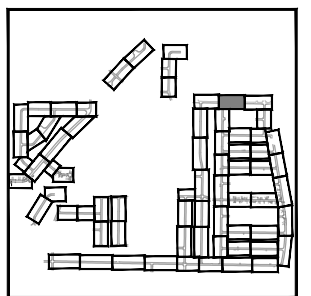
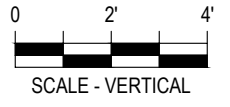
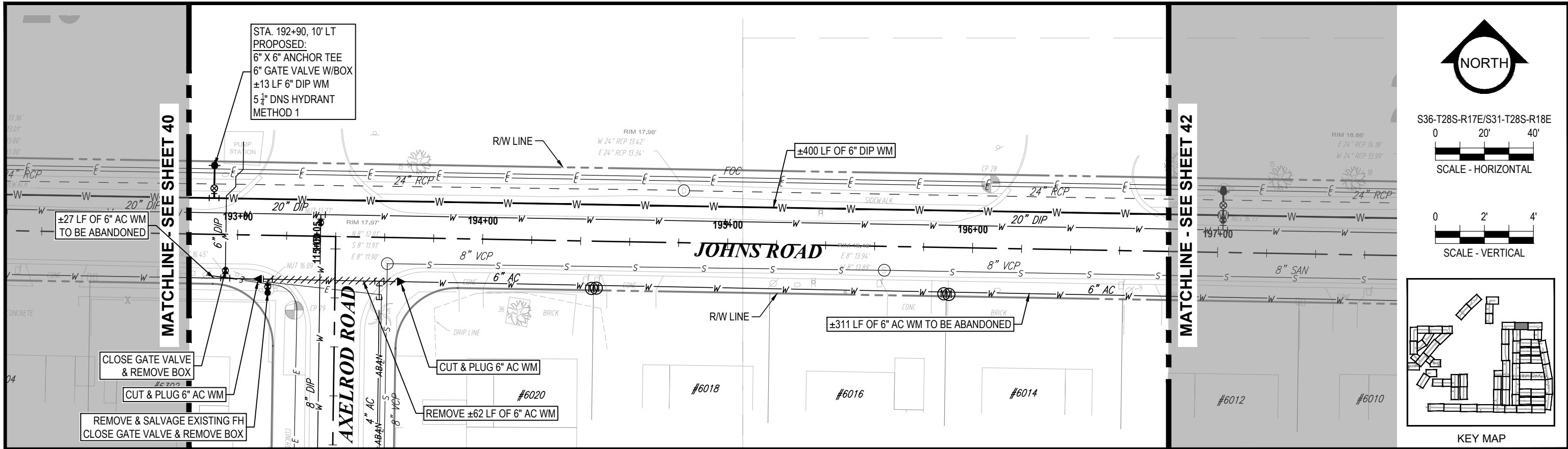
YORKSHIRE PROJECT

PLAN & PROFILE SHEET 37

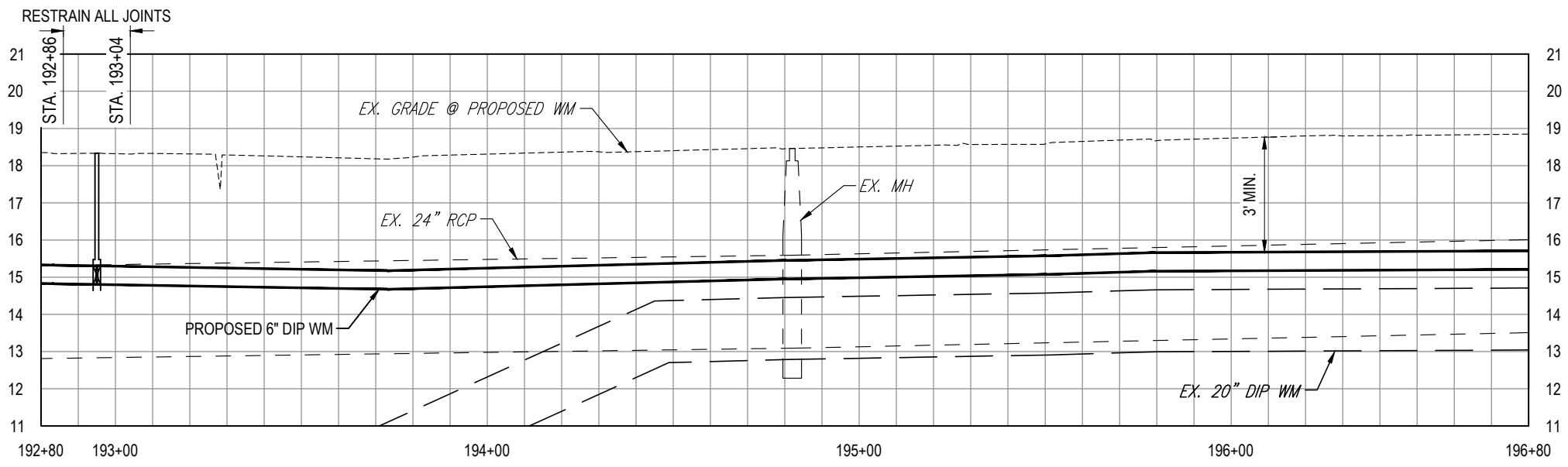


100% PLANS

WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	40 OF 80



KEY MAP



K:\Projects\WTR\20\WTR-20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 4.dwg, Oct 17, 2022, 8:25am

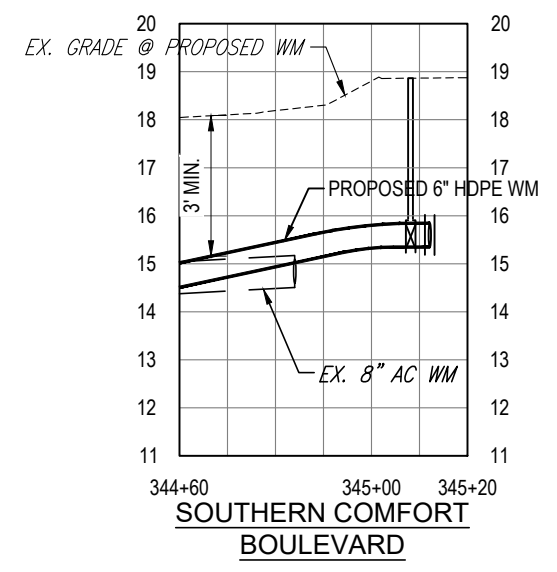
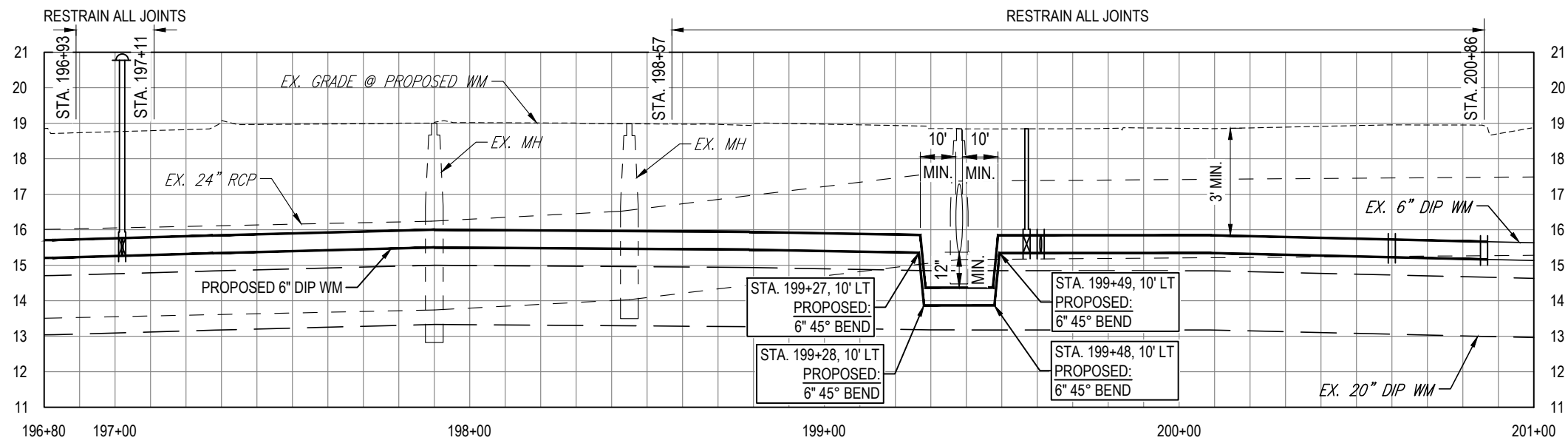
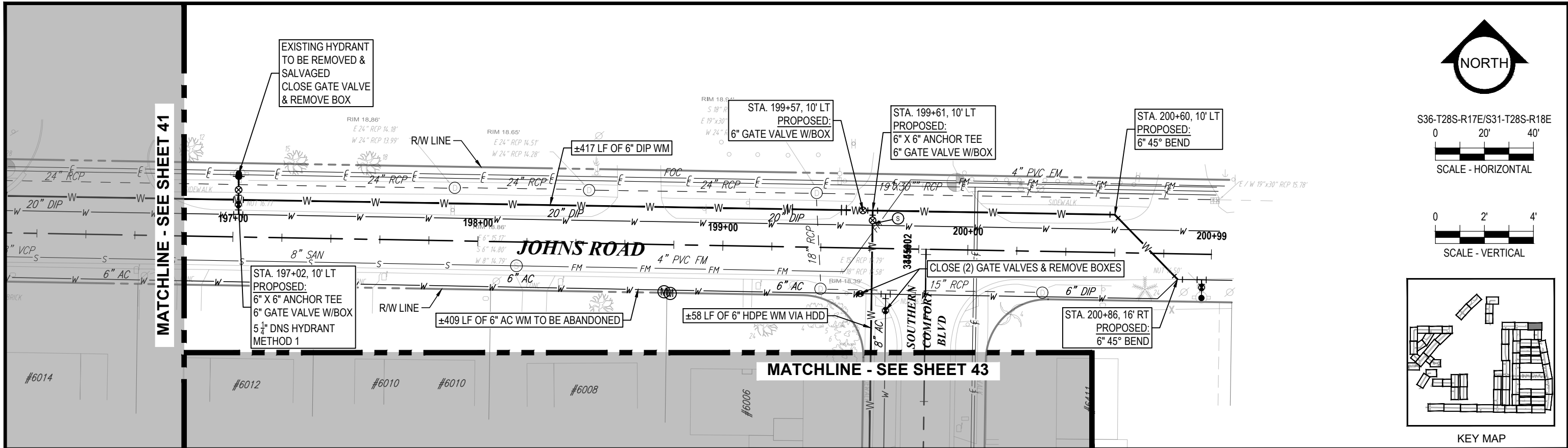
RORY A. JONES, P.E.  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
.	.	.	.	DRAWN	SLS
.	.	.	.	CHECKED	RAJ
.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT  
  
PLAN & PROFILE SHEET 38



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE E6-E7	SHEET 41 OF 80



K:\Projects\WTR\20\WTR-20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 4.dwg, Oct 17, 2022, 8:26am

**RORY A. JONES, P.E.**  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

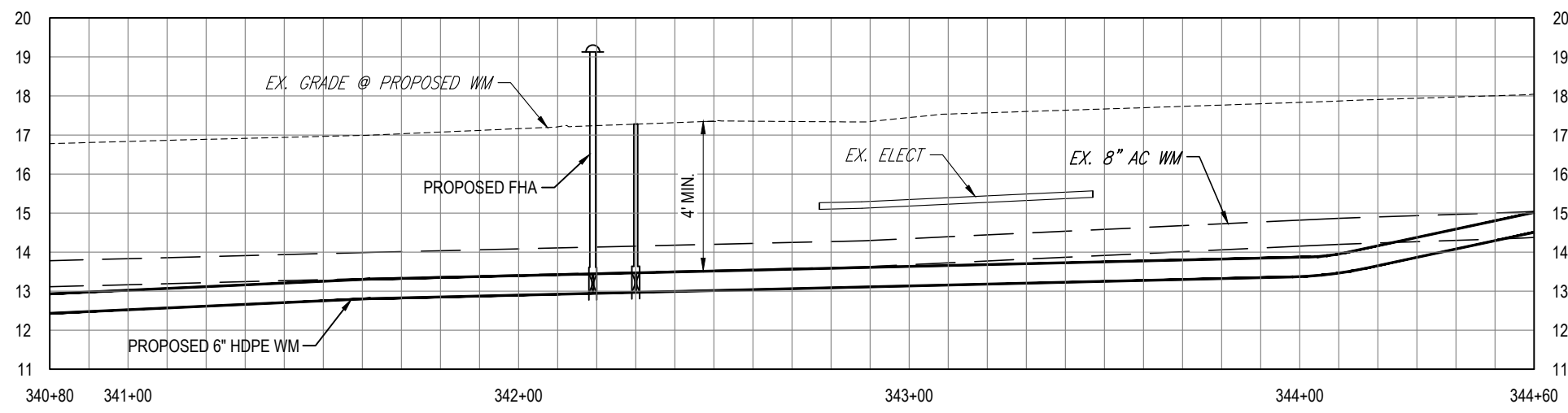
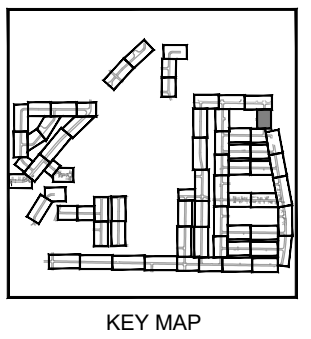
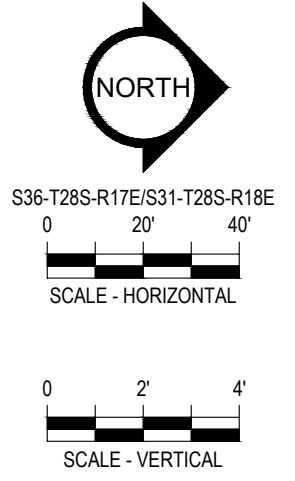
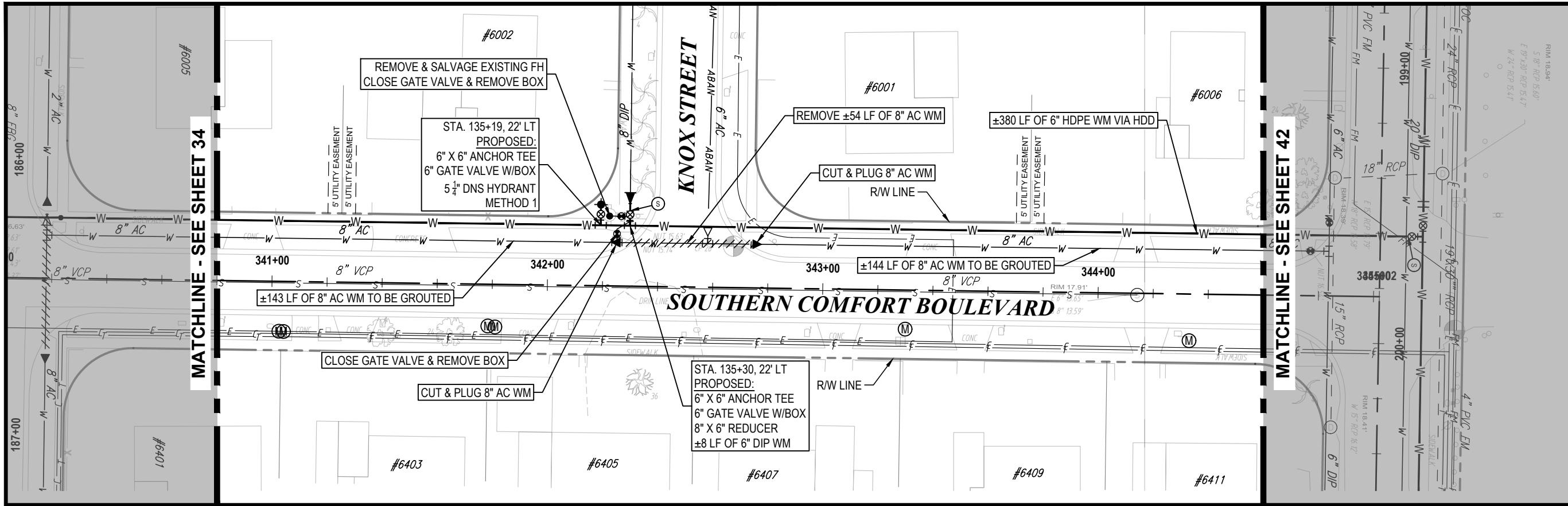
REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	CHECKED	RAJ
.	.	.	.	DATE	12/01/20

**YORKSHIRE PROJECT**

**PLAN & PROFILE SHEET 39**



<b>100% PLANS</b>	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	42 OF 80



K:\Projects\WTR\20\WTR-20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 4.dwg, Oct 17, 2022, 8:26am

RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

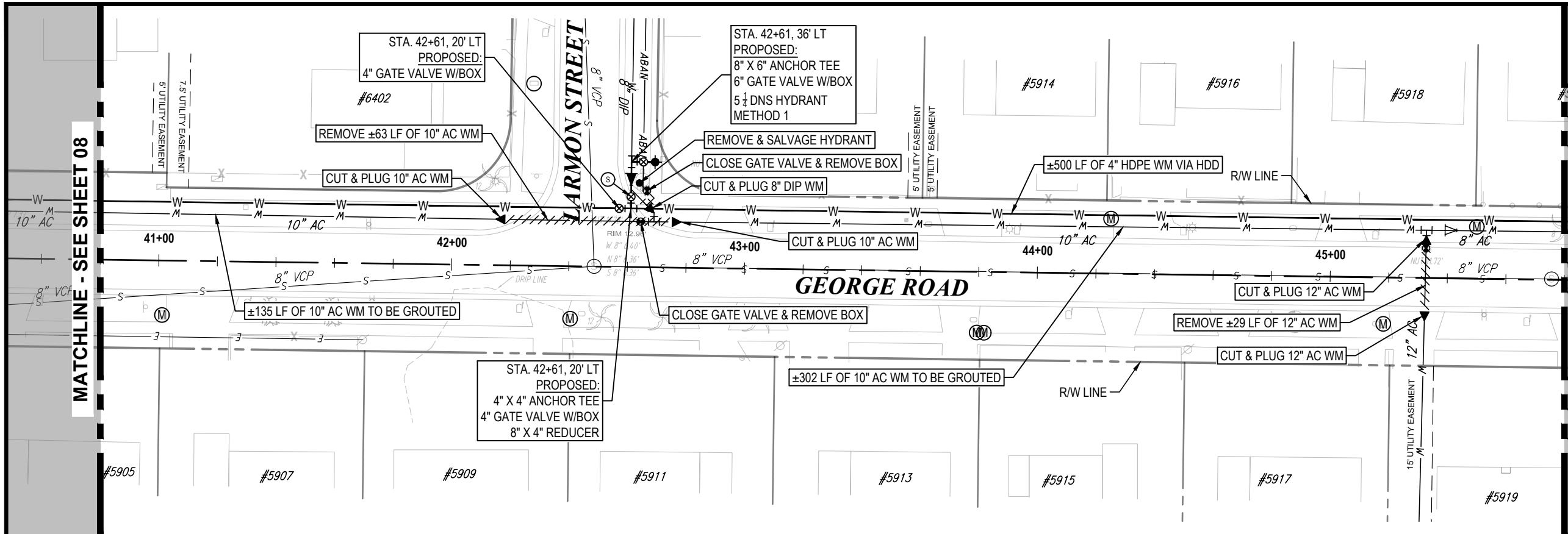
REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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DRAWN SLS  
 CHECKED RAJ  
 DATE 12/01/20

YORKSHIRE PROJECT  
 PLAN & PROFILE SHEET 40



100% PLANS  
 WORK ORDER NO. WTR-20-0012  
 RECORD DRAWING NO.  
 ATLAS PAGE E6-E7 SHEET 43 OF 80

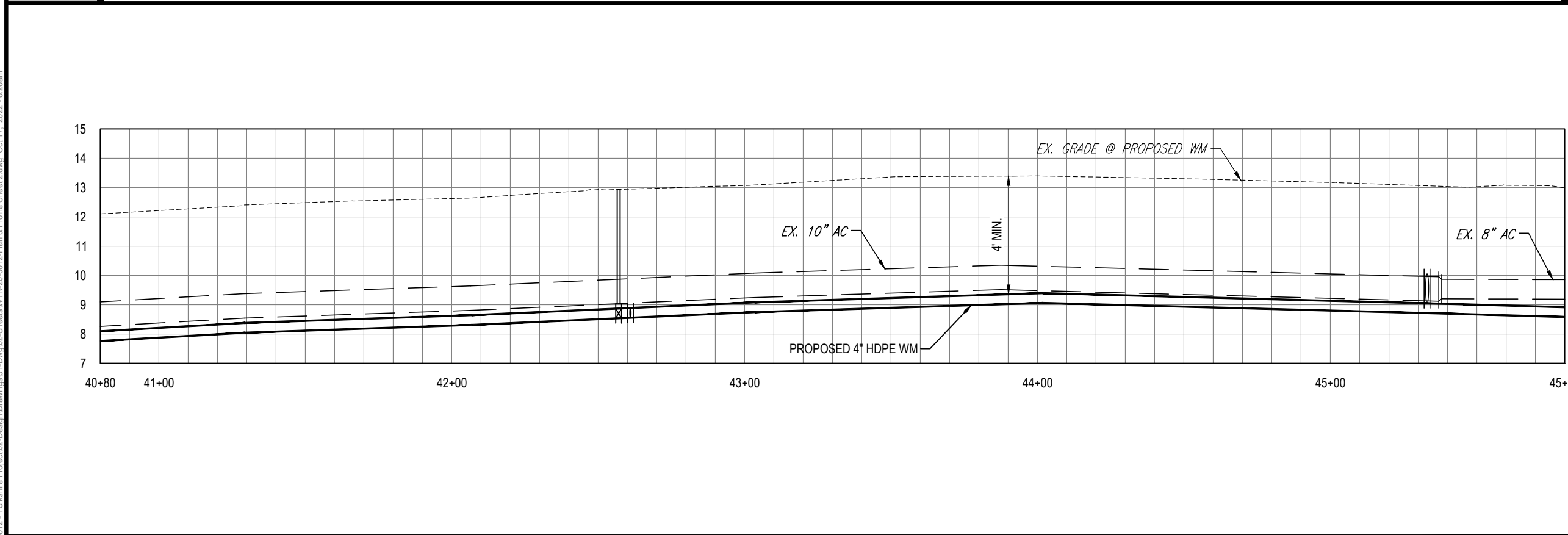


**NORTH**

S36-T28S-R17E/S31-T28S-R18E  
0 20' 40'  
SCALE - HORIZONTAL

0 2' 4'  
SCALE - VERTICAL

KEY MAP



RORY A. JONES, P.E.  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

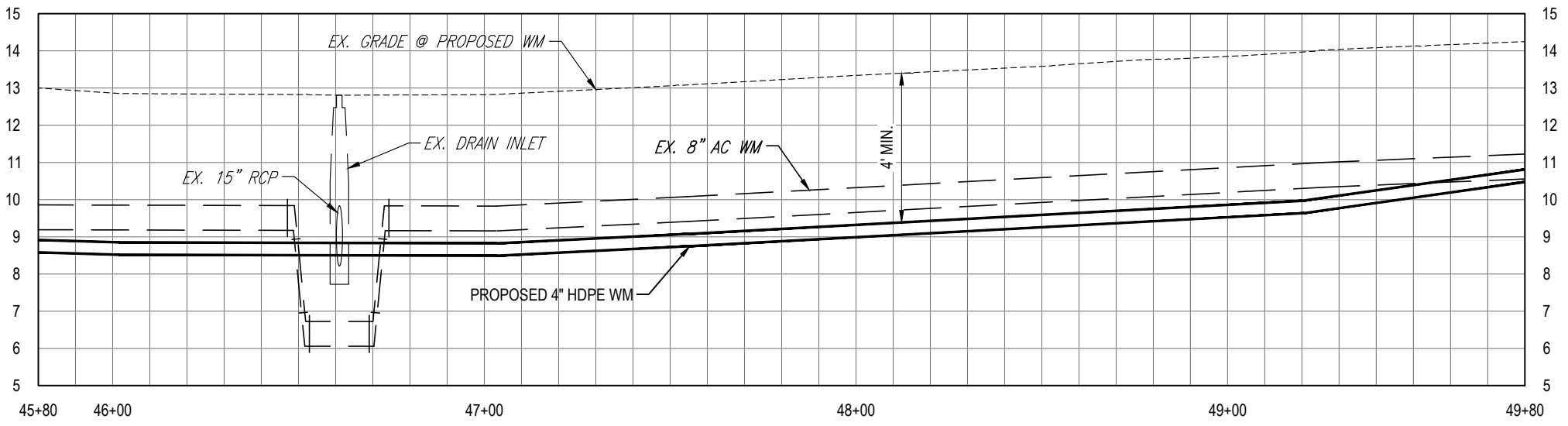
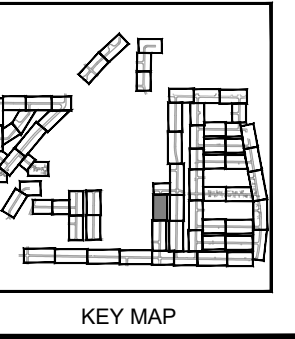
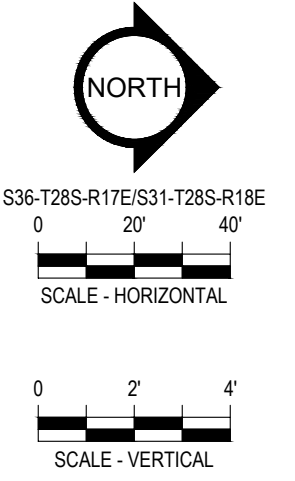
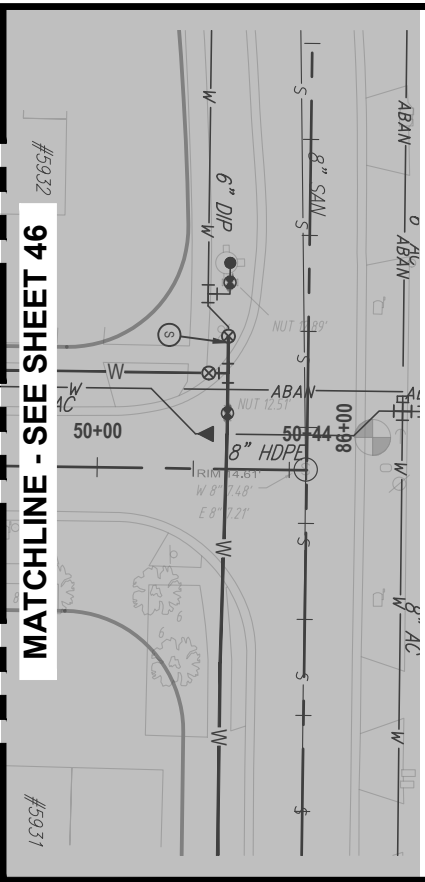
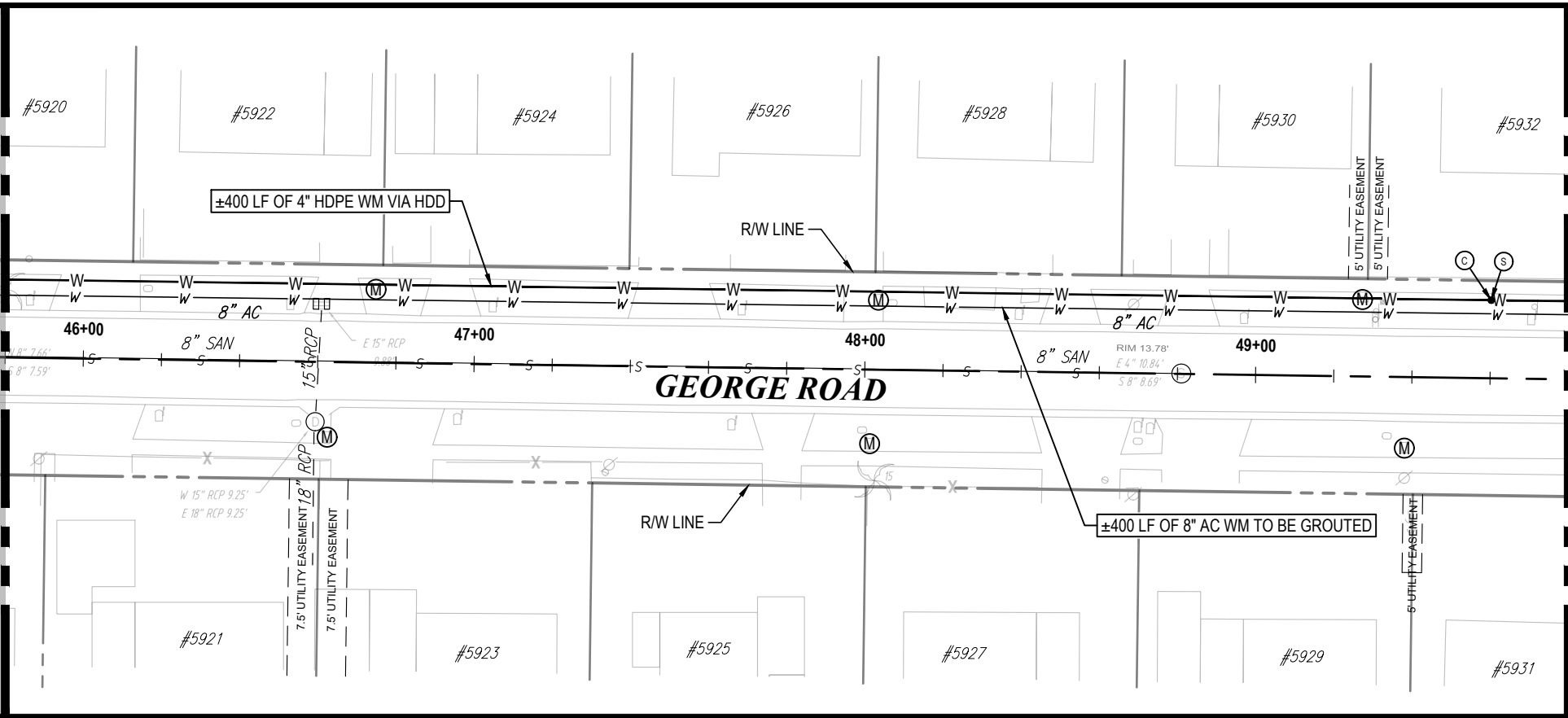
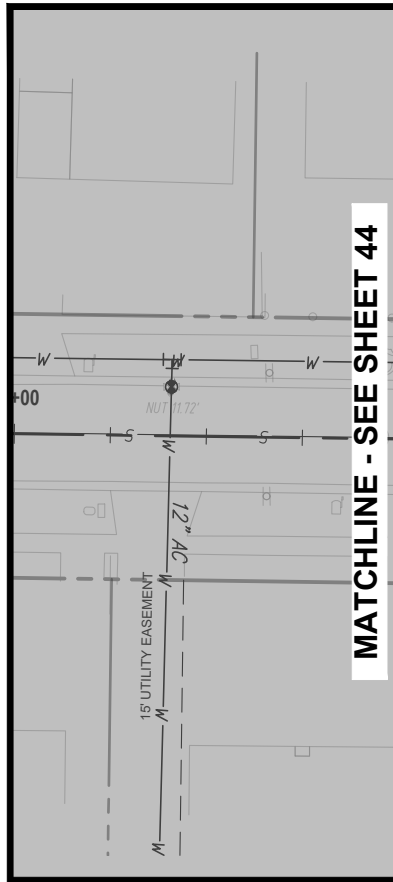
REV NO.	DATE	DESCRIPTION	BY

DESIGNED	NP
DRAWN	SLS
CHECKED	RAJ
DATE	12/01/20



<b>100% PLANS</b>	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	44 OF 80

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RORY A. JONES, P.E.  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

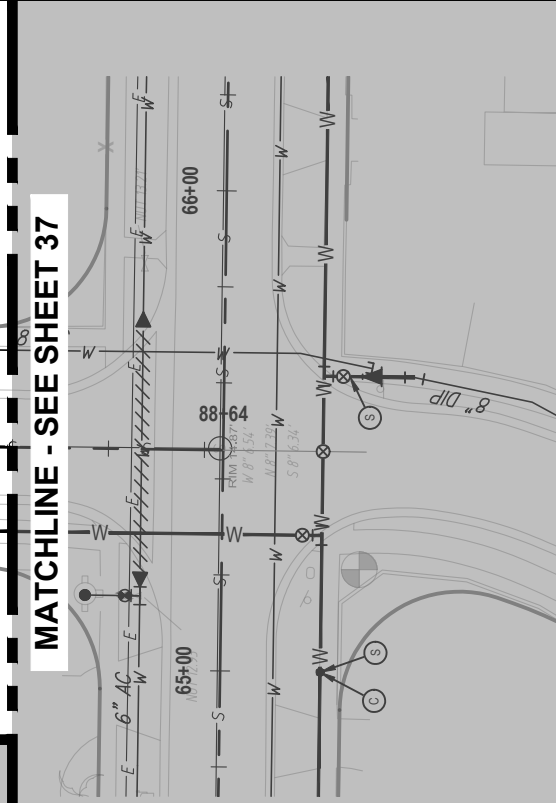
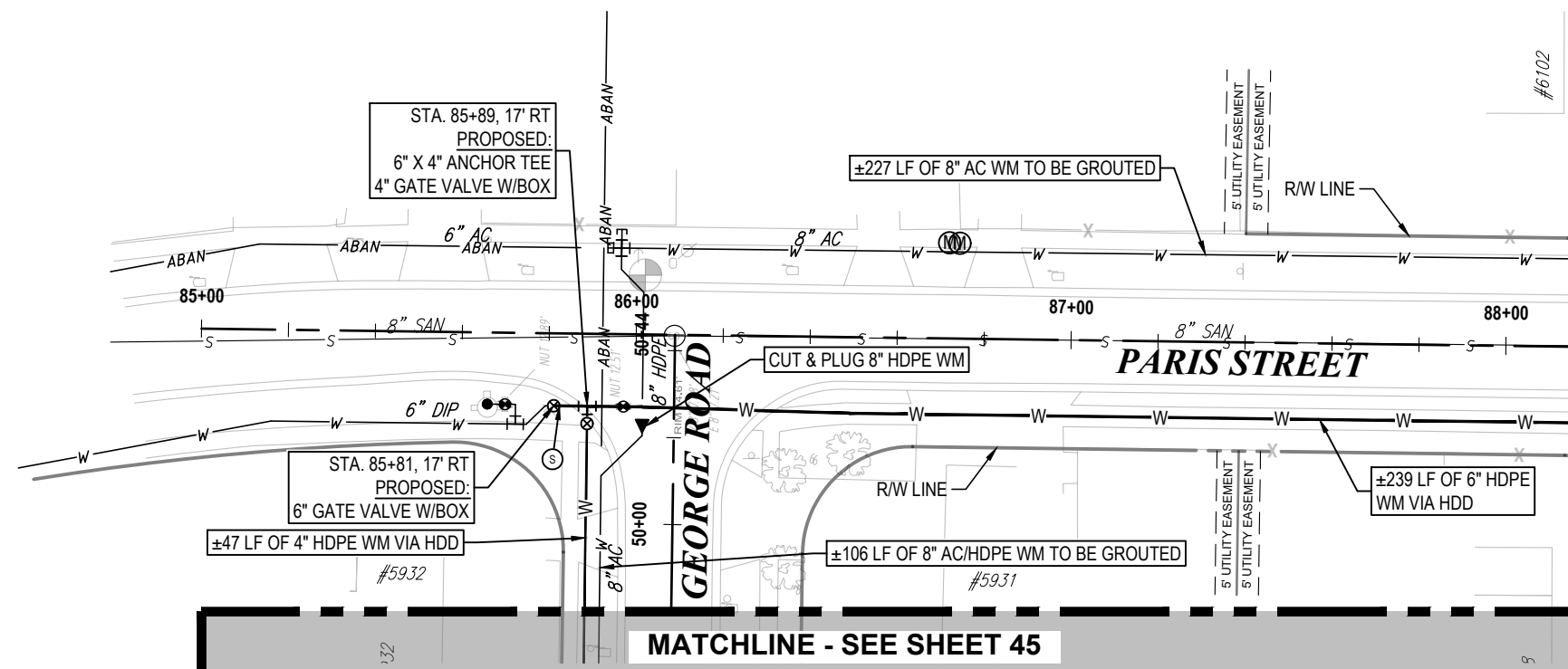
REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT

PLAN & PROFILE SHEET 42



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	45 OF 80



NORTH

S36-T28S-R17E/S31-T28S-R18E

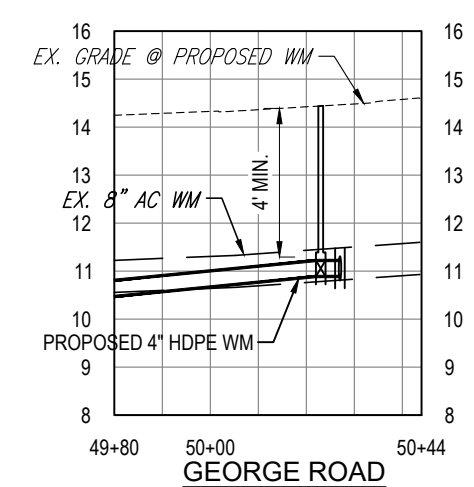
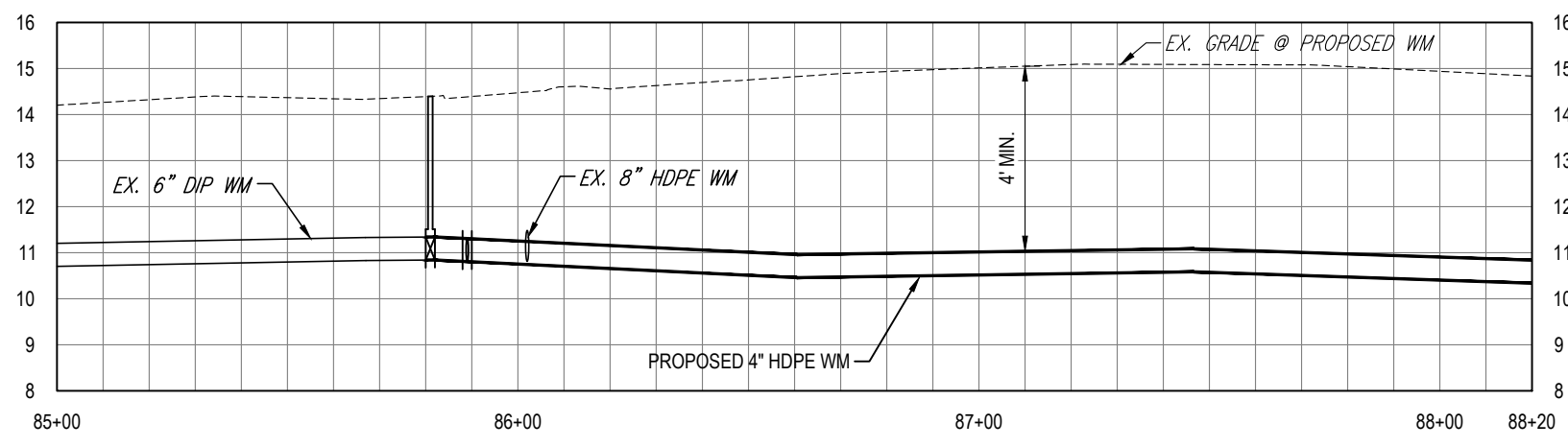
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 3.dwg, Oct 17, 2022, 8:27am

RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	CHECKED	RAJ
.	.	.	.	DATE	12/01/20

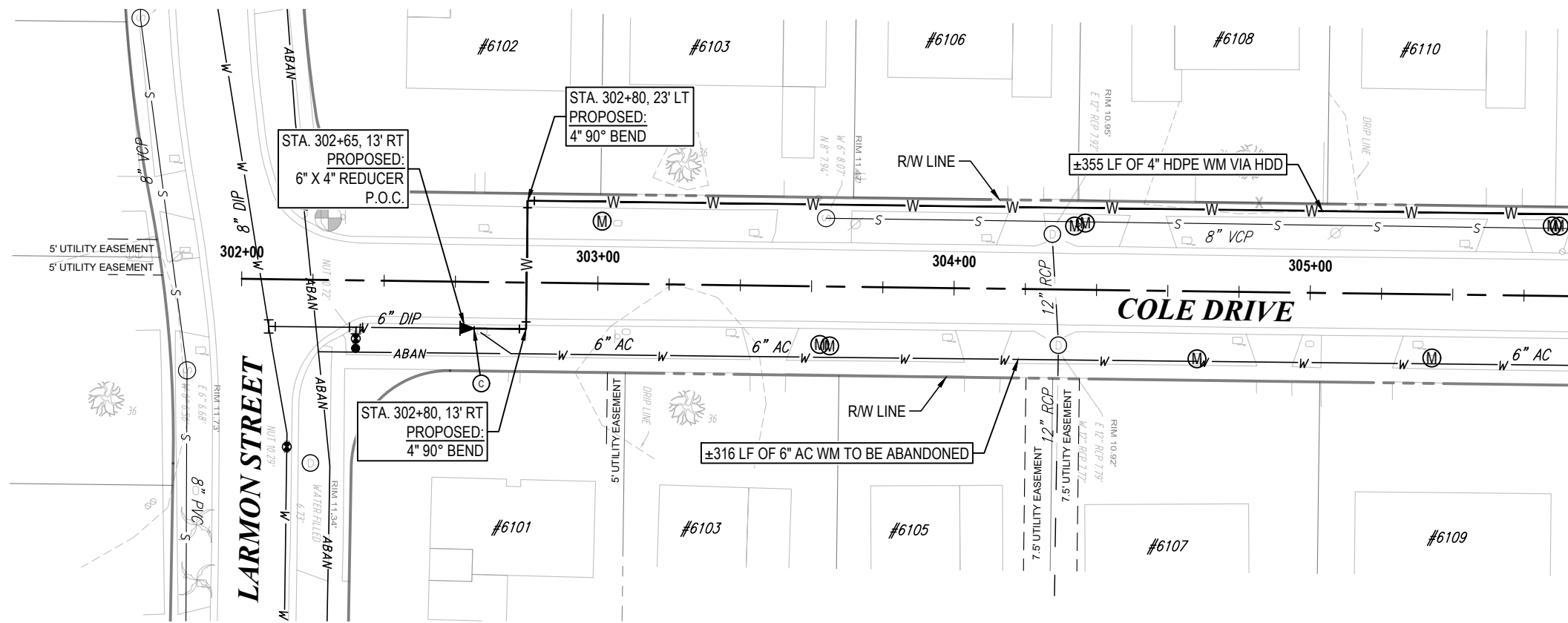
YORKSHIRE PROJECT

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PLAN & PROFILE SHEET 43



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	46 OF 80



MATCHLINE - SEE SHEET 48

NORTH

S36-T28S-R17E/S31-T28S-R18E

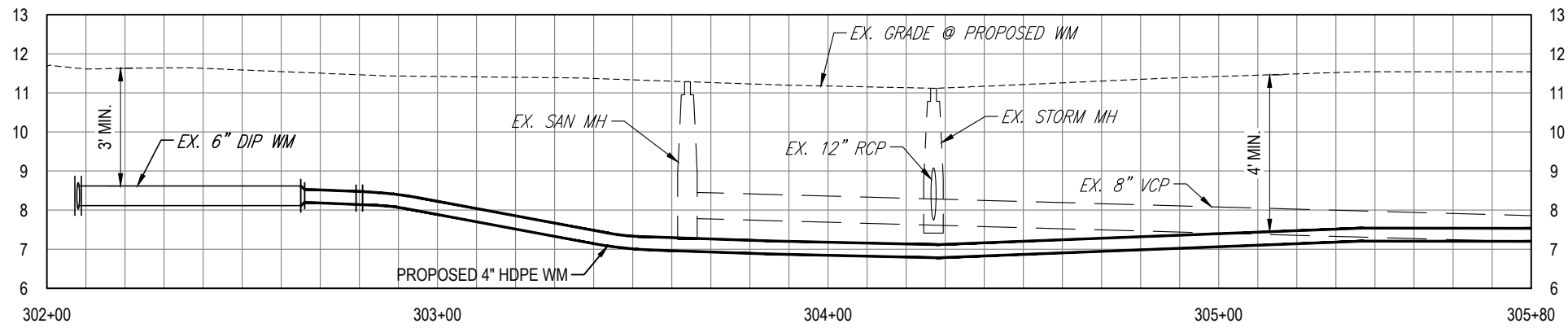
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 5.dwg Oct 17, 2022 8:27am

RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP

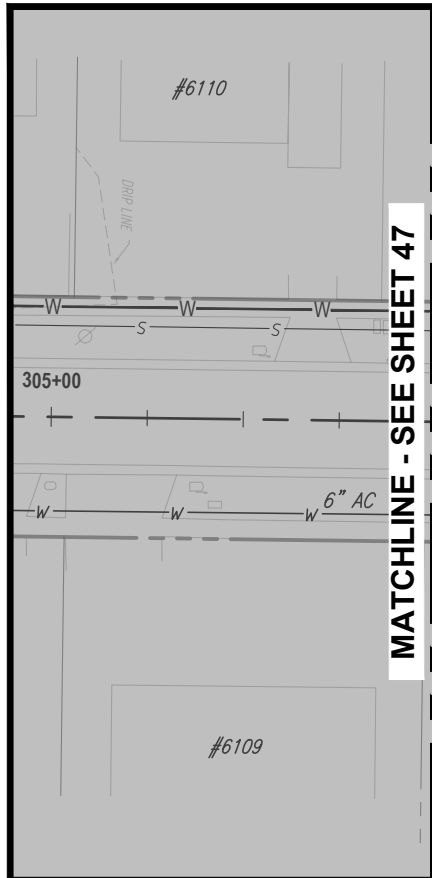
YORKSHIRE PROJECT

PLAN & PROFILE SHEET 44

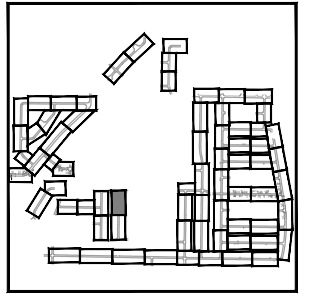
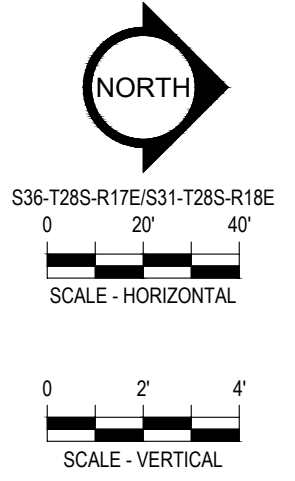
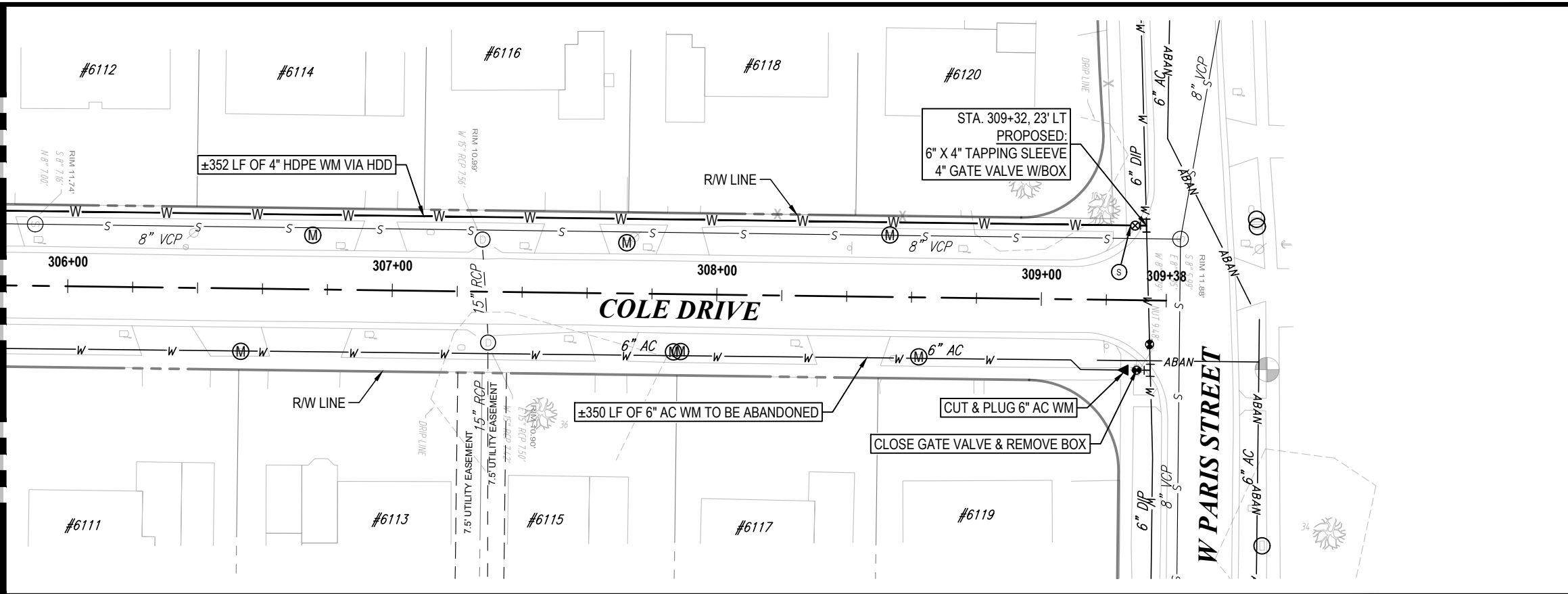


100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	47 OF 80

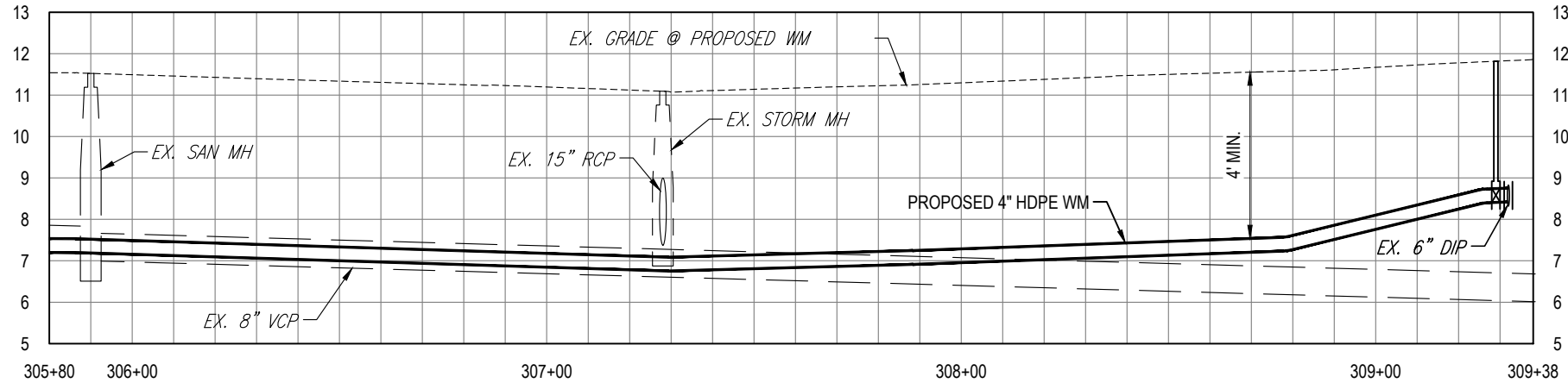




MATCHLINE - SEE SHEET 47



KEY MAP



K:\Projects\WTR\20\WTR-20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 5.dwg, Oct 17, 2022, 8:27 am

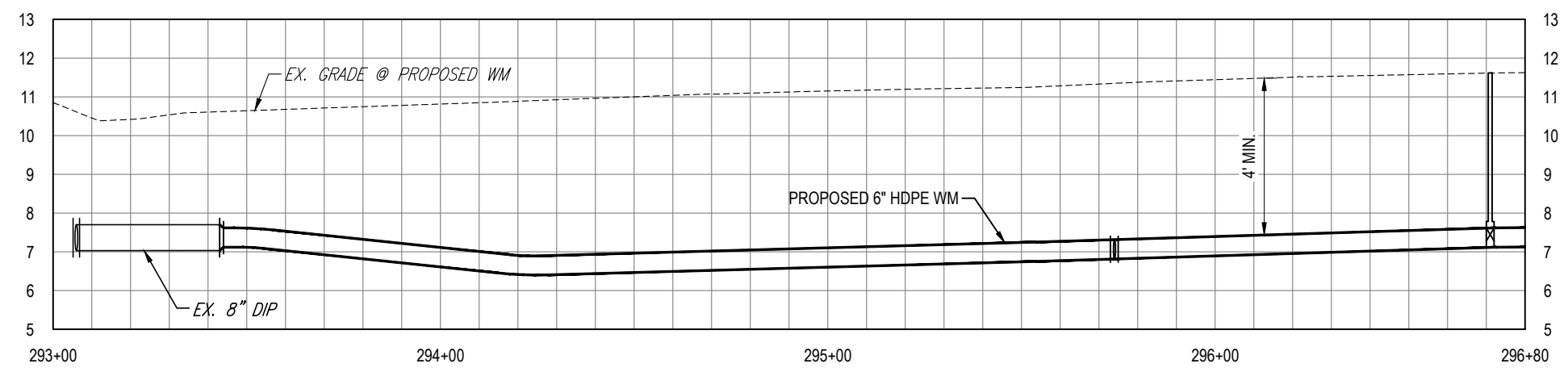
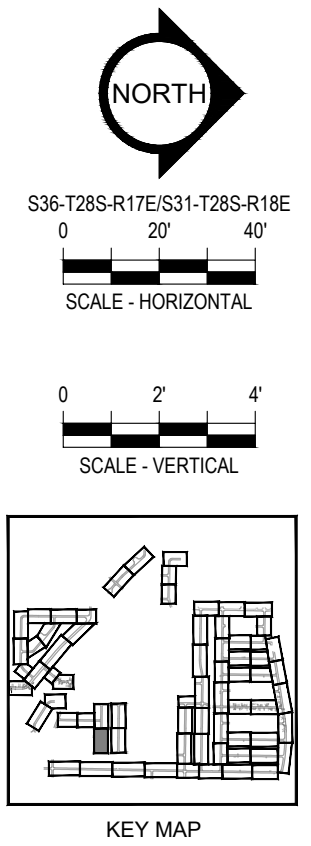
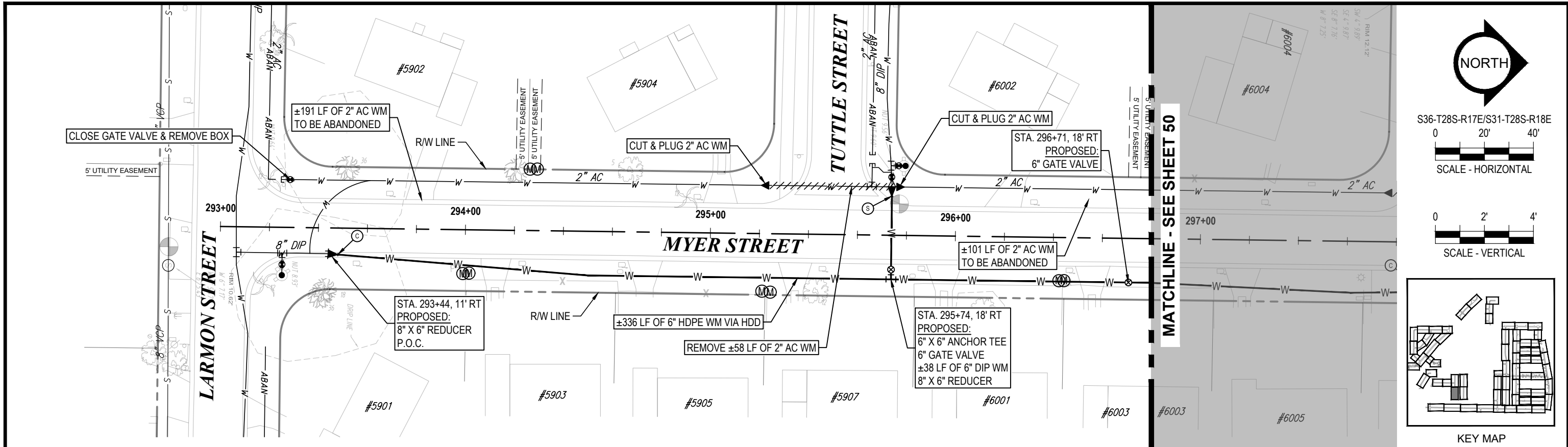
RORY A. JONES, P.E.  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

REV. NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT  
  
PLAN & PROFILE SHEET 45



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE E6-E7	SHEET 48 OF 80



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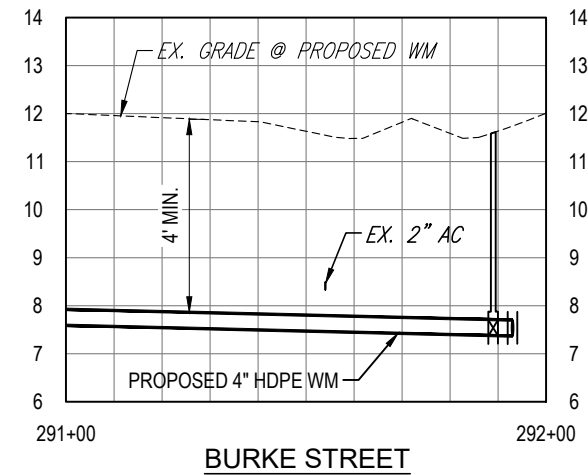
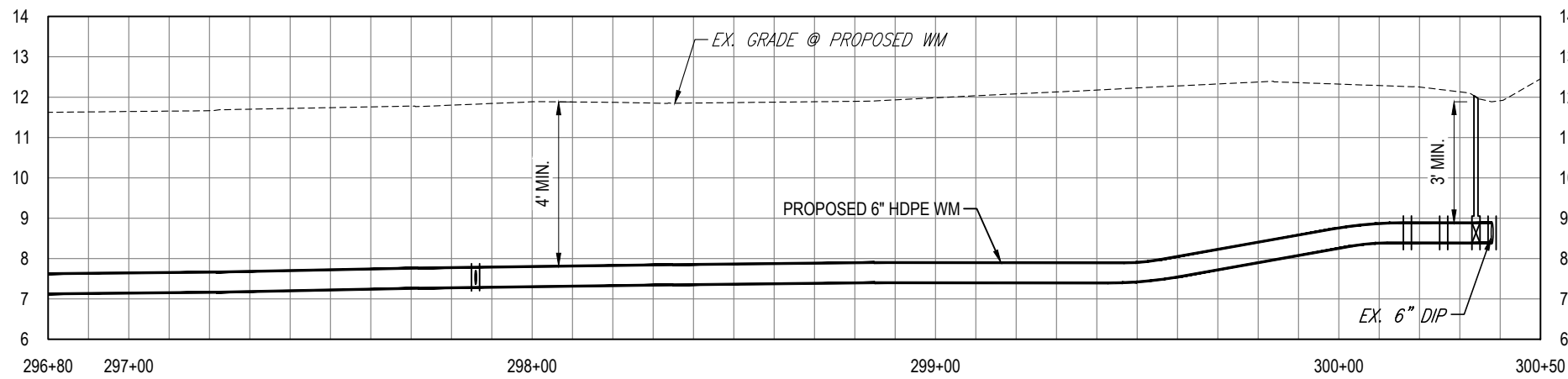
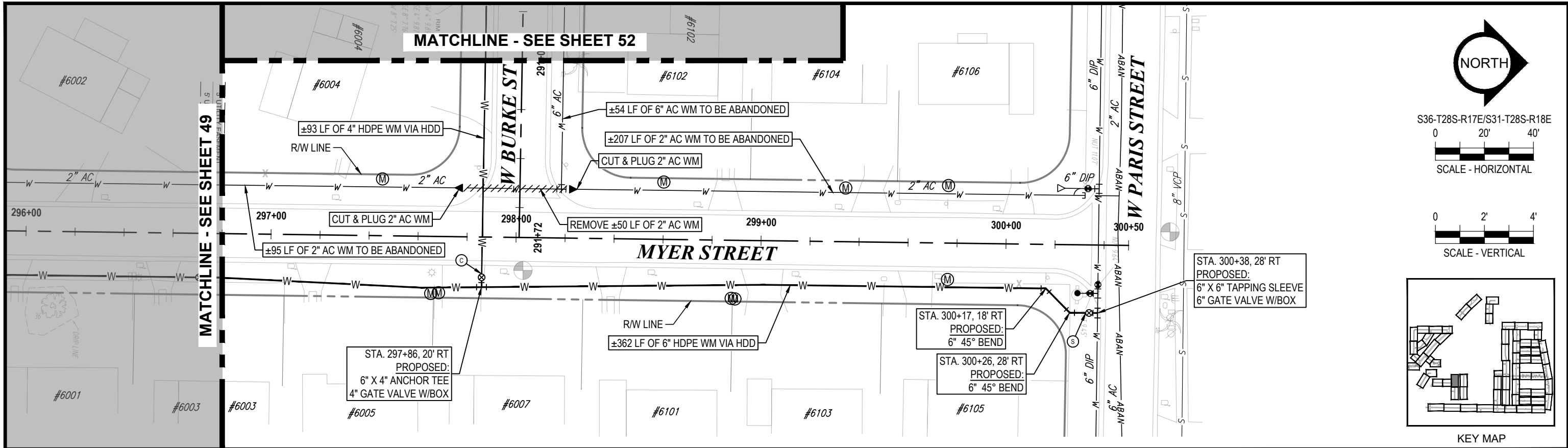
RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	CHECKED	RAJ
.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT  
 PLAN & PROFILE SHEET 46



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	49 OF 80



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 5.dwg, Oct 17, 2022, 8:27 am

RORY A. JONES, P.E.  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT

PLAN & PROFILE SHEET 47

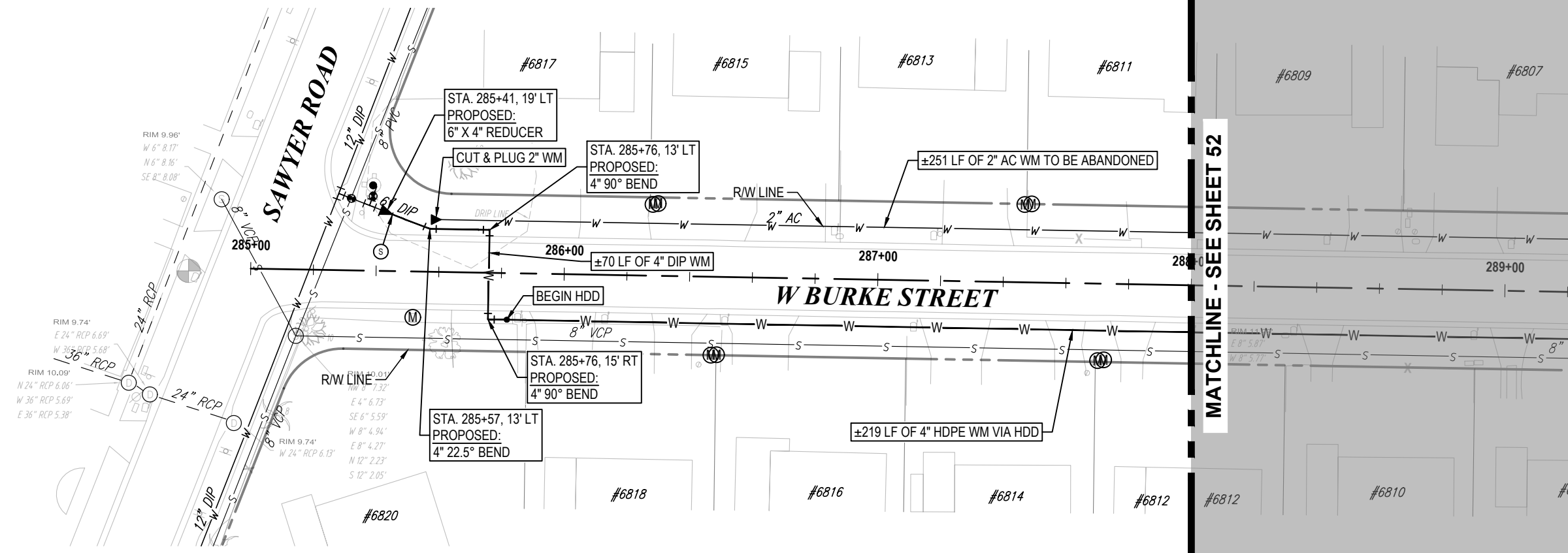


100% PLANS

WORK ORDER NO. WTR-20-0012

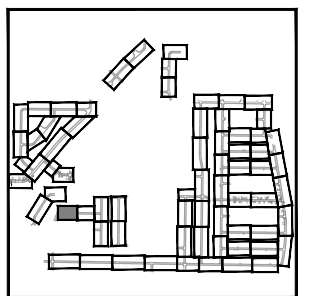
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ATLAS PAGE E6-E7 SHEET 50 OF 80



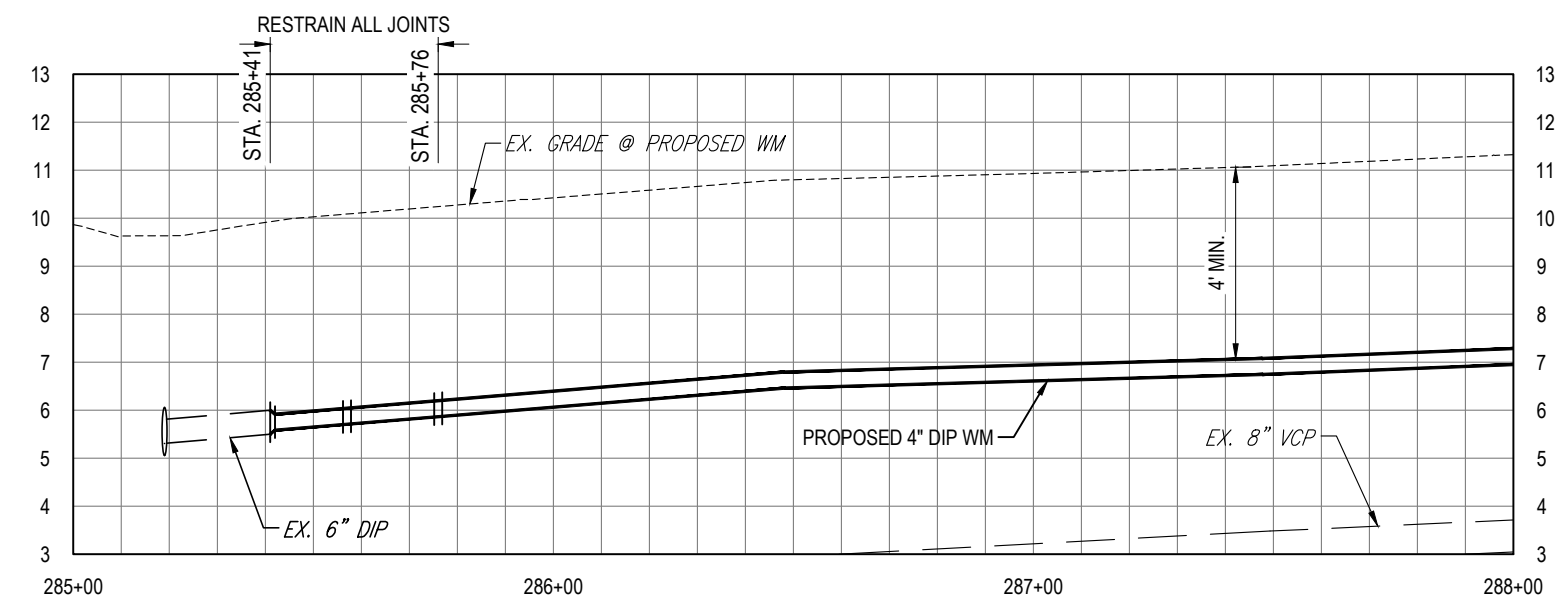
S36-T28S-R17E/S31-T28S-R18E  
 0 20' 40'  
 SCALE - HORIZONTAL

0 2' 4'  
 SCALE - VERTICAL



KEY MAP

MATCHLINE - SEE SHEET 52



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 5.dwg, Oct 17, 2022, 8:27am

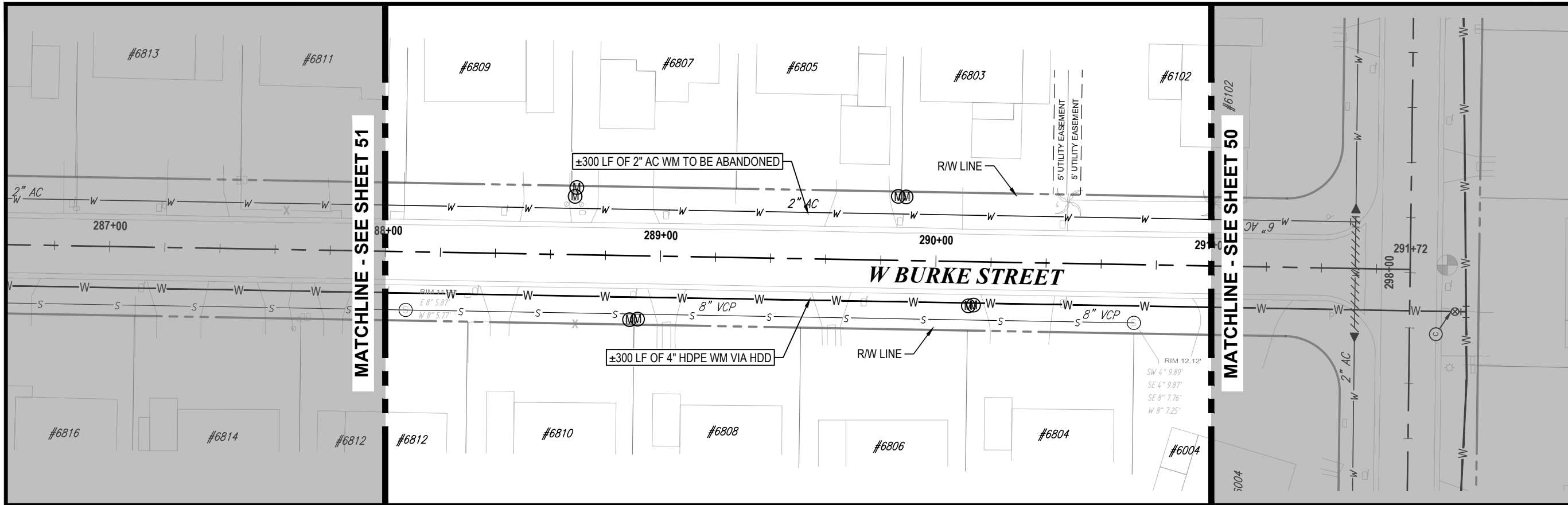
RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	CHECKED	RAJ
.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT  
 PLAN & PROFILE SHEET 48



100% PLANS  
 WORK ORDER NO. WTR-20-0012  
 RECORD DRAWING NO.  
 ATLAS PAGE E6-E7 SHEET 51 OF 80



NORTH

S36-T28S-R17E/S31-T28S-R18E

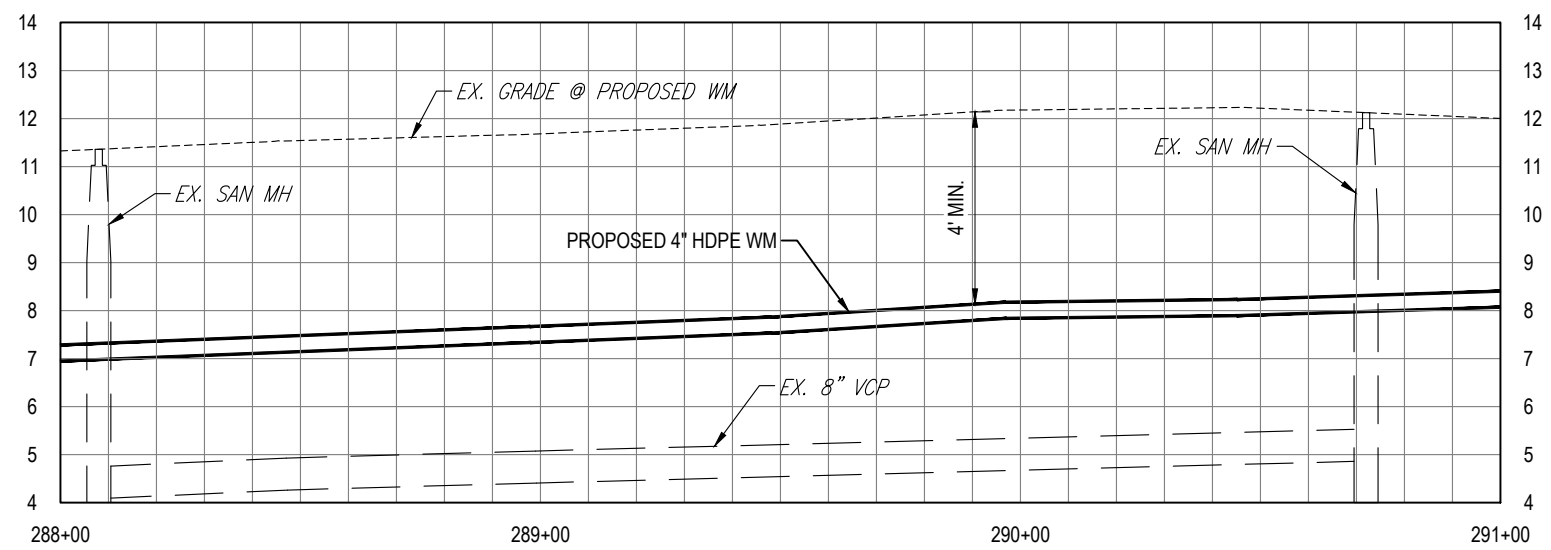
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 5.dwg, Oct 17, 2022, 8:27 am

RORY A. JONES, P.E.  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
.	.	.	.	DRAWN	SLS
.	.	.	.	CHECKED	RAJ
.	.	.	.	DATE	12/01/20

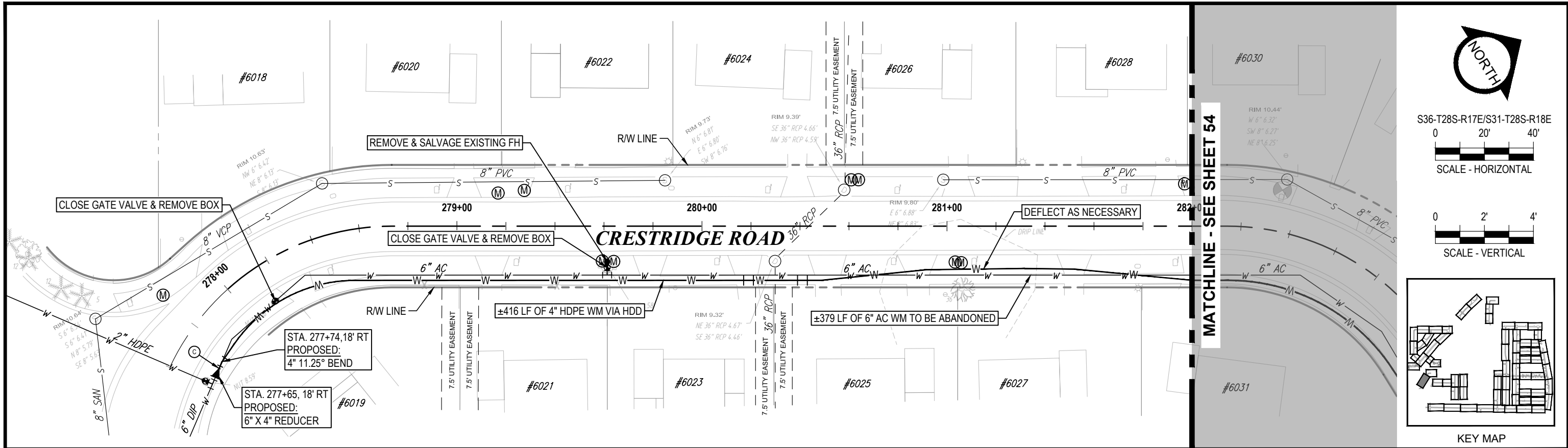
YORKSHIRE PROJECT

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PLAN & PROFILE SHEET 49



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	52 OF 80



NORTH

S36-T28S-R17E/S31-T28S-R18E

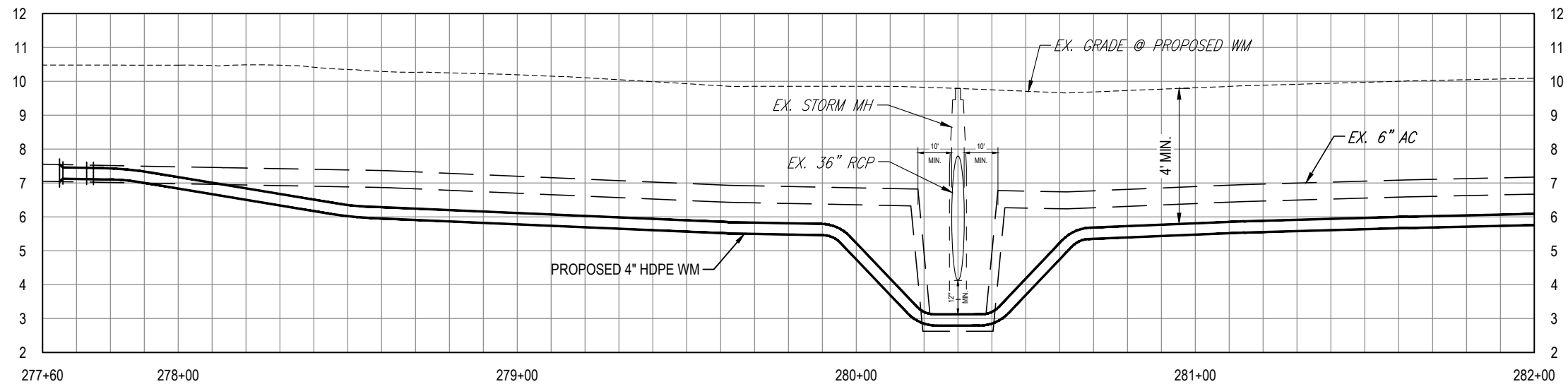
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 5.dwg, Oct 17, 2022, 8:28am

RORY A. JONES, P.E.  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
.	.	.	.	DRAWN	SLS
.	.	.	.	CHECKED	RAJ
.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT

PLAN & PROFILE SHEET 50

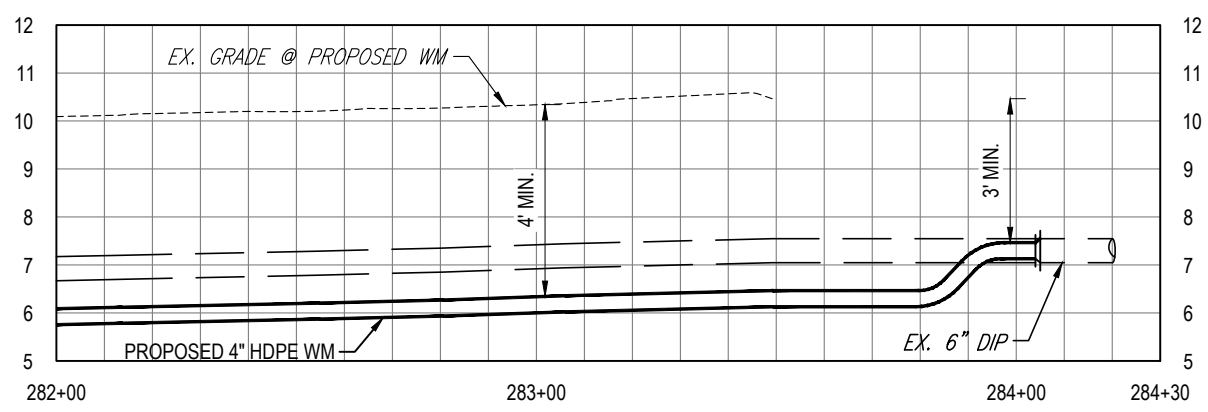
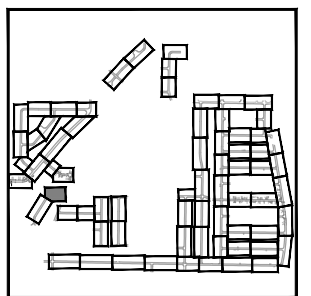
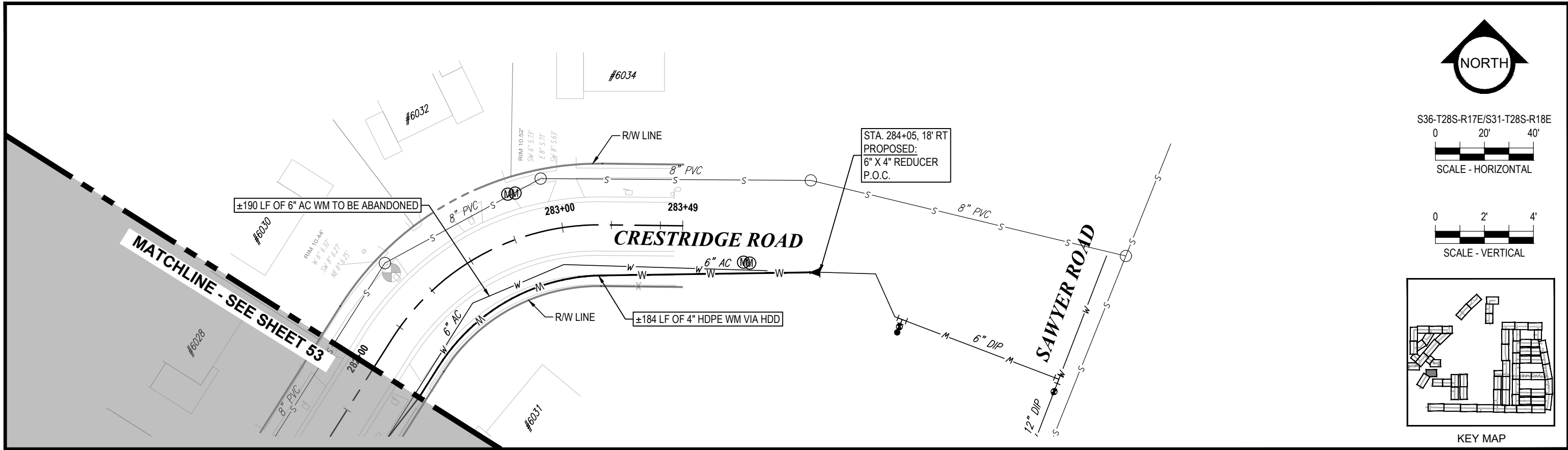


100% PLANS

WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

ATLAS PAGE E6-E7 SHEET 53 OF 80



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 5.dwg, Oct 17, 2022, 8:28am

RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	CHECKED	RAJ
.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT

PLAN & PROFILE SHEET 51

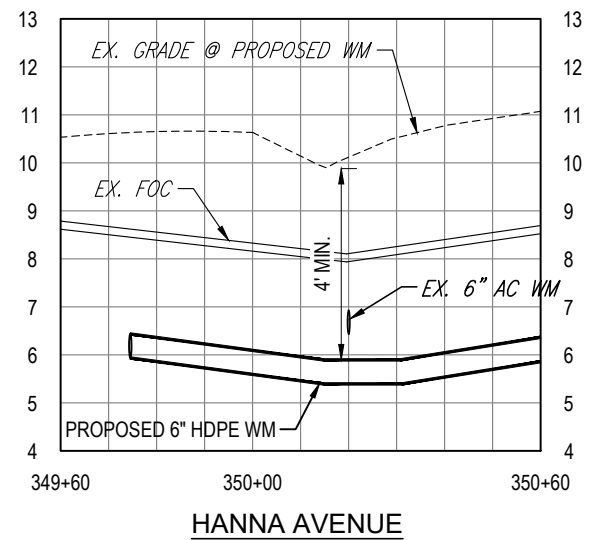
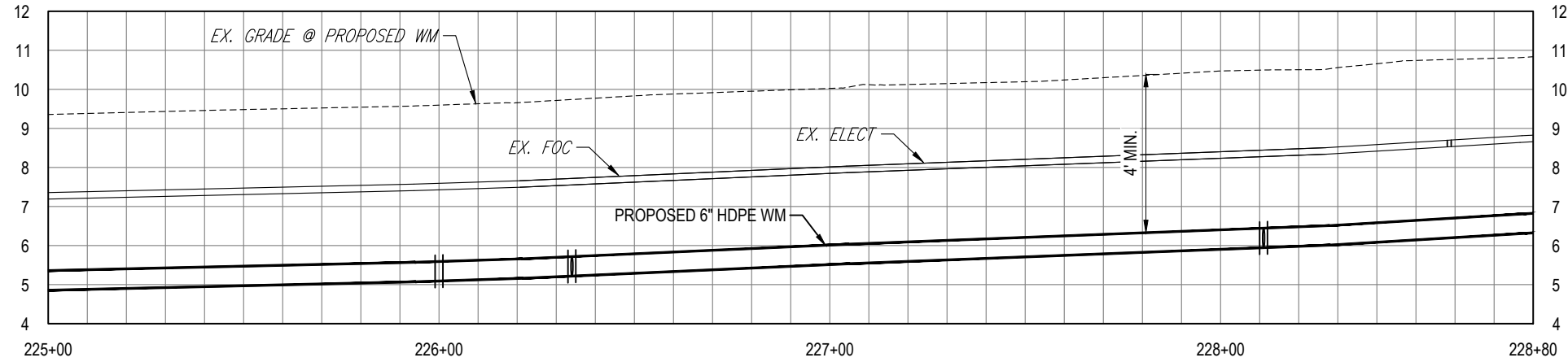
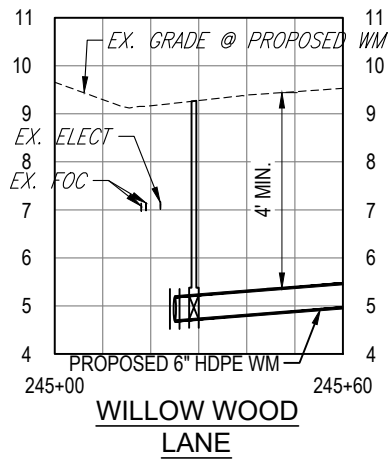
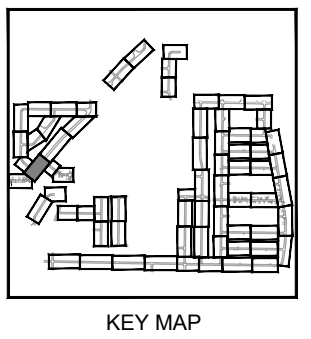
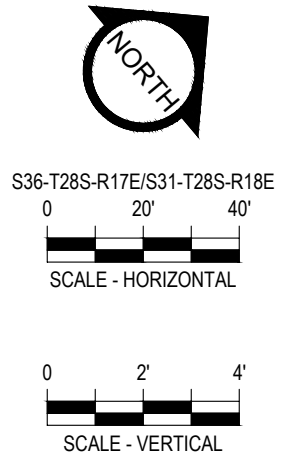
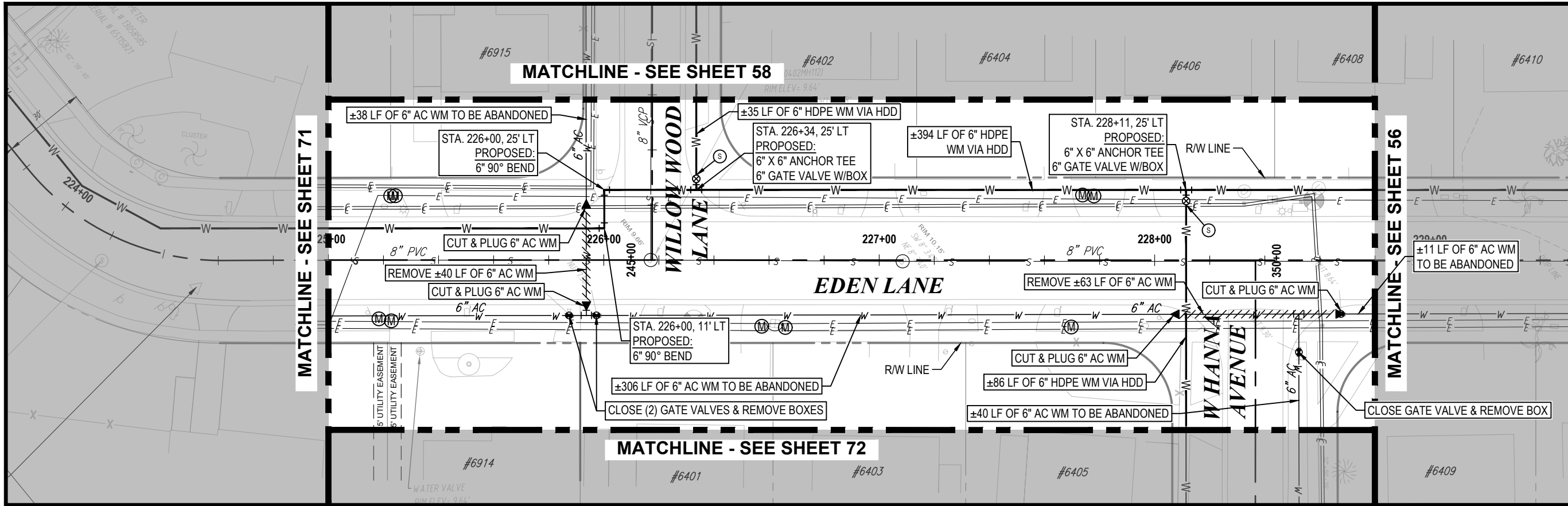


100% PLANS

WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

ATLAS PAGE E6-E7 SHEET 54 OF 80



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 6.dwg, Oct 17, 2022, 8:28am

RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

REV. NO.	DATE	DESCRIPTION	BY

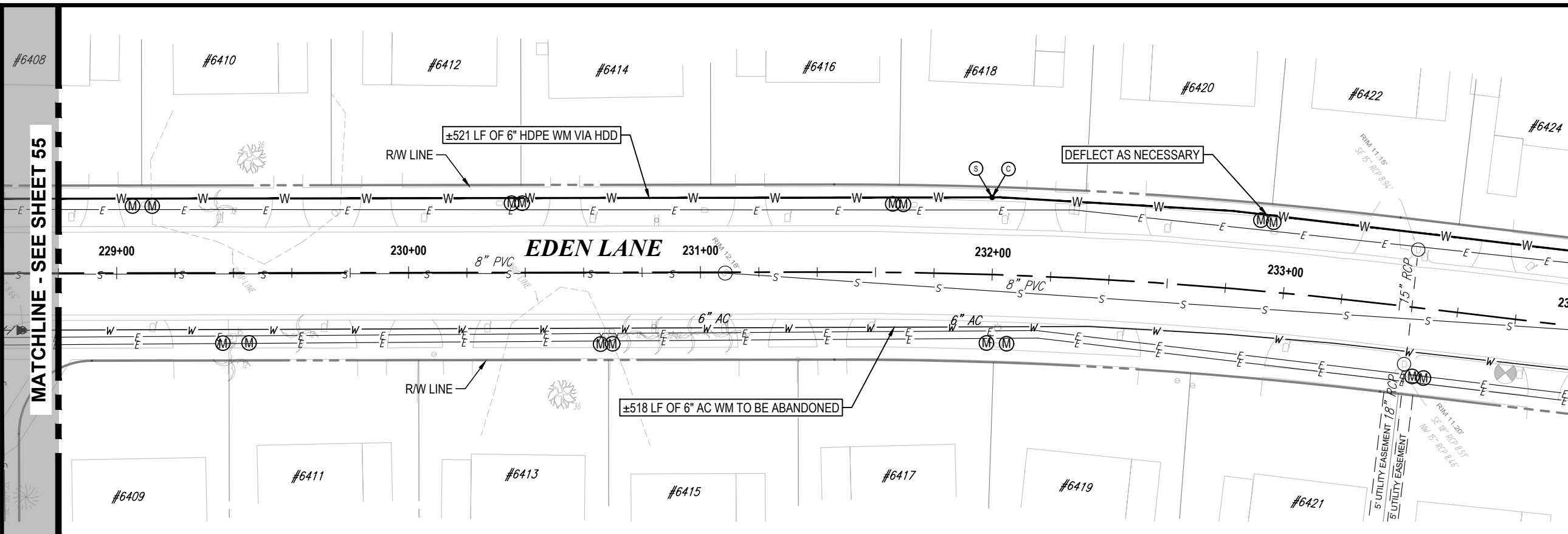
DESIGNED NP  
 DRAWN SLS  
 CHECKED RAJ  
 DATE 12/01/20

YORKSHIRE PROJECT  
 PLAN & PROFILE SHEET 52



100% PLANS  
 WORK ORDER NO. WTR-20-0012  
 RECORD DRAWING NO.  
 ATLAS PAGE E6-E7 SHEET 55 OF 80





NORTH

S36-T28S-R17E/S31-T28S-R18E

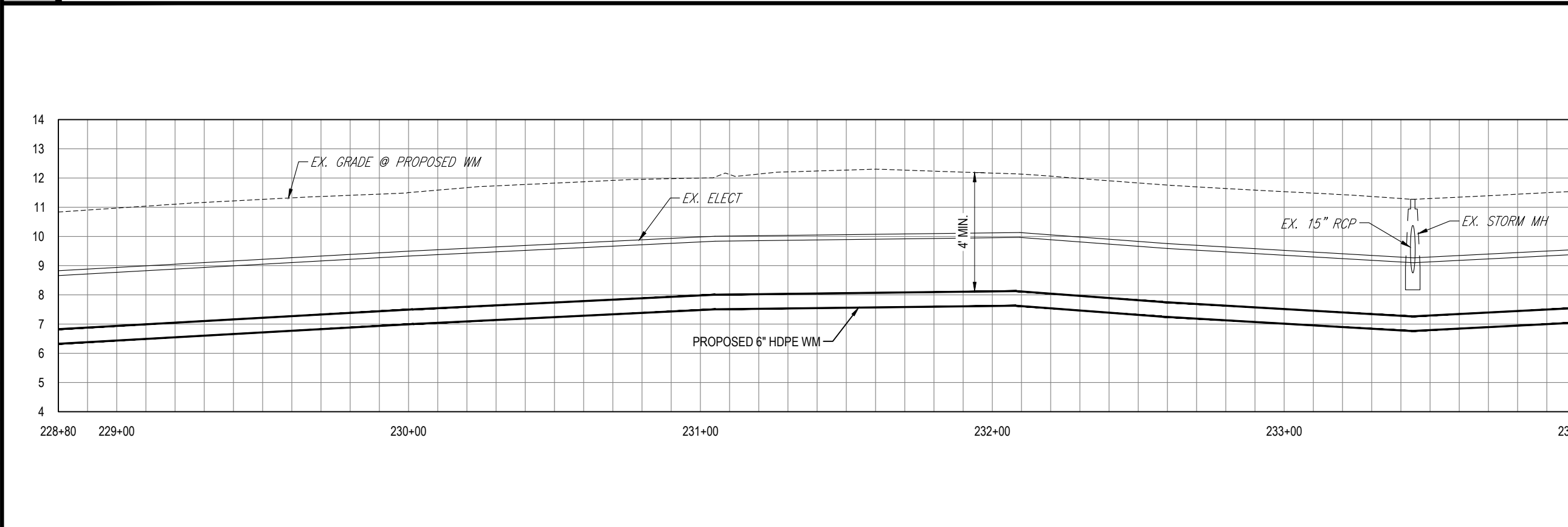
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 6.dwg, Oct 17, 2022, 8:28am

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 TAMPA, FLA. 33602  
 P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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YORKSHIRE PROJECT

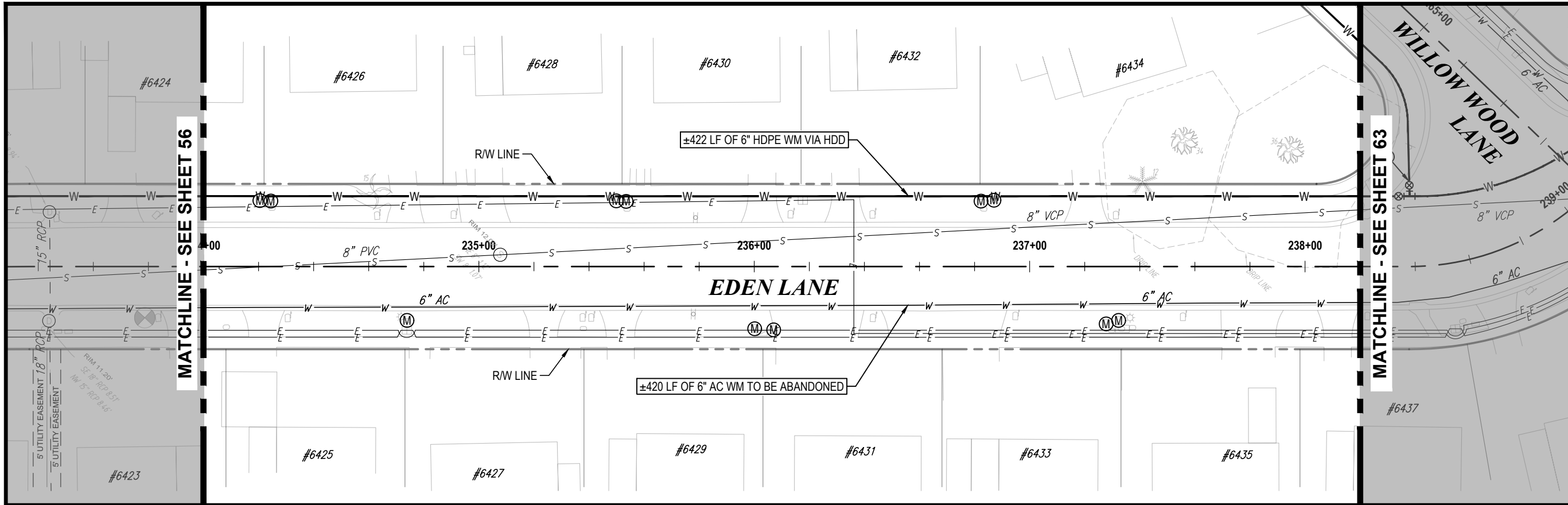
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PLAN & PROFILE SHEET 53



**100% PLANS**

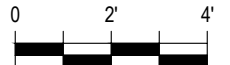
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	56 OF 80



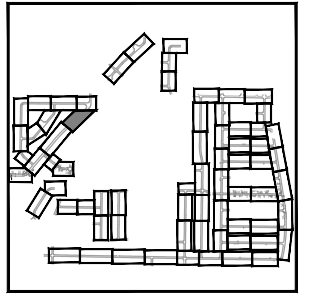
S36-T28S-R17E/S31-T28S-R18E



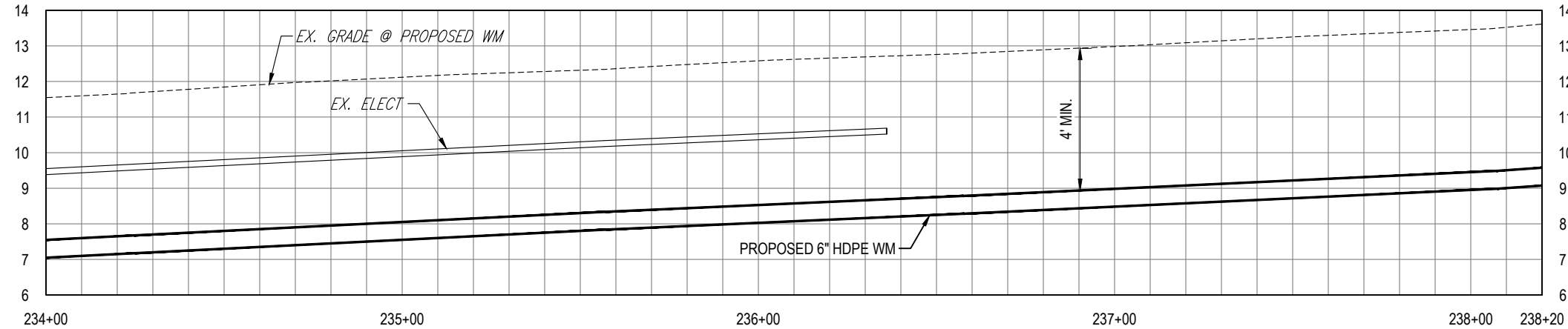
SCALE - HORIZONTAL



SCALE - VERTICAL



KEY MAP



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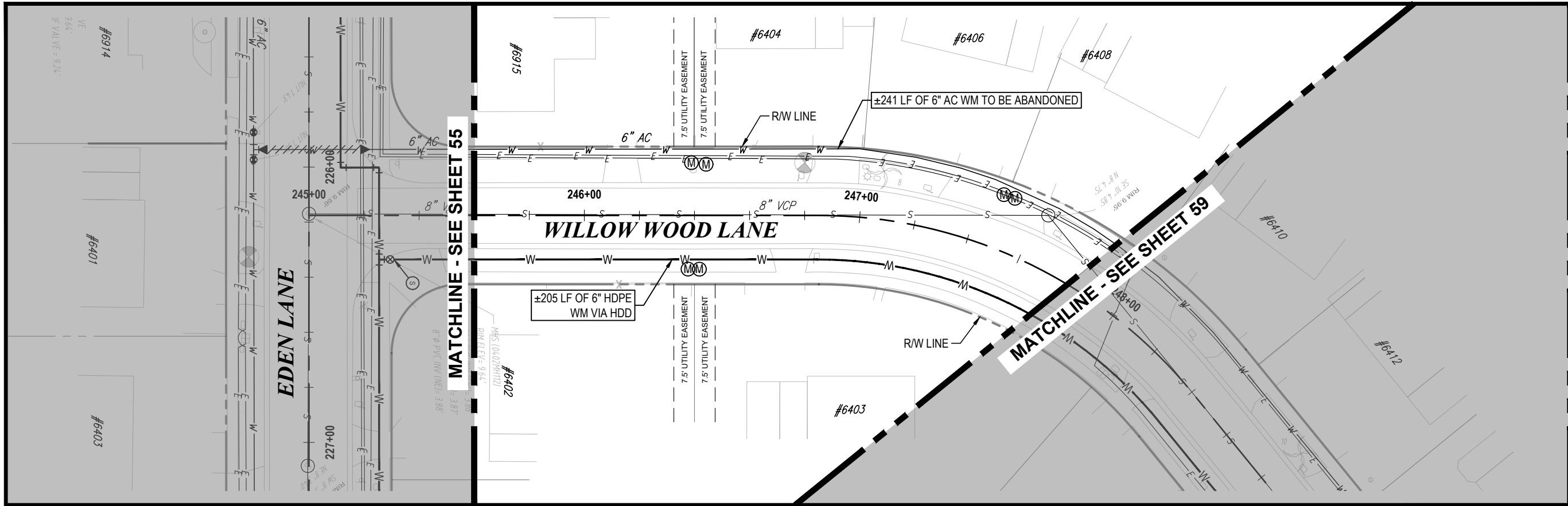
RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

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.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT  
 PLAN & PROFILE SHEET 54



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
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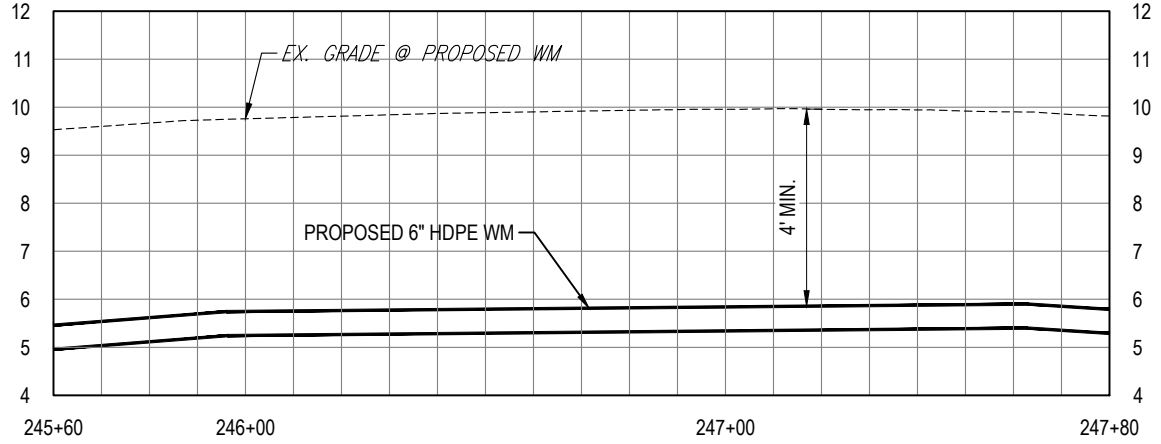


NORTH

S36-T28S-R17E/S31-T28S-R18E  
0 20' 40'  
SCALE - HORIZONTAL

0 2' 4'  
SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 6.dwg, Oct 17, 2022, 8:28am

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CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
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P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT

PLAN & PROFILE SHEET 55

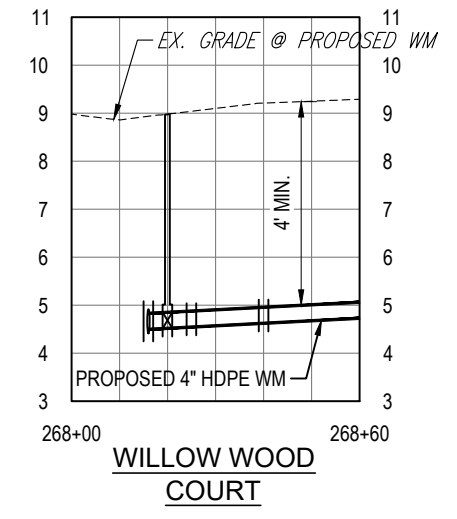
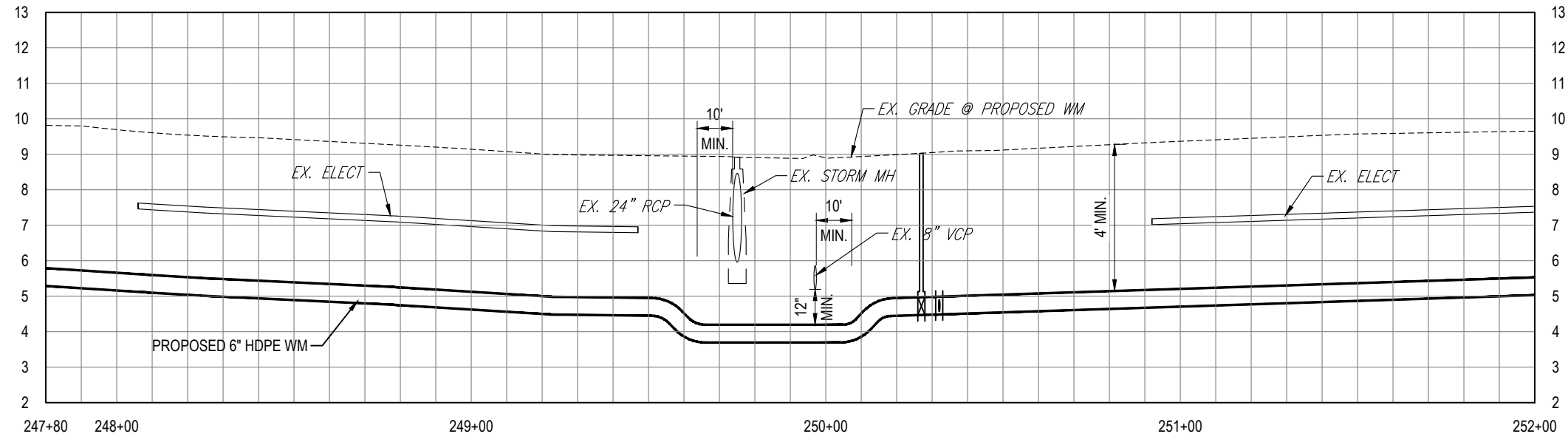
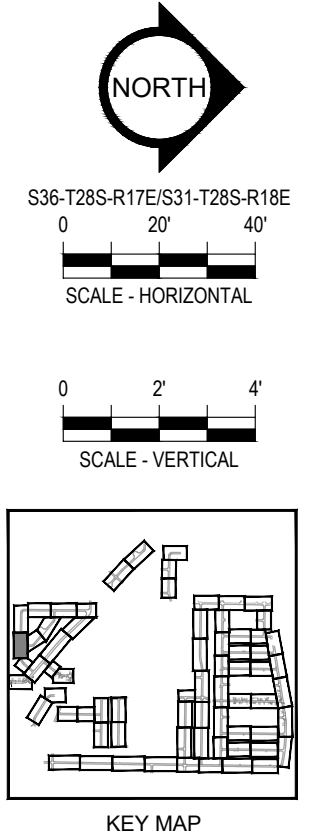
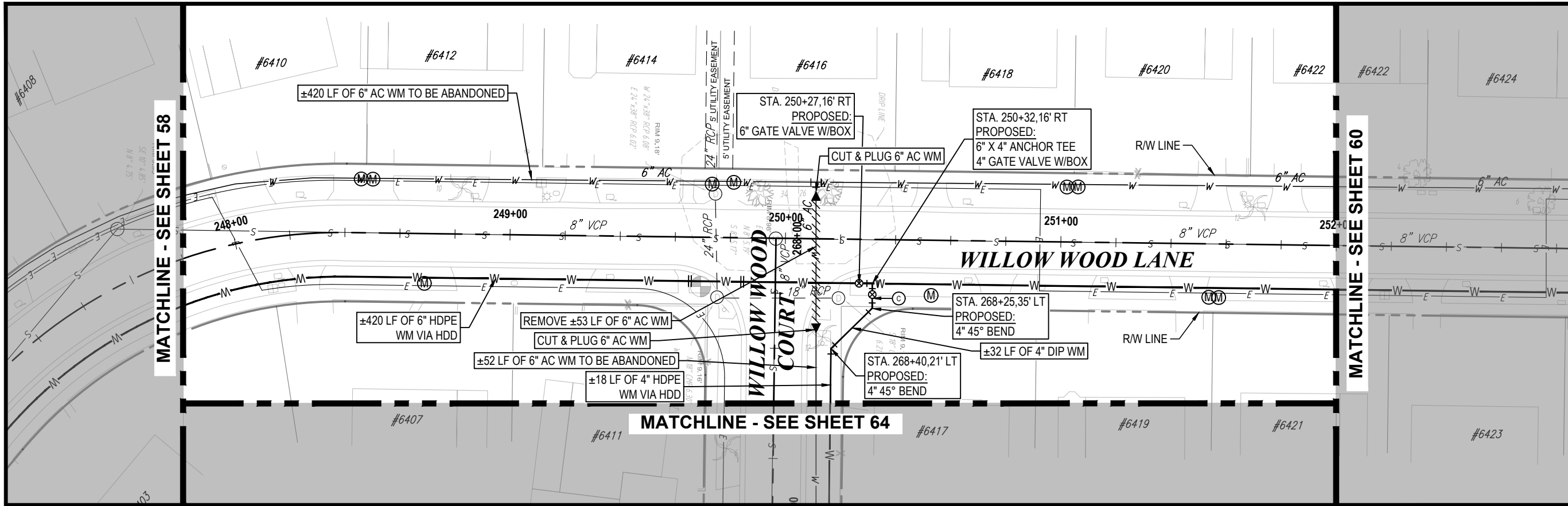


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WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

ATLAS PAGE E6-E7 SHEET 58 OF 80



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 6.dwg, Oct 17, 2022, 8:28am

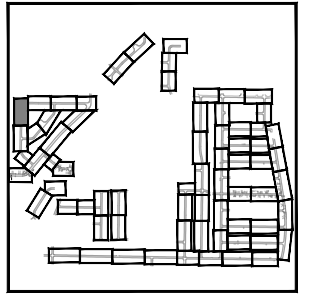
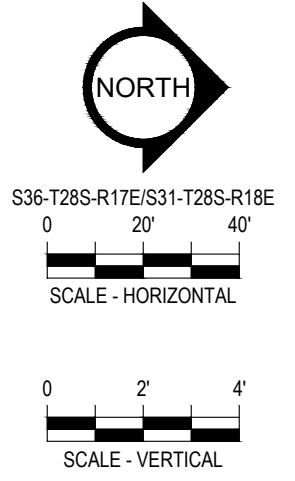
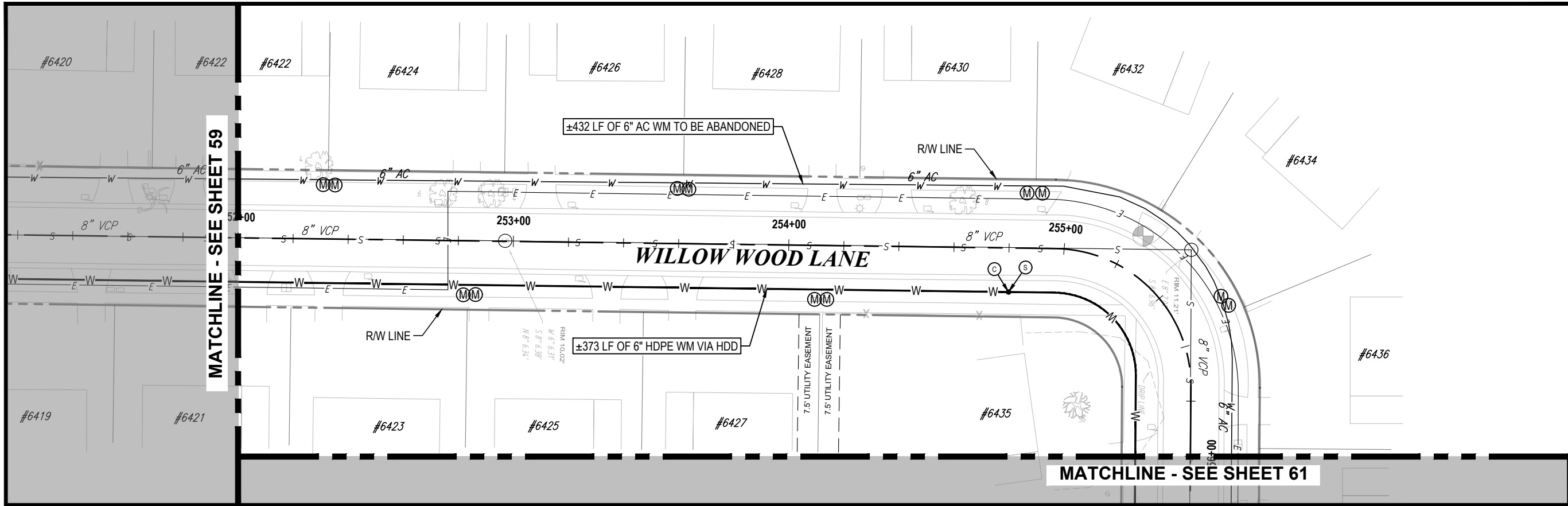
RORY A. JONES, P.E.  
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306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP

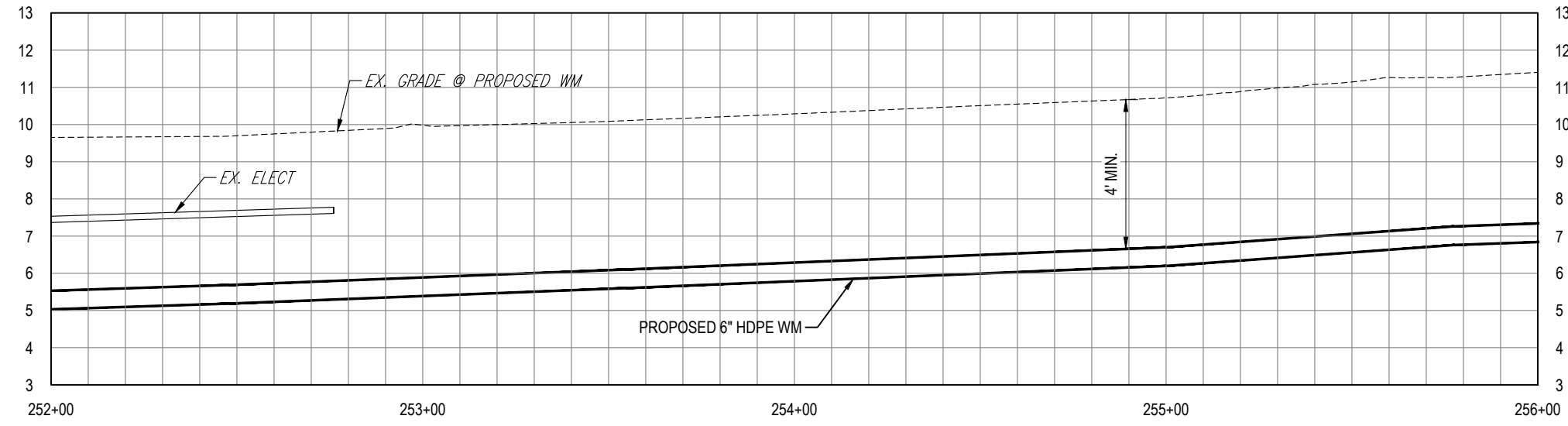
YORKSHIRE PROJECT  
  
PLAN & PROFILE SHEET 56



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	59 OF 80



KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 6.dwg, Oct 17, 2022, 8:28am

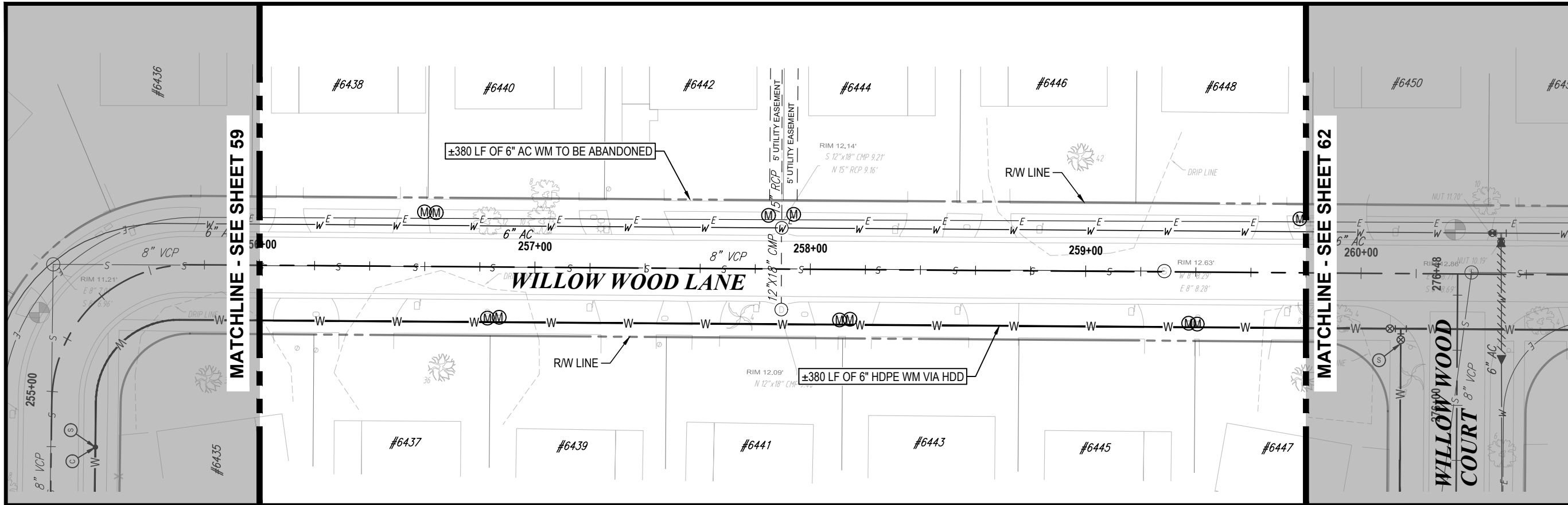
RORY A. JONES, P.E.  
 CITY OF TAMPA WATER DEPT.  
 306 E. JACKSON ST., 5E  
 TAMPA, FLA. 33602  
 P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	CHECKED	RAJ
.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT  
 PLAN & PROFILE SHEET 57



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	60 OF 80



NORTH

S36-T28S-R17E/S31-T28S-R18E

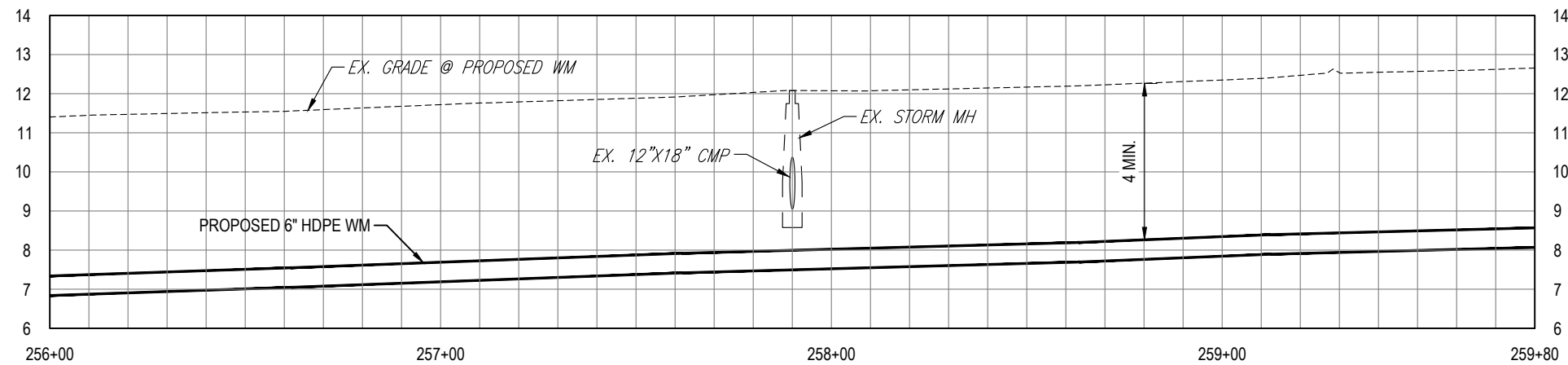
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 6.dwg, Oct 17, 2022, 8:28am

RORY A. JONES, P.E.  
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REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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YORKSHIRE PROJECT

PLAN & PROFILE SHEET 58

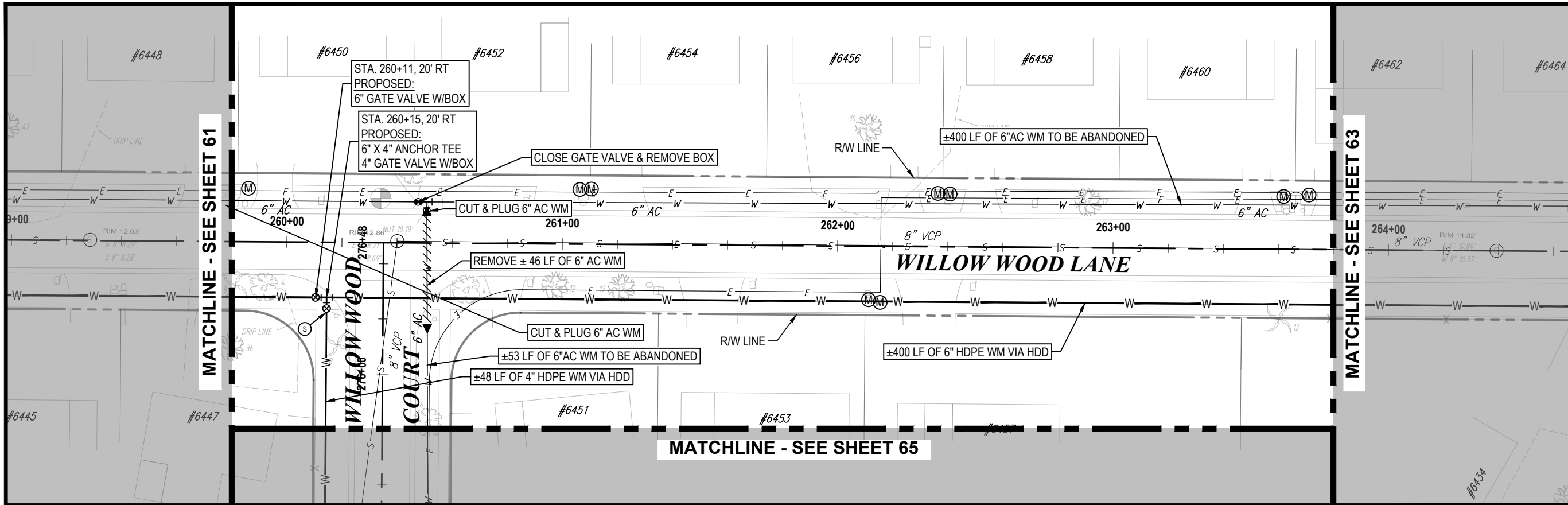


100% PLANS

WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

ATLAS PAGE E6-E7 SHEET 61 OF 80



NORTH

S36-T28S-R17E/S31-T28S-R18E

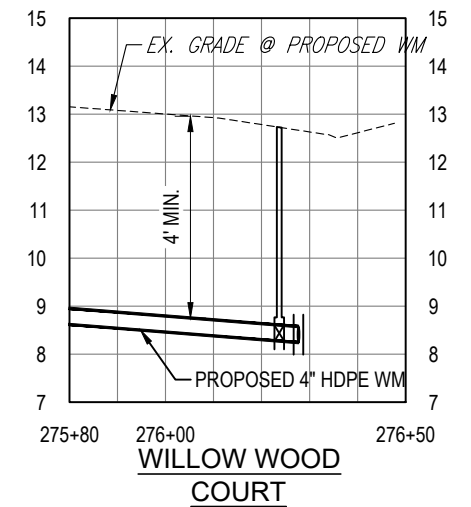
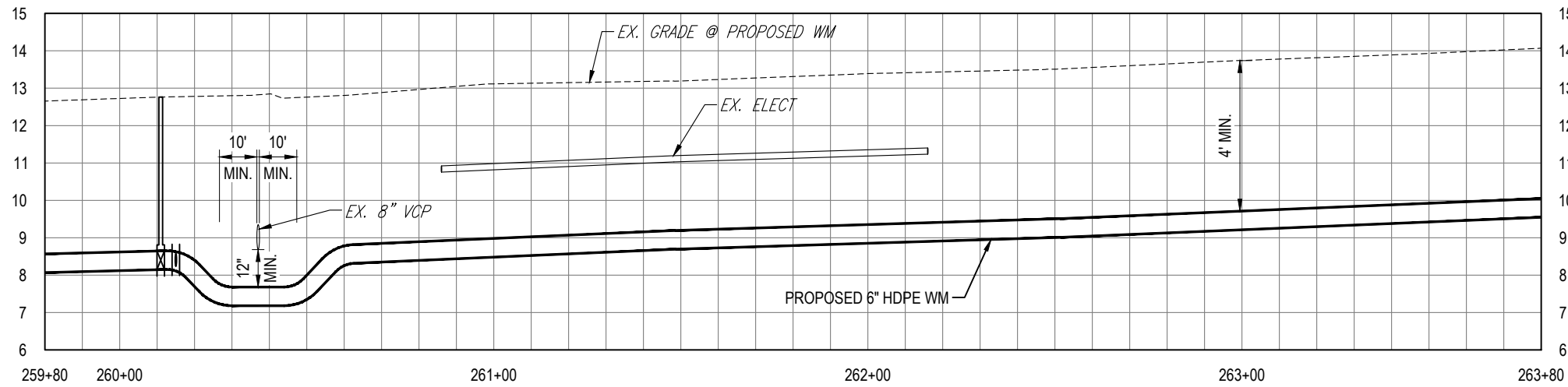
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 6.dwg, Oct 17, 2022, 8:29am

RORY A. JONES, P.E.  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT

PLAN & PROFILE SHEET 59

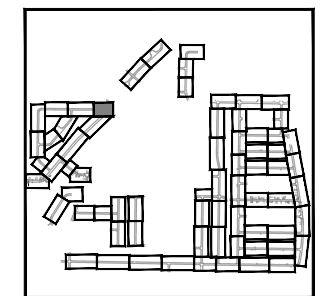
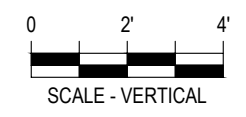
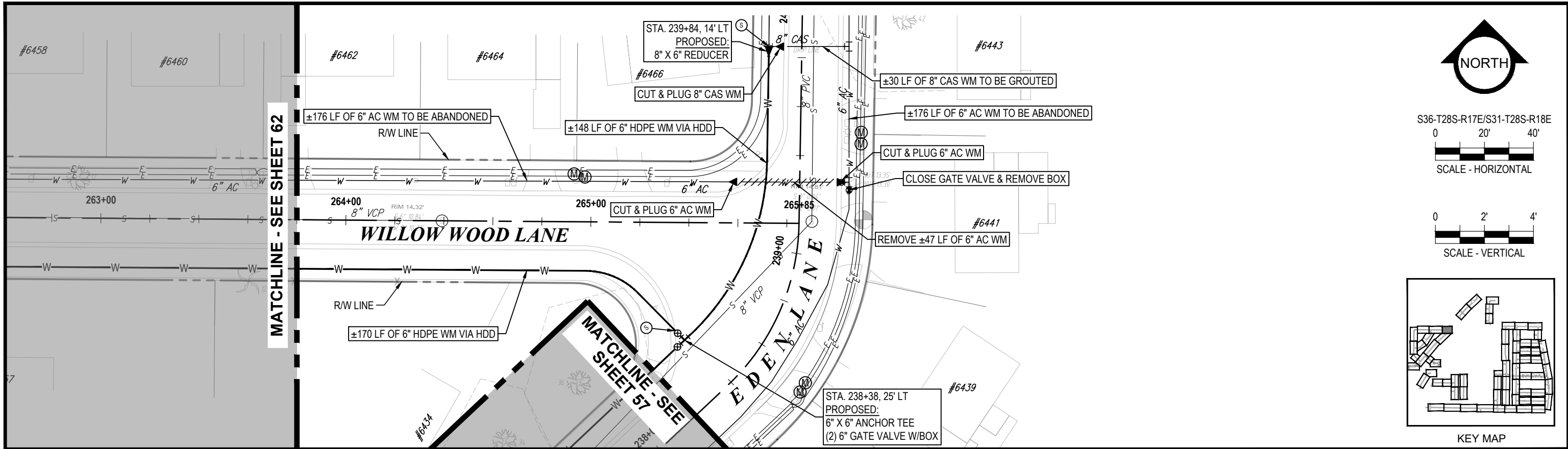


100% PLANS

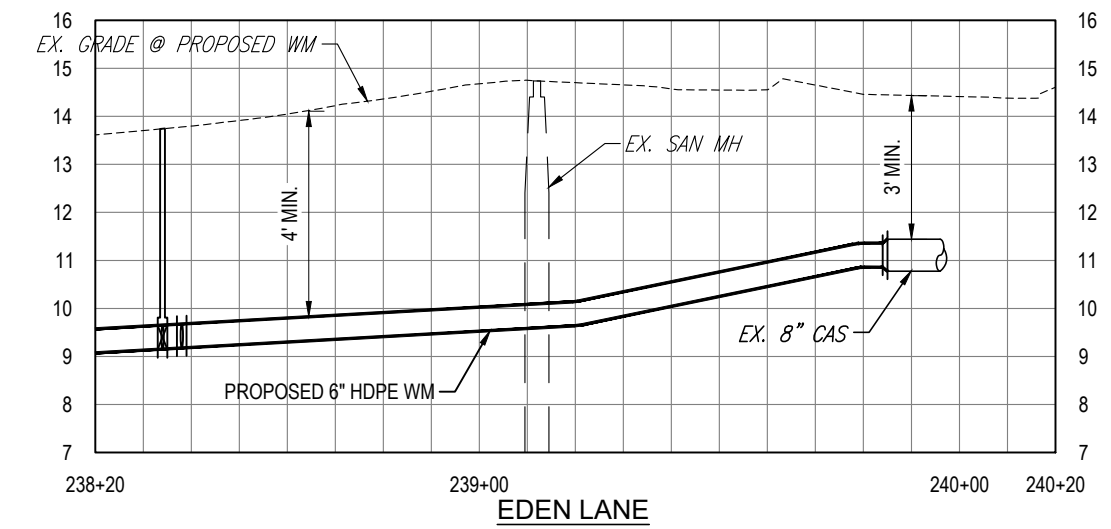
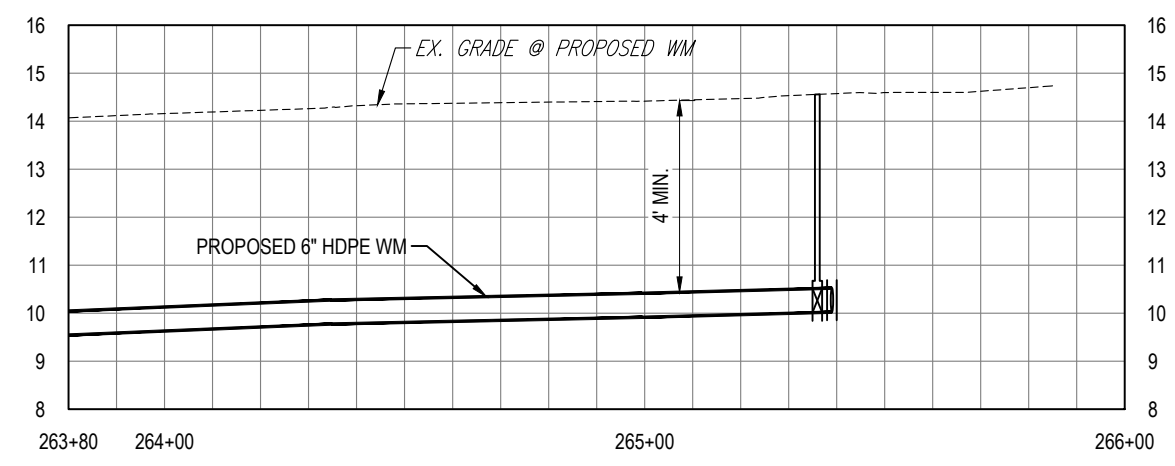
WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

ATLAS PAGE E6-E7 SHEET 62 OF 80



KEY MAP



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RORY A. JONES, P.E.  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
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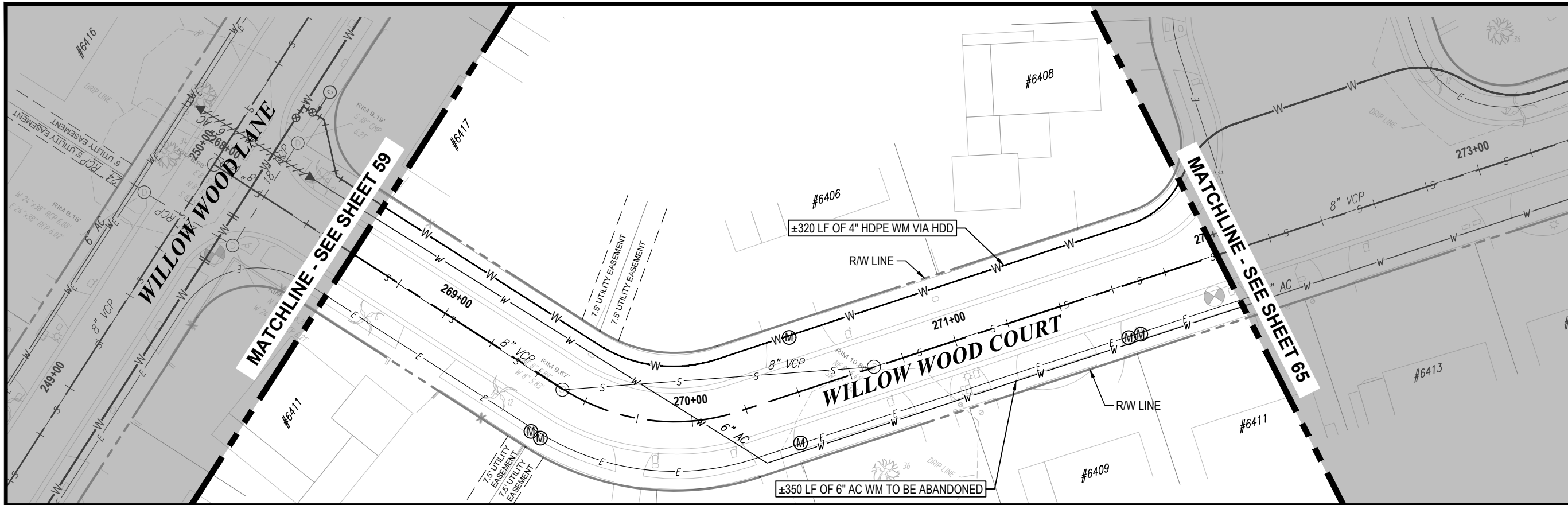
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YORKSHIRE PROJECT  
  
PLAN & PROFILE SHEET 60



100% PLANS  
WORK ORDER NO. WTR-20-0012  
RECORD DRAWING NO.  
ATLAS PAGE E6-E7 SHEET 63 OF 80





S36-T28S-R17E/S31-T28S-R18E

0 20' 40'

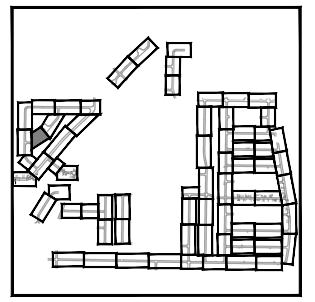


SCALE - HORIZONTAL

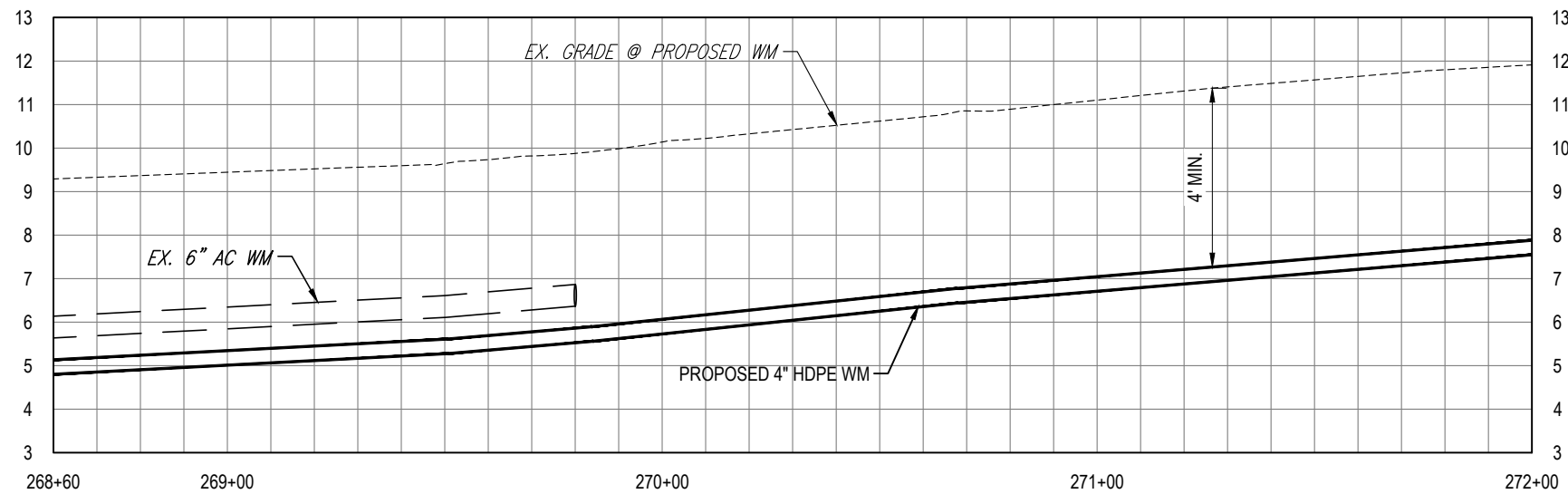
0 2' 4'



SCALE - VERTICAL



KEY MAP



K:\Projects\WTR\20\0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 6.dwg, Oct 17, 2022, 8:29am

RORY A. JONES, P.E.  
CITY OF TAMPA WATER DEPT.  
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TAMPA, FLA. 33602  
P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT

PLAN & PROFILE SHEET 61

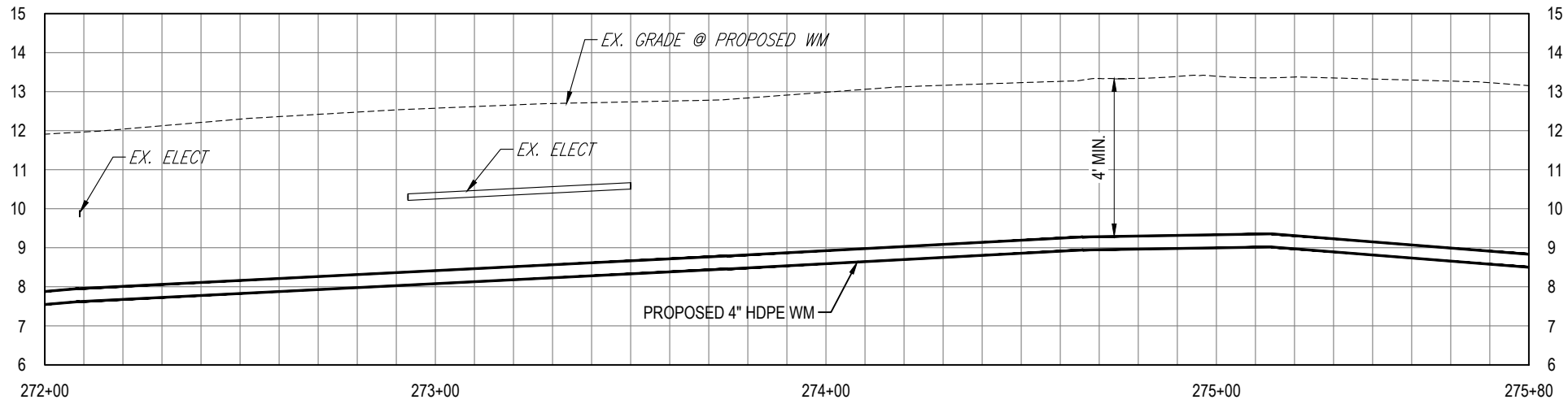
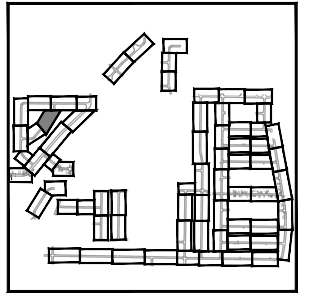
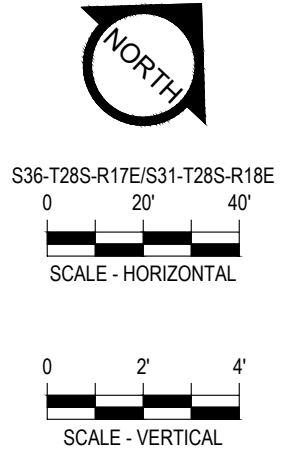
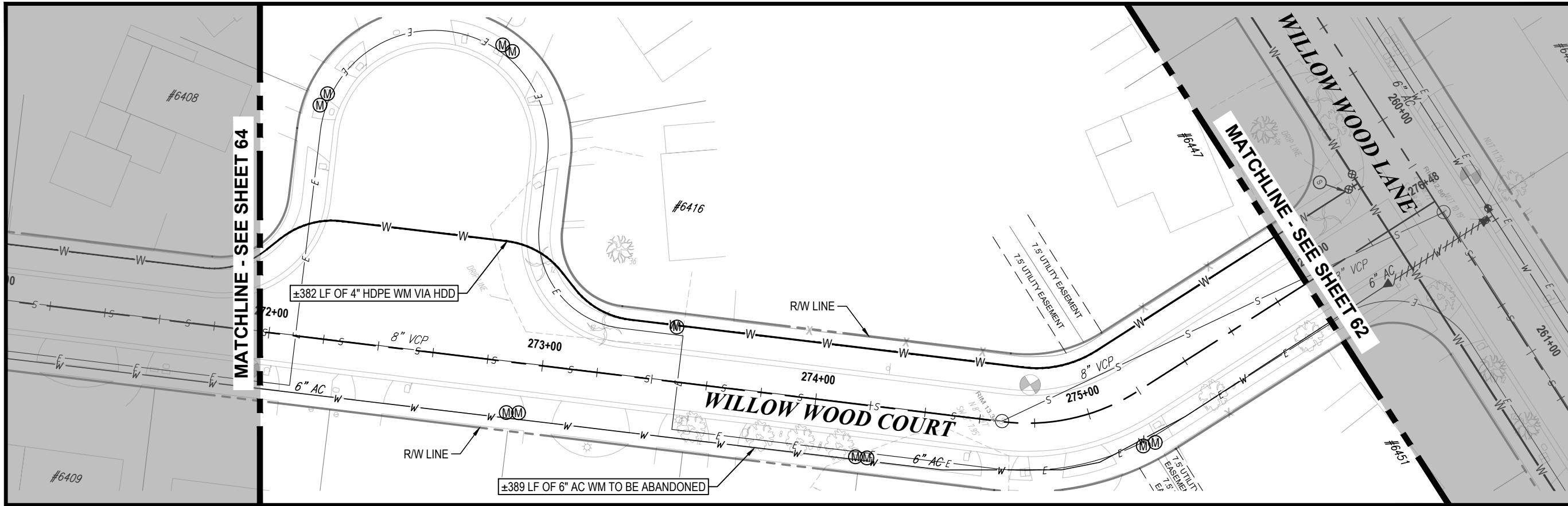


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WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

ATLAS PAGE E6-E7 SHEET 64 OF 80



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.	.	.	.	CHECKED	RAJ
.	.	.	.	DATE	12/01/20

**YORKSHIRE PROJECT**

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**PLAN & PROFILE SHEET 62**



**100% PLANS**

WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

ATLAS PAGE E6-E7 SHEET 65 OF 80

NOTE:  
CONTRACTOR TO VERIFY  
THAT 8" CAS CUT & PLUG ON  
EDEN LANE WILL  
DEACTIVATE 6" AC WM.

EXISTING HYDRANT  
TO BE REMOVED &  
SALVAGED  
CLOSE GATE VALVE  
& REMOVE BOX

#6704  
STA. 214+90, 33' LT  
PROPOSED:  
4" CAP  
BLOW-OFF PER  
DETAIL 2.17A

#6708  
CLOSE GATE VALVE & REMOVE BOX  
STA. 216+35, 21' LT  
PROPOSED:  
12" X 4" TAPPING SLEEVE  
4" TAPPING VALVE W/BOX

REMOVE ±40 LF OF 6" AC WM

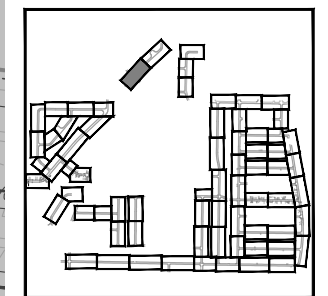
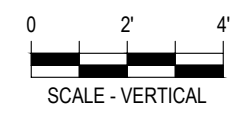
±261 LF OF 6" AC WM  
TO BE ABANDONED

FORRESTVALE LANE

RUNNINGWOOD DRIVE

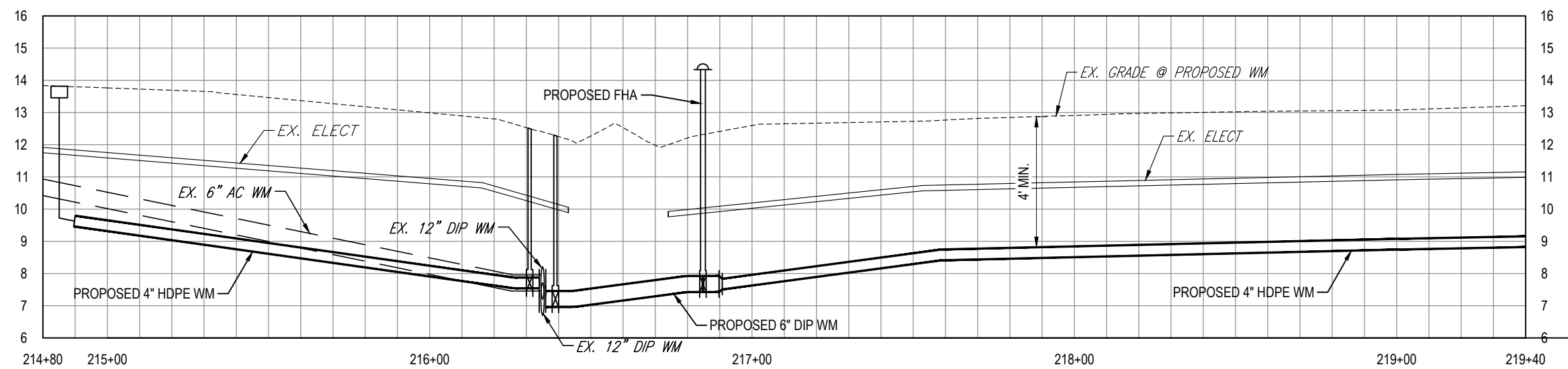
STA. 216+35, 20' RT  
PROPOSED:  
12" X 6" TAPPING SLEEVE  
6" TAPPING VALVE W/BOX

STA. 216+85, 20' RT  
PROPOSED:  
6" X 6" ANCHOR TEE  
6" GATE VALVE W/BOX  
5 1/4" DNS HYDRANT METHOD 1



KEY MAP

MATCHLINE - SEE SHEET 67



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 7.dwg, Oct 17, 2022, 8:29am

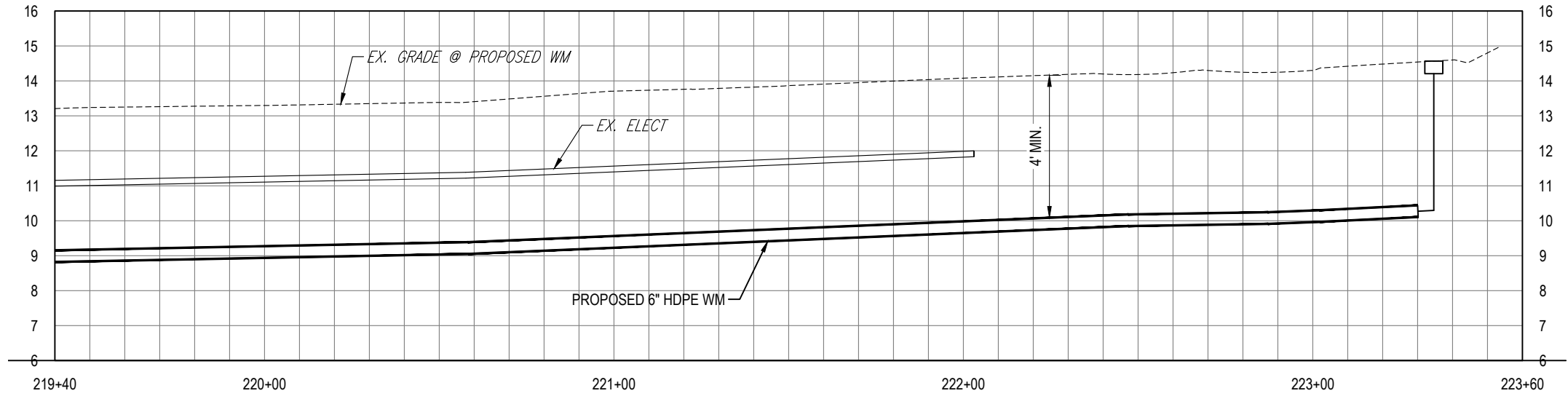
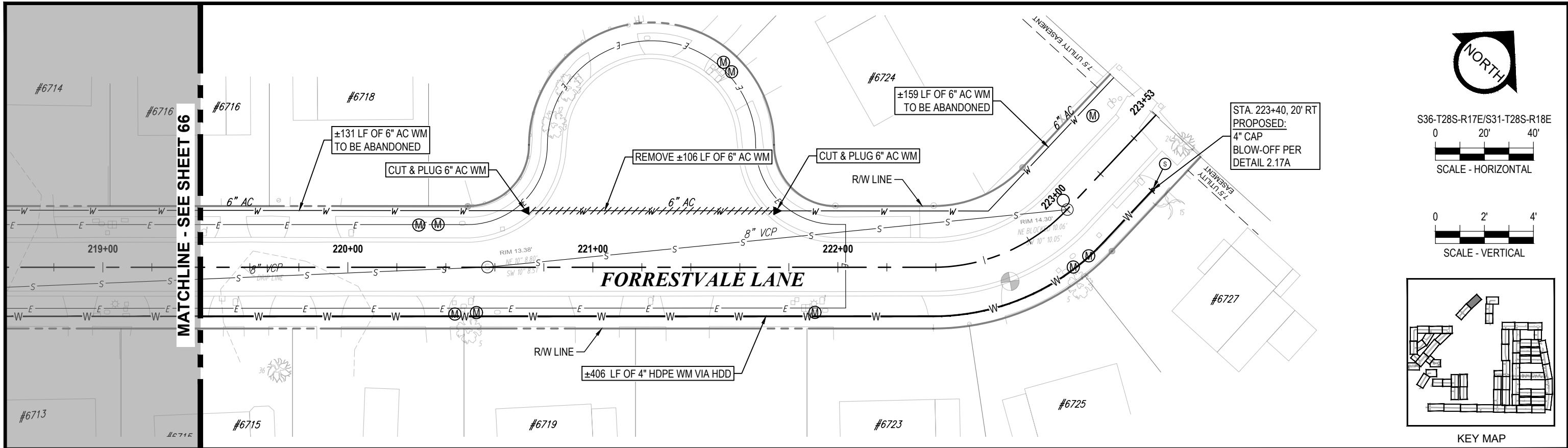
RORY A. JONES, P.E.  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP

YORKSHIRE PROJECT  
PLAN & PROFILE SHEET 63



100% PLANS	
WORK ORDER NO.	WTR-20-0012
RECORD DRAWING NO.	
ATLAS PAGE	E6-E7
SHEET	66 OF 80



K:\Projects\WTR\20-0012 - Yorkshire Project\02-Design\Drawings\01-Dwg\02-Sheets\WTR-20-0012-Plan & Profile Sheet 7.dwg, Oct 17, 2022, 8:29am

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REV NO.	DATE	DESCRIPTION	BY	DESIGNED	NP
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.	.	.	.	CHECKED	RAJ
.	.	.	.	DATE	12/01/20

YORKSHIRE PROJECT

PLAN & PROFILE SHEET 64

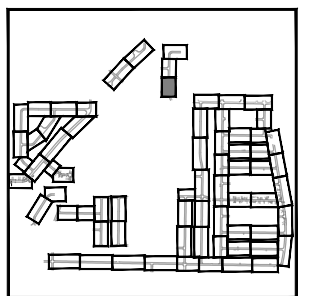
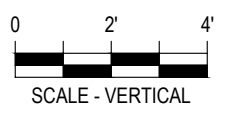
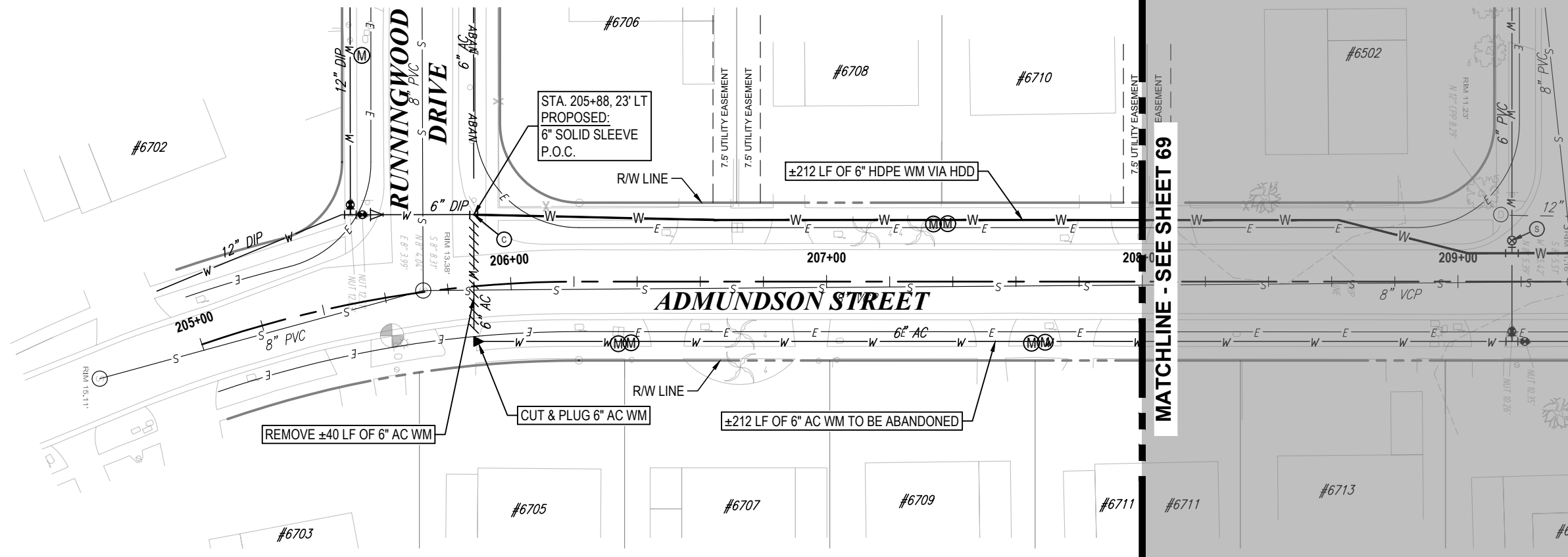


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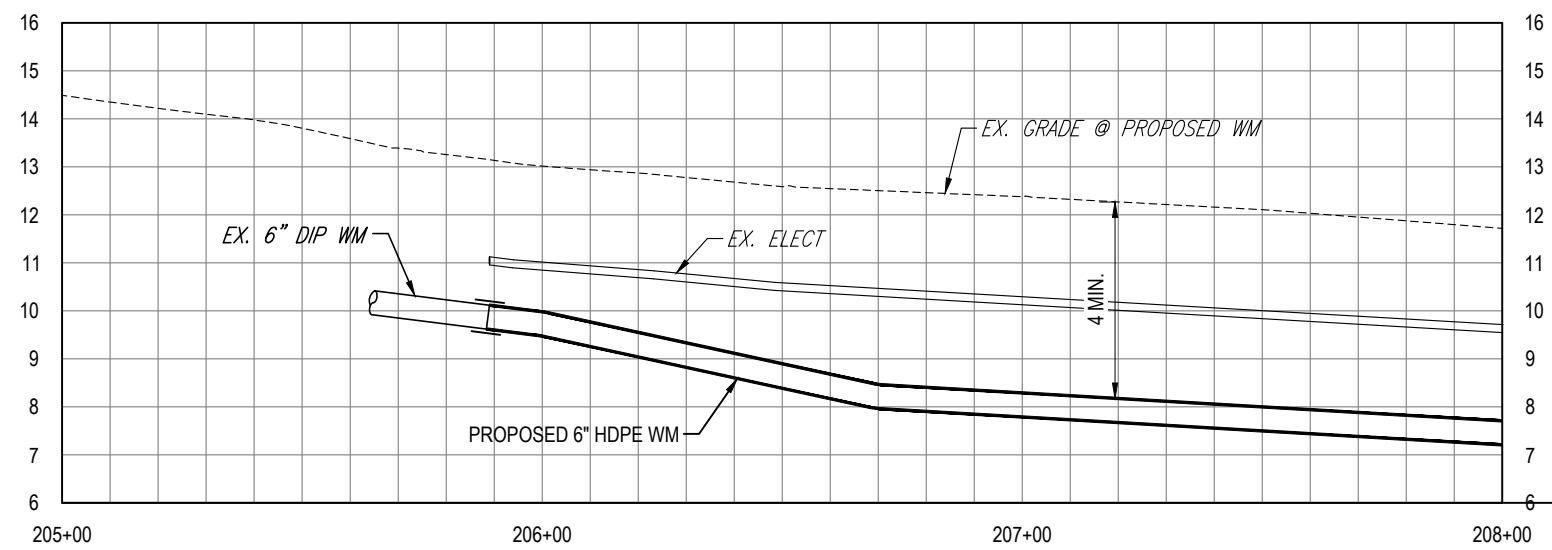
WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

ATLAS PAGE E6-E7 SHEET 67 OF 80



KEY MAP



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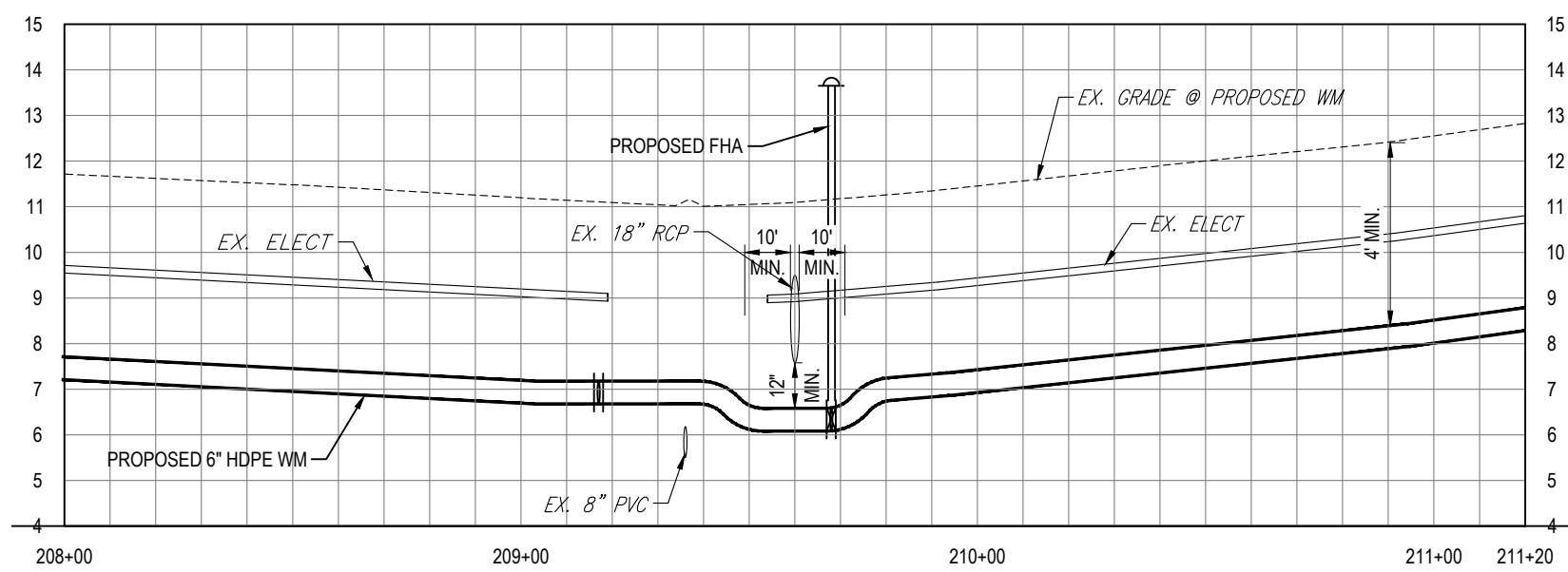
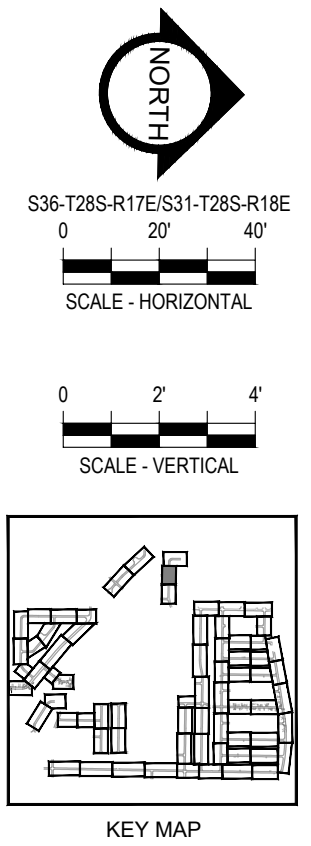
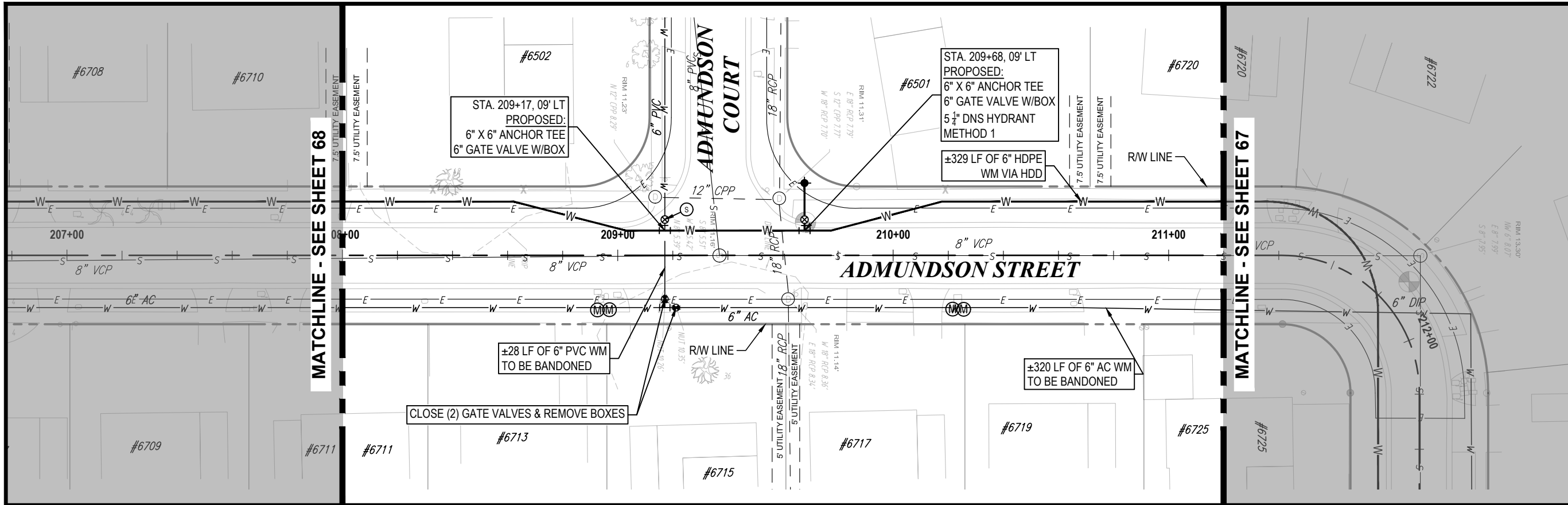
RORY A. JONES, P.E.  
CITY OF TAMPA WATER DEPT.  
306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

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YORKSHIRE PROJECT  
PLAN & PROFILE SHEET 65



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WORK ORDER NO.	WTR-20-0012
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ATLAS PAGE	E6-E7
SHEET	68 OF 80



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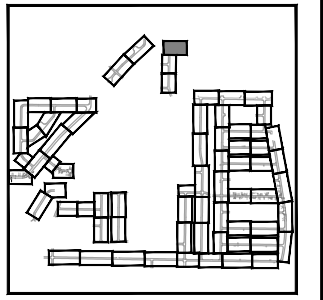
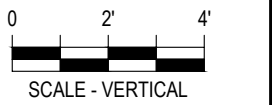
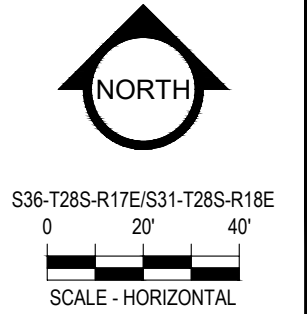
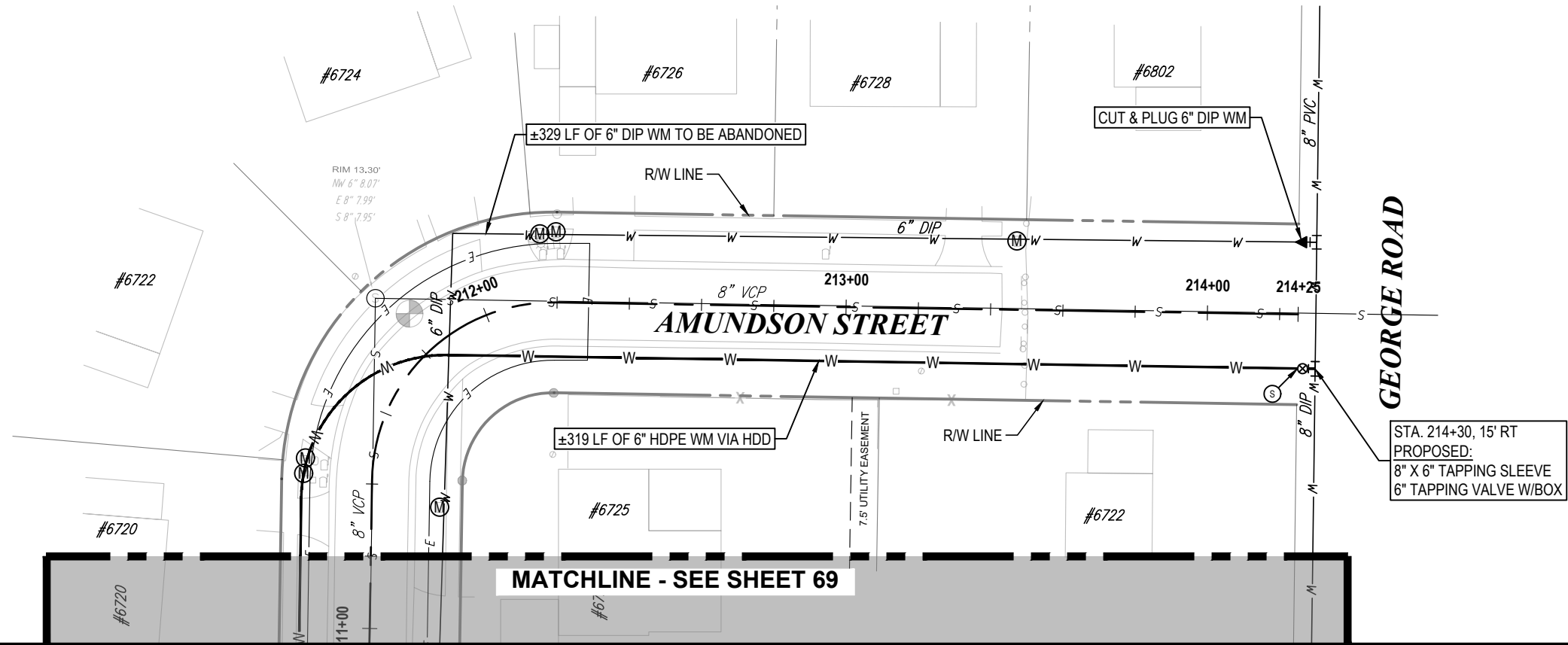
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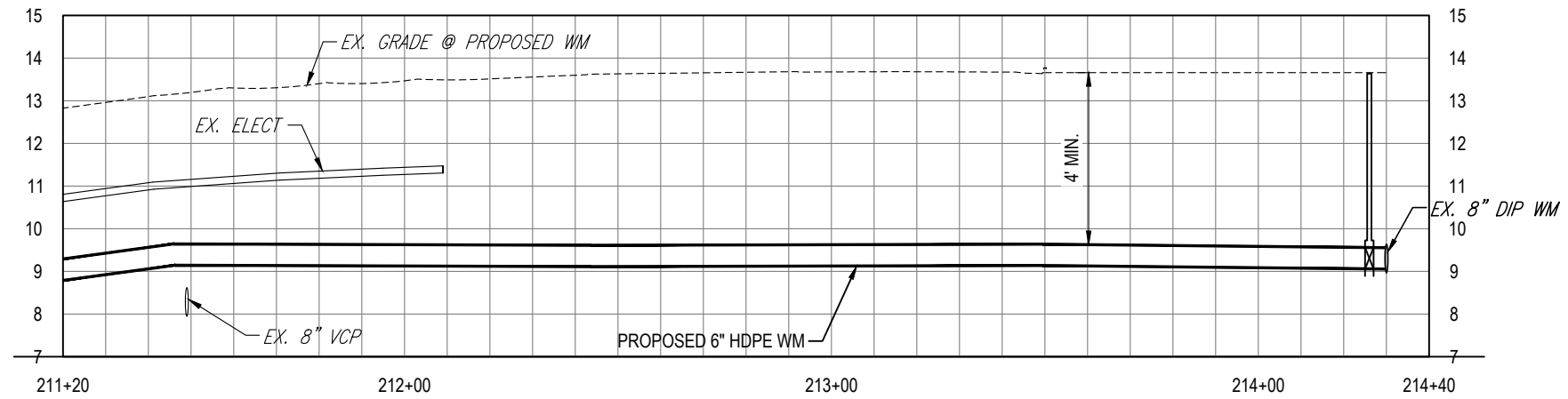
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 PLAN & PROFILE SHEET 66



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KEY MAP



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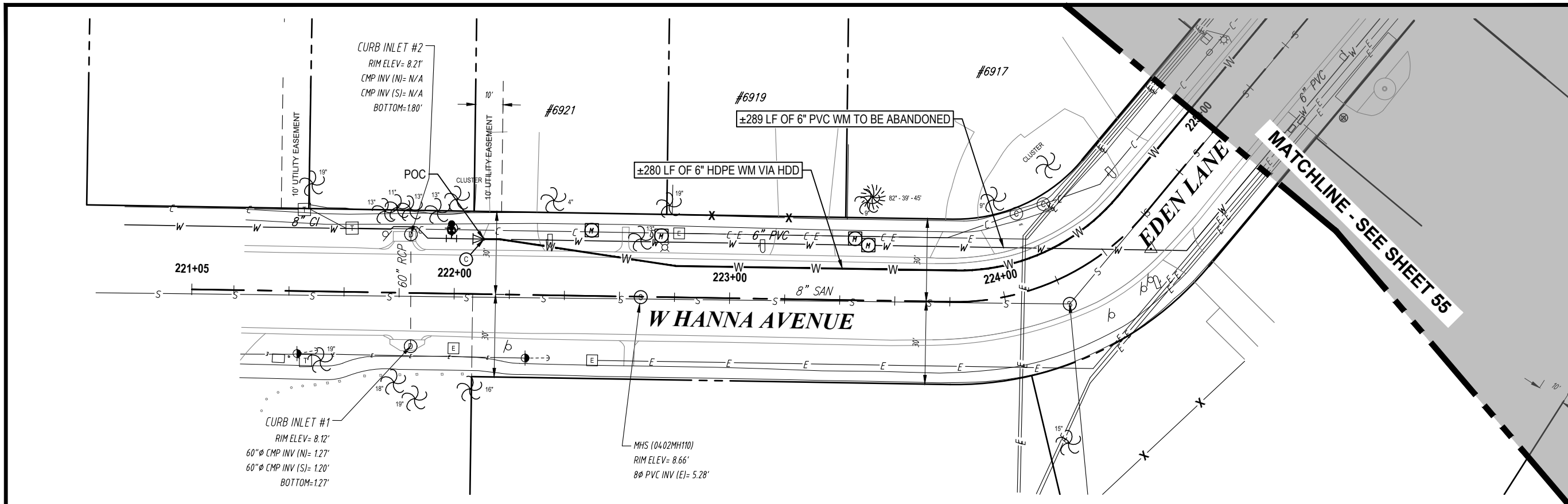


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NORTH

S36-T28S-R17E/S31-T28S-R18E

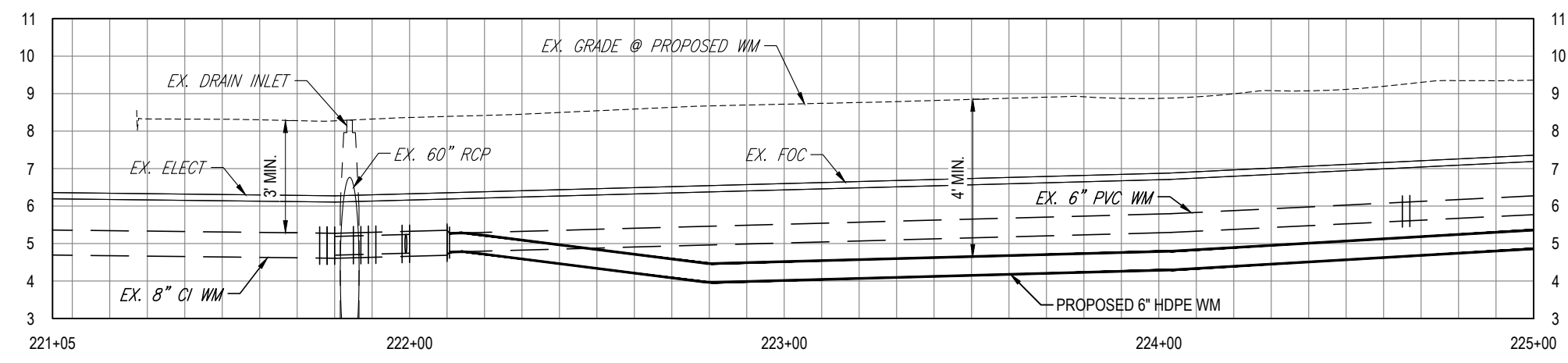
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



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**YORKSHIRE PROJECT**

**PLAN & PROFILE SHEET 68**

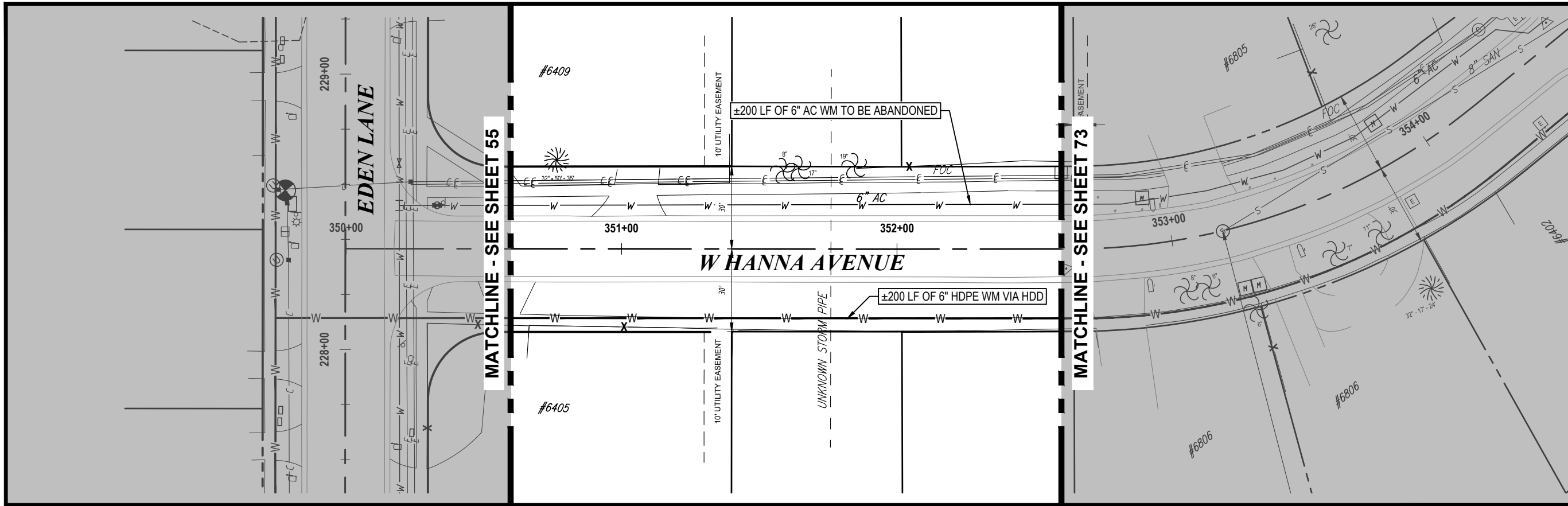
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**NORTH**

S36-T28S-R17E/S31-T28S-R18E

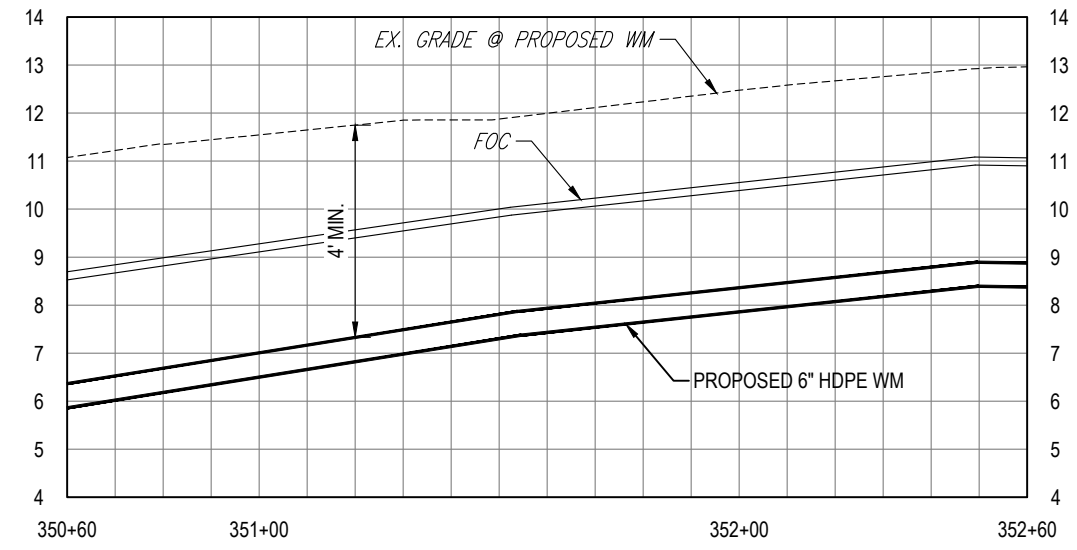
0 20' 40'

SCALE - HORIZONTAL

0 2' 4'

SCALE - VERTICAL

KEY MAP



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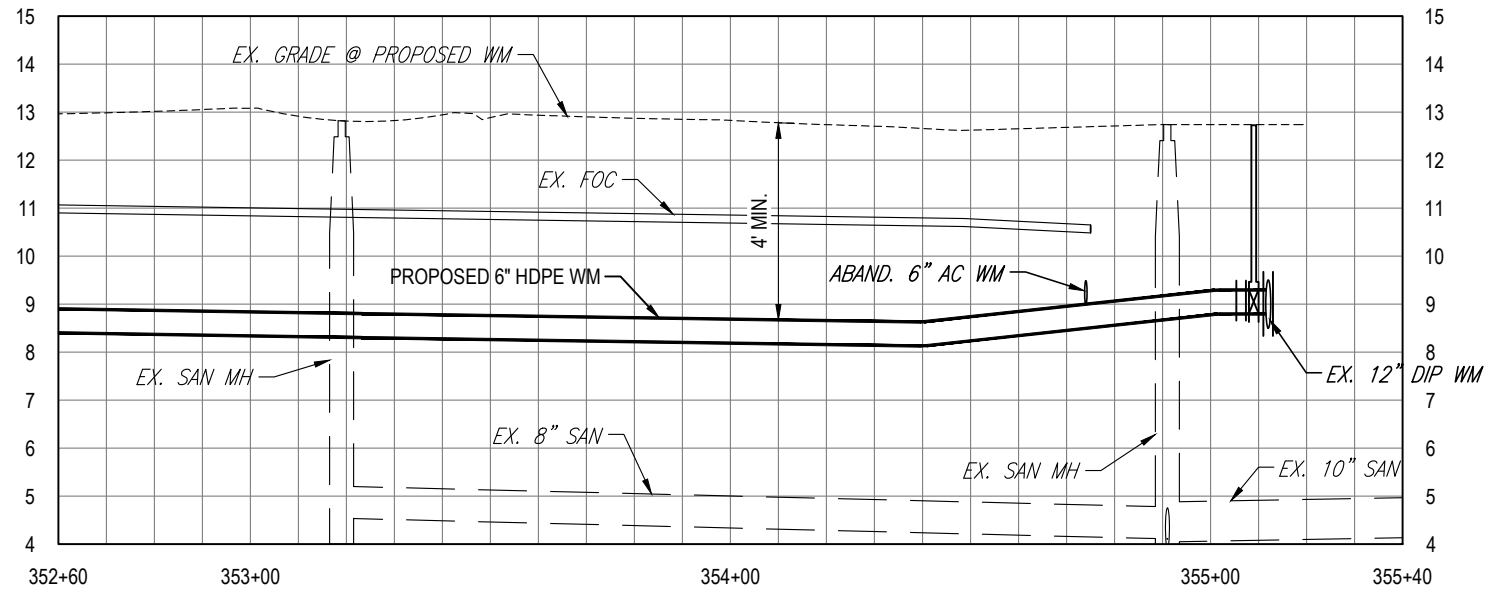
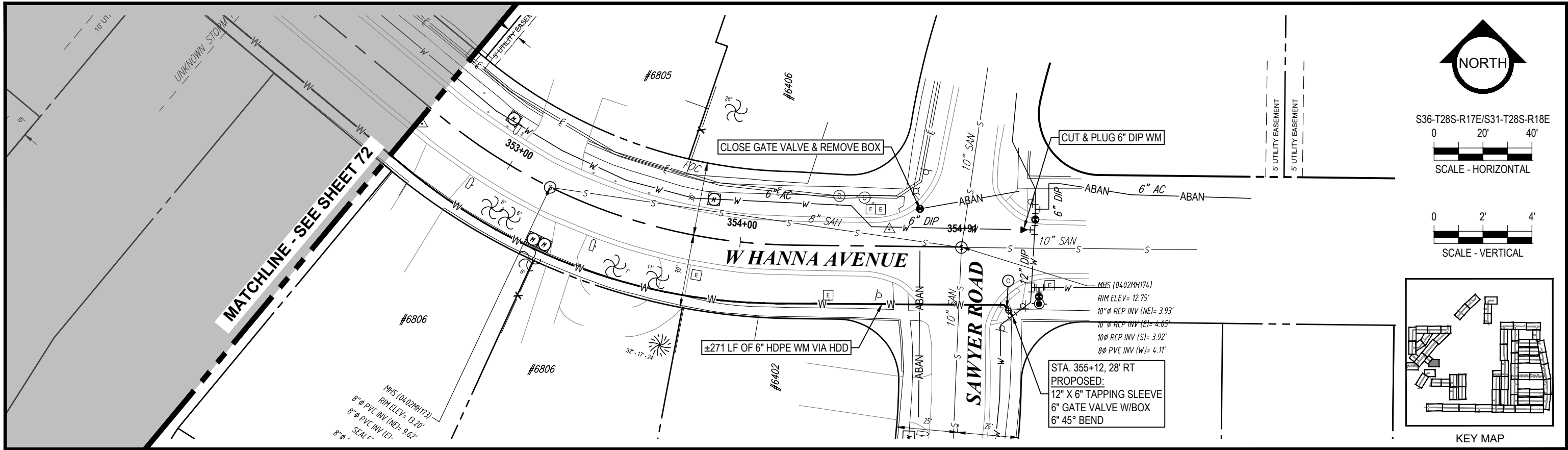
**YORKSHIRE PROJECT**

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**PLAN & PROFILE SHEET 69**



<b>100% PLANS</b>	
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YORKSHIRE PROJECT

PLAN & PROFILE SHEET 70



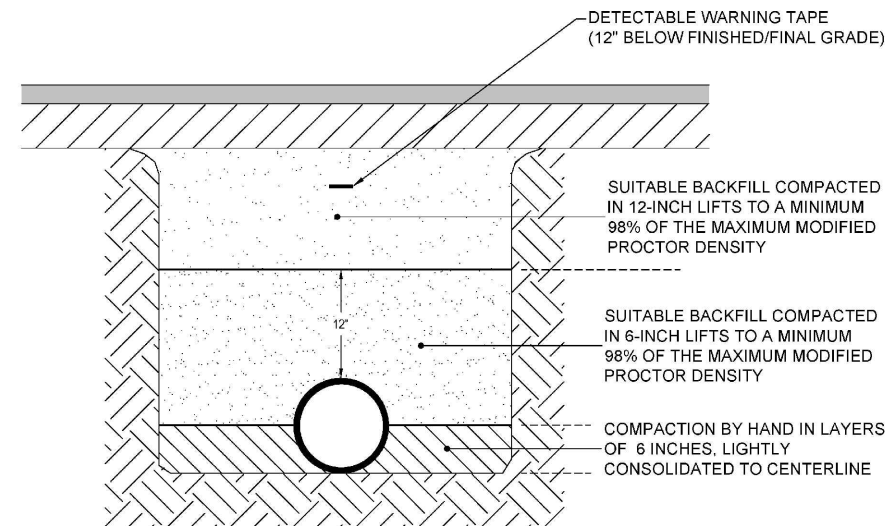
100% PLANS

WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

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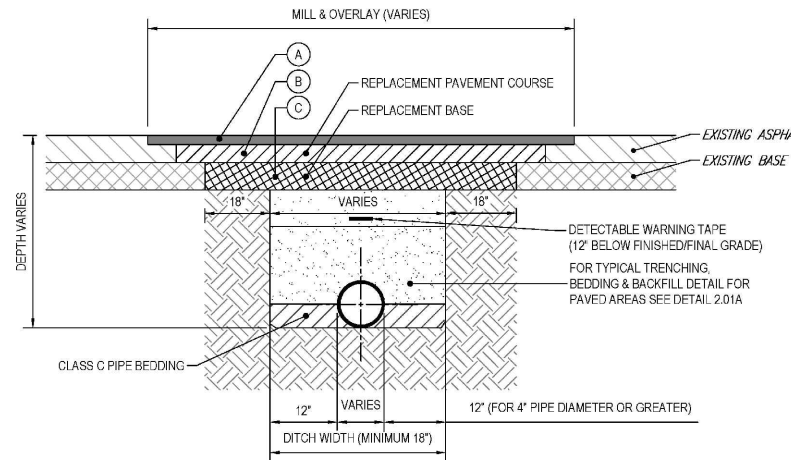
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**NOTES:**

- TRENCH IS DEFINED AS A FLAT-BOTTOM TRENCH. LIGHTLY CONSOLIDATE BACKFILL TO CENTERLINE OF PIPE.
- THIS STANDARD SHALL BE UTILIZED IN THE ABSENCE OF SPECIFIC STANDARDS. THE STANDARD OF THE AGENCY CONTROLLING THE RIGHT-OF-WAY SHALL GOVERN UNLESS OTHERWISE DIRECTED BY CITY ENGINEER.
- SUITABLE BACKFILL SHALL BE DEFINED AS MATERIAL FREE FROM CINDERS, ASHES, REFUSE, CLAY, ORGANIC MATTER, BOULDERS, ROCKS OR STONES, OR OTHER MATERIAL THAT IN THE OPINION OF THE CITY ENGINEER IS UNSUITABLE.
- NON-PERVIOUS AREAS SHALL MEAN ANY CONCRETE OR ASPHALT CURB, SIDEWALK, TRAIL, DRIVEWAY, OR ROADWAY.

	LAST REVISION		
	MAY 2021	TRENCHING, BEDDING AND BACKFILL DETAIL FOR NON-PERVIOUS (PAVED) AREAS	2.01A



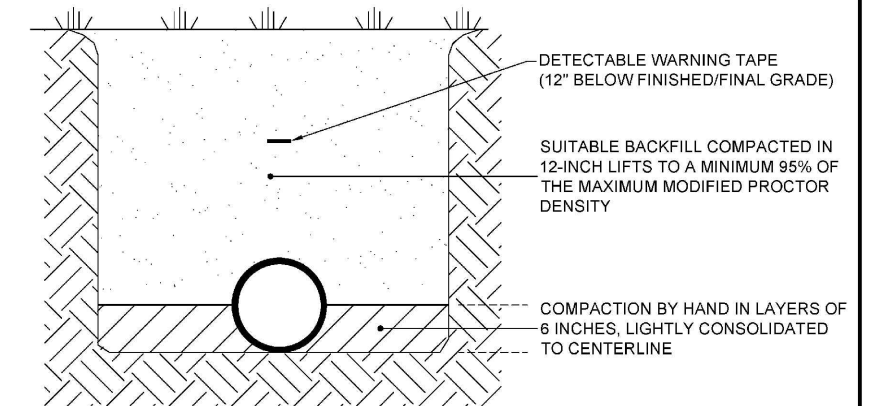
**PAVEMENT LAYERS (SEE SPECIFICATIONS)**

- A. TYPE SP 9.5 ASPHALT (1" MILL & OVERLAY
- B. TYPE SP 9.5 OR SP 12.5 ASPHALT (1" FOR CLASS I, 2" FOR CLASS II)
- C. CRUSHED CONCRETE BASE (8" FOR CLASS I, 12" FOR CLASS II)

**NOTES:**

- PAVEMENT SHALL BE MECHANICALLY SAWED.
- CLASS I = RESIDENTIAL ROAD AND CLASS II = COLLECTOR/ARTERIAL ROAD.
- THE MILL AND OVERLAY COURSE (A) SHALL BE 1" THICK AND FDOT TYPE SP 9.5 ASPHALT SHALL BE USED. LIFT TO BE 3/4" MIN. AND 1 1/2" MAX. FOR CLASS I AND CLASS II ROADS.  
 WHEN TRENCH IS PERPENDICULAR TO THE ROAD: THE WIDTH OF THE REPLACEMENT BASE LIMIT ± 10" ON EACH SIDE  
 WHEN TRENCH IS PARALLEL TO THE ROAD: THE FULL WIDTH OF THE ROAD (CURB TO CURB)
- THE REPLACEMENT PAVEMENT COURSE (B) SHALL EXTEND ± 12" ON EACH SIDE OF THE REPLACEMENT BASE LIMIT AND BE FDOT TYPE SP 9.5 OR SP 12.5 WITH A THICKNESS EQUAL TO THE EXISTING OR AS INDICATED, WHICHEVER IS GREATER. LIFT TO BE 3/4" MIN. AND 1 1/2" MAX. FOR SP 9.5 AND 1 1/2" MIN. TO 3" MAX. FOR SP 12.5.
- THE REPLACEMENT BASE (C) MATERIALS SHALL BE EITHER OF THE SAME TYPE AND COMPOSITION AS THE MATERIALS REMOVED OR OF EQUAL OR GREATER STRUCTURAL ADEQUACY. BASE SHALL BE INSTALLED TO A THICKNESS OF THE EXISTING BASE OR AS INDICATED, WHICHEVER IS GREATER. BASE SHALL EXTEND 18" IN EACH SIDE OF THE TRENCH LIMIT. CRUSHED CONCRETE BASE SHALL FOLLOW FDOT STANDARD SPECIFICATIONS FOR RECYCLED CONCRETE AGGREGATES, LATEST EDITION. LAYER COEFFICIENT (SN) SHALL BE 0.18 WITH LIMESTONE BEARING RATIO (LBR) 150 OR GREATER. GRADATION AND SIZE REQUIREMENTS SHALL CONFORM TO FDOT LATEST SPECIFICATIONS.

	LAST REVISION		
	MAY 2021	STANDARD DETAIL FOR RESTORATION WITHIN COT ROADWAY - FLEXIBLE PAVEMENT	2.01B



**NOTES:**

- TRENCH IS DEFINED AS A FLAT-BOTTOM TRENCH. LIGHTLY CONSOLIDATE BACKFILL TO CENTERLINE OF PIPE.
- THIS STANDARD SHALL BE UTILIZED IN THE ABSENCE OF SPECIFIC STANDARDS. THE STANDARD OF THE AGENCY CONTROLLING THE RIGHT-OF-WAY SHALL GOVERN UNLESS OTHERWISE DIRECTED BY CITY ENGINEER.
- SUITABLE BACKFILL SHALL BE DEFINED AS MATERIAL FREE FROM CINDERS, ASHES, REFUSE, CLAY, ORGANIC MATTER, BOULDERS, ROCKS OR STONES, OR OTHER MATERIAL THAT IN THE OPINION OF THE CITY ENGINEER IS UNSUITABLE.
- NON-PAVED AREA IS A PERVIOUS AREA. IF ANY PART OF THE TRENCH IS WITHIN A CONCRETE OR ASPHALT CURB, SIDEWALK, DRIVEWAY, OR ROADWAY, THEN STANDARD DETAIL 2.01 APPLIES.

	LAST REVISION		
	MAY 2021	TRENCHING, BEDDING, AND BACKFILL DETAIL FOR PERVIOUS (NON-PAVED) AREAS	2.02

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YORKSHIRE PROJECT

DETAIL SHHET 1

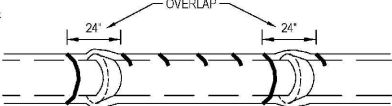


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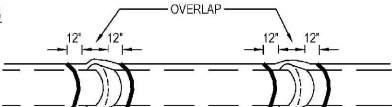
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**METHOD A**



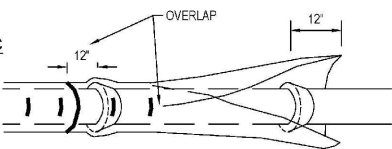
POLYETHYLENE TUBE IS CUT INTO LENGTHS APPROXIMATELY TWO FEET LONGER THAN THE PIPE SECTION AND PLACED AROUND IT. AFTER THE PIPE JOINT IS ASSEMBLED, THE POLYETHYLENE TUBE IS MADE TO OVERLAP THE JOINT AND THE OVERLAP SECURED IN PLACE. SINCE THE TUBE IS CONSIDERABLY LARGER THAN THE BARREL OF PIPE, IT IS MADE TO FIT SNUGLY BY FOLDING OVER AT THE TOP AND SECURING WITH TAPE EVERY 24" ALONG THE PIPE SECTION.

**METHOD B**



POLYETHYLENE TUBE IS CUT ONE FOOT SHORTER THAN THE LENGTH OF THE PIPE SECTION. AFTER PLACEMENT OF THE PIPE, IT IS FOLDED AND SECURED SNUGLY OVERALL. A THREE FOOT LENGTH OF POLYETHYLENE TUBE PLACED OVER THE END OF THE PRECEDING SECTION IS THEN PULLED IN PLACE OVER THE JOINT AFTER ASSEMBLY AND SECURED.


**METHOD C**

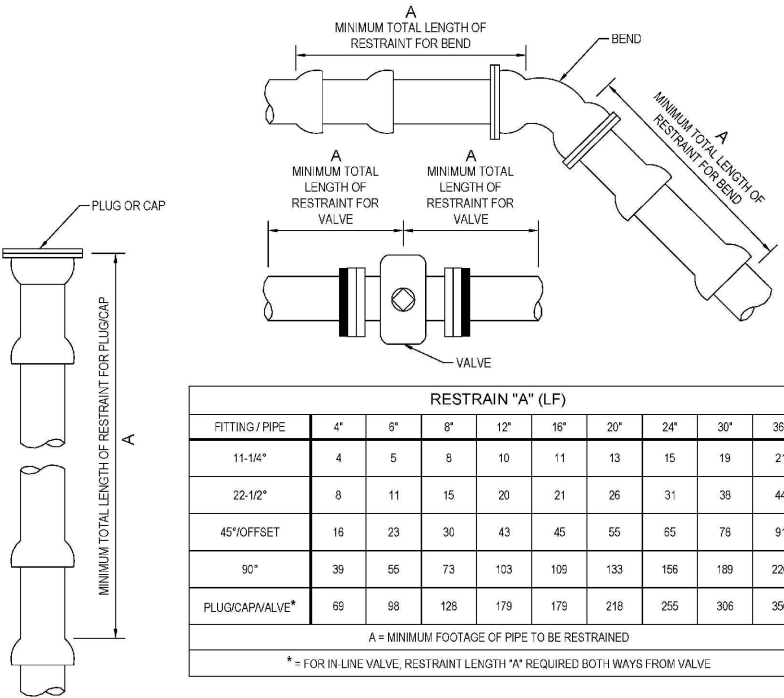


POLYETHYLENE SHEET IS CUT TO A LENGTH TWO FEET LONGER THAN THE PIPE SECTION. THE SHEET IS WRAPPED AROUND THE PIPE SO THAT IT OVERLAPS CIRCUMFERENTIALLY OVER THE TOP QUADRANT OF THE PIPE, THEN SECURED. AFTER JOINT ASSEMBLY, THE SURPLUS LENGTH OF POLYETHYLENE FILM IS SECURED AROUND THE JOINT, PROVIDING AN OVERLAP OF EACH JOINT. TAPE AT EACH JOINT AND AT 3' INTERVALS IN BETWEEN.

NOTES:

- USE BLUE POLYETHYLENE FILM AND TAPE ONLY.
- POLYETHYLENE FILM SHALL BE A MINIMUM OF 8 MIL. THICKNESS.
- SPIRAL WRAP NOT REQUIRED WITH POLYWRAP.

	LAST REVISION MAY 2021	POLYETHYLENE ENCASEMENT INSTALLATION DETAIL	2.05
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**RESTRAIN "A" (LF)**

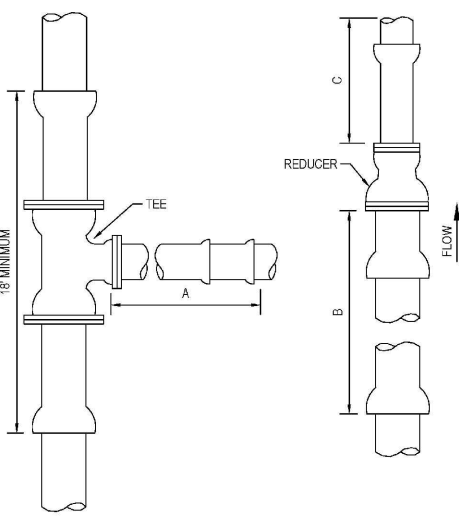
FITTING / PIPE	4"	6"	8"	12"	16"	20"	24"	30"	36"
11-14"	4	5	8	10	11	13	15	19	21
22-1/2"	8	11	15	20	21	26	31	38	44
45° OFFSET	16	23	30	43	45	55	65	78	91
90°	39	55	73	103	109	133	156	189	220
PLUG/CAP/VALVE*	69	98	128	179	179	218	255	306	356

A = MINIMUM FOOTAGE OF PIPE TO BE RESTRAINED  
\* = FOR IN-LINE VALVE, RESTRAIN LENGTH "A" REQUIRED BOTH WAYS FROM VALVE

NOTES:

- THIS TABLE IS BASED ON:
  - MAXIMUM TEST PRESSURE OF 190 PSI
  - LAYING CONDITION TYPE 2 (SEE DETAILS 2.01 AND 2.02)
  - POOR SOIL CONDITIONS
  - USING D.I.P.
  - 3 FEET OF COVER FOR 12" AND SMALLER MAINS; 4 FEET OF COVER FOR 16" AND LARGER MAINS
  - HORIZONTAL BENDS ONLY - ENGINEER TO SUBMIT CALCULATIONS FOR VERTICAL RESTRAINTS
- "RESTRAINED" PIPE SHALL BE MANUFACTURED RESTRAINED JOINT PIPE, PUSH-ON JOINT PIPE RESTRAINED W/GASKET-TYPE "GRIPPER RESTRAINTS", OR MECHANICAL JOINT PIPE RESTRAINED BY MEGALUG (OR APPROVED EQUIVALENT).
- ANY ADDITIONAL FITTINGS WITHIN THE RESTRAINED SECTION SHALL BE RESTRAINED ACCORDINGLY.

	LAST REVISION MAY 2021	RESTRAINED JOINT STANDARD FOR BENDS, PLUGS, CAPS, AND VALVES	2.11
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FITTING SIZE	RESTRAIN (LF)		UNRESTRAINED STRAIGHT RUN (LF)
	TEE "A"	REDUCER "B"	
4x4	31	*	*
6x4	14	50	74
6x6	50	*	*
8x4	A.T.	91	178
8x6	48	54	70
8x8	90	*	*
12x4	A.T.	155	455
12x6	24	130	260
12x8	71	95	144
12x12	143	*	*
16x6	A.T.	151	401
16x8	34	130	265
16x12	96	76	103
16x16	148	*	*
20x6	A.T.	195	659
20x8	18	180	461
20x12	85	136	233
20x16	139	76	96
20x20	196	*	*
24x6	A.T.	236	971
24x8	A.T.	224	700
24x12	74	188	391
24x16	130	139	215
24x20	180	76	93
24x24	224	*	*
30x6	A.T.	293	1534
30x8	A.T.	283	1130
30x12	56	255	678
30x16	118	216	426
30x20	169	168	260
30x24	215	108	138
30x30	275	*	*
36x6	A.T.	345	2230
36x8	A.T.	336	1660
36x12	38	314	1030
36x16	104	283	689
36x20	159	244	466
36x24	206	195	306
36x30	269	108	133
36x36	326	*	*

A.T. = RESTRAIN REQUIRED AT TEE ONLY. \* = NOT APPLICABLE

NOTES:

- THIS TABLE IS BASED ON:
  - MAXIMUM TEST PRESSURE OF 190 PSI
  - LAYING CONDITION TYPE 2 (SEE DETAILS 2.01 AND 2.02)
  - POOR SOIL CONDITIONS
  - USING D.I.P.
  - 3 FEET OF COVER FOR 12" AND SMALLER MAINS; 4 FEET OF COVER FOR 16" AND LARGER MAINS
  - HORIZONTAL BENDS ONLY - ENGINEER TO SUBMIT CALCULATIONS FOR VERTICAL RESTRAINTS
- RESTRAINT FOR REDUCERS: IF "C" STRAIGHT RUN OF PIPE DOWNSTREAM OF REDUCER NOT AVAILABLE, THE RESTRAIN "B" UPSTREAM OF REDUCER.
- "RESTRAINED" PIPE SHALL BE MANUFACTURED RESTRAINED JOINT PIPE, PUSH-ON JOINT PIPE RESTRAINED W/GASKET-TYPE "GRIPPER RESTRAINTS", OR MECHANICAL JOINT PIPE RESTRAINED BY MEGALUG (OR APPROVED EQUIVALENT).
- ANY ADDITIONAL FITTINGS WITHIN THE RESTRAINED SECTION SHALL BE RESTRAINED ACCORDINGLY.

	LAST REVISION MAY 2021	RESTRAINED JOINT STANDARD FOR TEES AND REDUCERS	2.12A
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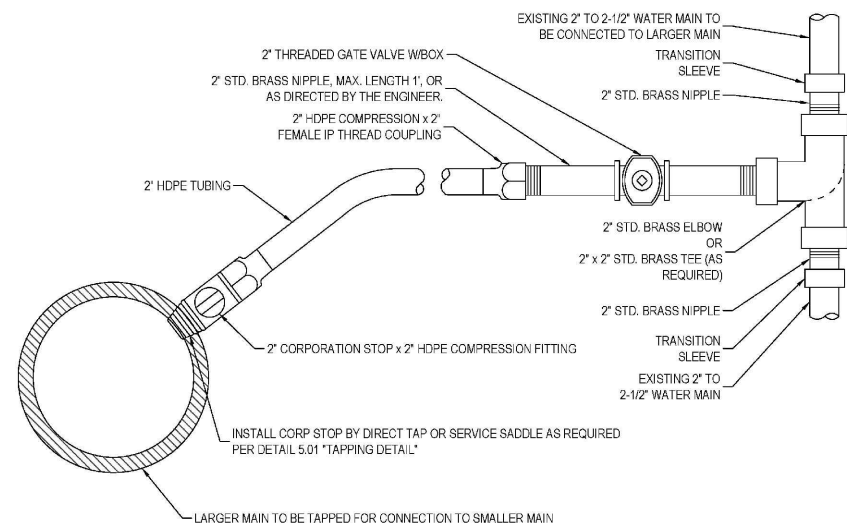
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DETAIL SHEET 2



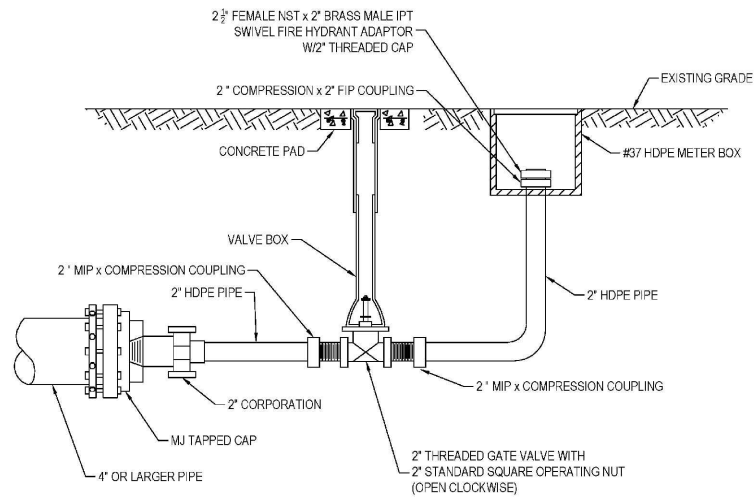
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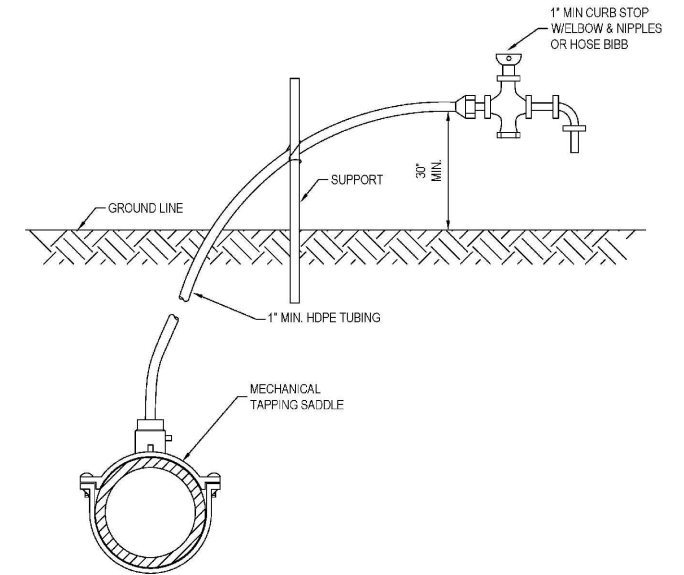
NOTE:  
SEE DETAIL 5.01 TO DETERMINE WHEN SADDLES ARE REQUIRED FOR CORP INSTALLATION. VALVE SHALL BE SET IN ACCORDANCE WITH DETAIL 3.01.

	LAST REVISION		
	MAY 2021	TAPPED CONNECTION FROM DI, CI, OR PVC PIPE TO <4" WATER MAINS	2.13A



**BLOW-OFF FOR ≥ 4" MAINS**  
NO GALVANIZED PIPES OR FITTINGS ALLOWED.  
SCHEDULE 80 PVC ALLOWED.

	LAST REVISION		
	MAY 2021	BLOW-OFF VALVE ASSEMBLY FOR ≥ 4" MAINS W/DI, CI OR PVC PIPE	2.17A



NOTES:

1. WATER OUTLET SHALL BE HELD UP OFF THE GROUND SO AS NOT TO INTERFERE WITH THE SAMPLING PROCESS.
2. CORPORATION STOP TO BE REMOVED AND BRASS PLUG INSTALLED IN TAPPED MAIN AFTER OPERATION.

	LAST REVISION		
	MAY 2021	TEMPORARY SAMPLE TAP INSTALLATION W/DI, CI, OR PVC PIPE	2.18A

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P.E. #79453

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YORKSHIRE PROJECT

DETAIL SHEET 3

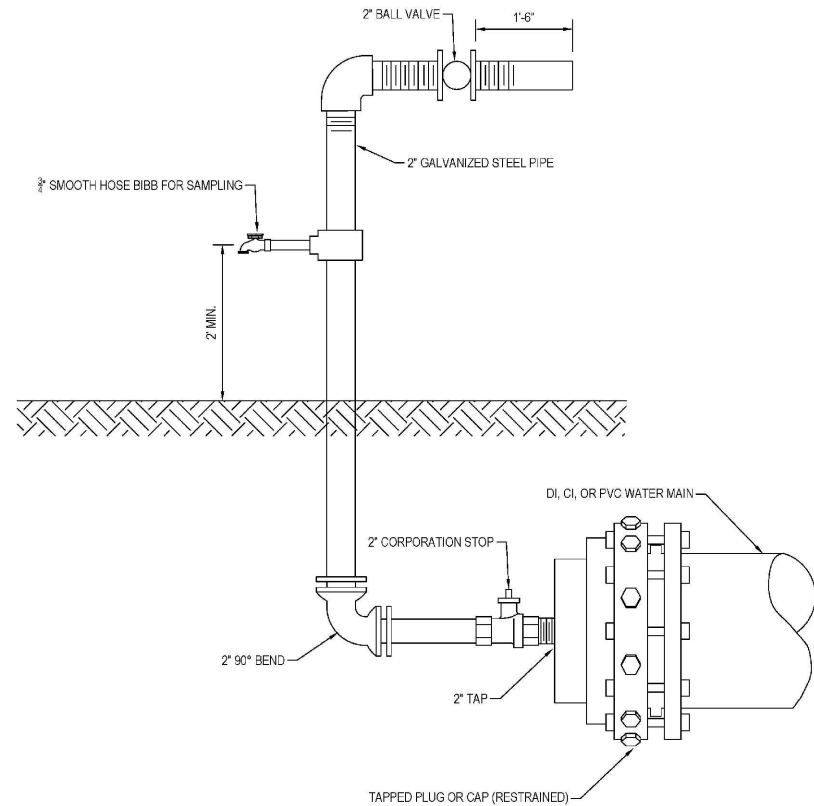


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WORK ORDER NO. WTR-20-0012

RECORD DRAWING NO.

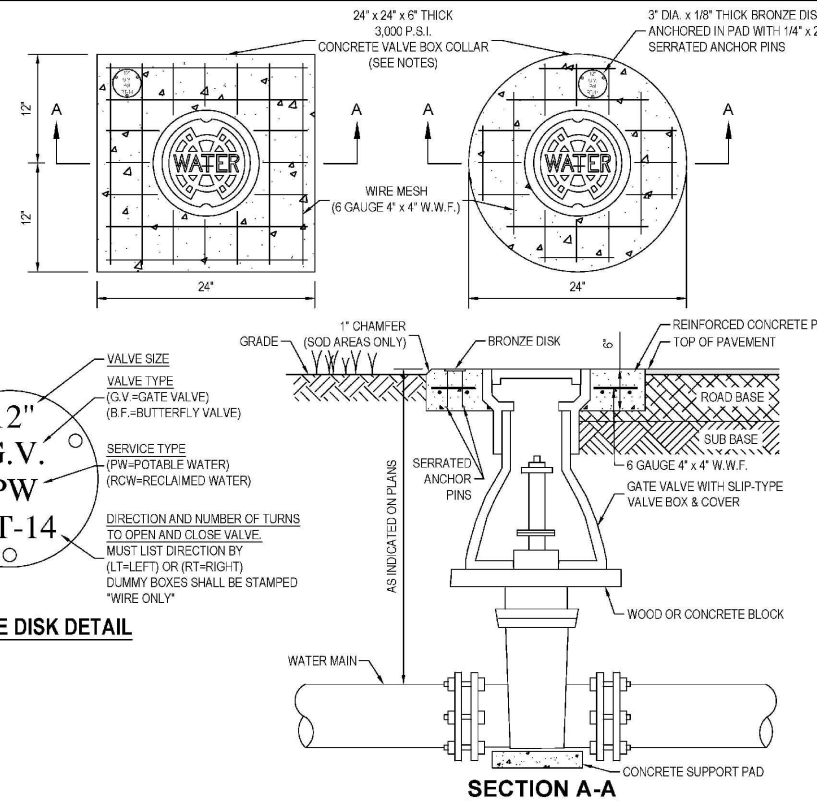
ATLAS PAGE E6-E7 SHEET 76 OF 80



**NOTES:**

1. FOR DEAD-END MAINS, SAMPLE TAP TO BE INSTALLED ON A 2" TAPPED CAPI/PLUG.
2. FLUSHING/SAMPLING ARRANGEMENT TO BE REMOVED AFTER DISINFECTION OF MAIN LINE.
3. AFTER OPERATION COMPLETE, INSTALL BRASS PLUG AT CORPORATION STOP.

	LAST REVISION			
	MAY 2021	TEMPORARY SAMPLE TAP INSTALLATION FOR END OF LINE W/DI, CI, OR PVC PIPE		2.19A

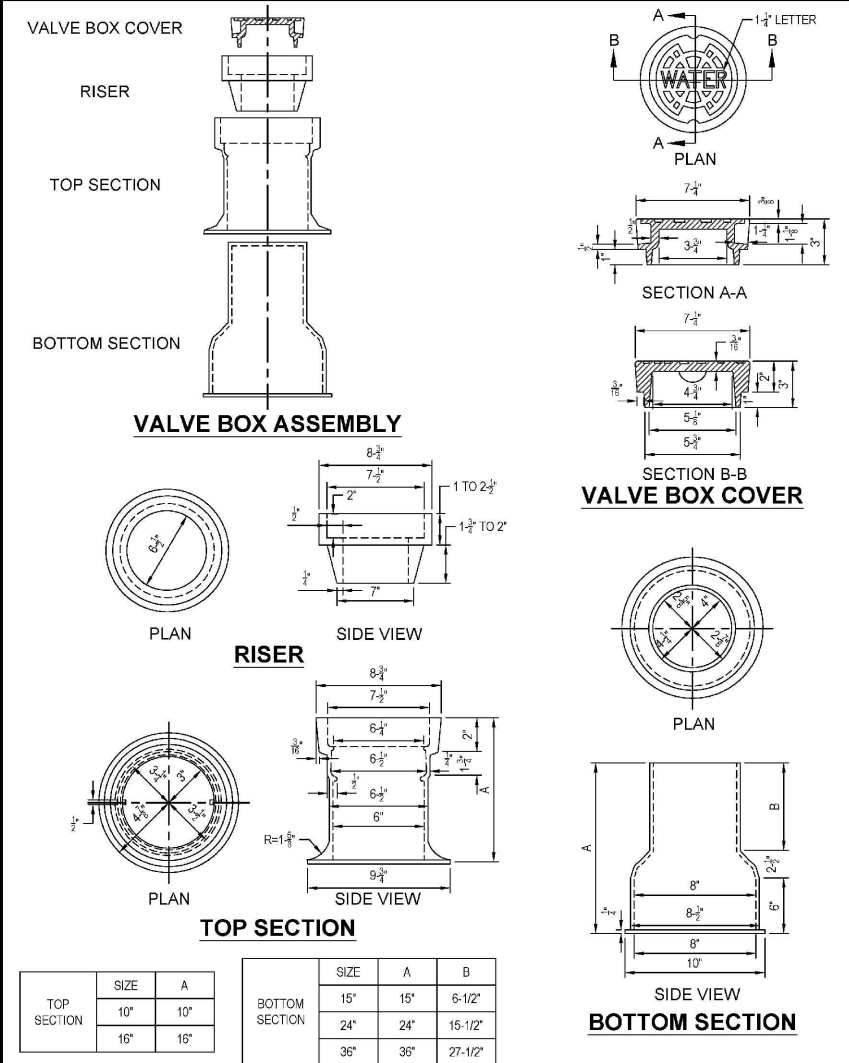


**BRONZE DISK DETAIL**

**NOTES:**

1. CIRCULAR OR SQUARE CONCRETE PAD REQUIRED FOR ALL VALVE BOX INSTALLATIONS IN PERVIOUS AREAS (I.E. OUTSIDE OF ROADWAY PAVEMENT, OUTSIDE OF CONCRETE/ASPHALT DRIVEWAYS, ETC.)
2. CAST IRON VALVE BOXES SHALL BE FIRMLY SUPPORTED AND CENTERED AND PLUMB OVER THE OPERATING NUT OF THE VALVE. VALVE BOX COVER SHALL BE FLUSH WITH THE SURFACE OF THE FINISHED PAVEMENT, OR GRADE OR AT SUCH OTHER LEVEL AS MAY BE DIRECTED BY THE DEPARTMENT.
3. "BLUE" WATER VALVE LOCATE MARKERS REQUIRED FOR ALL VALVE INSTALLATIONS.
4. EMBED BRONZE VALVE INFO DISK INTO CONCRETE VALVE BOX COLLAR.
5. ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST T.W.D. APPROVED MATERIAL SPECIFICATIONS.
6. IF VALVE IS LOCATED WITHIN A SIDEWALK CONCRETE COLLAR MAY BE ELIMINATED AND DISK SET FLUSH DIRECTLY IN SIDEWALK.
7. BRONZE DISK REQUIRED FOR ALL VALVES AND DUMMY BOXES.

	LAST REVISION			
	MAY 2021	VALVE INSTALLATION W/VALVE BOX & PAD FOR DI OR CI PIPE		3.01



	LAST REVISION			
	MAY 2021	VALVE BOX, SLIP TYPE		3.04

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306 E. JACKSON ST., 5E  
TAMPA, FLA. 33602  
P.E. #79453

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YORKSHIRE PROJECT

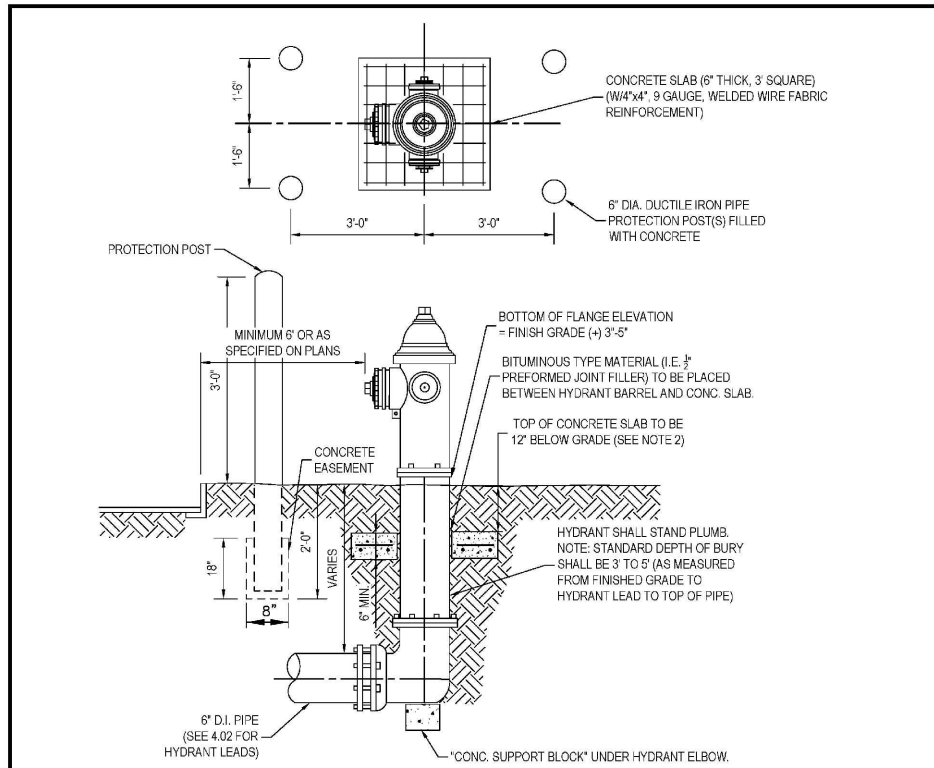
DETAIL SHEET 4



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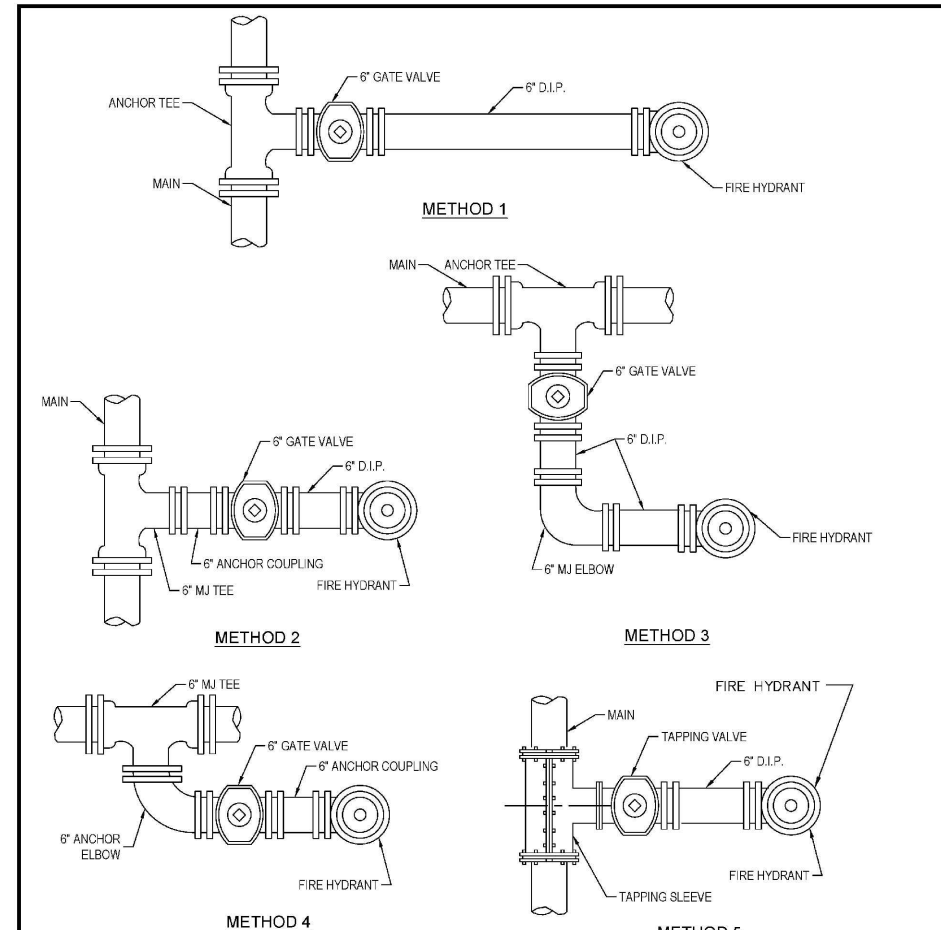
WORK ORDER NO.	WTR-20-0012
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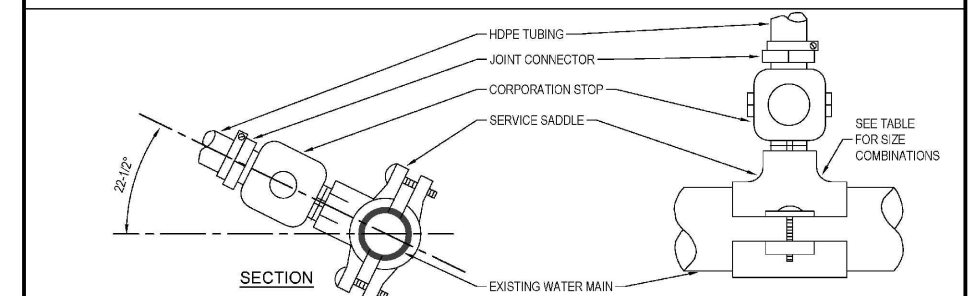
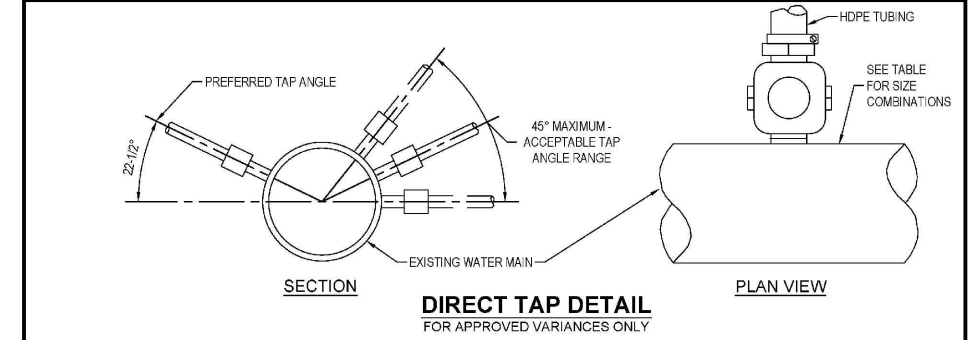
- NOTES:
- FIRE HYDRANT BARREL ABOVE THE GROUND LINE SHALL BE PAINTED WITH A HIGH-GRADE ENAMEL PAINT, FEDERAL SAFETY YELLOW (OSHA APPROVED), AND THE HYDRANT BONNET SHALL BE PAINTED OSHA GREEN.
  - CONCRETE SLAB MAY BE ELIMINATED IN AREAS WHERE HYDRANT IS SET IN SIDEWALK AND SIDEWALK HAS BEEN INSTALLED PRIOR TO FINAL ACCEPTANCE OF THE HYDRANT.
  - THRUST RESTRAINT FOR HYDRANT:
    - HYDRANT SHALL BE FIRMLY SUPPORTED UNDER ELBOW IN ALL METHODS BY SUPPORT BLOCK
    - ALL BACKFILL SHALL BE THOROUGHLY COMPACTED UNDER SUPPORT BLOCK AND UNDER THRUST COLLAR
    - ALL HYDRANT LEADS SHALL BE RESTRAINED BY MEGALUGS OR EQUIVALENT MECHANICAL RESTRAINTS
  - PROTECTION POSTS ARE REQUIRED WHEN HYDRANT IS LESS THAN 6 FEET FROM EDGE OF PAVEMENT, OR AS DIRECTED BY THE ENGINEER.
  - FOR PVC MAINS, INSTALL CONCRETE SUPPORT BLOCK UNDER ALL HYDRANT TEES.

	LAST REVISION		
	MAY 2021	FIRE HYDRANT INSTALLATION	4.01



- NOTES:
- VALVE SHALL BE SET IN ACCORDANCE WITH DETAIL 3.01. FOR HYDRANT SET, SEE DETAIL 4.01.
  - ALL VALVES SHALL BE ANCHORED TO BRANCH OF TEE ON ALL HYDRANT INSTALLATIONS.
  - ALL HYDRANT LEADS SHALL BE RESTRAINED BY MEGALUGS OR EQUIVALENT.
  - FOR PVC MAINS, INSTALL CONCRETE SUPPORT BLOCK UNDER HYDRANT TEES.

	LAST REVISION		
	MAY 2021	FIRE HYDRANT METHODS OF INSTALLATION	4.02



PIPE	SIZE	CORP. TAP SIZE	
		1"	2"
D/CI	12"	DT	DT
	8"	DT	SS
	6"	DT	SS
	4"	SS	SS
PVC	2", 2-1/2"	SS	NA
	8", C-900	SS	SS
	6", C-900	SS	SS
OTHER*	2"-SDR21	SS	NA
	12"	SS	SS
	10"	SS	SS
	8"	SS	SS
	6"	SS	SS

LEGEND  
 DT- DIRECT TAP CAN BE ALLOWED (FOR APPROVED VARIANCES ONLY)  
 SS- SERVICE SADDLE IS REQUIRED  
 NA- NOT ALLOWED  
 \*ASBESTOS CEMENT, STEEL, GALVANIZED IRON PIPE, NON STD PVC, ETC.

	LAST REVISION		
	MAY 2021	TAPPING DETAIL FOR 3/4", 1", 1-1/2" & 2" W/DI, CI, OR PVC PIPE	5.01A

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YORKSHIRE PROJECT

DETAIL SHEET 5

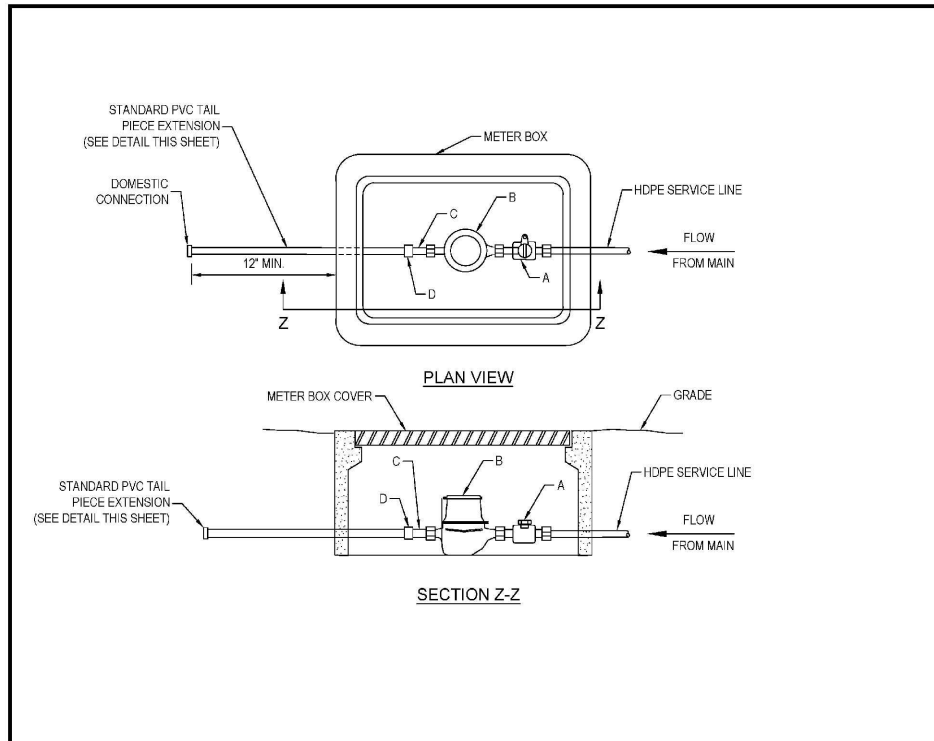
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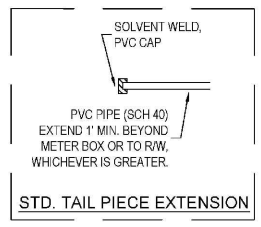
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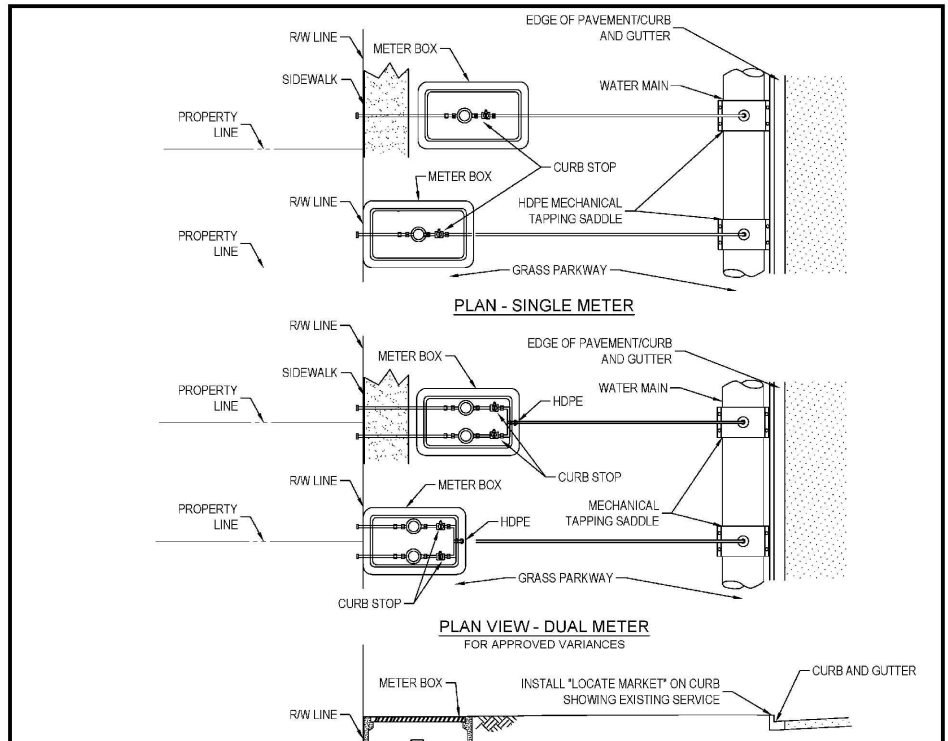


METER INSTALLATION PARTS LIST	
ITEM	DESCRIPTION
A	HDPE CJ X METER, SWIVEL NUT (CURB STOP)
B	METER
C	BRASS METER COUPLING
D	*PVC FIP X WELD COUPLING



\* ALL PVC PIPE AND FITTINGS SHALL BE SCH 80 EXCEPT FOR STANDARD TAIL PIECE SECTION WHICH WILL BE SCH 40.  
 NOTE: PARTS LIST IS FOR STANDARD INSTALLATION; ACTUAL PARTS REQUIRED MAY VARY AS DIRECTED BY THE ENGINEER.

	LAST REVISION		
	MAY 2021	SINGLE METER SET DETAIL 3/4", 1", 1-1/2", 2"	5.02

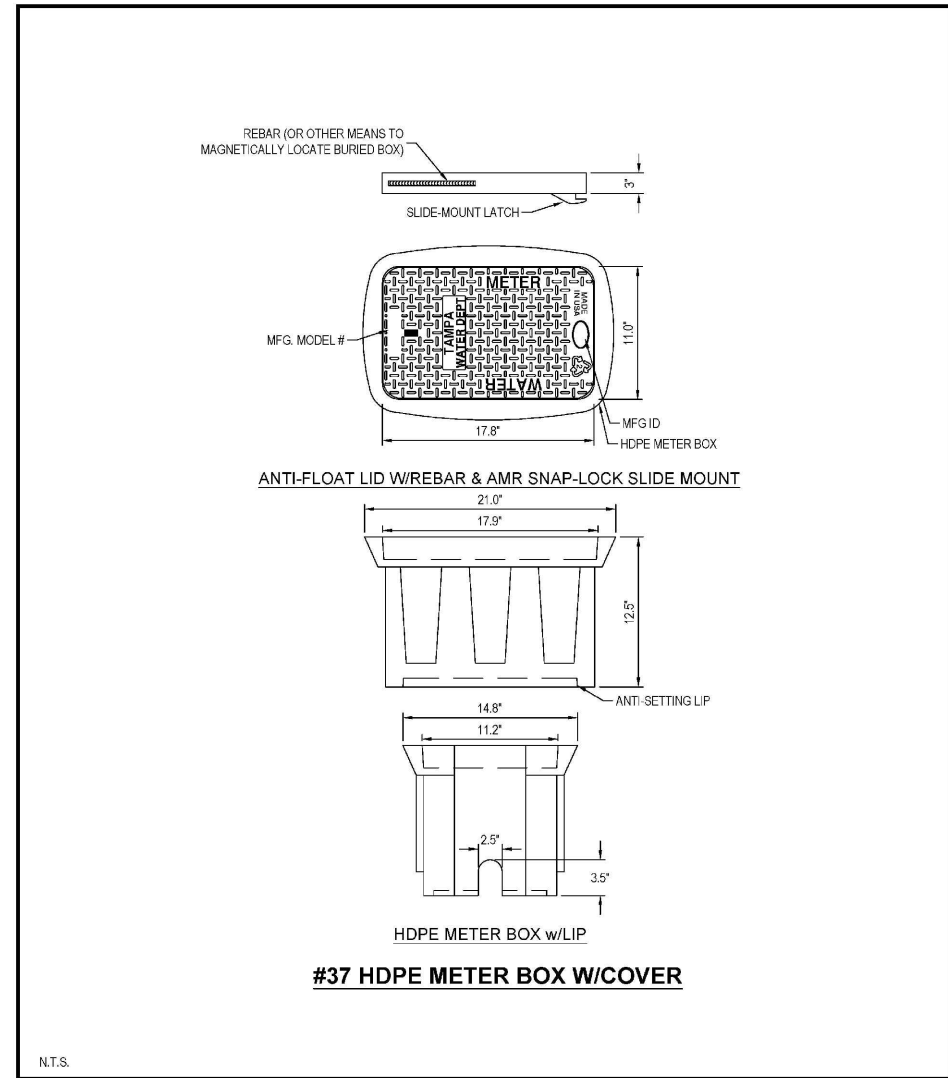


DO NOT INSTALL METER WITHIN SIDEWALK. WHEN SIDEWALK EXISTS, INSTALL METER ON STREET SIDE OF SIDEWALK OR WHERE DIRECTED BY CITY ENGINEER.

* LINE SIZE APPLICABLE FOR DDCVA			
SINGLE METER SIZE (INCHES)	SERVICE LINE SIZE (INCHES) (0-15')	DUAL METER SIZE (INCHES)**	SERVICE LINE SIZE (INCHES) (0-15')
3/4	1	3/4	2
1	1	1	2
1 1/2	2	1 1/2	N/A
2"	2	2"	N/A

\*\* FOR APPROVED VARIANCES ONLY

	LAST REVISION		
	MAY 2021	SINGLE & DUAL METERED SERVICE - SHORT SIDE 3/4", 1", 1-1/2" & 2"	5.04A



	LAST REVISION		
	MAY 2021	3/4" OR 1" SINGLE SERVICE HDPE METER BOX	5.10

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YORKSHIRE PROJECT

DETAIL SHEET 6

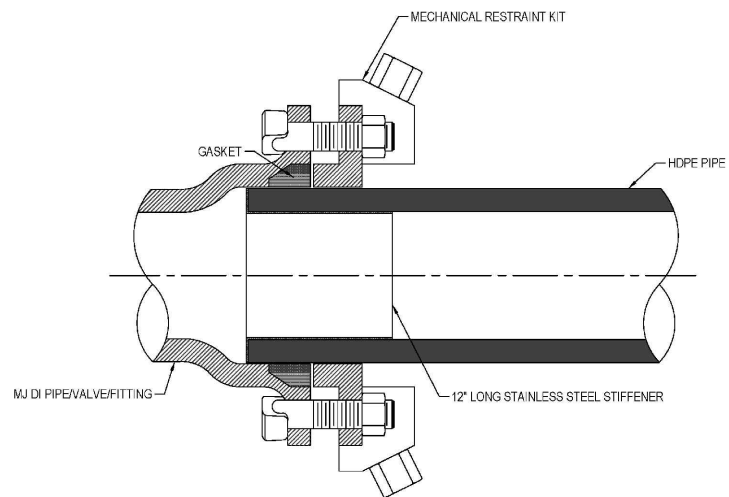


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NOTES:

1. MECHANICAL FITTINGS SHALL BE SPECIFICALLY DESIGNED FOR USE WITH HDPE PIPE.
2. INTERNAL STIFFENER SHALL BE SOLID BODY TYPE. STIFFENER WILL BE RATED FOR DR AND ID AS PER PIPE MANUFACTURER. STIFFENER SHALL BE ASTM 240, TYPE 304 STAINLESS STEEL, 17 GAUGE, UNLESS OTHERWISE DIRECTED BY ENGINEER.

	LAST REVISION		
	MAY 2021	HDPE PIPE TO DI MJ FITTING TRANSITION (4" OR LARGER)	8.03

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