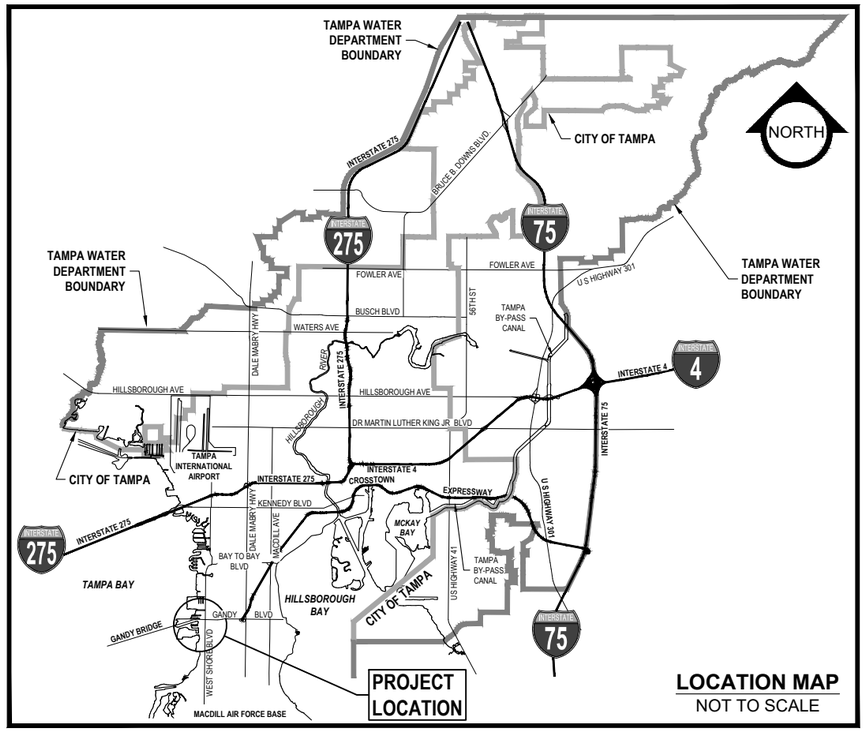
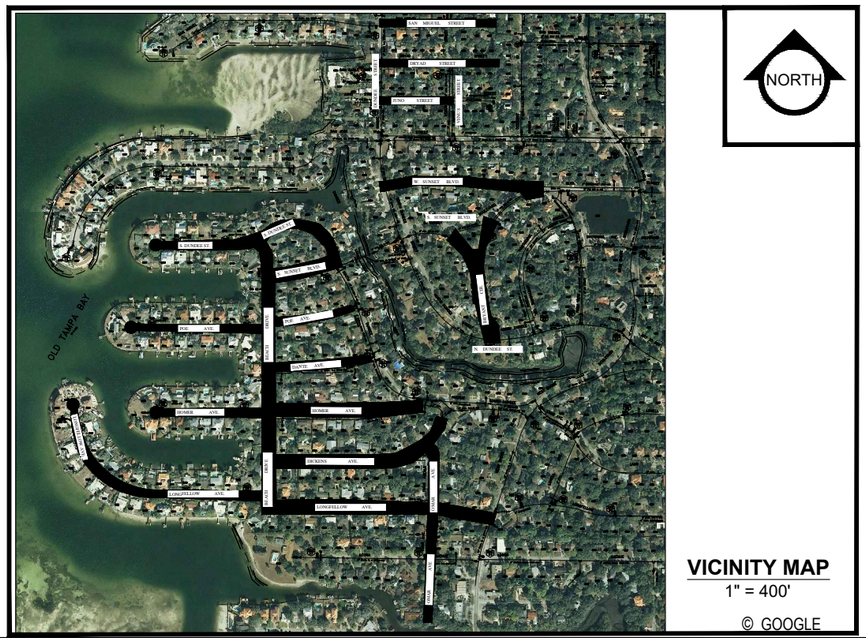


LOCATION MAP
NOT TO SCALE



VICINITY MAP
1" = 400'
© GOOGLE

City of Tampa Florida
Water Department

PLANS FOR:

SUNSET PARK DISTRIBUTION LINE REPLACEMENT (WEST)

TAMPA WATER DEPARTMENT
WORK ORDER NO. :
8407

INDEX

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2	GENERAL NOTES, SPECIFIC NOTES, LEGEND
3	KEY SHEET
4-41	PLAN AND PROFILE SHEETS
42-49	DETAILS

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RORY A. JONES LICENSE No. 79453 STATE OF FLORIDA PROFESSIONAL ENGINEER

Rory Jones 2020.06.02 17:54:17 -04'00'

PERMITS			
■ CITY	☐ COUNTY	☐ STATE	■ DEP
CONTRACTOR: DALLAS 1			

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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DESIGNED	NPP
DRAWN	JDM
CHECKED	RAJ
DATE	10/01/2017

SUNSET PARK DISTRIBUTION LINE REPLACEMENT (WEST)

COVER SHEET

City of Tampa Florida Water Department

100% PLANS

WORK ORDER NO.	8407
RECORD DRAWING NO.	
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K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West) NPP - JDM\1 8407 - FY17 CIP Sunset Park (West)\2 Design\5. Drawings\WO8407\01-Dwg\02-Sheets\WO8407.dwg Apr 09, 2020 - 11:02am

CITY OF TAMPA NOTES

GENERAL

1. ALL WATER WORK FOR THE CITY OF TAMPA (CITY) SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT'S SPECIFICATIONS, CONSTRUCTION DETAILS, AND THE TAMPA WATER DEPARTMENT TECHNICAL MANUAL (LATEST EDITION). IN THE EVENT OF A DISCREPANCY, THE MOST STRINGENT CRITERIA SHALL APPLY.
2. 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.
3. NORMAL WORKING HOURS SHALL BE WEEKDAYS FROM 7:30 AM TO 4:00 PM UNLESS OTHERWISE APPROVED BY THE ENGINEER/ INSPECTOR.
4. ELEVATION INFORMATION SHOWN ON THESE PLANS IS REFERENCED TO N.A.V.D. 1988 UNLESS OTHERWISE STATED.
5. 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.
6. 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.
7. VALVES ON EXISTING PUBLIC WATER MAINS TO BE OPERATED BY CITY PERSONNEL ONLY.
8. ALL PROPOSED WATER LINES SHALL BE MANUFACTURED, INSTALLED, AND TESTED PER THE STANDARDS OF THE AMERICAN WATER WORKS ASSOCIATION (AWWA) AND BY F.A.C.-62-555.
9. 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.
10. 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.
11. 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.
12. REMOVAL AND RELOCATION OF ALL STREET OR TRAFFIC SIGNS SHALL BE APPROVED THROUGH THE TRAFFIC ENGINEERING DIVISION, DEPARTMENT OF PUBLIC WORKS, CITY OF TAMPA, AND HILLSBOROUGH COUNTY TRAFFIC, FLORIDA DEPARTMENT OF TRANSPORTATION, CITY OF TEMPLE TERRACE OR OTHER APPLICABLE PERMITTING AGENCY.

PERMITS

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY RIGHT-OF-WAY PERMITS AND ROADWAY CLOSURES ASSOCIATED WITH THE WORK SHOWN IN THE PLANS.
2. 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

1. 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.
2. WATER MAIN SHALL CROSS ABOVE OTHER PIPES. WHEN WATER MUST BE BELOW, PROVIDE 12" MINIMUM VERTICAL SEPARATION UNLESS OTHERWISE NOTED.
3. CENTER ONE FULL JOINT OF PIPE UNDER/OVER ALL SANITARY, STORM, OR RECLAIMED PIPE CROSSINGS.

MATERIAL

1. ALL VALVES SHALL BE RIGHT HAND OPEN.
2. POLYWRAP ALL DUCTILE IRON PIPE (D.I.P) FITTINGS AND APPURTENANCES.
3. ALL BELOW GROUND BENDS SHALL BE MECHANICAL JOINT (MJ).
4. RESTRAIN ALL JOINTS AND FITTINGS PER CONSTRUCTION PLANS AND DETAILS.
5. 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.
6. 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

1. 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.
2. 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.
3. 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 BEFORE PLACING METERS OR PIPELINES IN SERVICE.

RESTORATION

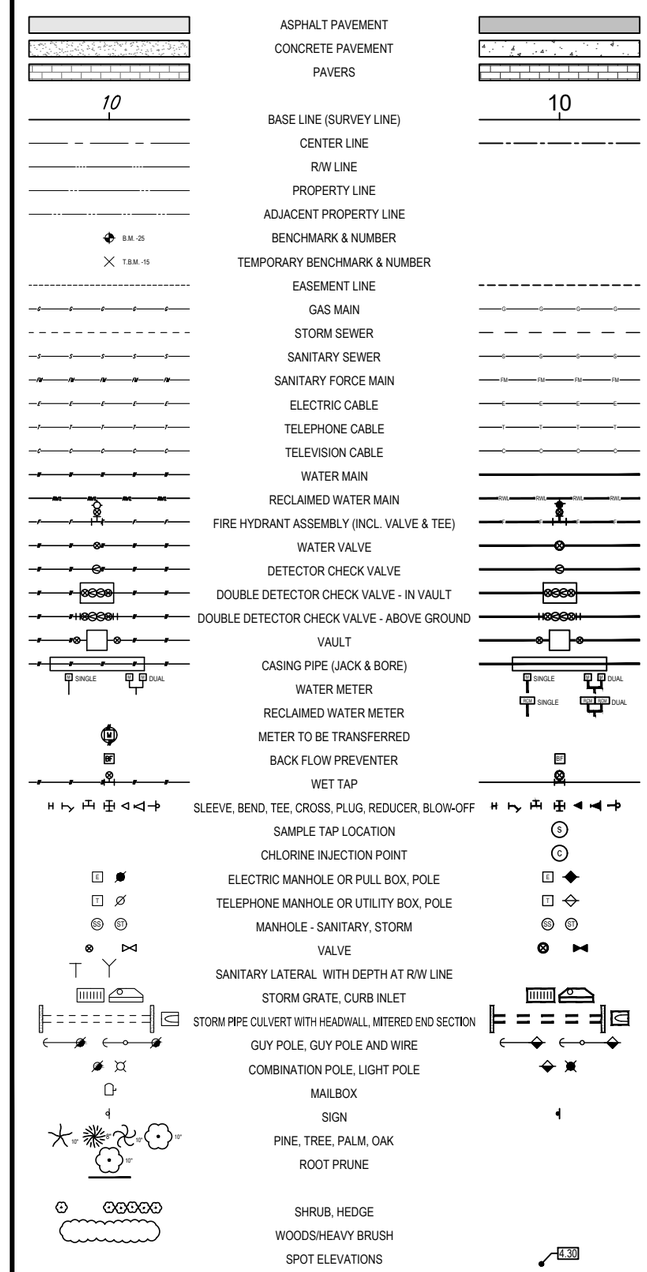
1. ROADWAY RESTORATION SHALL BE IN CONFORMANCE WITH CORRESPONDING JURISDICTION'S LATEST STANDARDS.
2. DISTURBANCE TO ANY PROPERTY, PUBLIC OR PRIVATE, SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION.
3. THE CONTRACTOR SHALL RECONSTRUCT PAVEMENT ADJACENT TO THE GUTTERS AND AT STREET INTERSECTIONS TO OBTAIN SATISFACTORY DRAINAGE TO THE INLETS FROM THE INTERSECTING STREETS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL DETERMINE THE FLOW OF WATER ALONG A STREET, DOCUMENT WHERE STANDING WATER IS PRESENT.

PROJECT SPECIFIC NOTES

NOTE:

1. PVC WATERMAIN SHALL BE CERTALOK C900/RJIB **(INTEGRAL BELL RESTRAINED JOINT).**

COT LEGEND



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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DESIGNED NPP
DRAWN JDM
CHECKED RAJ
DATE 10/01/2017

SUNSET PARK DISTRIBUTION LINE REPLACEMENT (WEST)

GENERAL NOTES & LEGEND

City of Tampa Florida Water Department

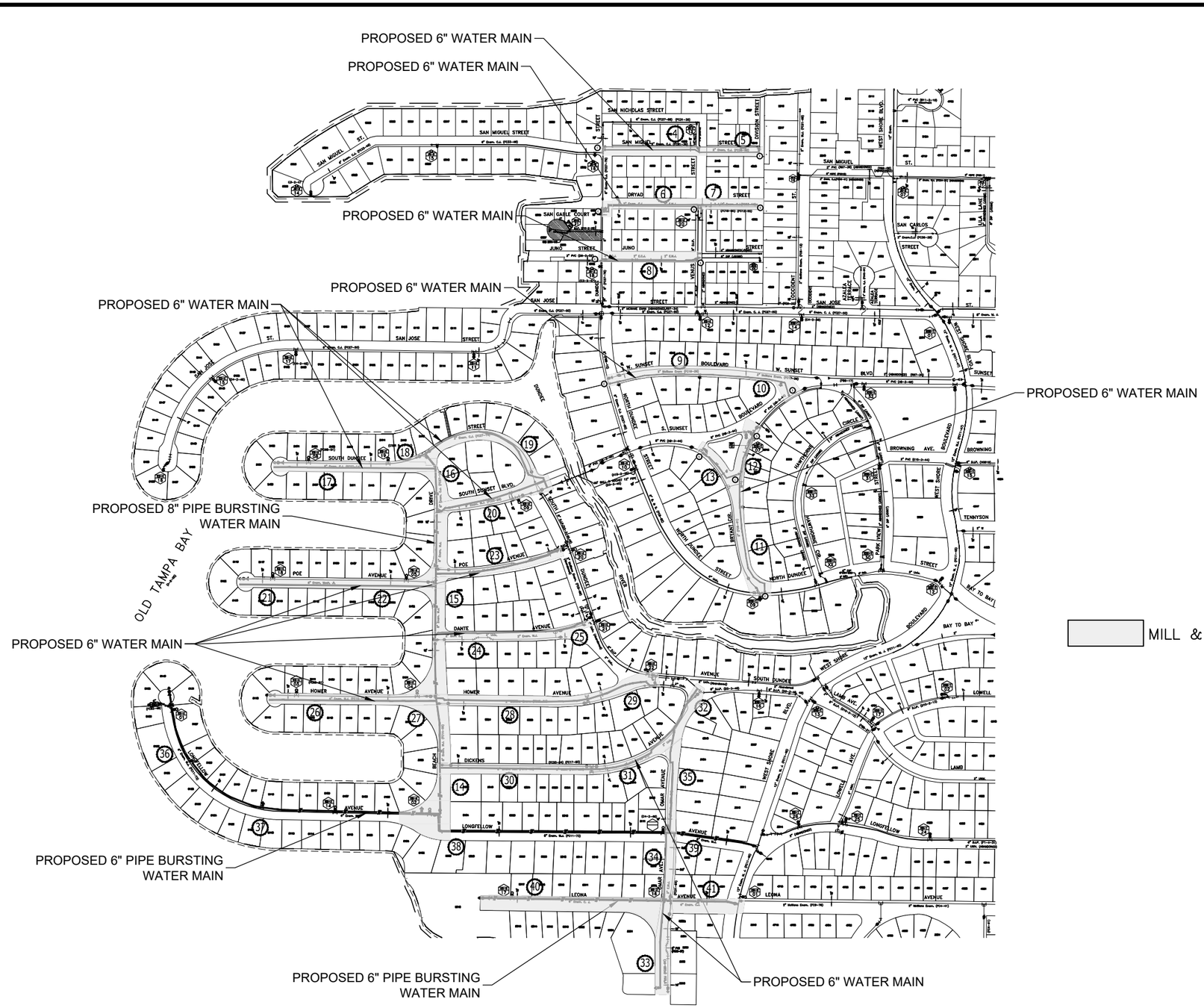
100% PLANS

WORK ORDER NO. 8407

RECORD DRAWING NO.

ATLAS PAGE J8-3 SHEET 2 OF 49

K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West) NPP - JDM\1. 8407 - FY17 CIP Sunset Park (West)\2. Design\5. Drawings\WO8407\01-Dwg\02-Sheets\WO8407.dwg Apr 09, 2020 - 11:02am



N.T.S.

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SUNSET PARK DISTRIBUTION LINE REPLACEMENT (WEST)

KEY SHEET

City of Tampa Florida
Water Department

100% PLANS

WORK ORDER NO. 8407

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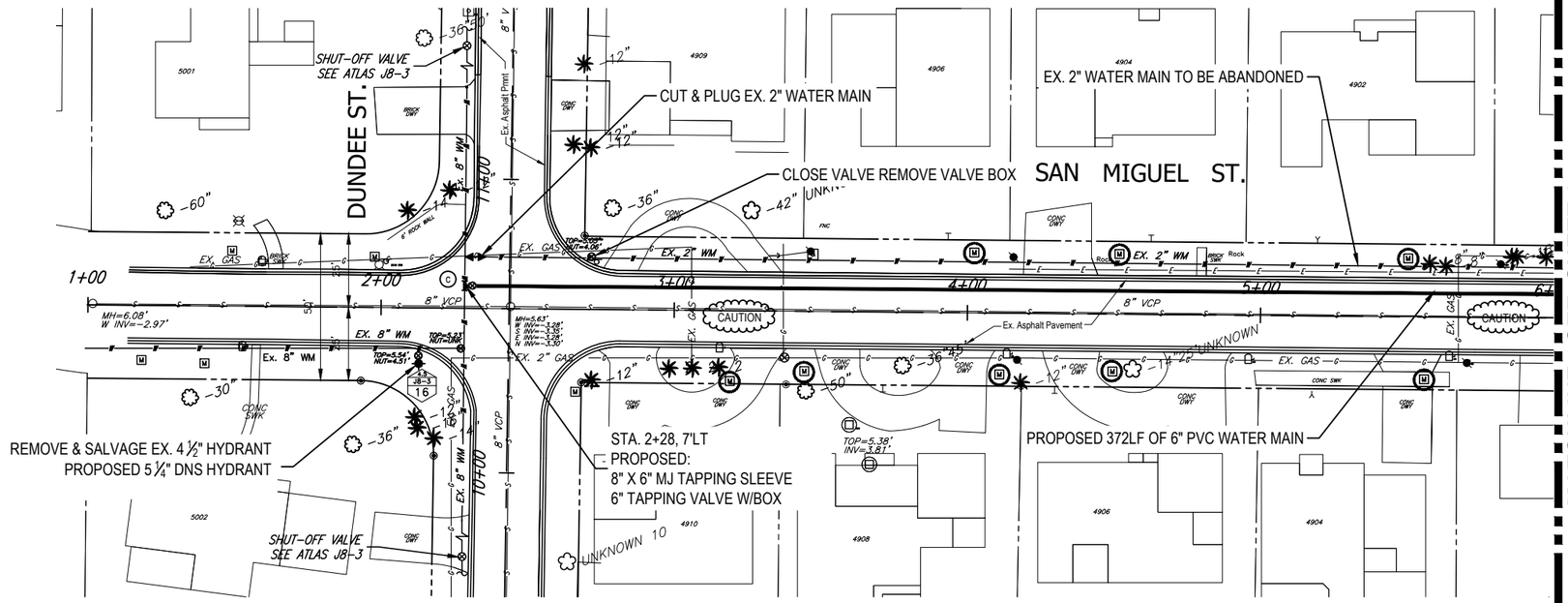

MATCHLINE - SEE SHEET 05

NORTH

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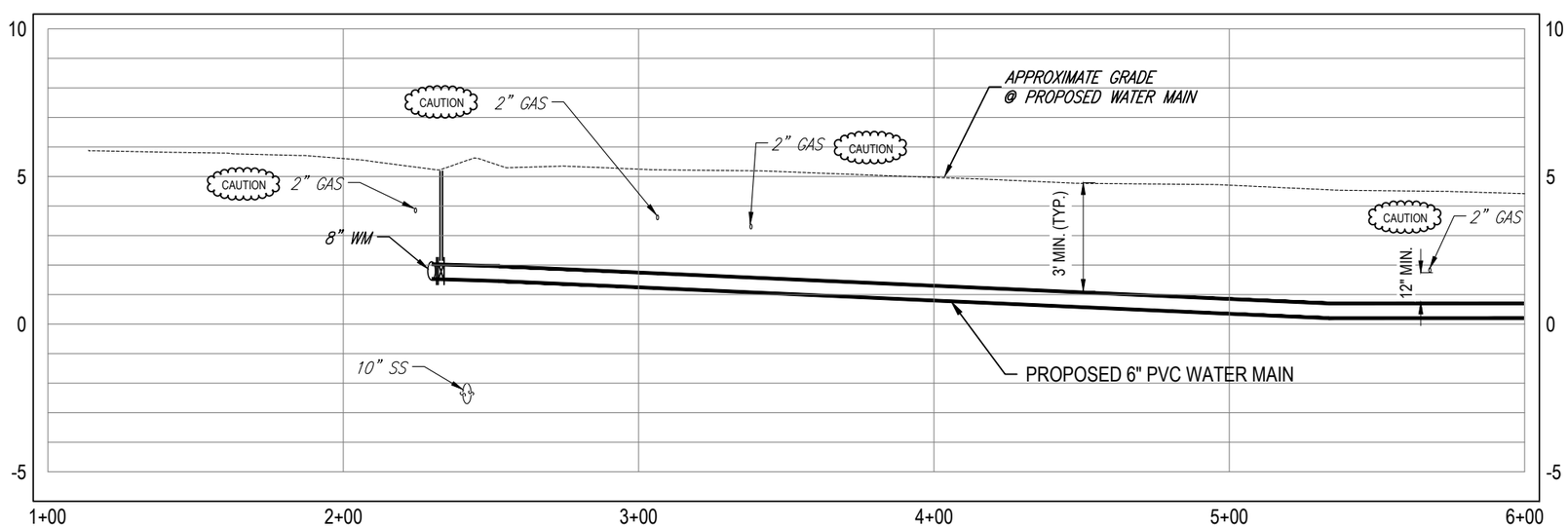
SCALE - VERTICAL



RORY A. JONES, P.E.
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306 E. JACKSON ST., 5E
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SUNSET PARK DISTRIBUTION
LINE REPLACEMENT (WEST)

PLAN AND PROFILE

City of Tampa Florida
Water Department

100% PLANS

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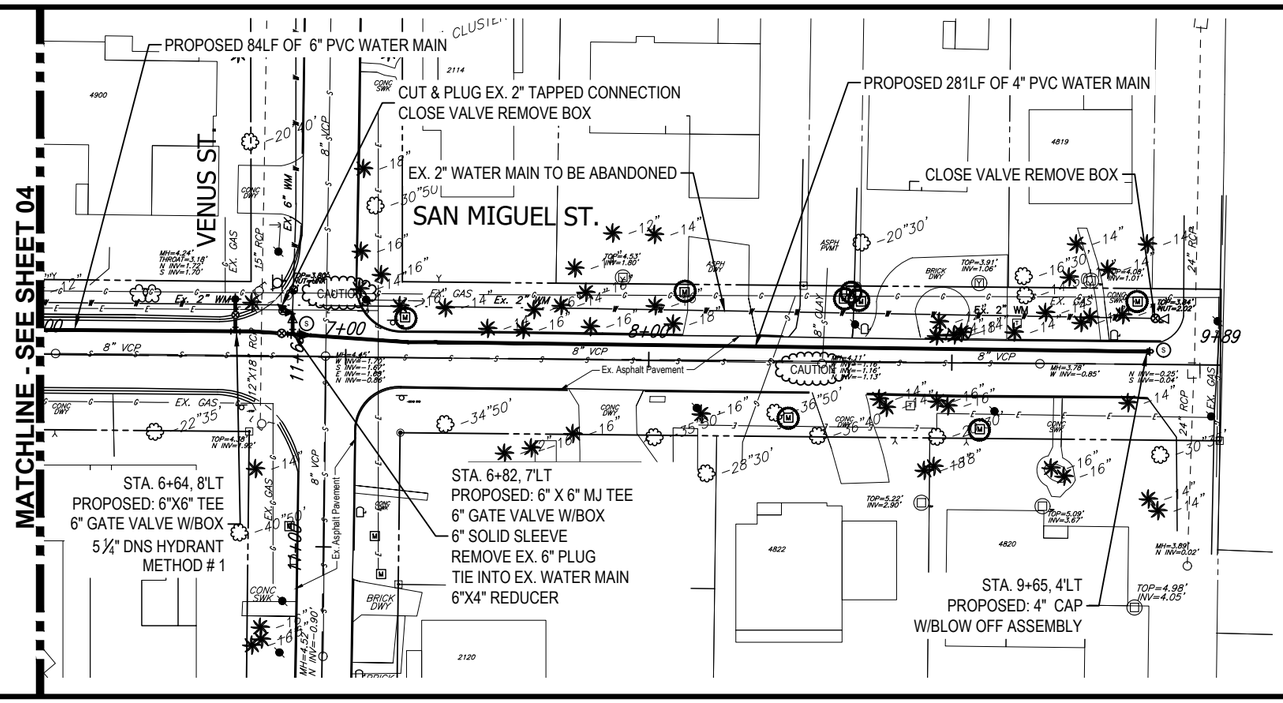

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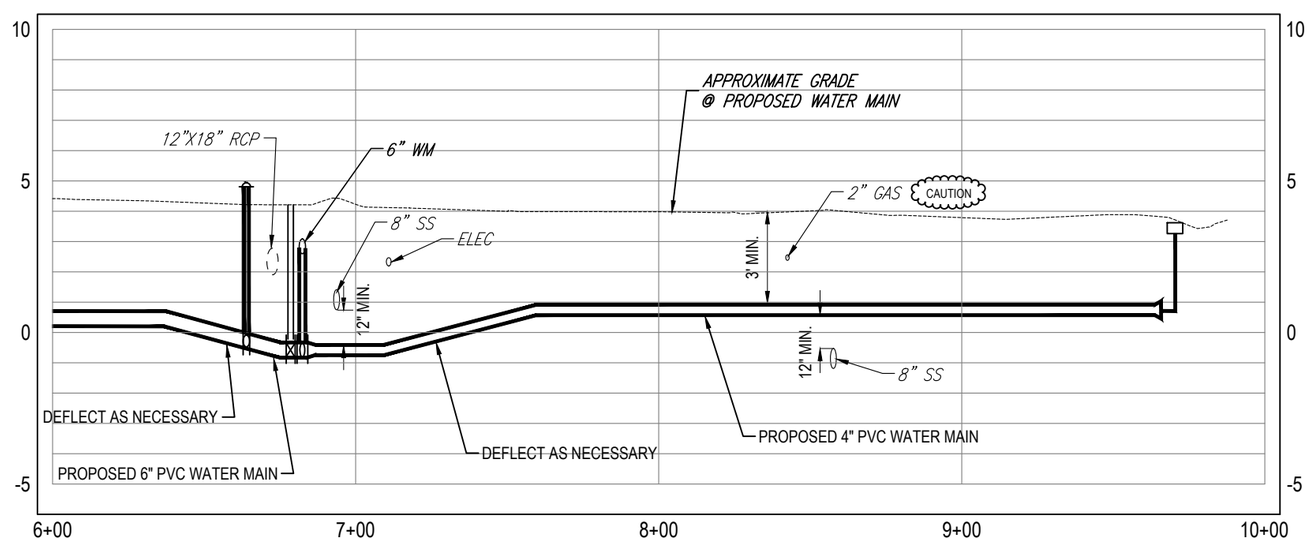

RORY A. JONES, P.E.
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306 E. JACKSON ST., 5E
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SUNSET PARK DISTRIBUTION
LINE REPLACEMENT (WEST)

PLAN AND PROFILE

City of Tampa Florida
Water Department

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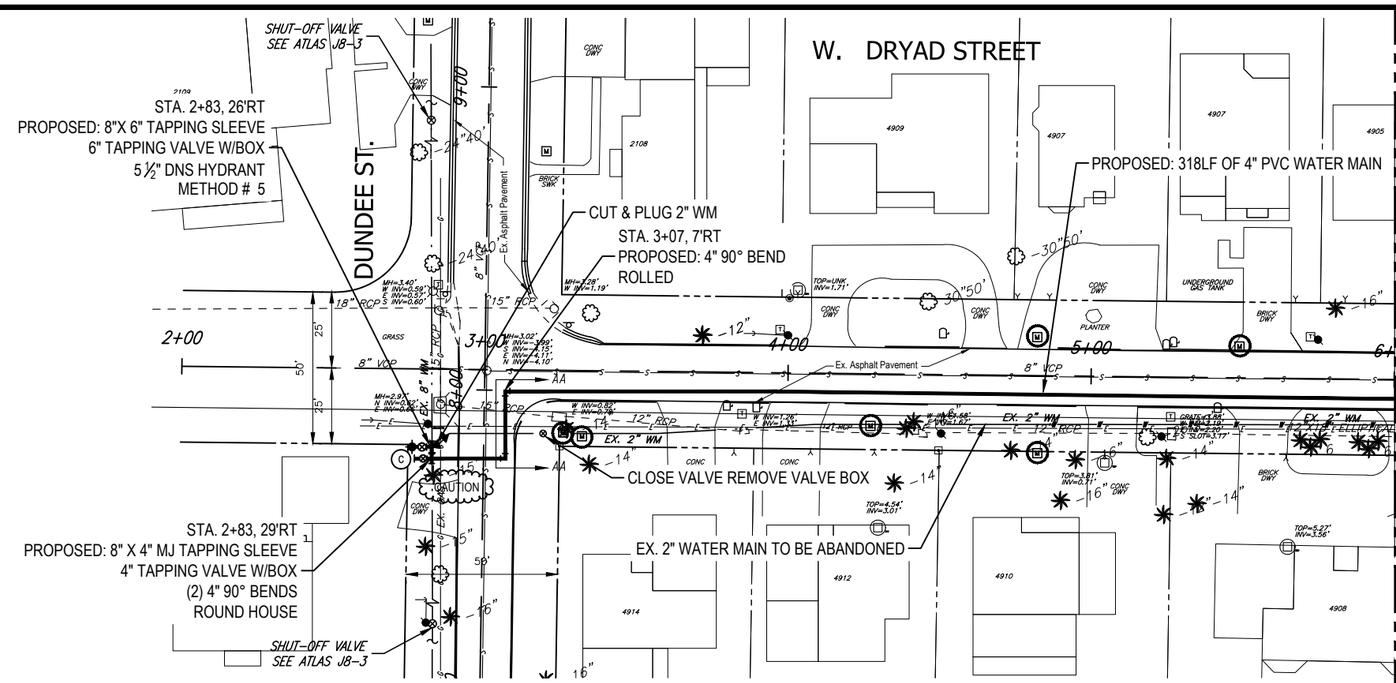

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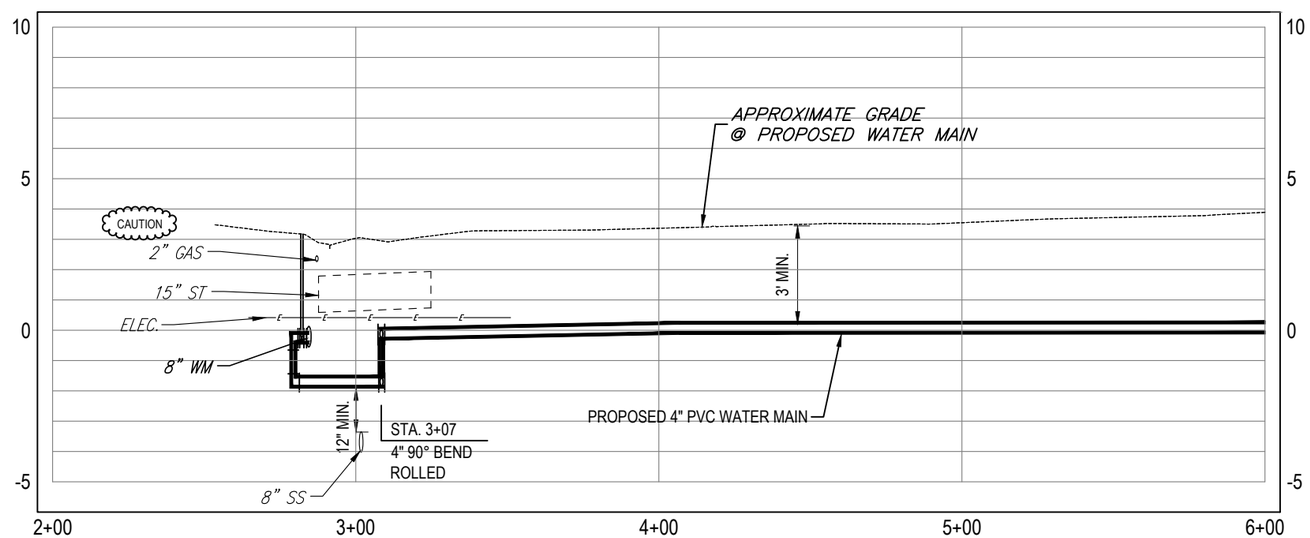

CROSS SECTION AA
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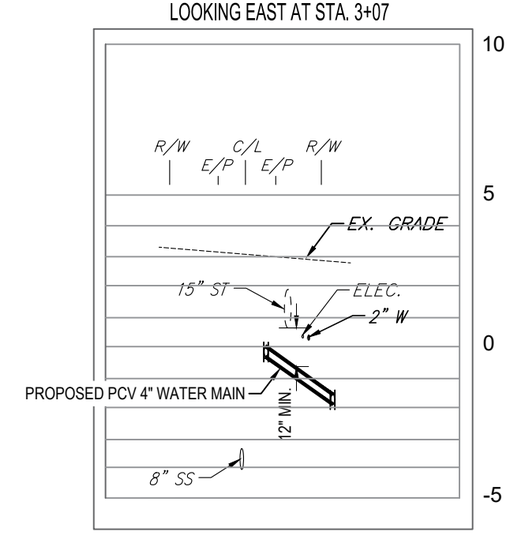

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306 E. JACKSON ST., 5E
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SUNSET PARK DISTRIBUTION
LINE REPLACEMENT (WEST)

PLAN AND PROFILE

City of Tampa Florida
Water Department

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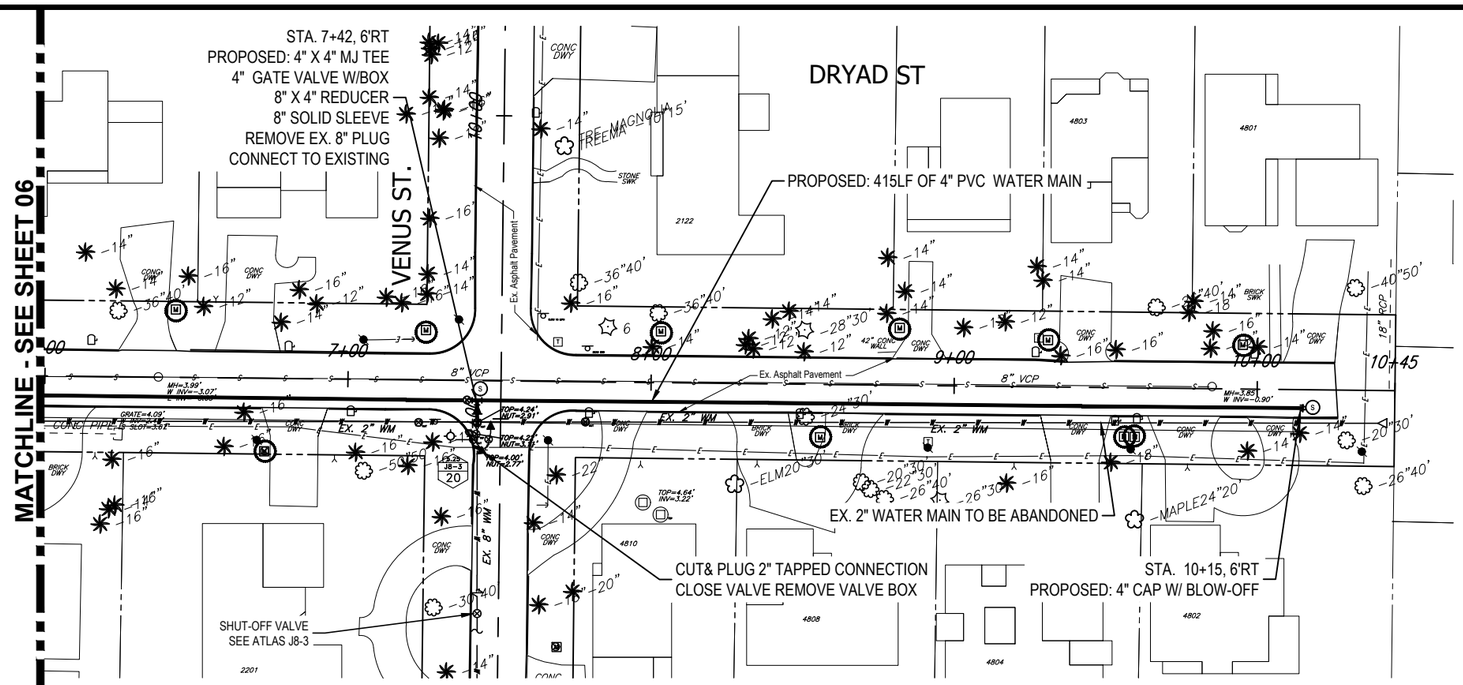

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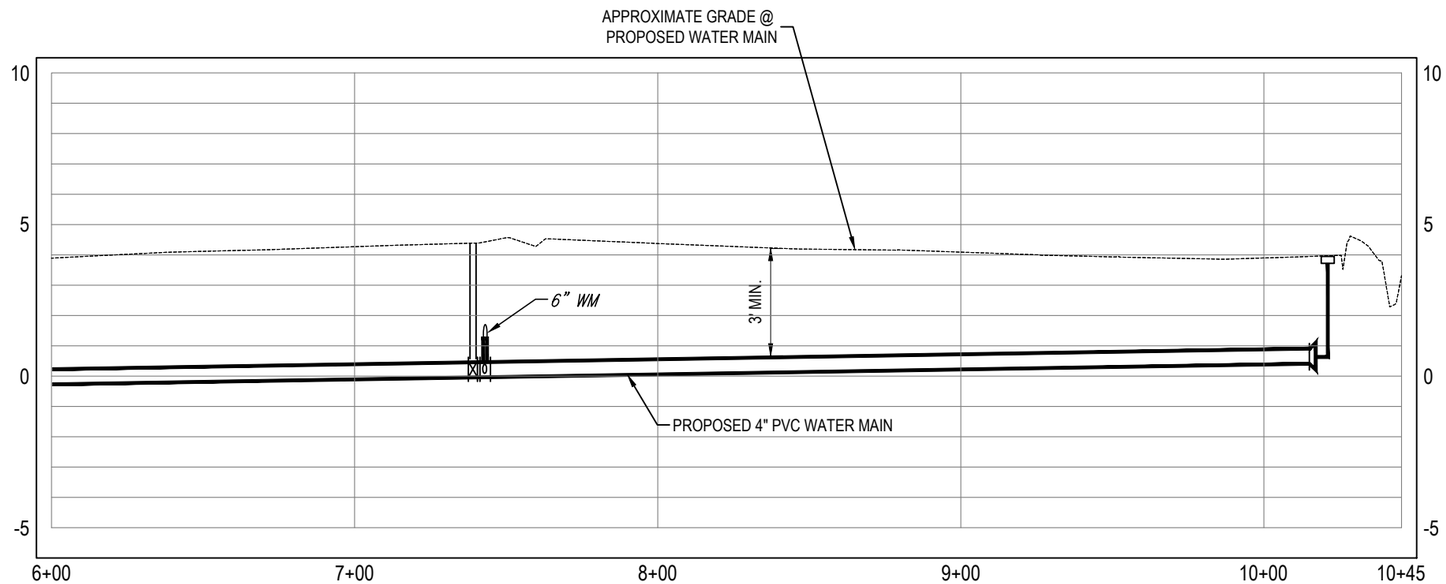

RORY A. JONES, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., 5E
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SUNSET PARK DISTRIBUTION
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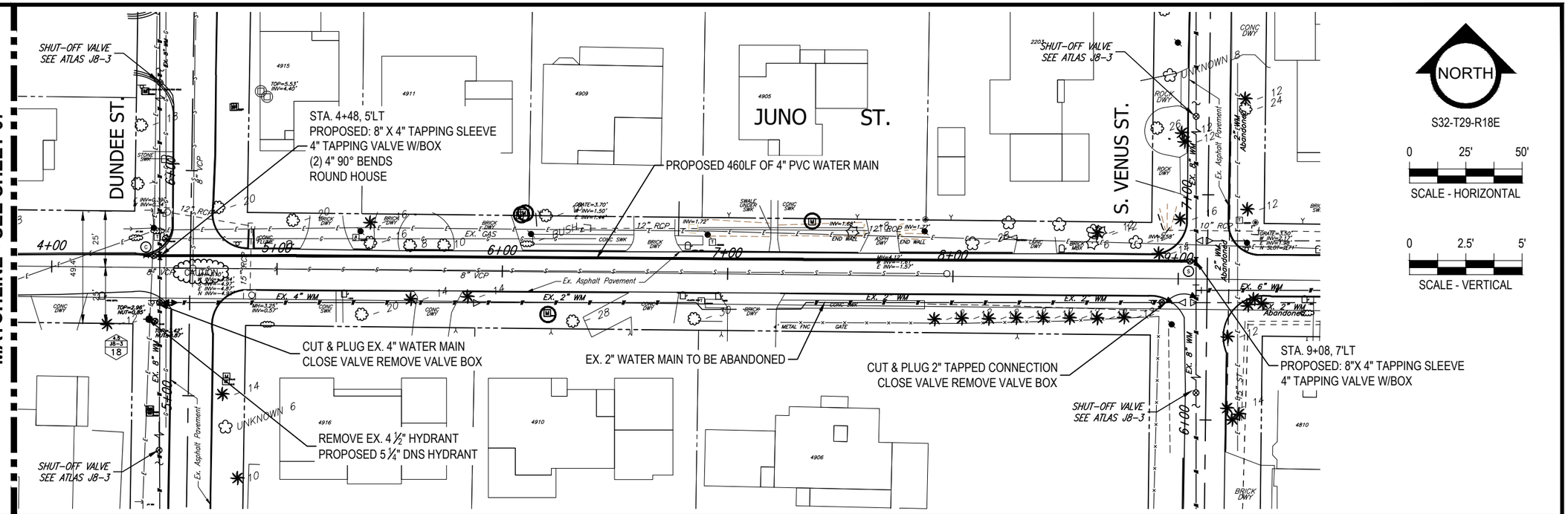

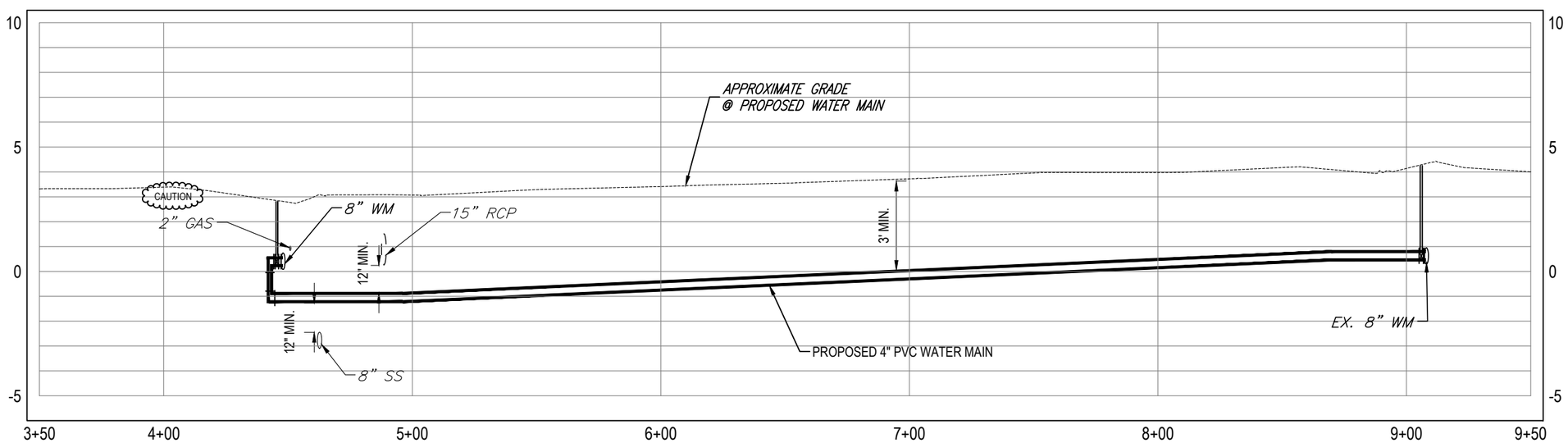

RORY A. JONES, P.E. CITY OF TAMPA WATER DEPT. 306 E. JACKSON ST., 5E TAMPA, FLA. 33602 P.E. #79453	REV NO.	DATE	DESCRIPTION	BY
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SUNSET PARK DISTRIBUTION
LINE REPLACEMENT (WEST)

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ATLAS PAGE J8-3 SHEET 08 OF 49

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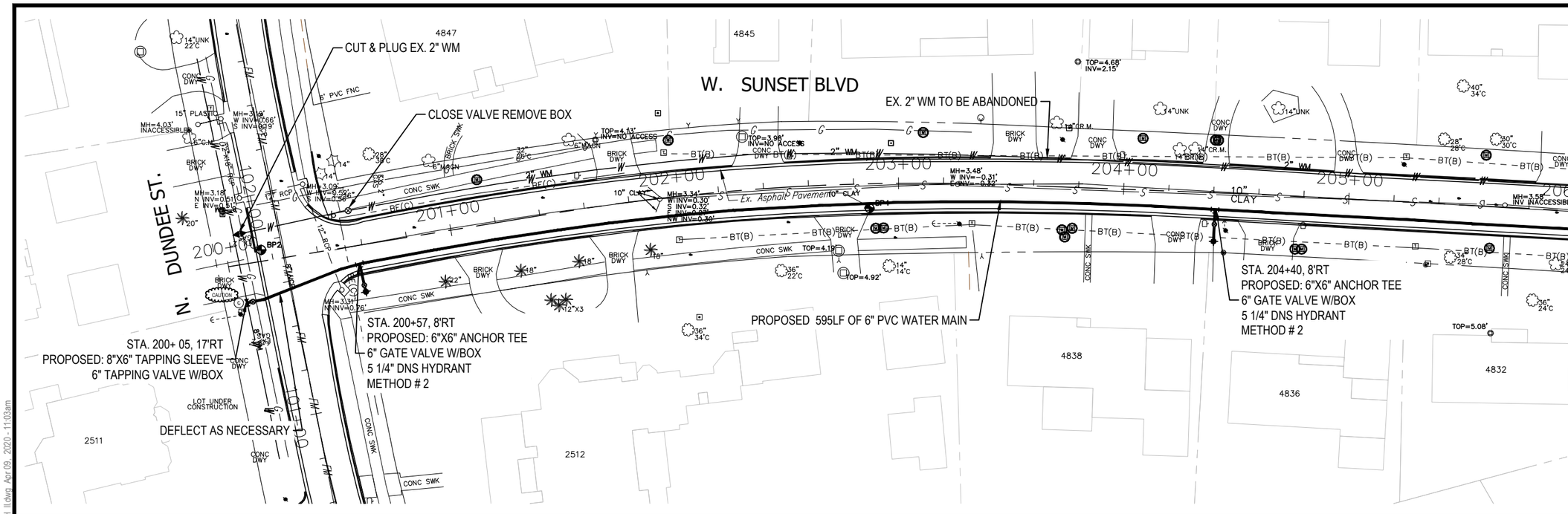

MATCHLINE - SEE SHEET 10

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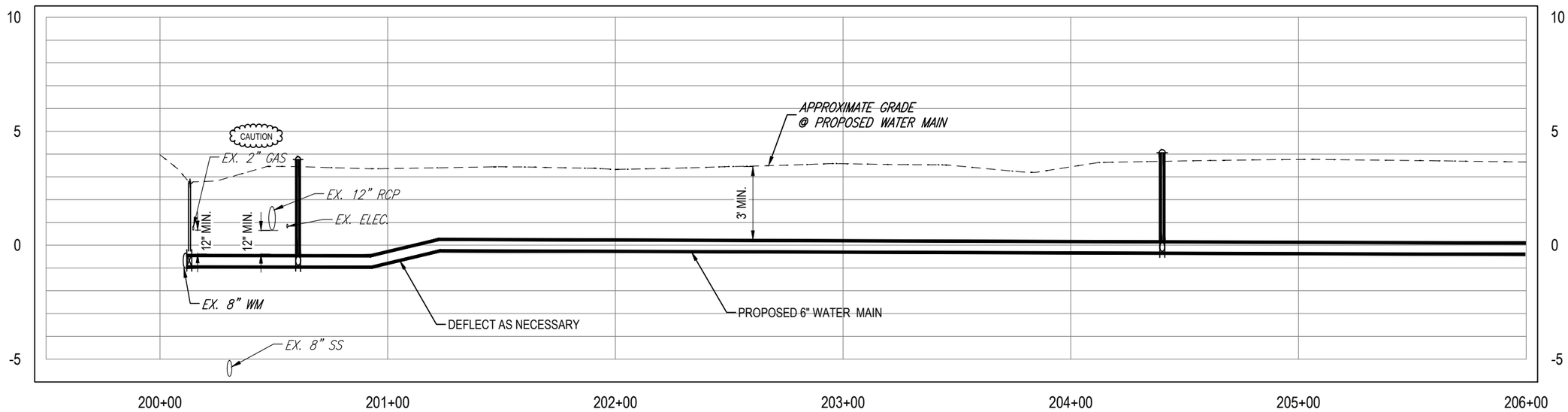

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SUNSET PARK DISTRIBUTION
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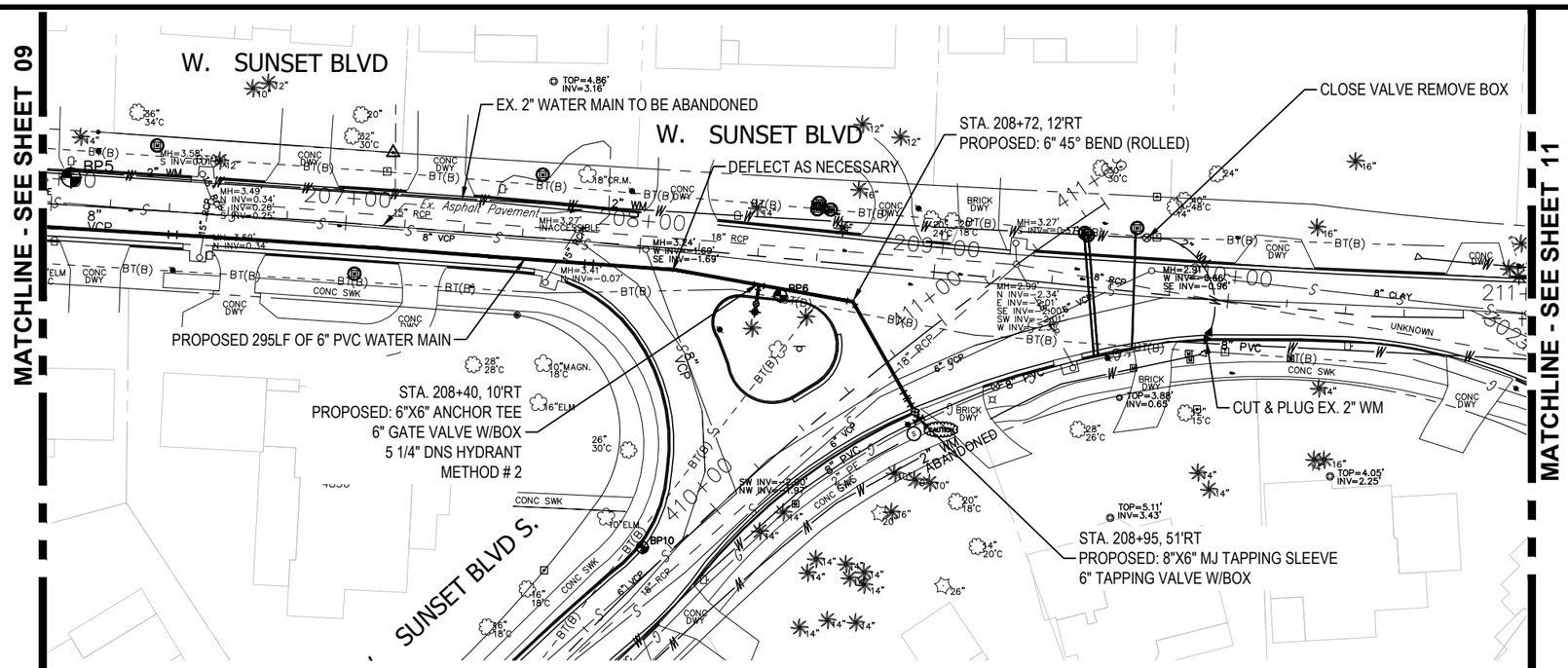
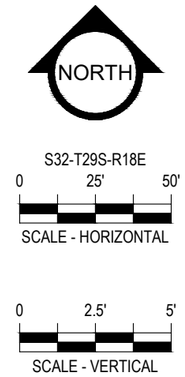
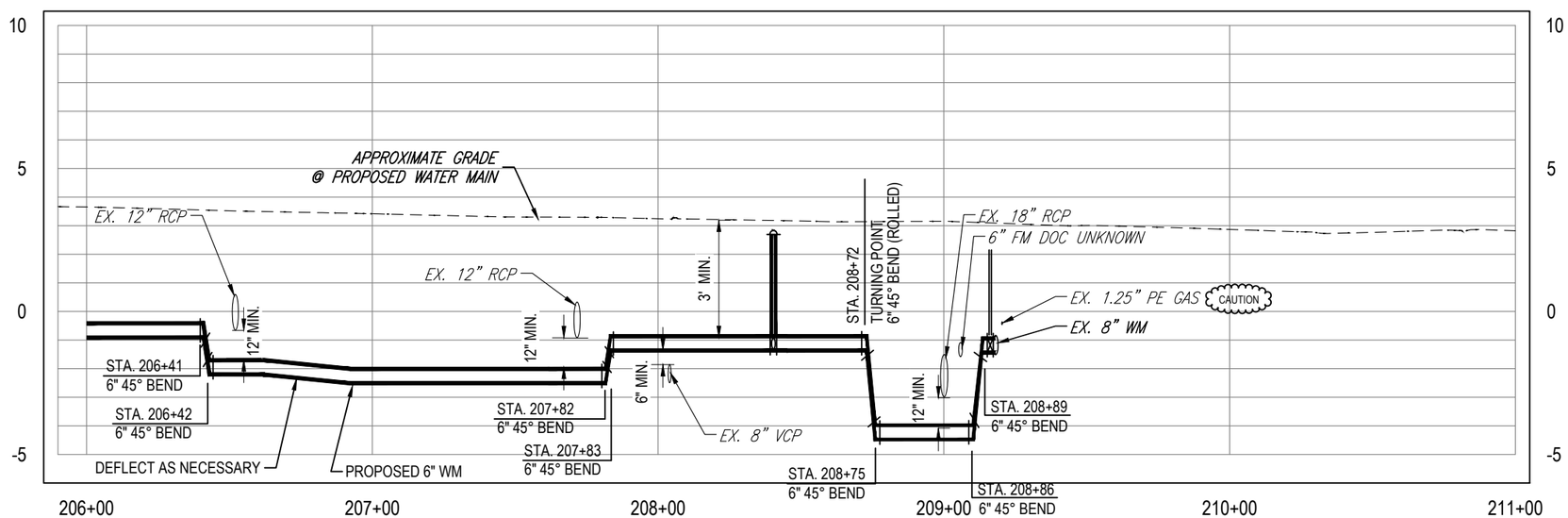
ATLAS PAGE K8-1 SHEET 09 OF 49

K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West)_NPP_JDM\1. 8407 - FY17 CIP Sunset Park (West)\2. Design\5. Drawings\W08407\01-Dwg\02-Sheets\W08407 PH II.dwg, Apr 09, 2020 - 11:03am







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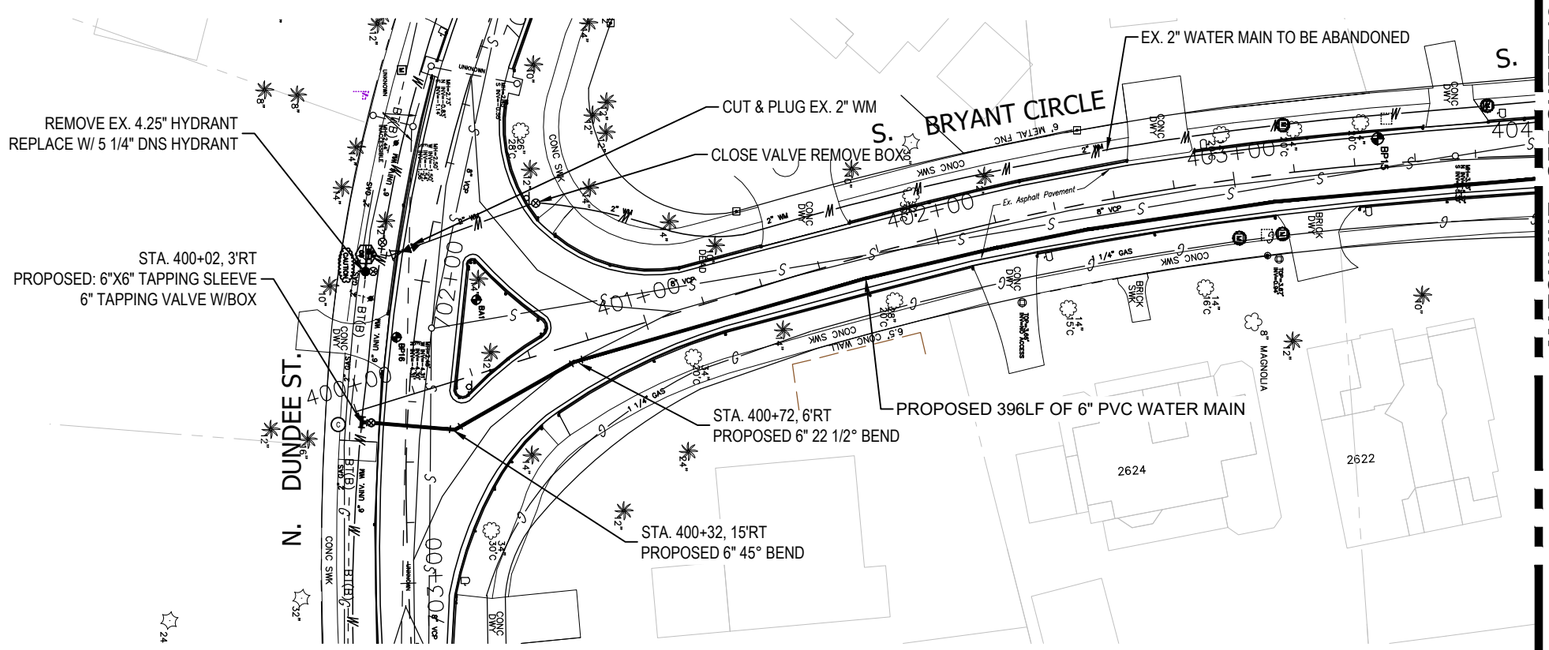
RECORD DRAWING NO.	
ATLAS PAGE K8-1	SHEET 10 OF 49

K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West)_NPP_JDM\1. 8407 - FY17 CIP Sunset Park (West)\2. Design\5. Drawings\WO8407\01-Dwg\02-Sheets\WO8407 PH II.dwg Apr 09, 2020 - 11:03am



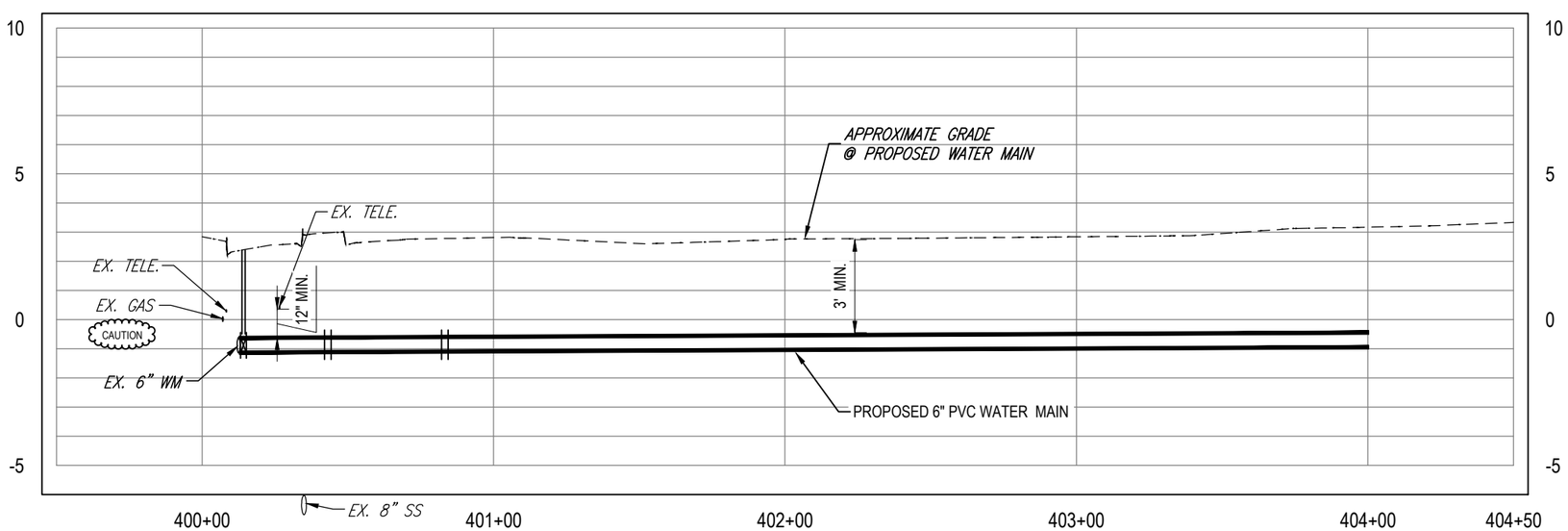
MATCHLINE - SEE SHEET 12

NORTH

S32-T29S-R18E

0 25' 50'
SCALE - HORIZONTAL

0 2.5' 5'
SCALE - VERTICAL



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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DESIGNED NPP
DRAWN JDM
CHECKED RAJ
DATE 04/23/18

SUNSET PARK DISTRIBUTION
LINE REPLACEMENT (WEST)

PLAN AND PROFILE

City of Tampa Florida
Water Department

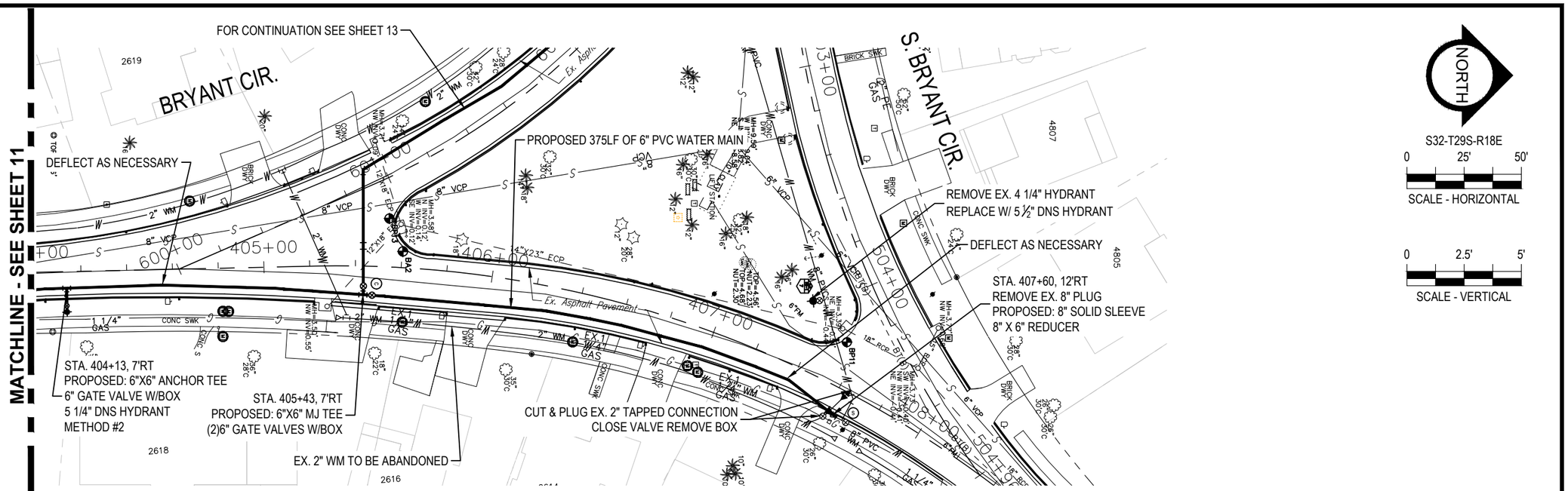
100% PLANS

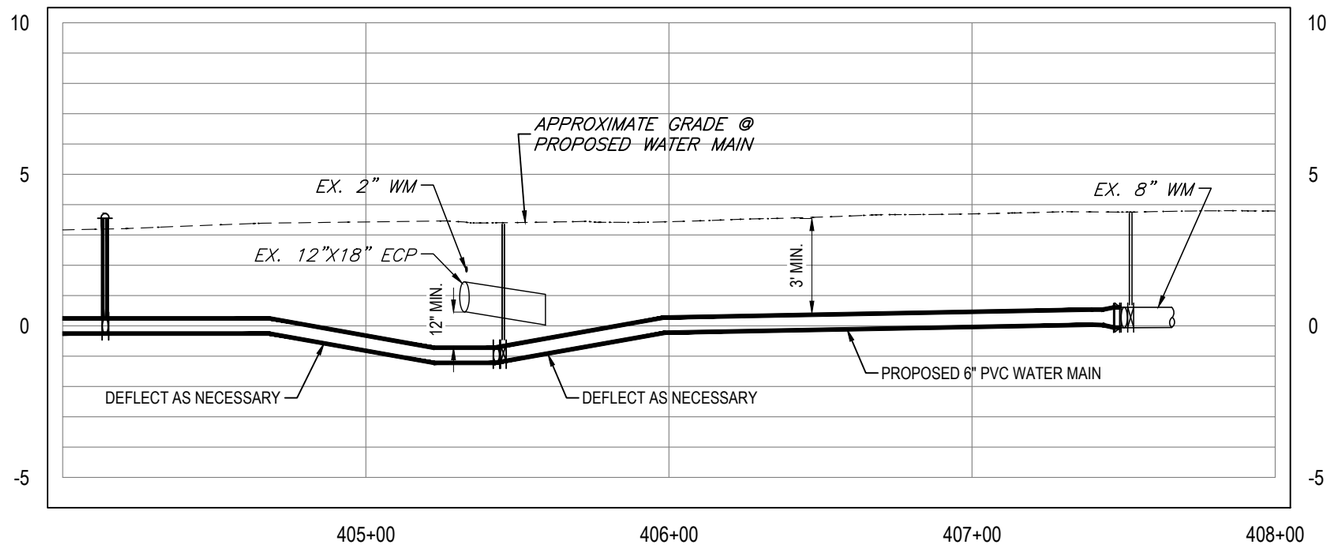
WORK ORDER NO. 8407

RECORD DRAWING NO.

ATLAS PAGE K8-1 SHEET 11 OF 49

K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West)_NPP_JDM\1. 8407 - FY17 CIP Sunset Park (West)\2. Design\5. Drawings\W08407\01-Dwg\02-Sheets\W08407 PH II.dwg Jun 01, 2020 - 6:44am





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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DESIGNED	NPP
DRAWN	JDM
CHECKED	RAJ
DATE	04/23/18

SUNSET PARK DISTRIBUTION
LINE REPLACEMENT (WEST)

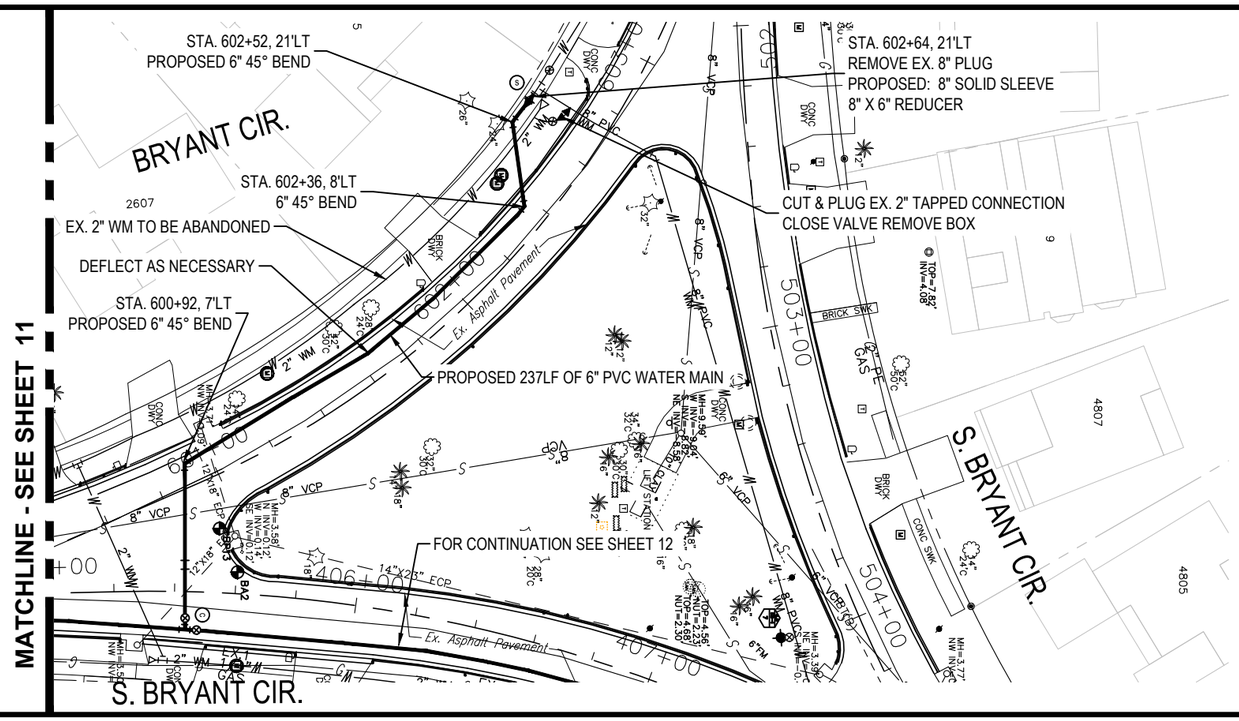
PLAN AND PROFILE

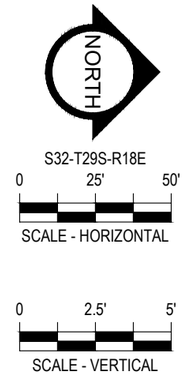
City of Tampa Florida
Water Department

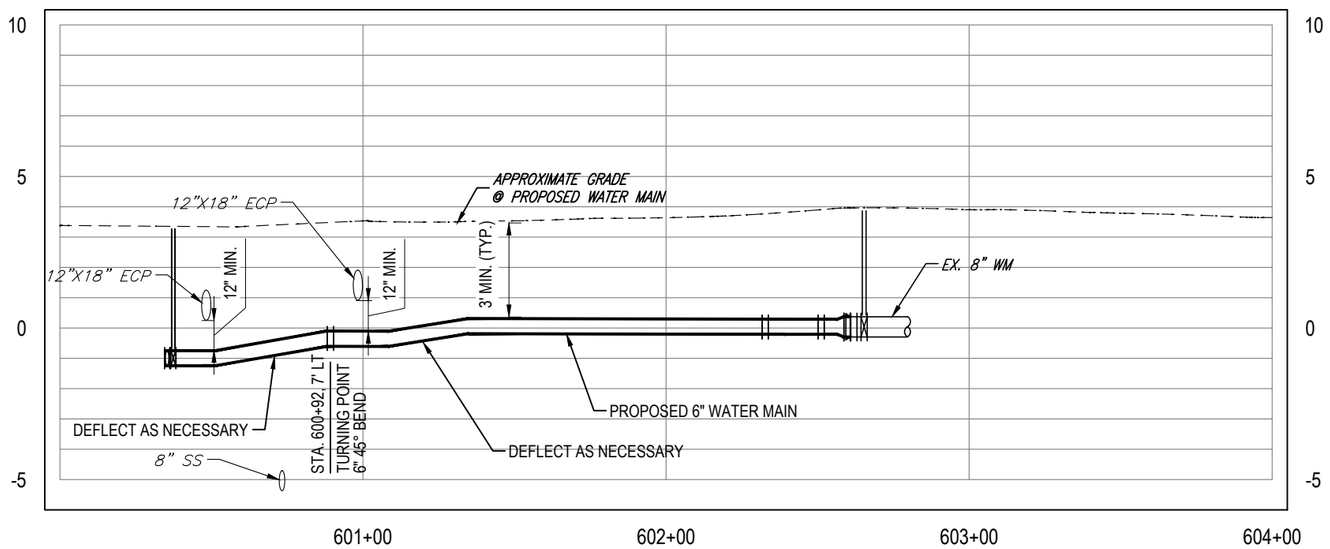
100% PLANS

WORK ORDER NO.	8407
RECORD DRAWING NO.	
ATLAS PAGE K8-1	SHEET 12 OF 49

K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West)_NPP_JDM\1. 8407 - FY17 CIP Sunset Park (West)\2. Design\5. Drawings\W08407\01-Dwg\02-Sheets\W08407 PH II.dwg Apr 09, 2020 - 11:04am







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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DESIGNED NPP
DRAWN JDM
CHECKED RAJ
DATE 04/23/18

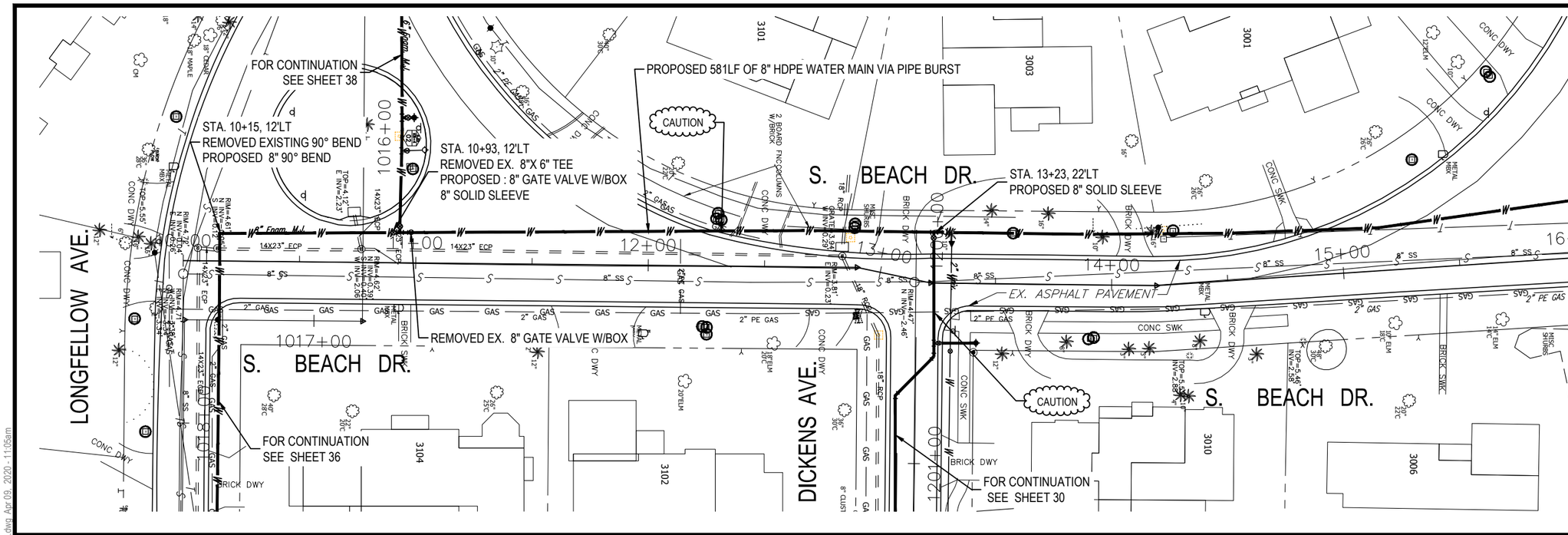
SUNSET PARK DISTRIBUTION
LINE REPLACEMENT (WEST)

PLAN AND PROFILE

City of Tampa Florida
Water Department

100% PLANS
WORK ORDER NO. 8407
RECORD DRAWING NO.
ATLAS PAGE K8-1 SHEET 13 OF 49

K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West)_NPP_JDM\1_8407 - FY17 CIP Sunset Park (West)\2_Design\5_Drawings\W08407\01-Dwg\02-Sheets\W08407 PH II.dwg Apr 09, 2020 - 11:04am



MATCHLINE - SEE SHEET 15

NORTH

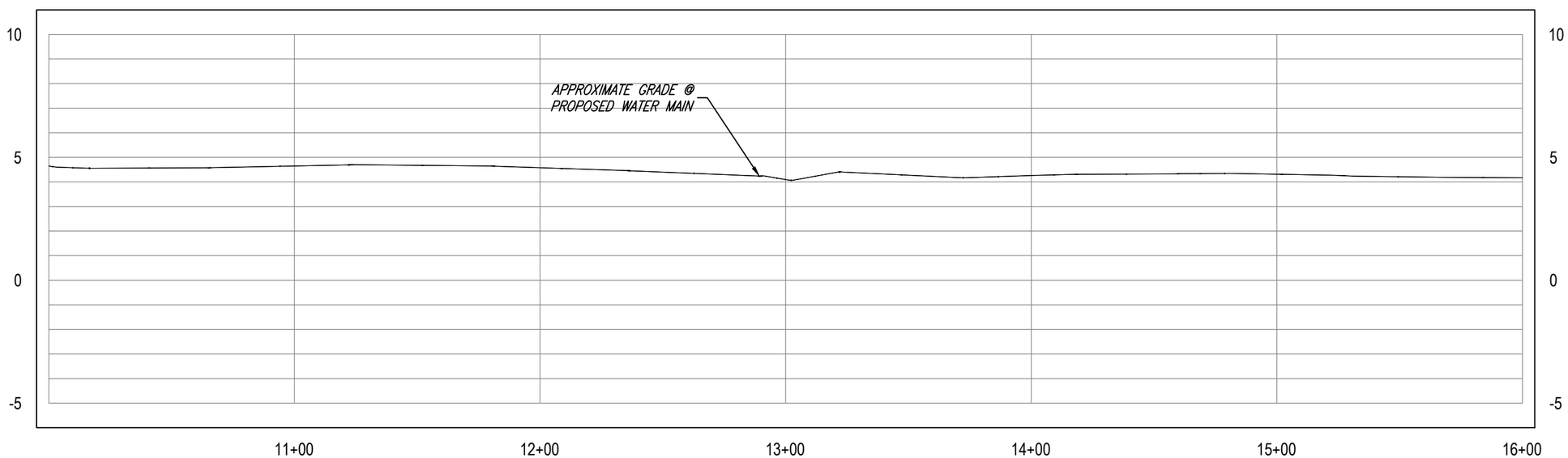
S32-T29S-R18E

0 25' 50'

SCALE - HORIZONTAL

0 2.5' 5'

SCALE - VERTICAL



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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DESIGNED NPP
DRAWN JDM
CHECKED RAJ
DATE 10/01/2017

SUNSET PARK DISTRIBUTION
LINE REPLACEMENT (WEST)

PLAN & PROFILE

City of Tampa Florida
Water Department

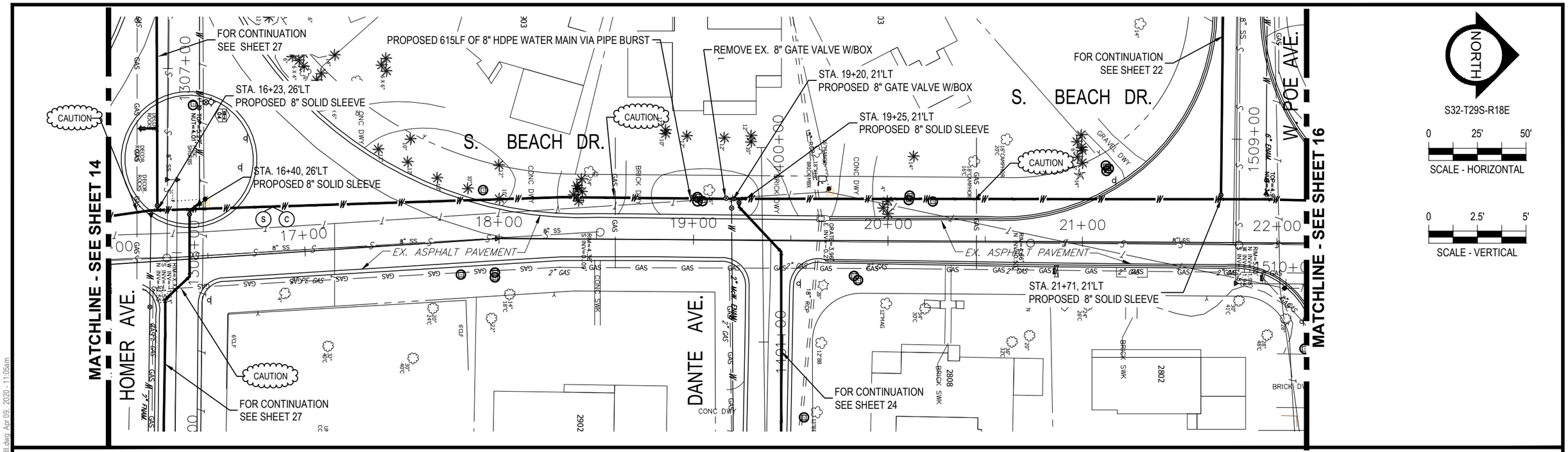
100% PLANS

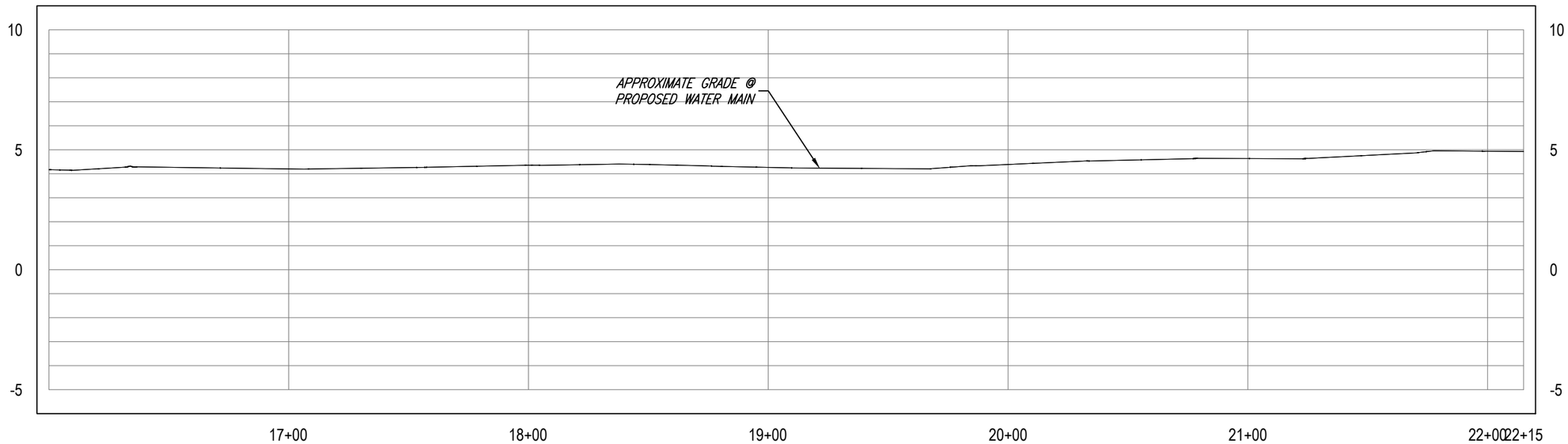
WORK ORDER NO. 8407

RECORD DRAWING NO.

ATLAS PAGE K8-4 SHEET 14 OF 49

K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West)_NPP_JDM\1. 8407 - FY17 CIP Sunset Park (West)\2. Design\5. Drawings\W0840701-Dwg\02-Sheets\8407 PH III.dwg, Apr 09, 2020 - 11:05am





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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DESIGNED NPP
DRAWN JDM
CHECKED RAJ
DATE 10/01/2017

SUNSET PARK DISTRIBUTION LINE REPLACEMENT (WEST)

PLAN & PROFILE

City of Tampa Florida Water Department

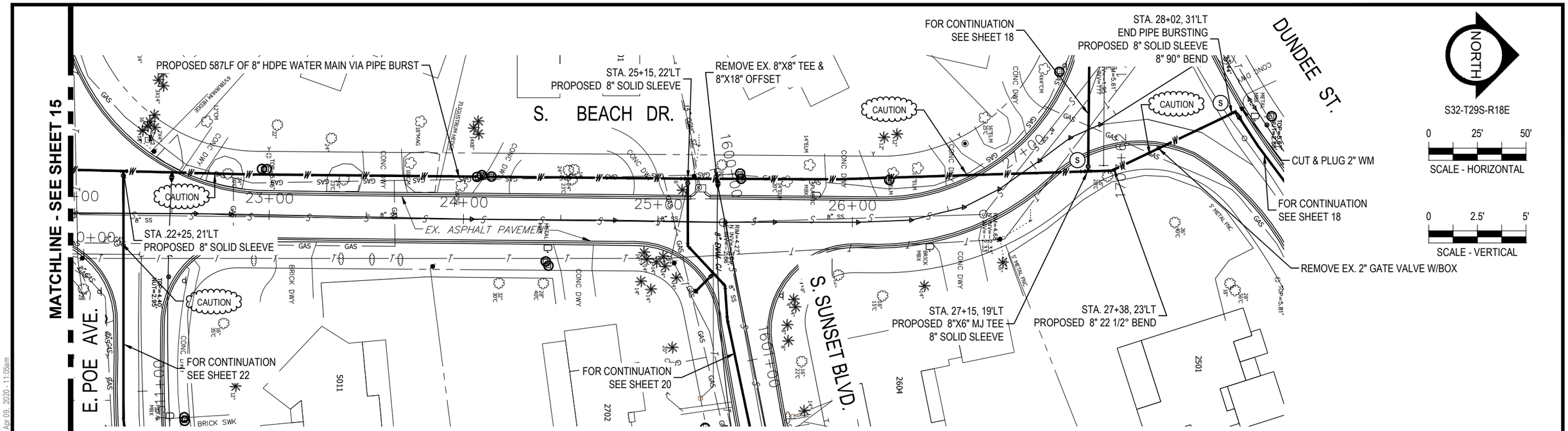
100% PLANS

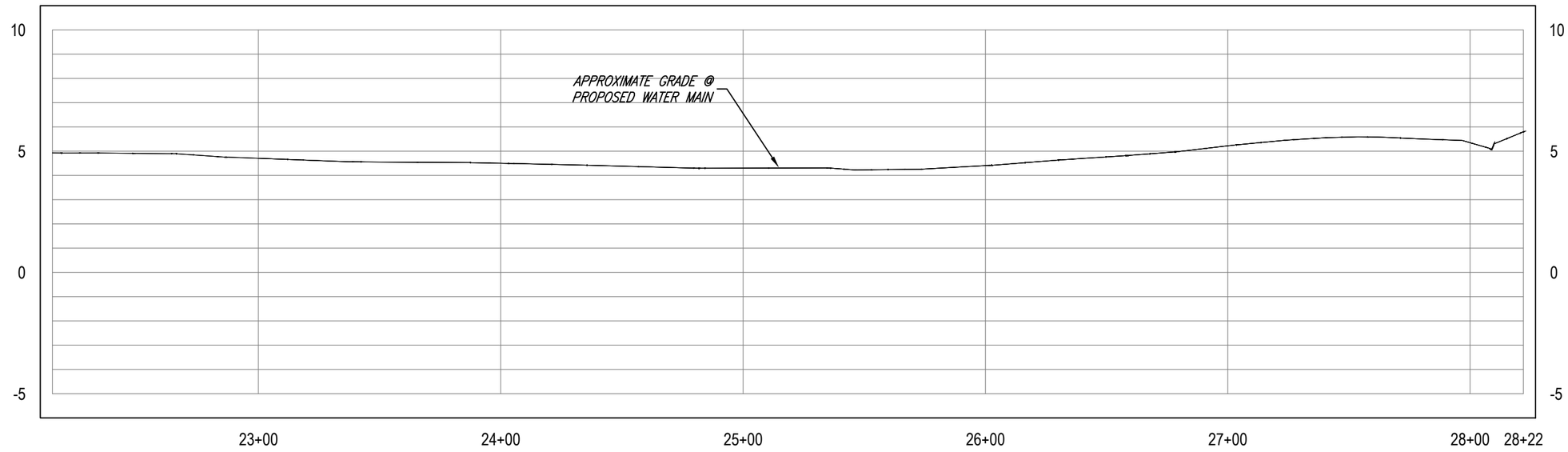
WORK ORDER NO. 8407

RECORD DRAWING NO.

ATLAS PAGE K8-4 SHEET 15 OF 49

K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West)_NPP_JDM\1. 8407 - FY17 CIP Sunset Park (West)\2. Design\5. Drawings\WO8407\01-Dwg\02-Sheets\8407 PH III.dwg, Apr 09, 2020 - 11:05am





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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DESIGNED NPP
DRAWN JDM
CHECKED RAJ
DATE 10/01/2017

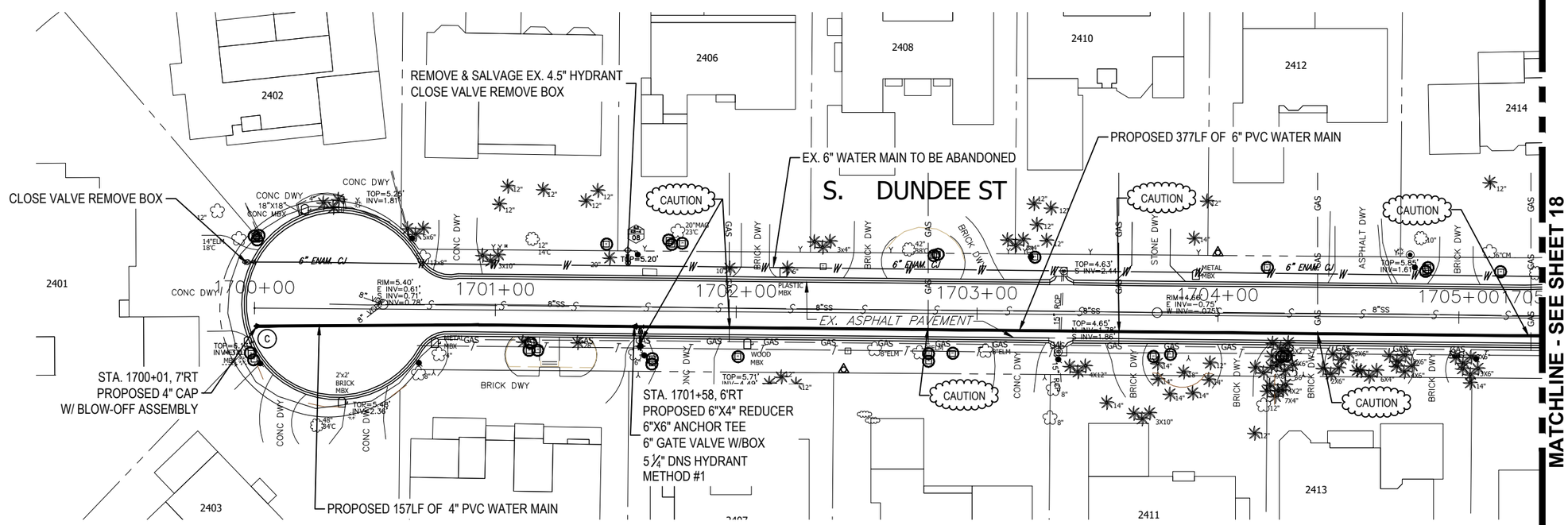
SUNSET PARK DISTRIBUTION
LINE REPLACEMENT (WEST)

PLAN & PROFILE

City of Tampa Florida
Water Department

100% PLANS
WORK ORDER NO. 8407
RECORD DRAWING NO.
ATLAS PAGE K8-4 SHEET 16 OF 49

K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West)_NPP_JDM\1_8407 - FY17 CIP Sunset Park (West)\2_Design\5_Drawings\WO8407\01-Dwg\02-Sheets\8407 PH III.dwg Apr 09, 2020 - 11:05am



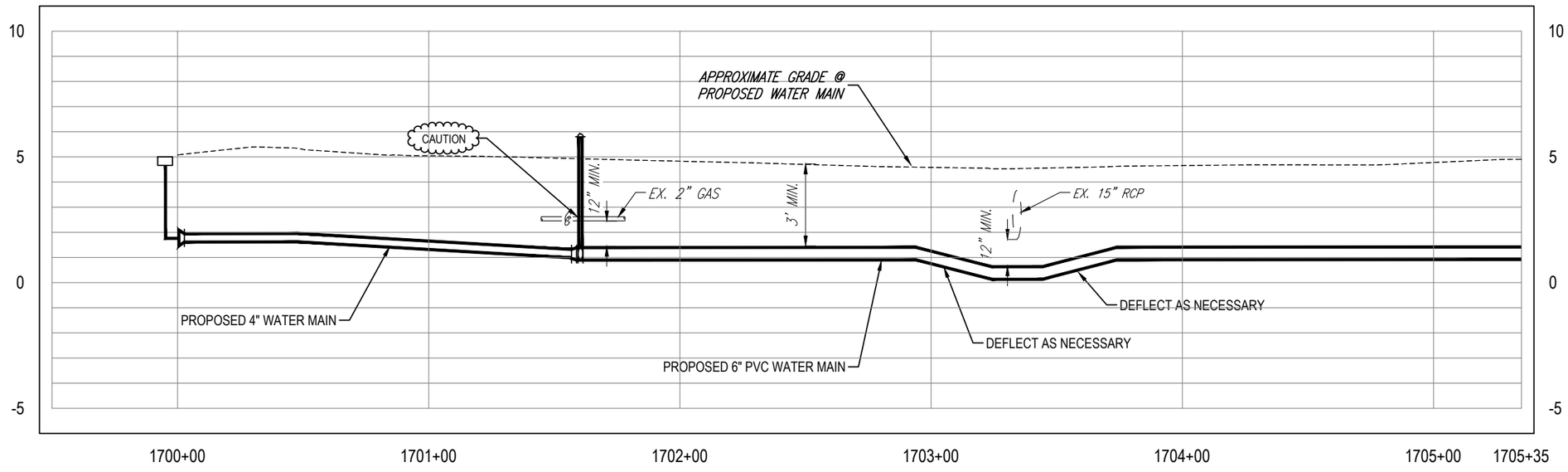
MATCHLINE - SEE SHEET 18

NORTH

S32-T29S-R18E

0 25' 50'
SCALE - HORIZONTAL

0 2.5' 5'
SCALE - VERTICAL



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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DESIGNED NPP
DRAWN JDM
CHECKED RAJ
DATE 10/01/2017

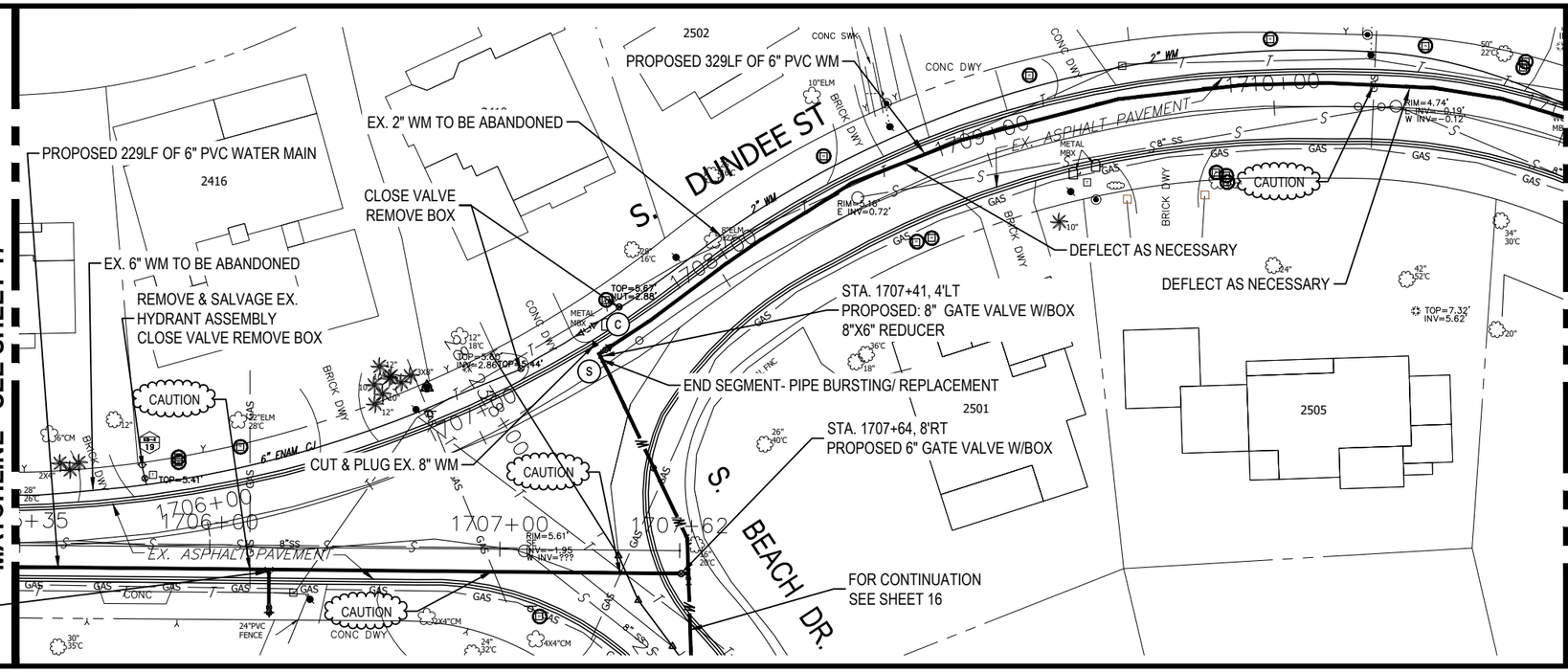
SUNSET PARK DISTRIBUTION
LINE REPLACEMENT (WEST)

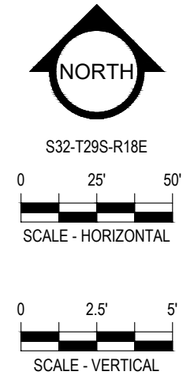
PLAN & PROFILE

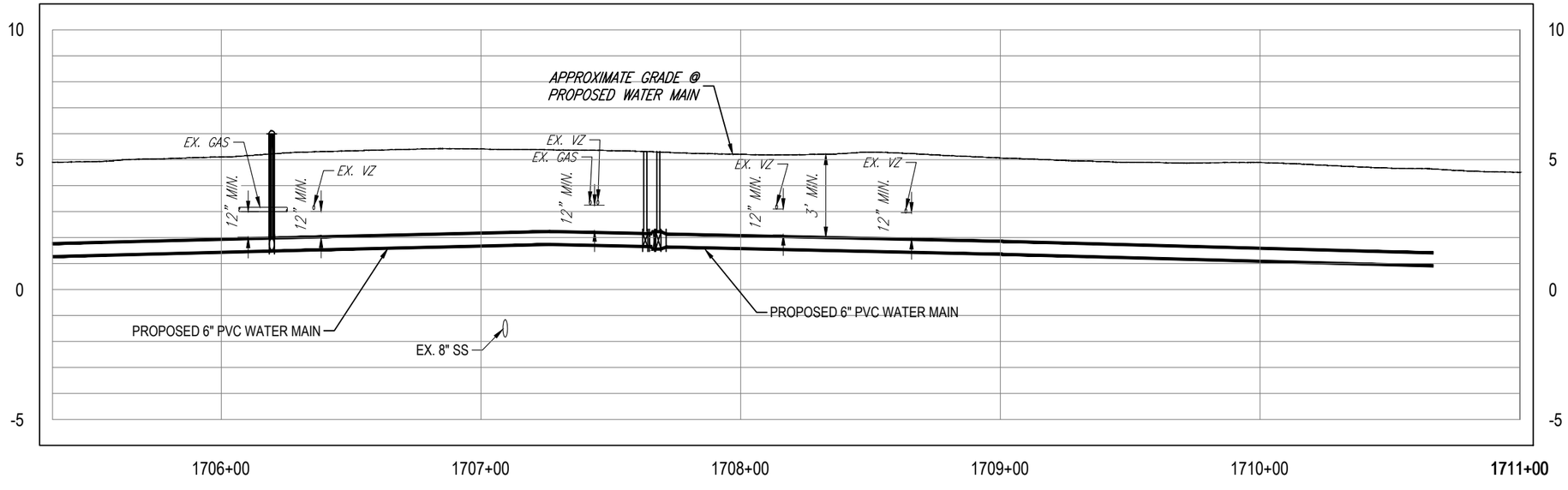
City of Tampa Florida
Water Department

100% PLANS
WORK ORDER NO. 8407
RECORD DRAWING NO.
ATLAS PAGE K8-4 SHEET 17 OF 49

K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West)_NPP_JDM\1. 8407 - FY17 CIP Sunset Park (West)\2. Design\5. Drawings\WO8407\01-Dwg\02-Sheets\8407 PH III.dwg, Apr 09, 2020 - 11:06am







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 NPP DRAWN JDM CHECKED RAJ DATE 10/01/2017	SUNSET PARK DISTRIBUTION LINE REPLACEMENT (WEST) PLAN & PROFILE	City of Tampa Florida Water Department	100% PLANS WORK ORDER NO. 8407 RECORD DRAWING NO. ATLAS PAGE K8-4 SHEET 18 OF 49
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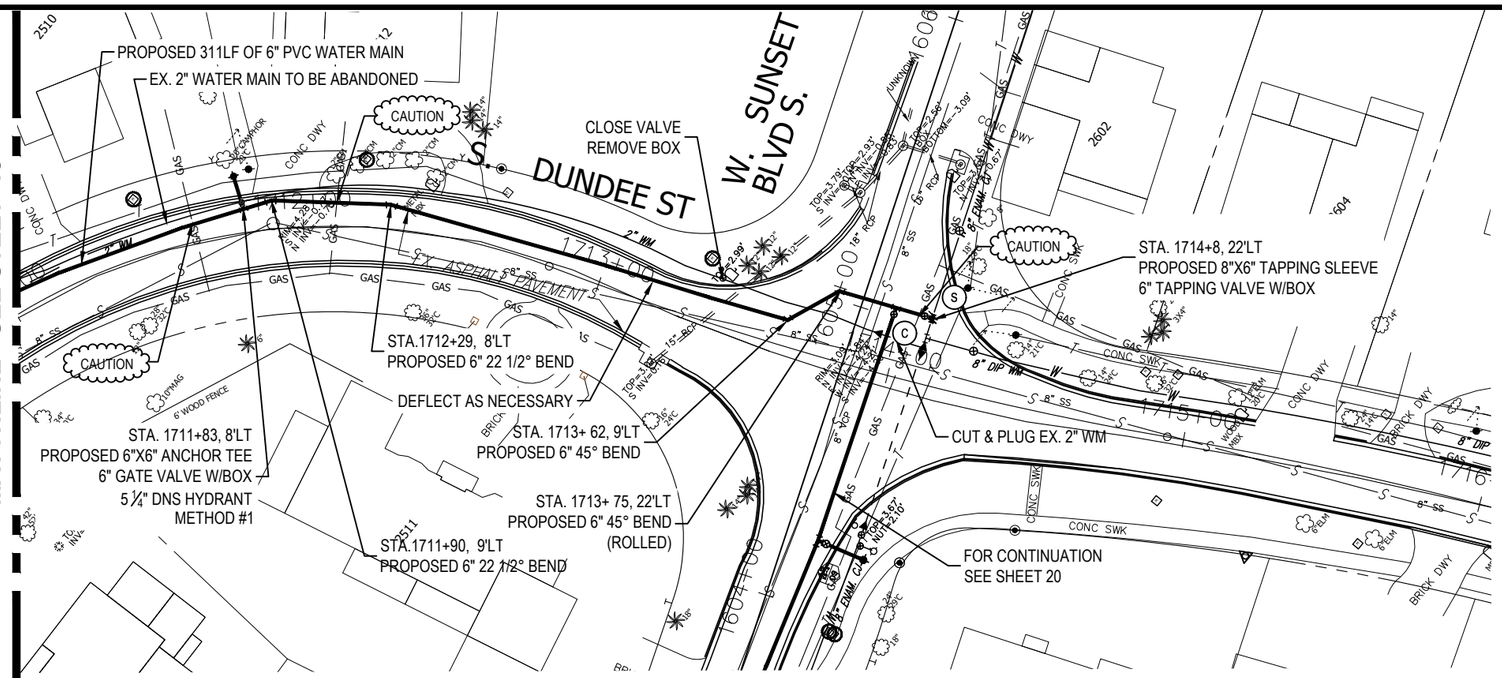
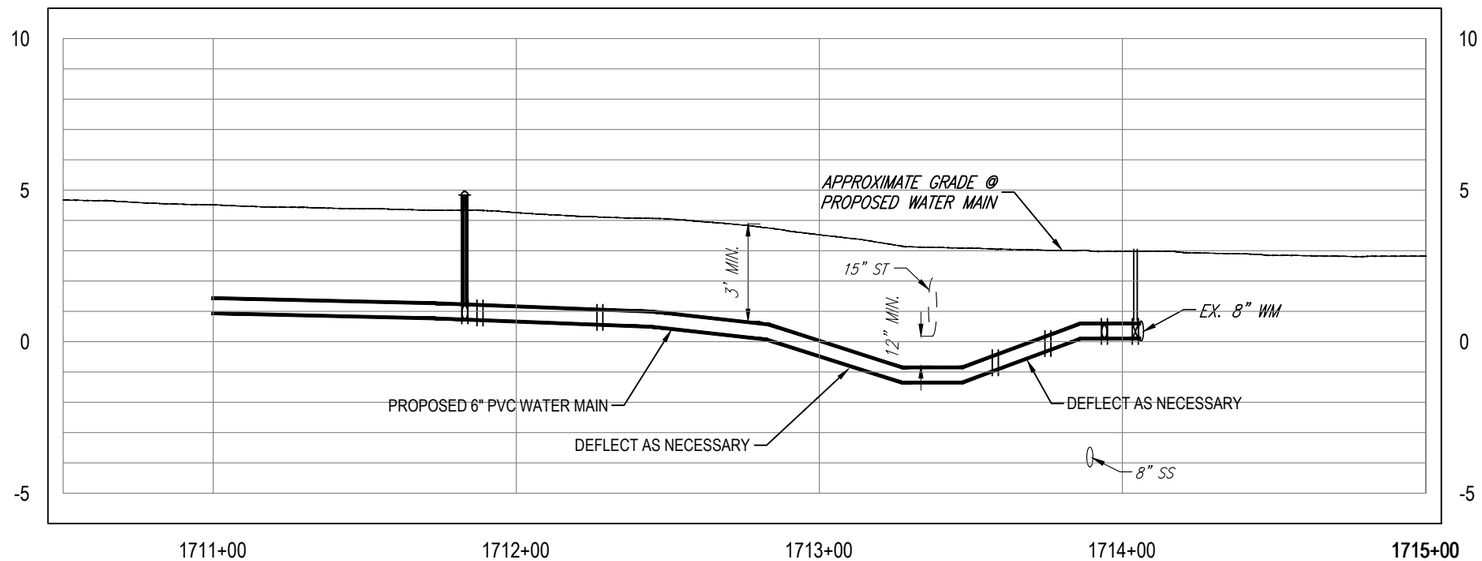


S32-T29S-R18E

0 25' 50'
SCALE - HORIZONTAL

0 2.5' 5'
SCALE - VERTICAL



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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DESIGNED NPP
DRAWN JDM
CHECKED RAJ
DATE 10/01/2017

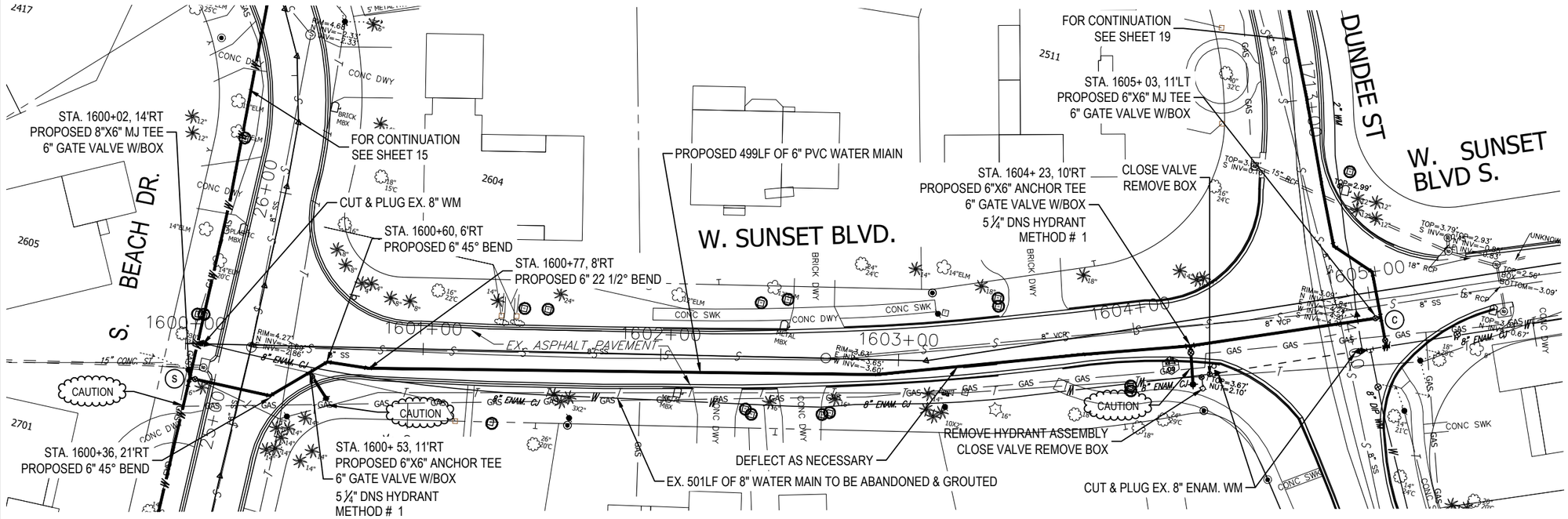
SUNSET PARK DISTRIBUTION
LINE REPLACEMENT (WEST)

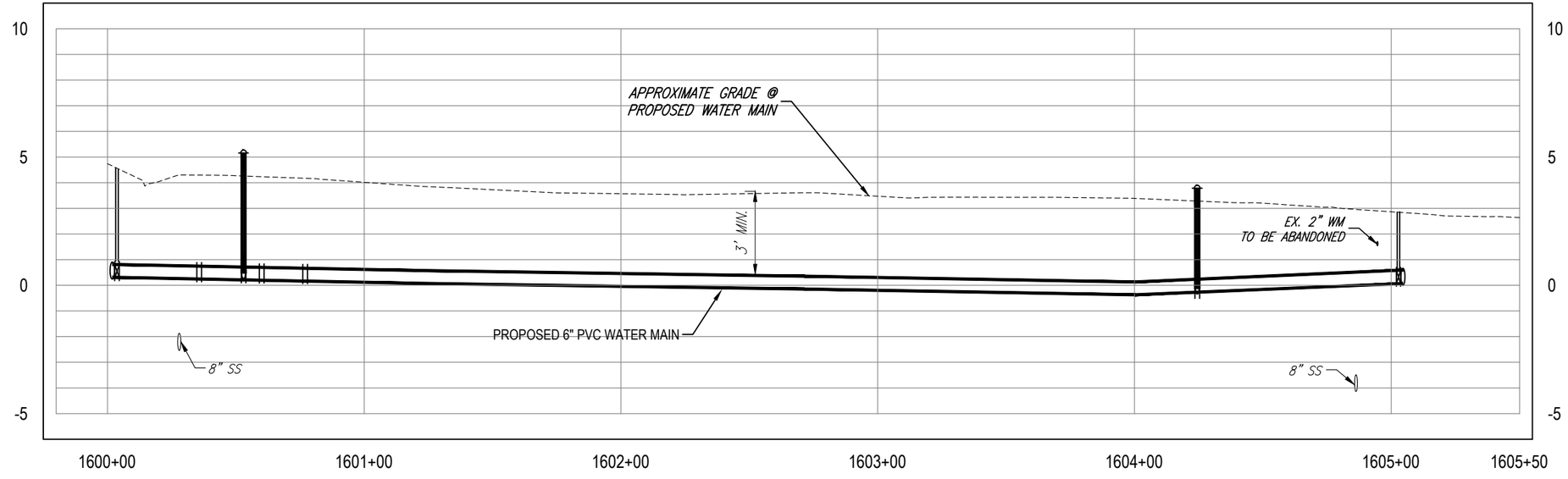
PLAN & PROFILE

City of Tampa Florida
Water Department

100% PLANS
WORK ORDER NO. 8407
RECORD DRAWING NO.
ATLAS PAGE K8-4 SHEET 19 OF 49

K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West)_NPP_JDM\1. 8407 - FY17 CIP Sunset Park (West)\2. Design\5. Drawings\WO8407\01-Dwg\02-Sheets\8407 PH III.dwg, Apr 09, 2020 - 11:06am





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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DESIGNED NPP
DRAWN JDM
CHECKED RAJ
DATE 10/01/2017

SUNSET PARK DISTRIBUTION
LINE REPLACEMENT (WEST)

PLAN & PROFILE

City of Tampa Florida
Water Department

100% PLANS
WORK ORDER NO. 8407
RECORD DRAWING NO.
ATLAS PAGE K8-4 SHEET 20 OF 49

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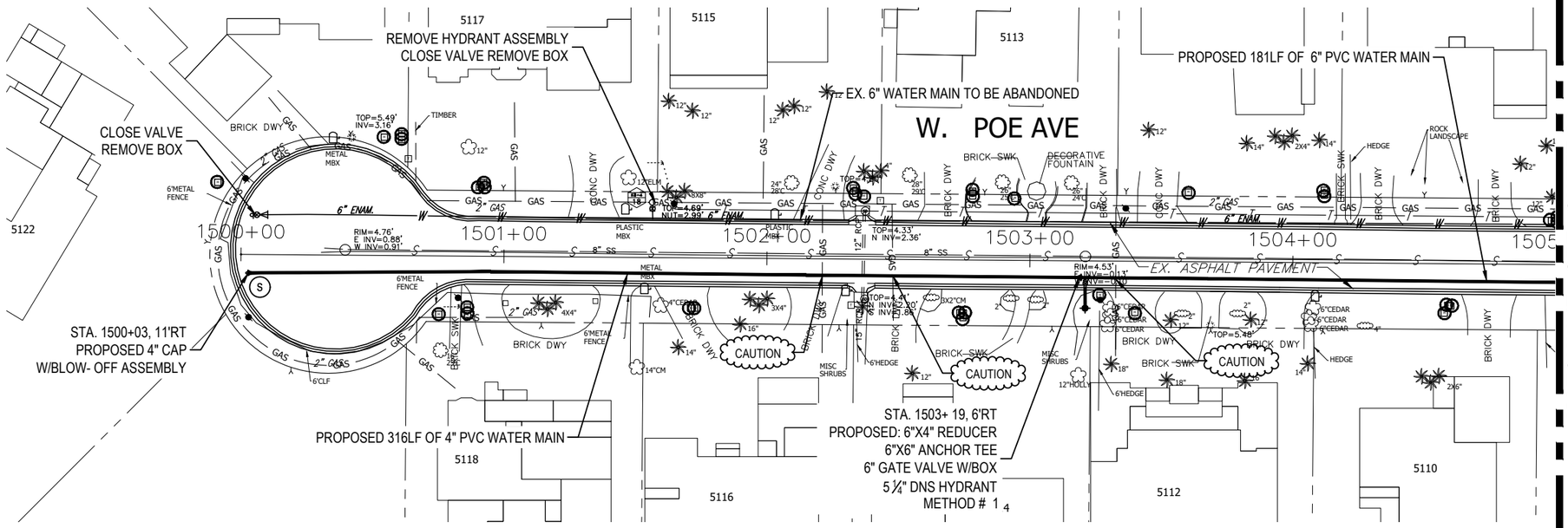


MATCHLINE - SEE SHEET 22

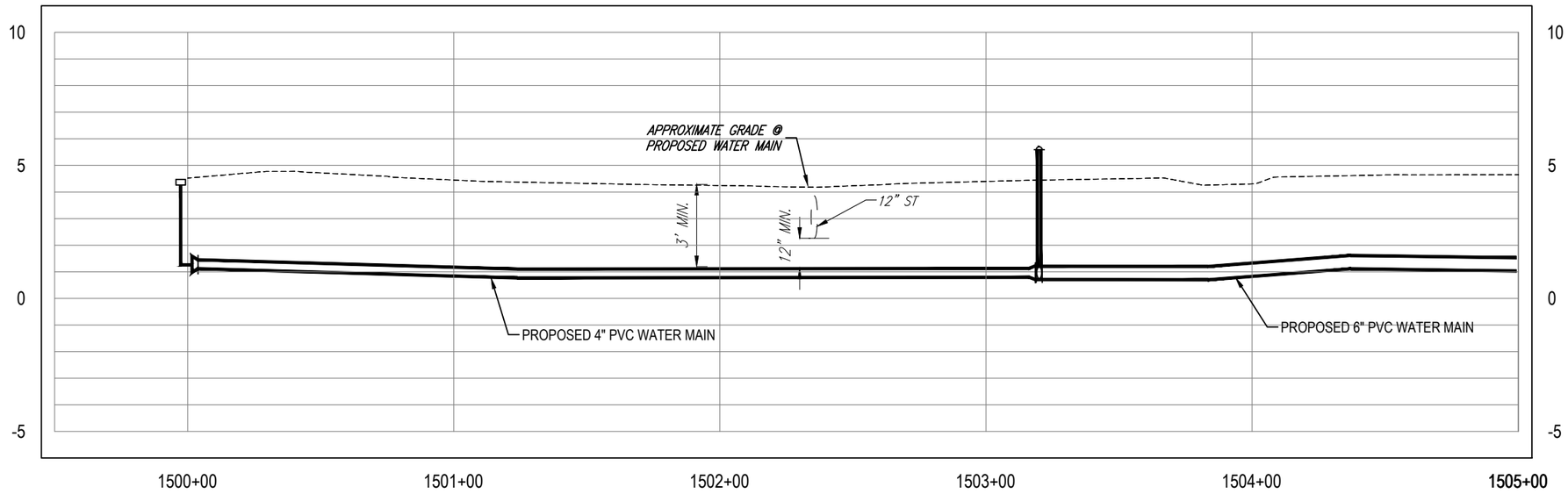
S32-T29S-R18E

0 25' 50'

SCALE - HORIZONTAL

0 2.5' 5'

SCALE - VERTICAL



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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DESIGNED NPP
DRAWN JDM
CHECKED RAJ
DATE 10/01/2017

SUNSET PARK DISTRIBUTION
LINE REPLACEMENT (WEST)

PLAN & PROFILE

City of Tampa Florida
Water Department

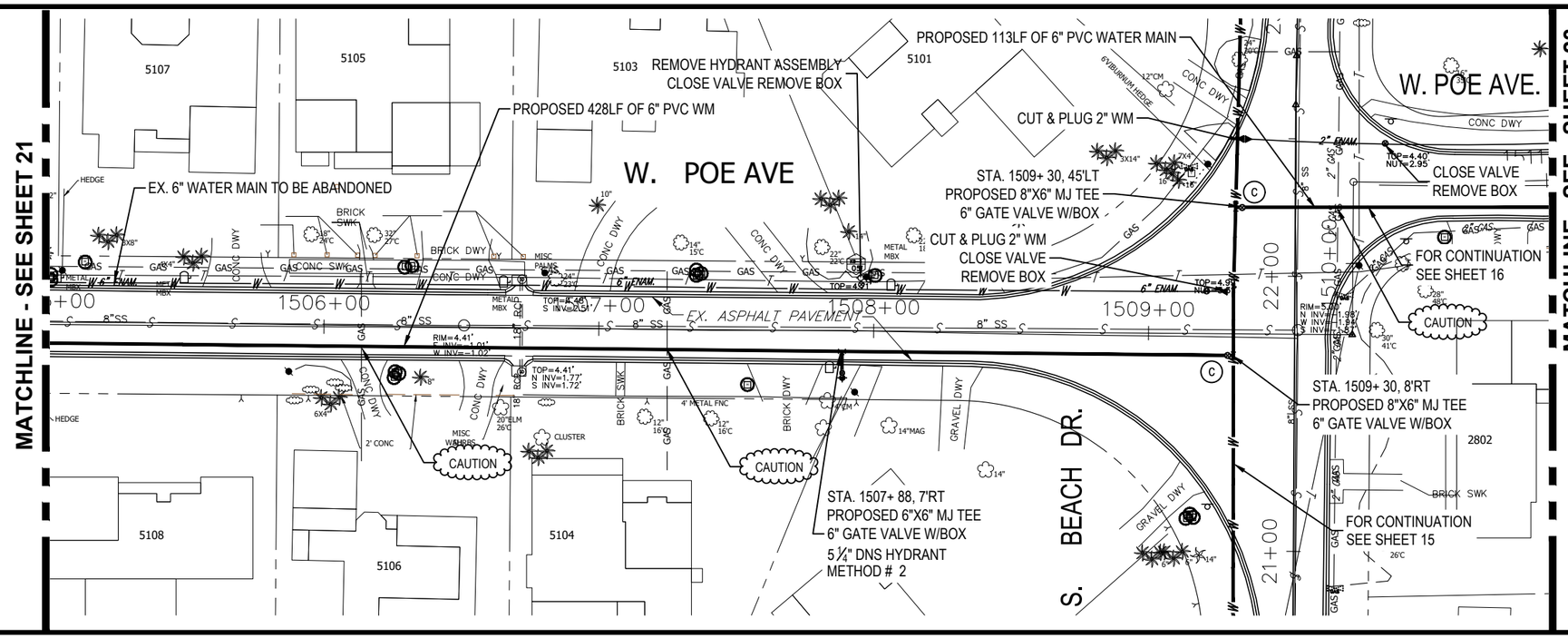
100% PLANS

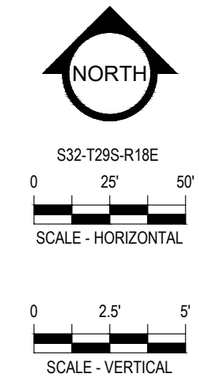
WORK ORDER NO. 8407

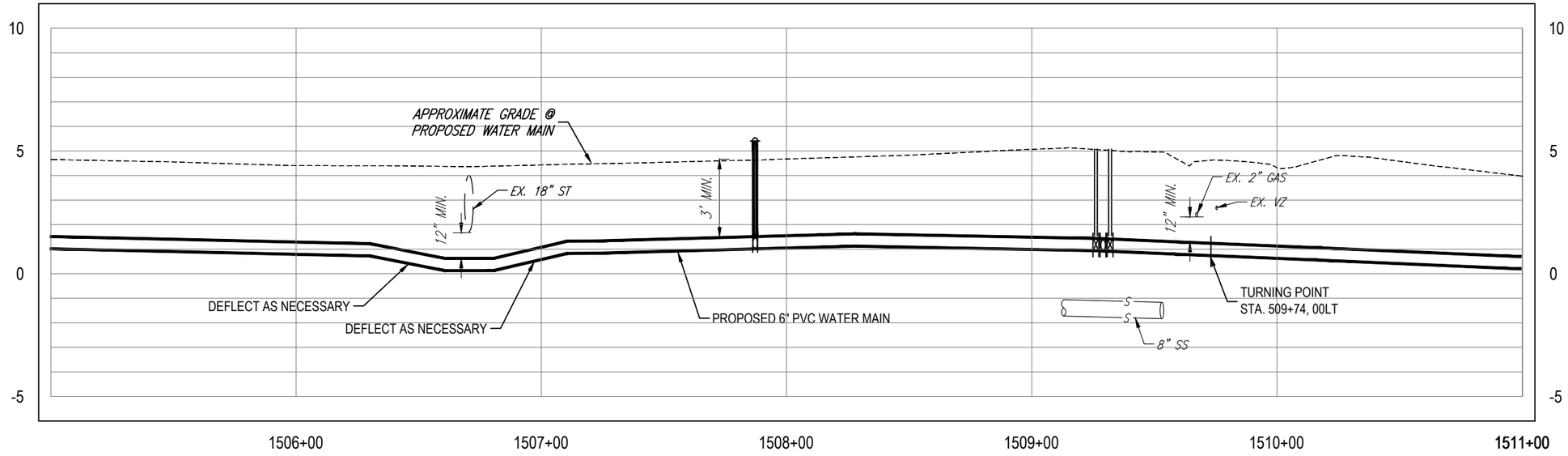
RECORD DRAWING NO.

ATLAS PAGE K8-4 SHEET 21 OF 49

K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West)_NPP_JDM\1. 8407 - FY17 CIP Sunset Park (West)\2. Design\5. Drawings\WO8407\01-Dwg\02-Sheets\8407 PH III.dwg Apr 09, 2020 - 11:07am







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 NPP DRAWN JDM CHECKED RAJ DATE 10/01/2017	SUNSET PARK DISTRIBUTION LINE REPLACEMENT (WEST) PLAN & PROFILE	City of Tampa Florida Water Department	100% PLANS WORK ORDER NO. 8407 RECORD DRAWING NO. ATLAS PAGE K8-4 SHEET 22 OF 49
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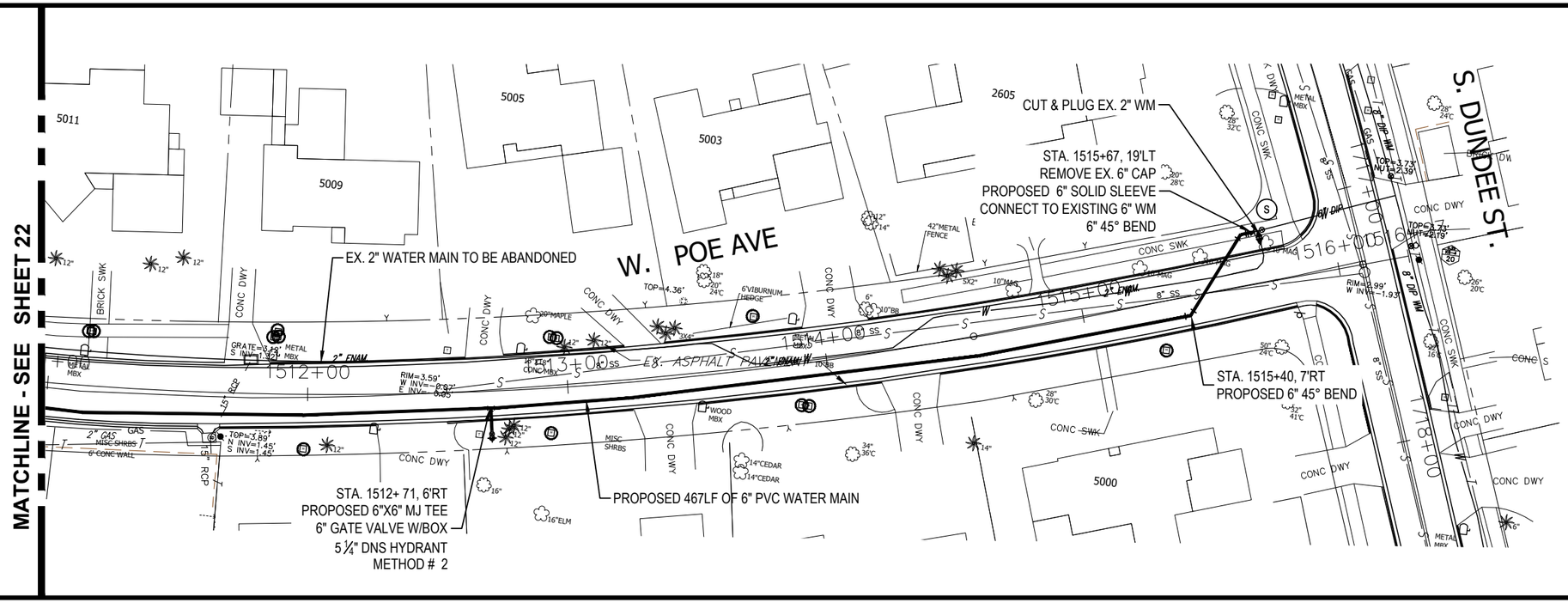

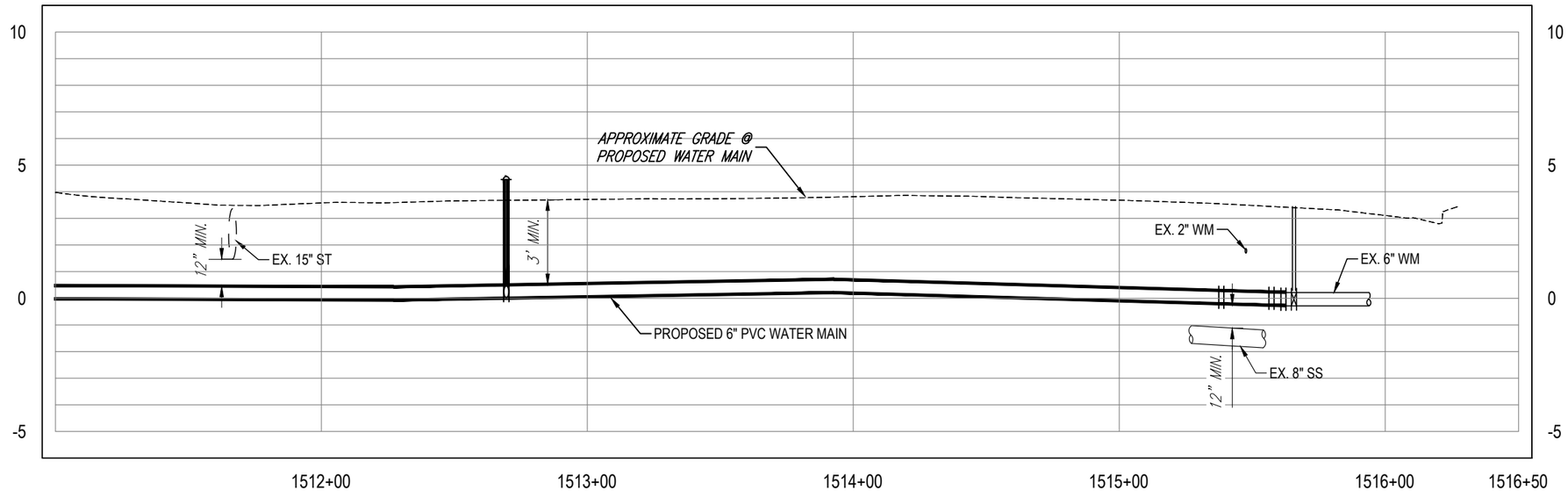

RORY A. JONES, P.E. CITY OF TAMPA WATER DEPT. 306 E. JACKSON ST., 5E TAMPA, FLA. 33602 P.E. #79453	REV NO.	DATE	DESCRIPTION	BY	DESIGNED NPP DRAWN JDM CHECKED RAJ DATE 10/01/2017	SUNSET PARK DISTRIBUTION LINE REPLACEMENT (WEST) PLAN & PROFILE	City of Tampa Florida Water Department	100% PLANS WORK ORDER NO. 8407 RECORD DRAWING NO. ATLAS PAGE K8-4 SHEET 23 OF 49
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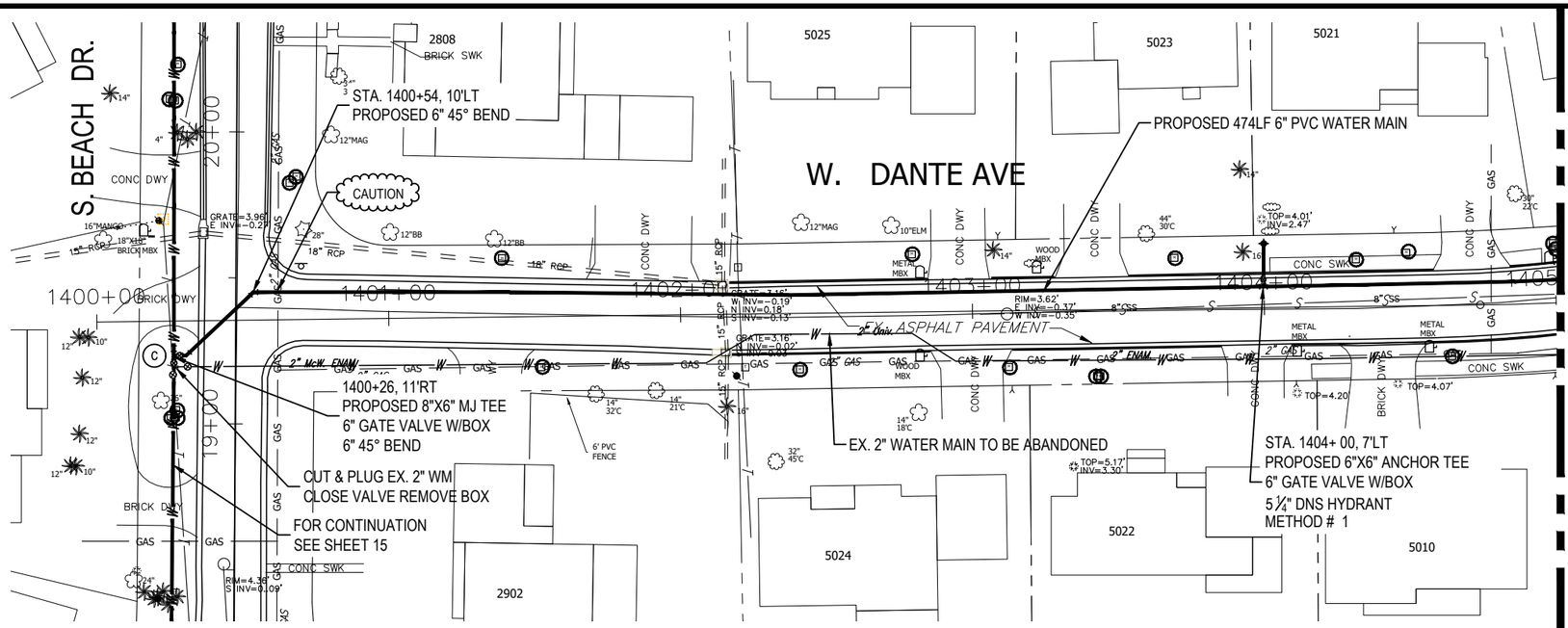


MATCHLINE - SEE SHEET 25

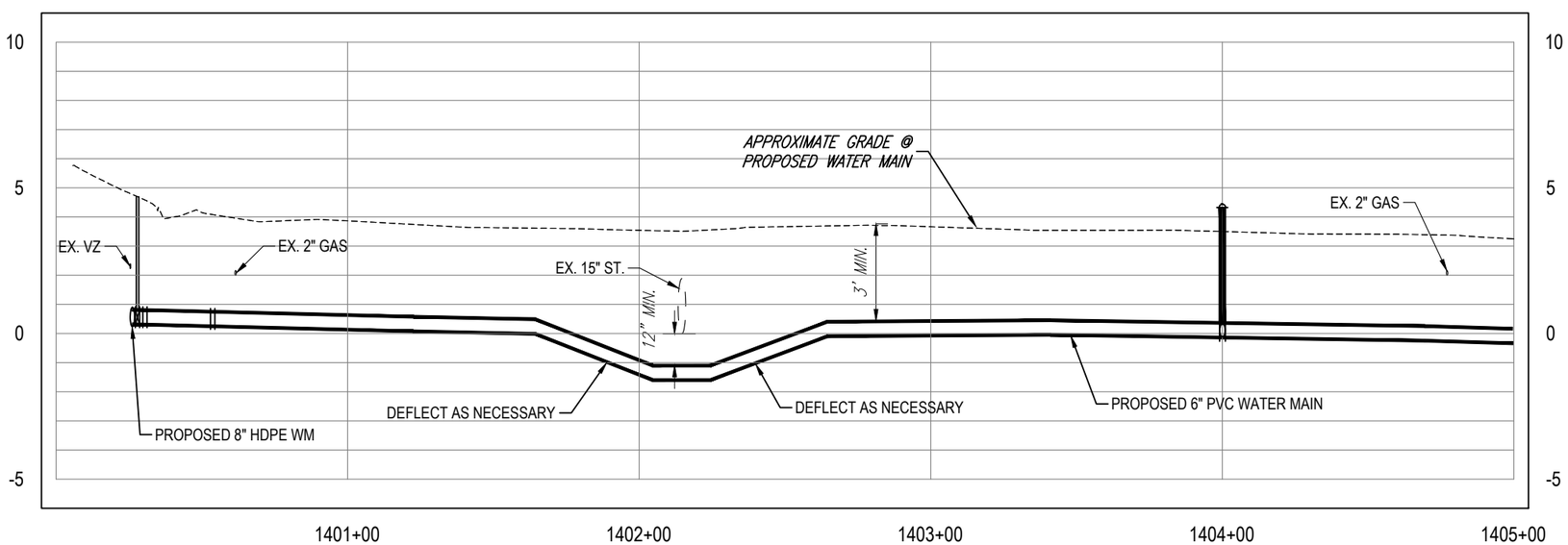
S32-T29S-R18E

0 25' 50'

SCALE - HORIZONTAL

0 2.5' 5'

SCALE - VERTICAL



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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DESIGNED NPP
DRAWN JDM
CHECKED RAJ
DATE 10/01/2017

SUNSET PARK DISTRIBUTION
LINE REPLACEMENT (WEST)

PLAN & PROFILE

City of Tampa Florida
Water Department

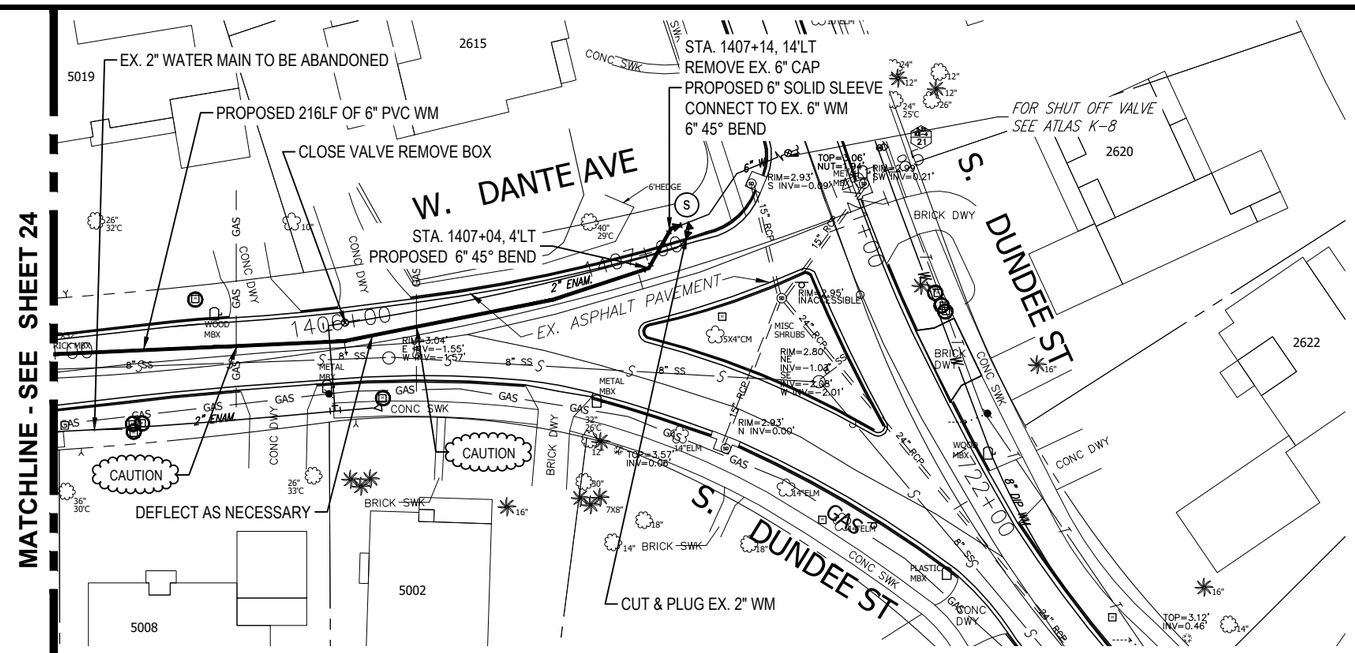
100% PLANS

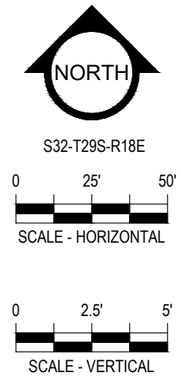
WORK ORDER NO. 8407

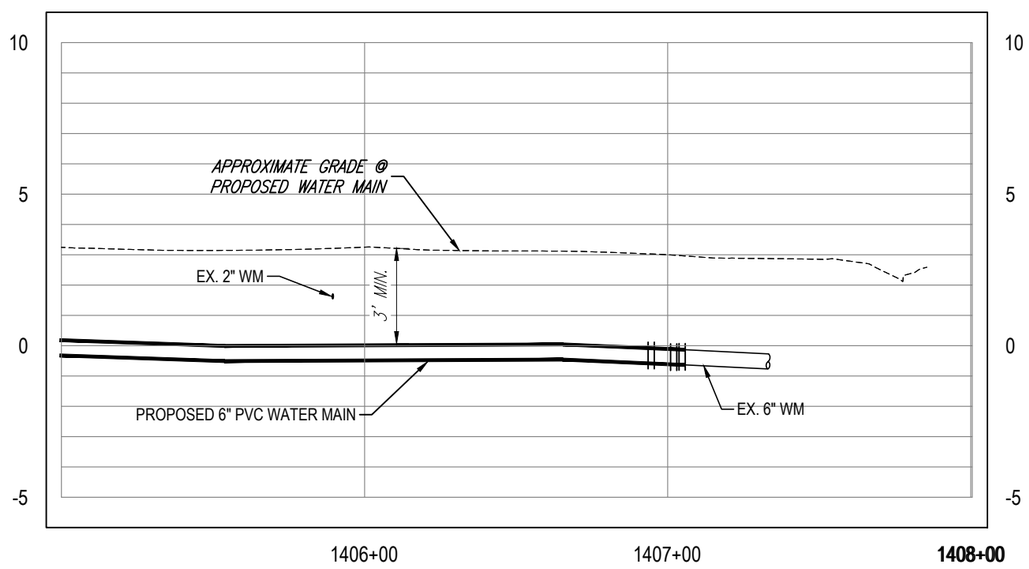
RECORD DRAWING NO.

ATLAS PAGE K8-4 SHEET 24 OF 49

K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West)_NPP_JDM\1. 8407 - FY17 CIP Sunset Park (West)\2. Design\5. Drawings\WO8407\01-Dwg\02-Sheets\8407 PH III.dwg Apr 09, 2020 - 11:08am







RORY A. JONES, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., 5E
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LINE REPLACEMENT (WEST)

PLAN & PROFILE

City of Tampa Florida
Water Department

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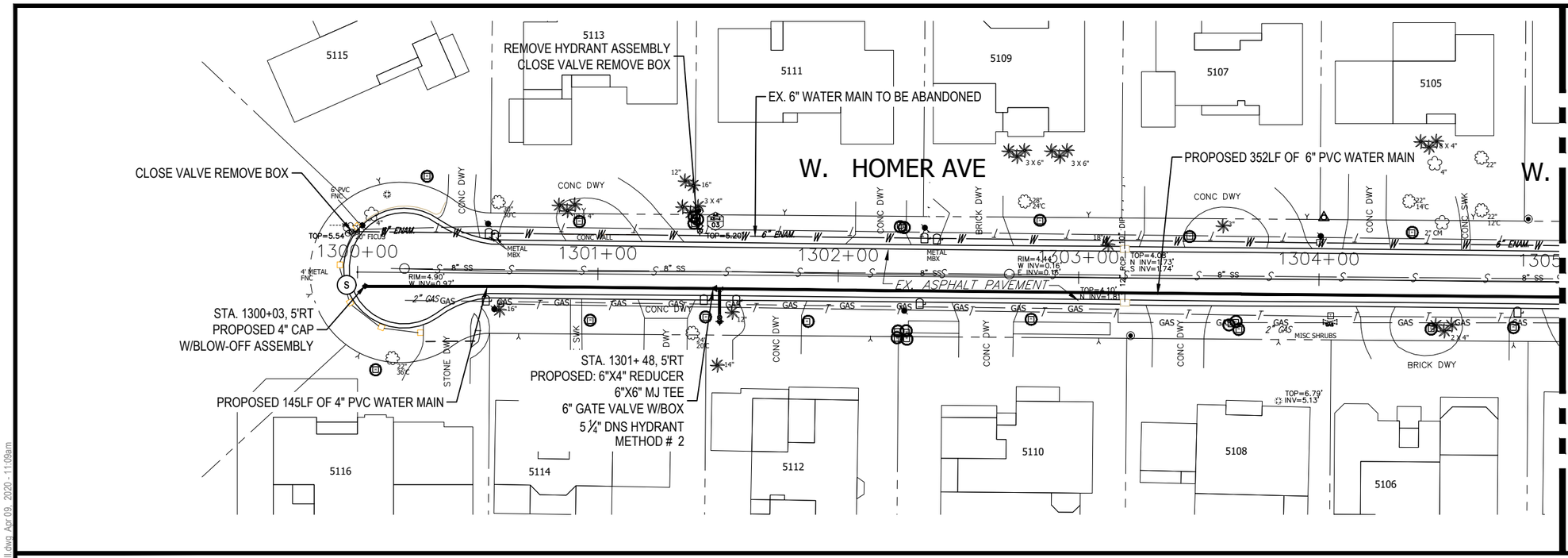
K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West)_NPP_JDM\1. 8407 - FY17 CIP Sunset Park (West)\2. Design\5. Drawings\WO8407\01-Dwg\02-Sheets\8407 PH III.dwg Apr 09, 2020 - 11:08am

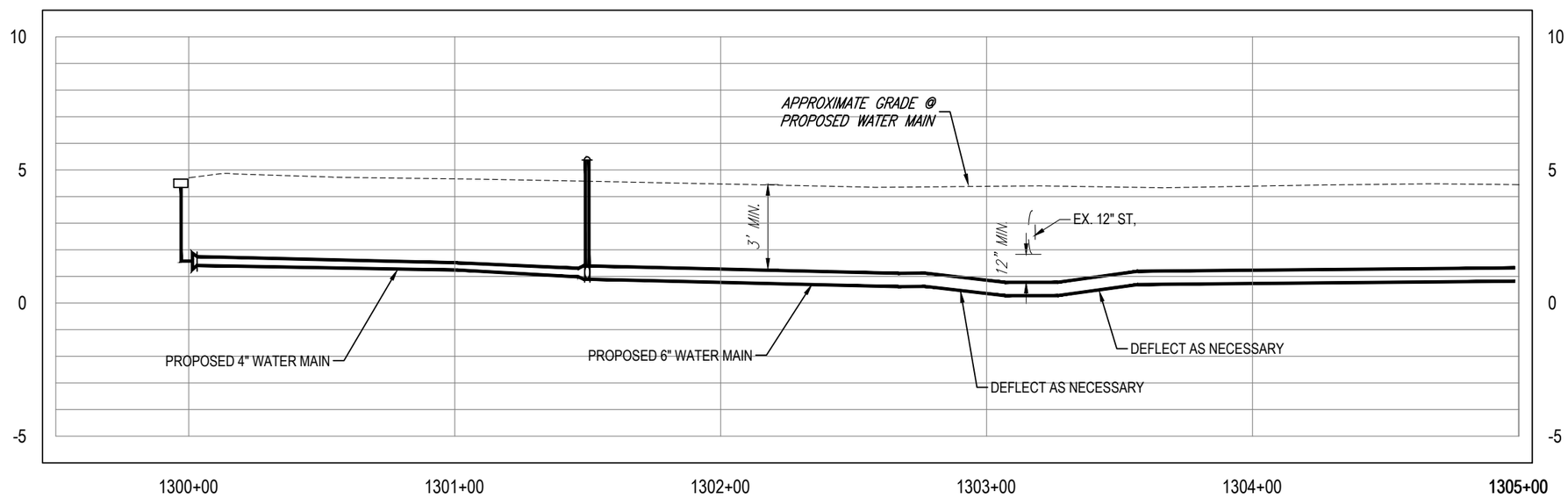


MATCHLINE - SEE SHEET 27

S32-T29S-R18E

0 25' 50'
SCALE - HORIZONTAL

0 2.5' 5'
SCALE - VERTICAL



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LINE REPLACEMENT (WEST)

PLAN & PROFILE

City of Tampa Florida
Water Department

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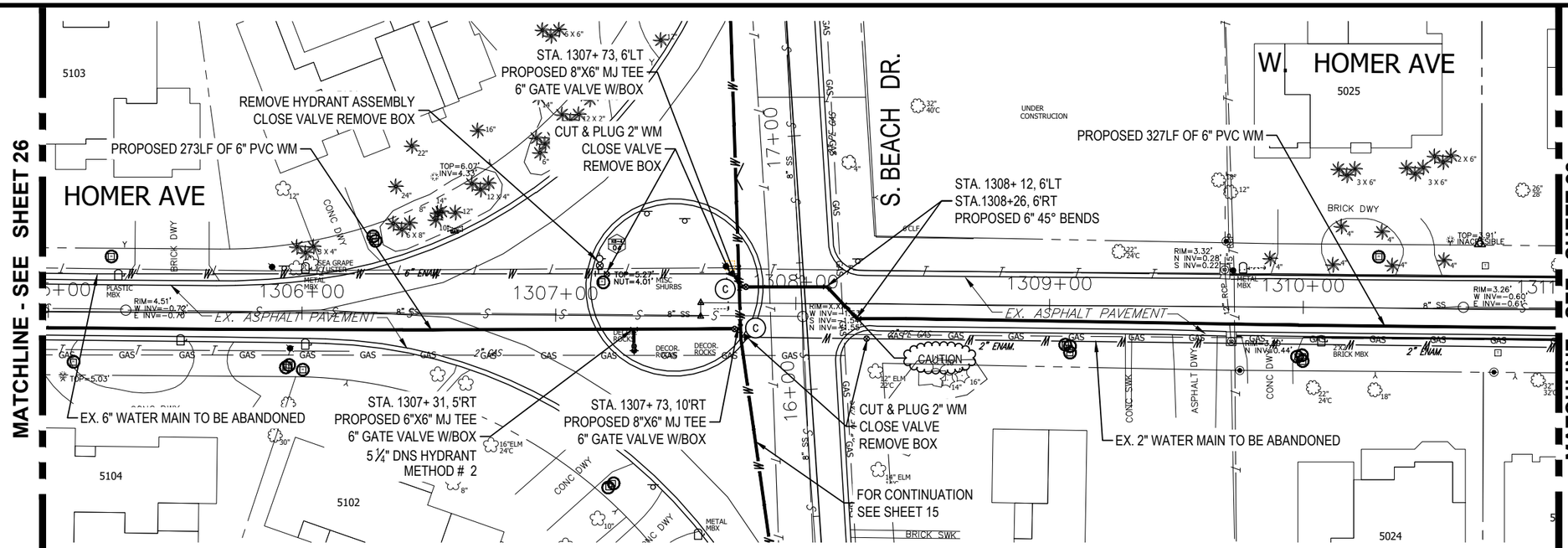

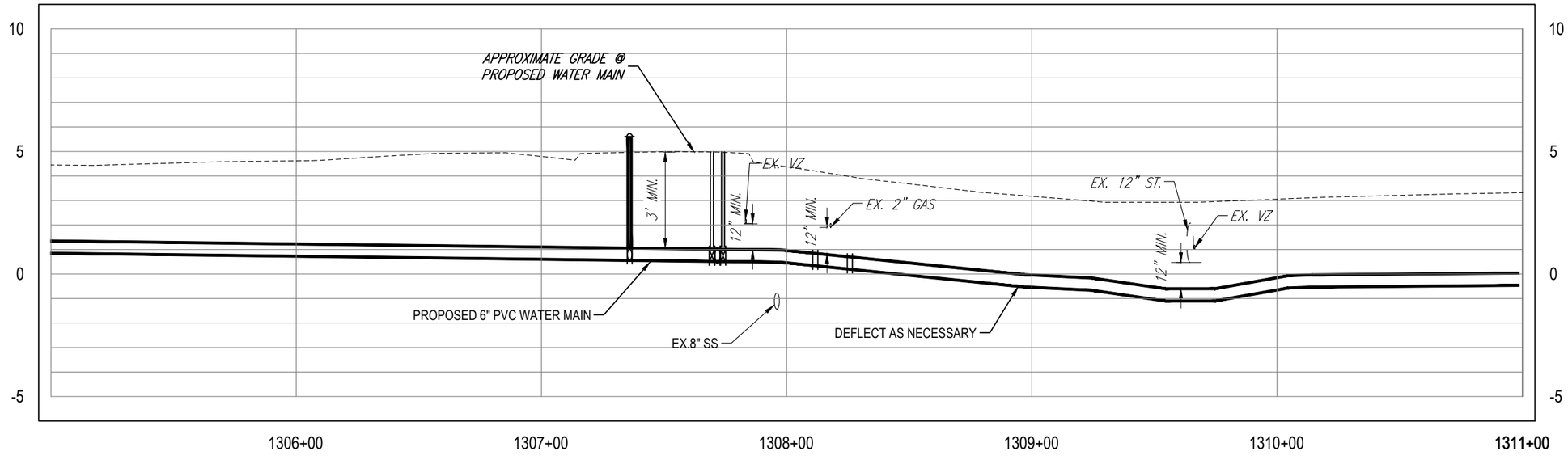

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City of Tampa Florida
Water Department

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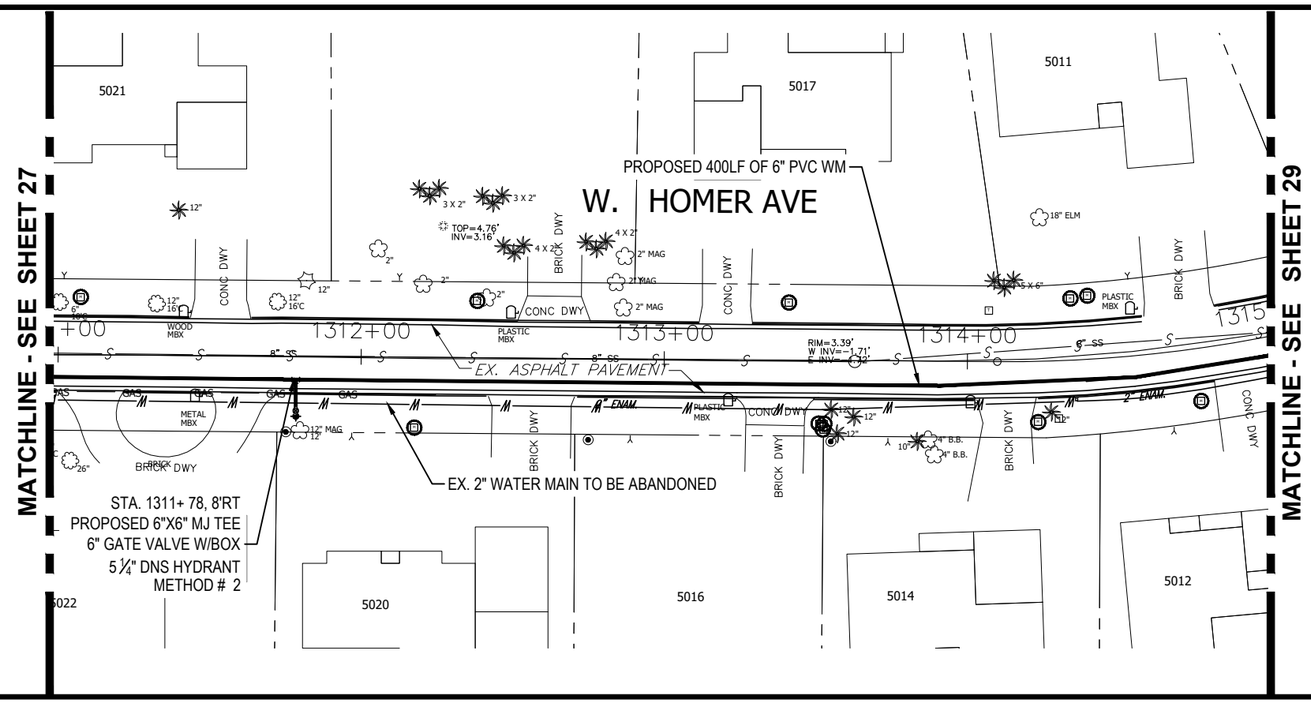

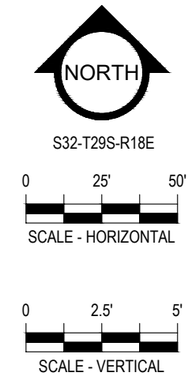

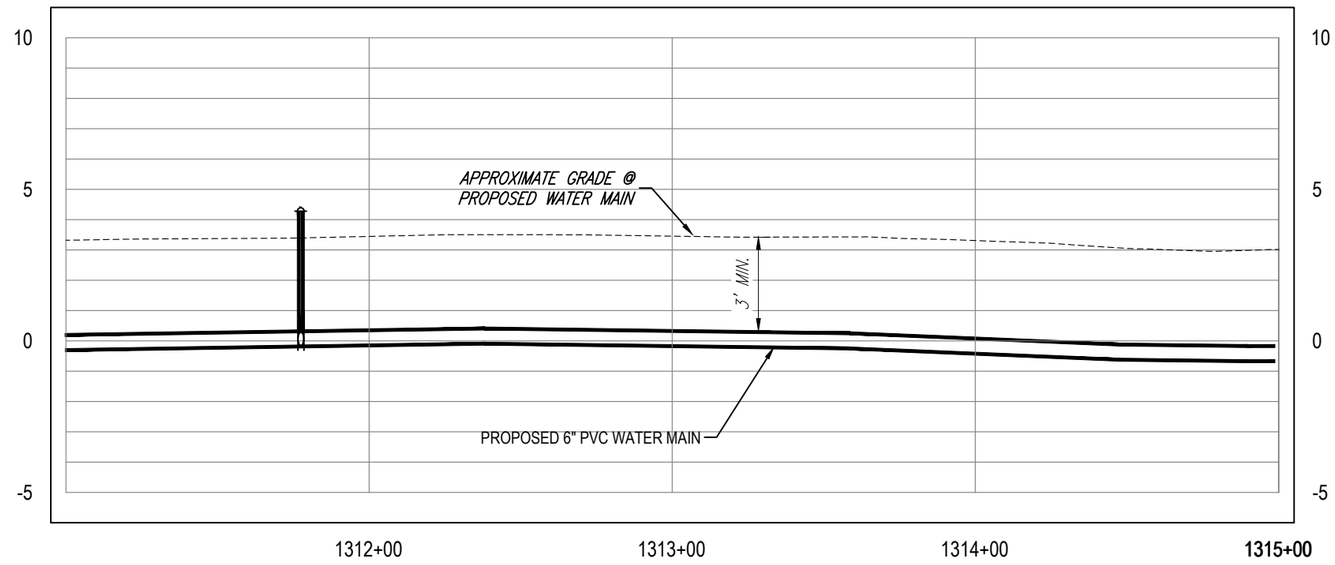

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LINE REPLACEMENT (WEST)

PLAN & PROFILE

City of Tampa Florida
Water Department

100% PLANS
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RECORD DRAWING NO.
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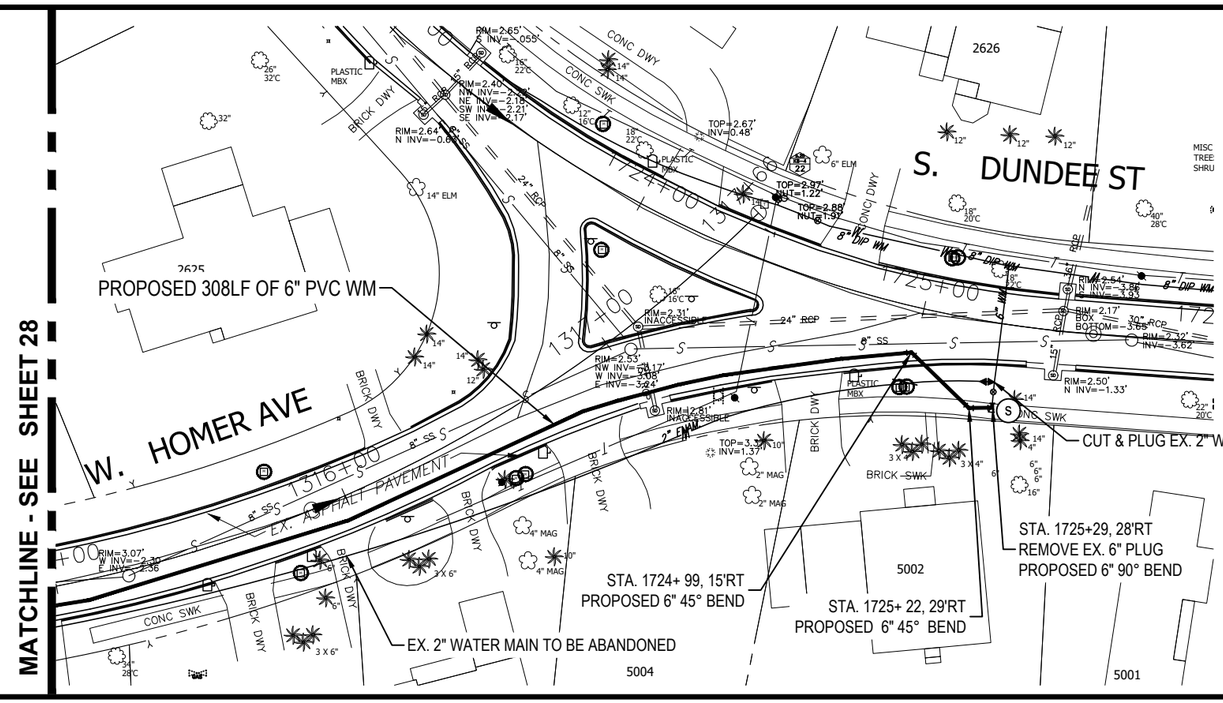
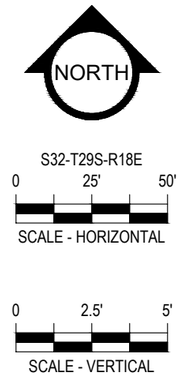
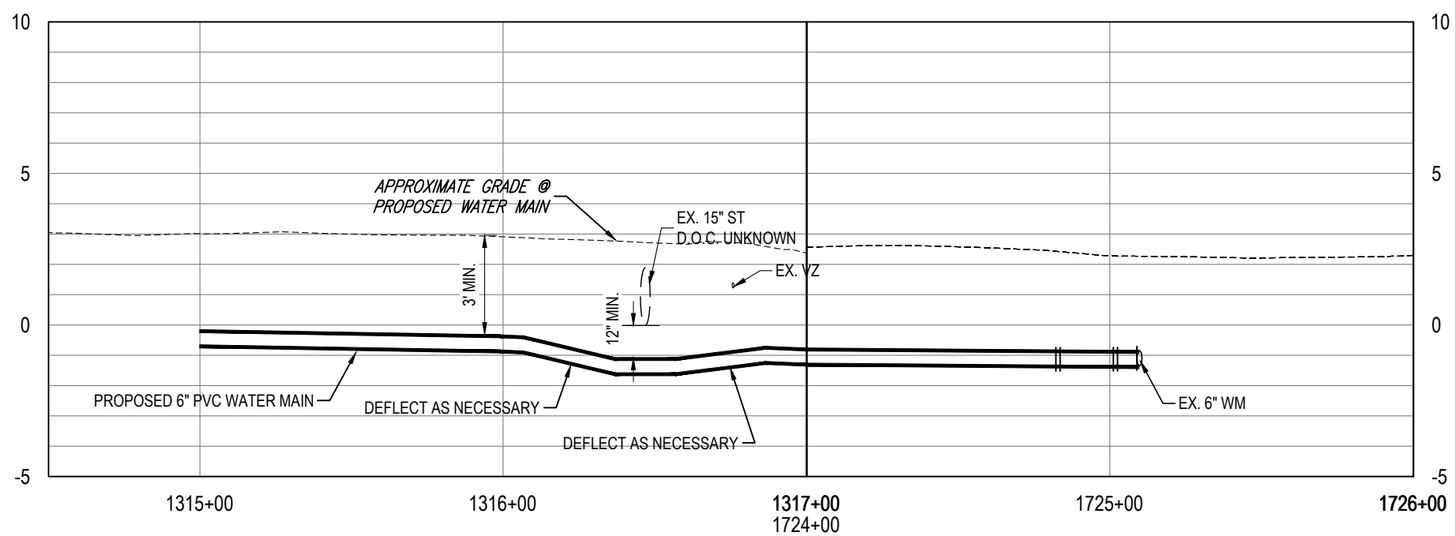
K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West)_NPP_JDM\1. 8407 - FY17 CIP Sunset Park (West)\2. Design\5. Drawings\W0840701-Dwg\02-Sheets\8407 PH III.dwg Apr 09, 2020 - 11:09am







RORY A. JONES, P.E.
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PLAN & PROFILE

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Water Department

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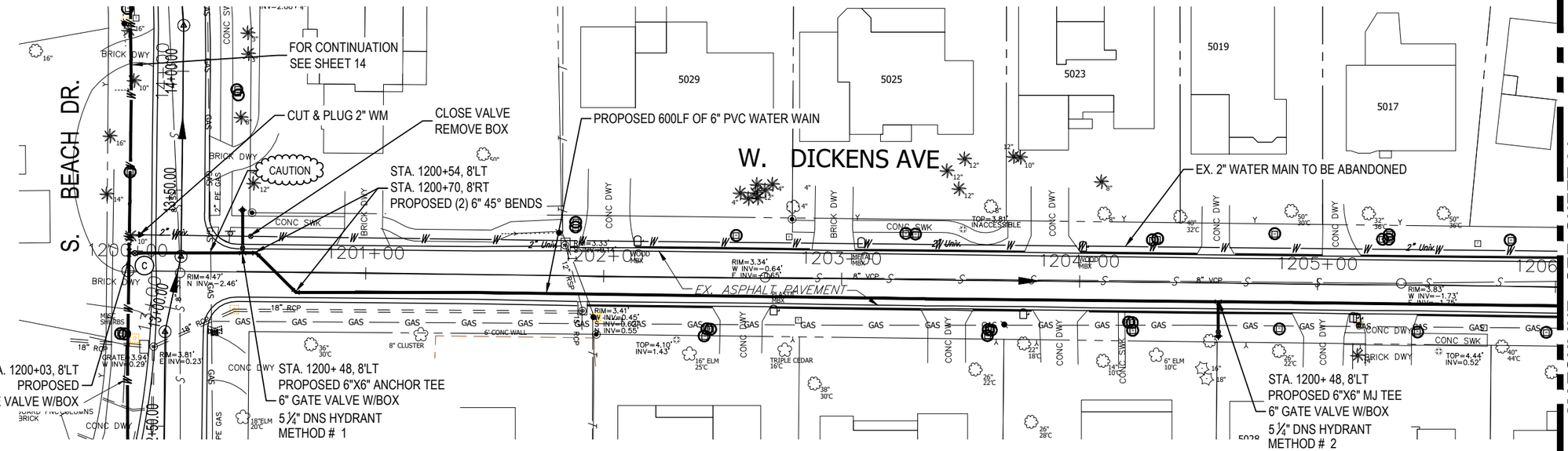
K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West)_NPP_JDM\1. 8407 - FY17 CIP Sunset Park (West)\2. Design\5. Drawings\WO8407\01-Dwg\02-Sheets\8407 PH III-2.dwg Apr 09, 2020 - 11:10am



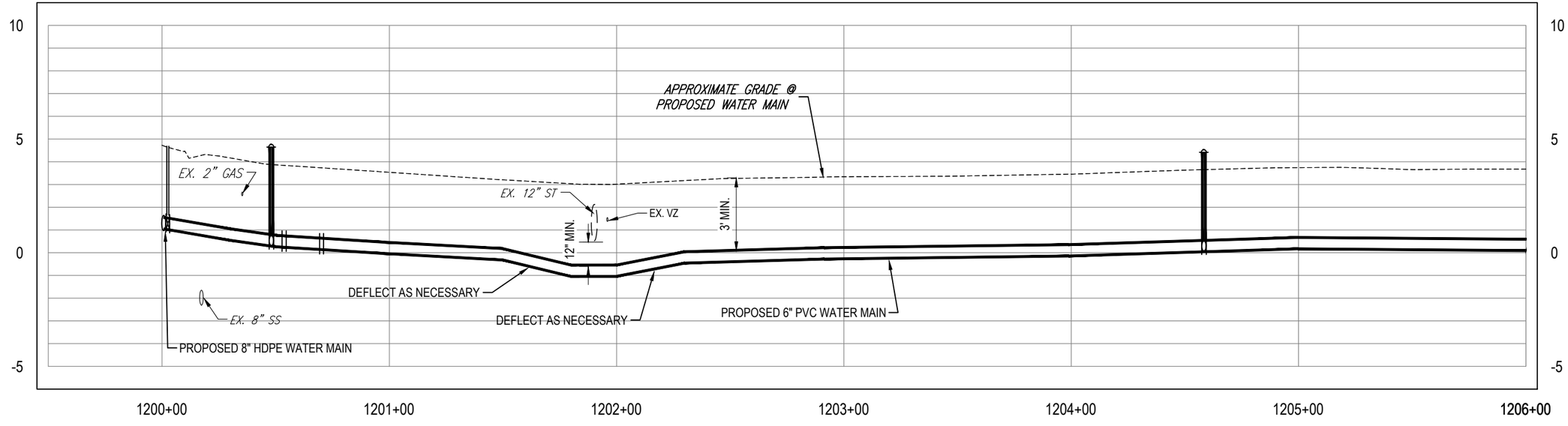
MATCHLINE - SEE SHEET 31

NORTH

S32-T29S-R18E

0 25' 50'
SCALE - HORIZONTAL

0 2.5' 5'
SCALE - VERTICAL



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SUNSET PARK DISTRIBUTION
LINE REPLACEMENT (WEST)

PLAN & PROFILE

City of Tampa Florida
Water Department

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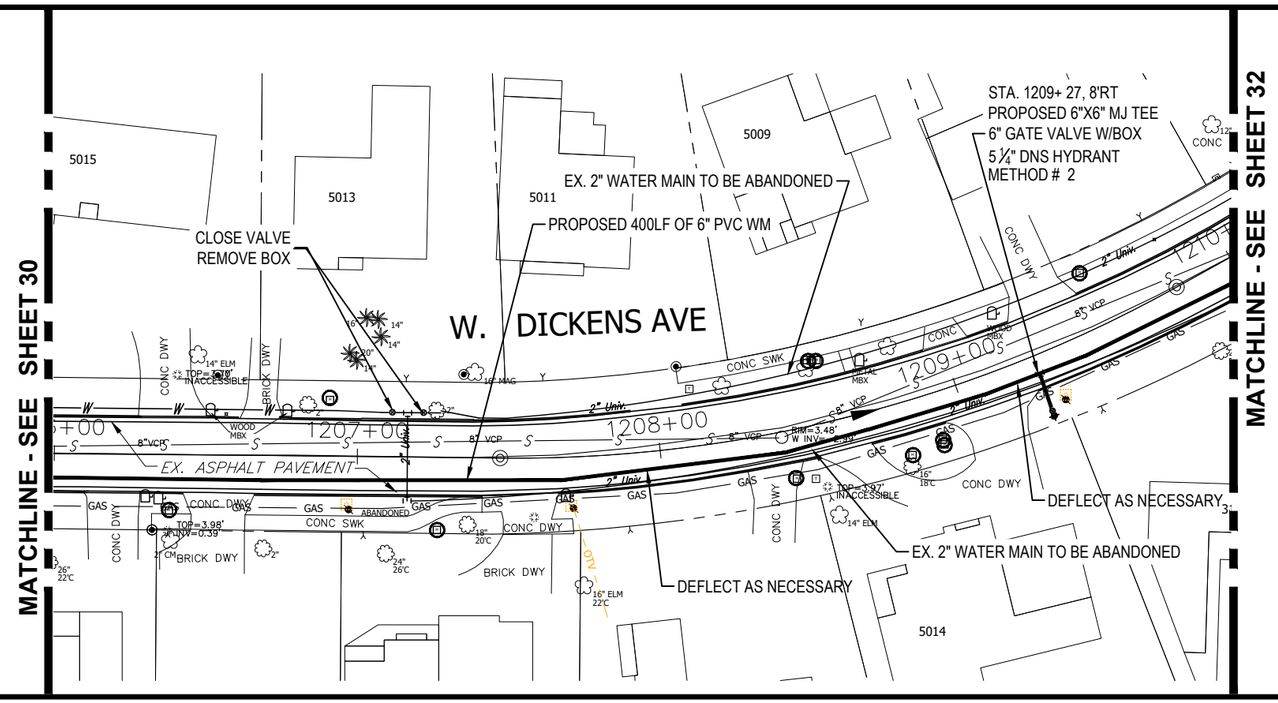
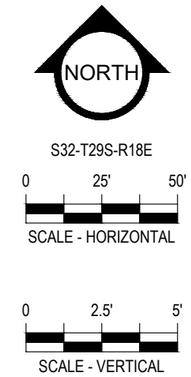
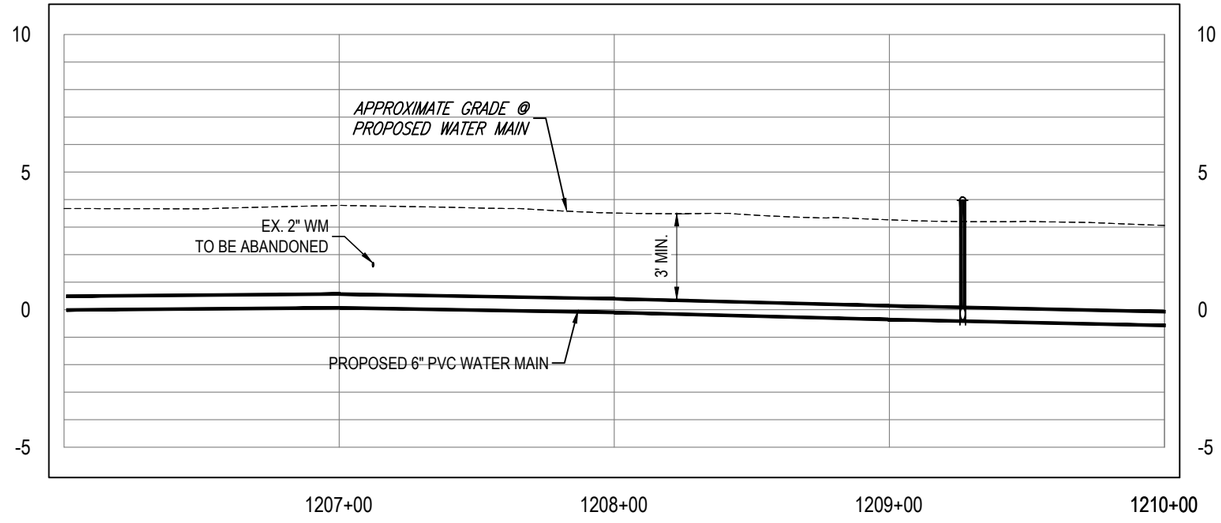
ATLAS PAGE K8-4 SHEET 30 OF 49

K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West)_NPP_JDM\1. 8407 - FY17 CIP Sunset Park (West)\2. Design\5. Drawings\W0840701-Dwg\02-Sheets\8407 PH III-2.dwg Apr 09, 2020 - 11:10am







RORY A. JONES, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., 5E
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SUNSET PARK DISTRIBUTION
LINE REPLACEMENT (WEST)

PLAN & PROFILE

City of Tampa Florida
Water Department

100% PLANS
WORK ORDER NO. 8407
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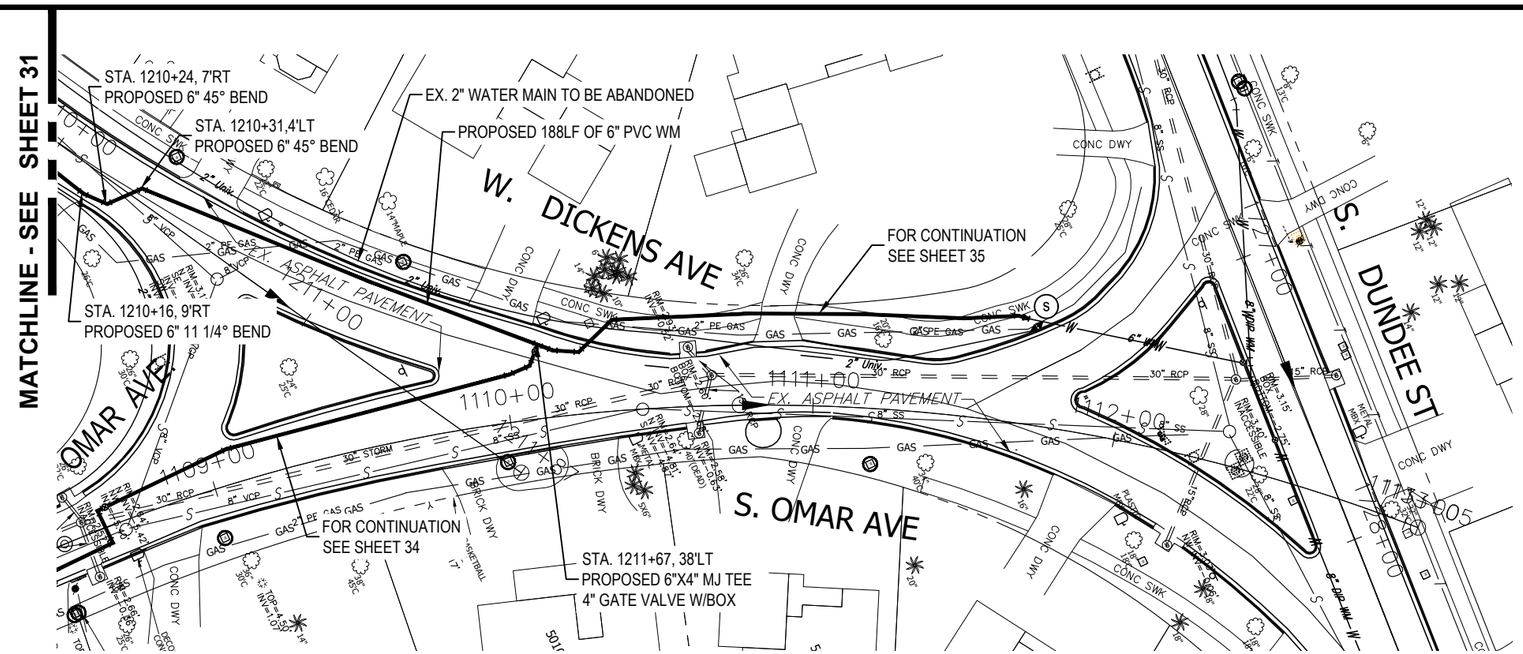
ATLAS PAGE K8-4 SHEET 31 OF 49

K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West)\NPP, JDM\1. 8407 - FY17 CIP Sunset Park (West)\2. Design\5. Drawings\WO8407\01-Dwg\02-Sheets\8407 PH III-2.dwg Apr 09, 2020 - 11:11am



S32-T29S-R18E

0 25' 50'

SCALE - HORIZONTAL

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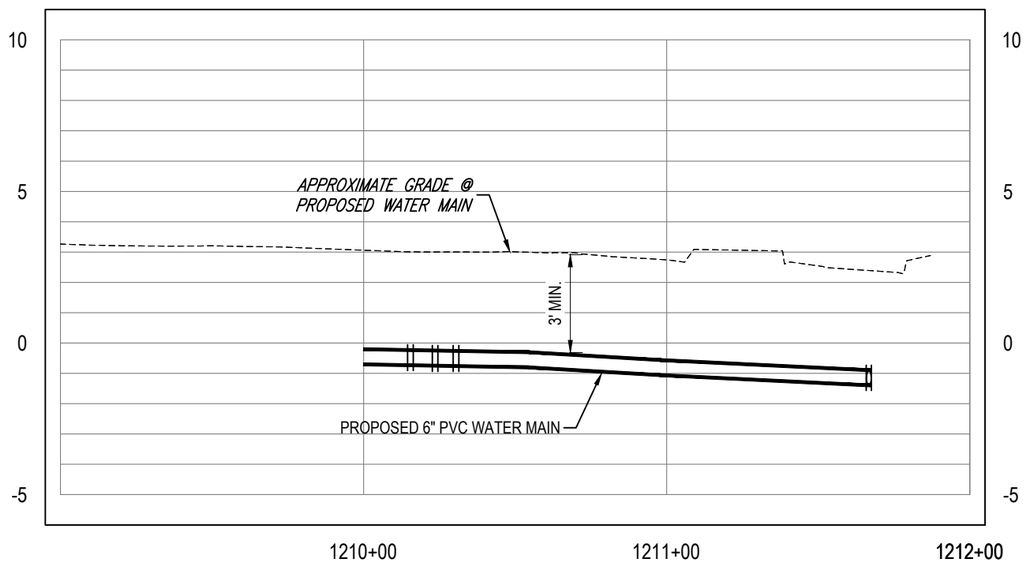

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306 E. JACKSON ST., 5E
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PLAN & PROFILE

City of Tampa Florida
Water Department

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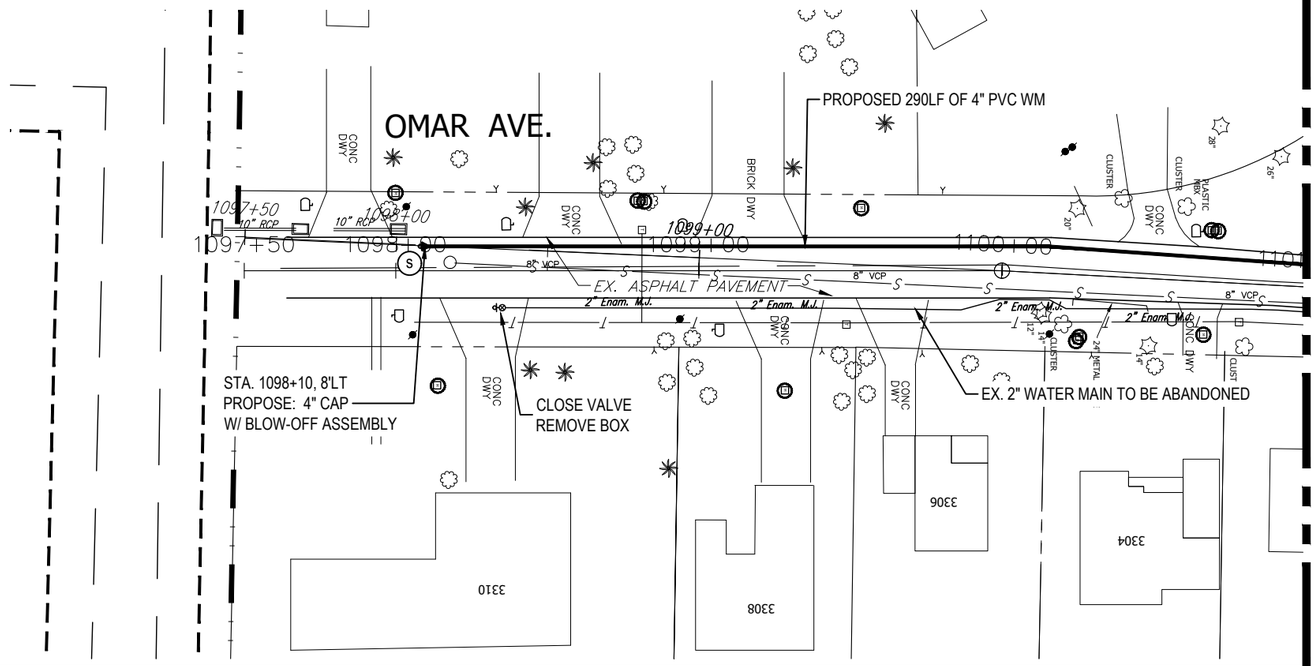
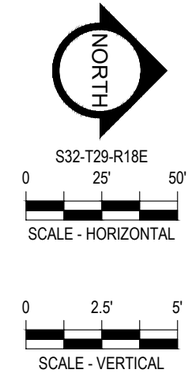
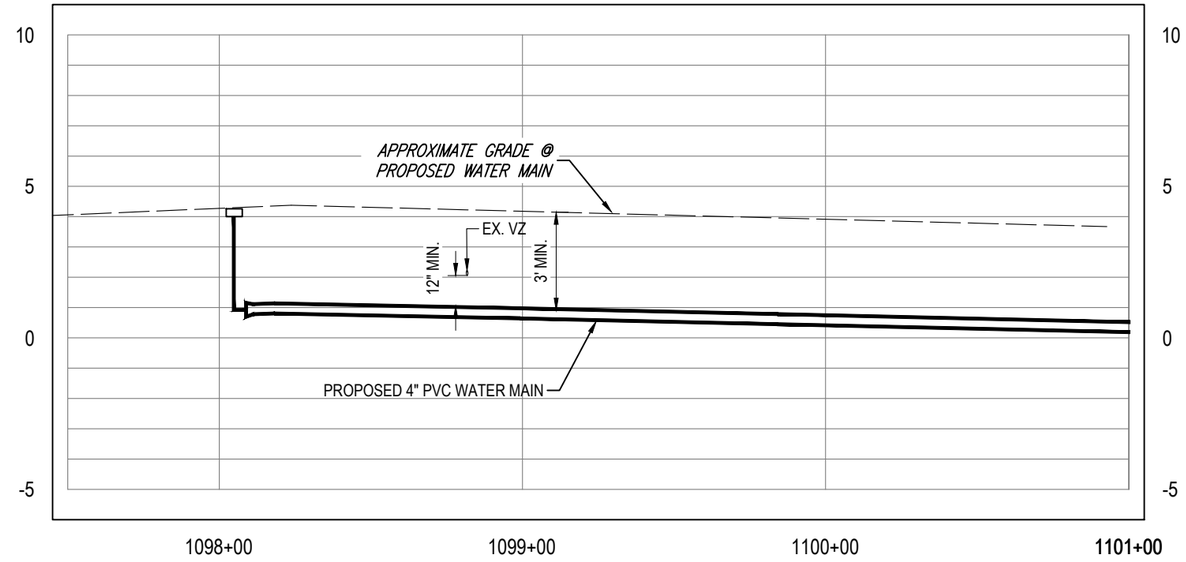


MATCHLINE - SEE SHEET 34





RORY A. JONES, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., 5E
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Water Department

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ATLAS PAGE K8-4 SHEET 33 OF 49

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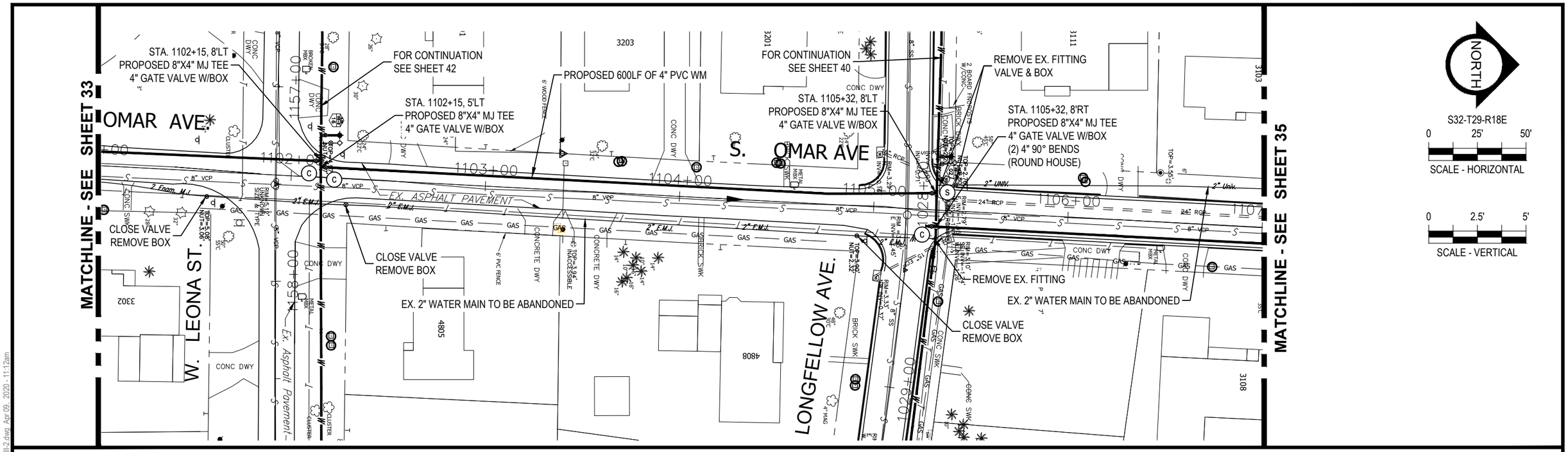

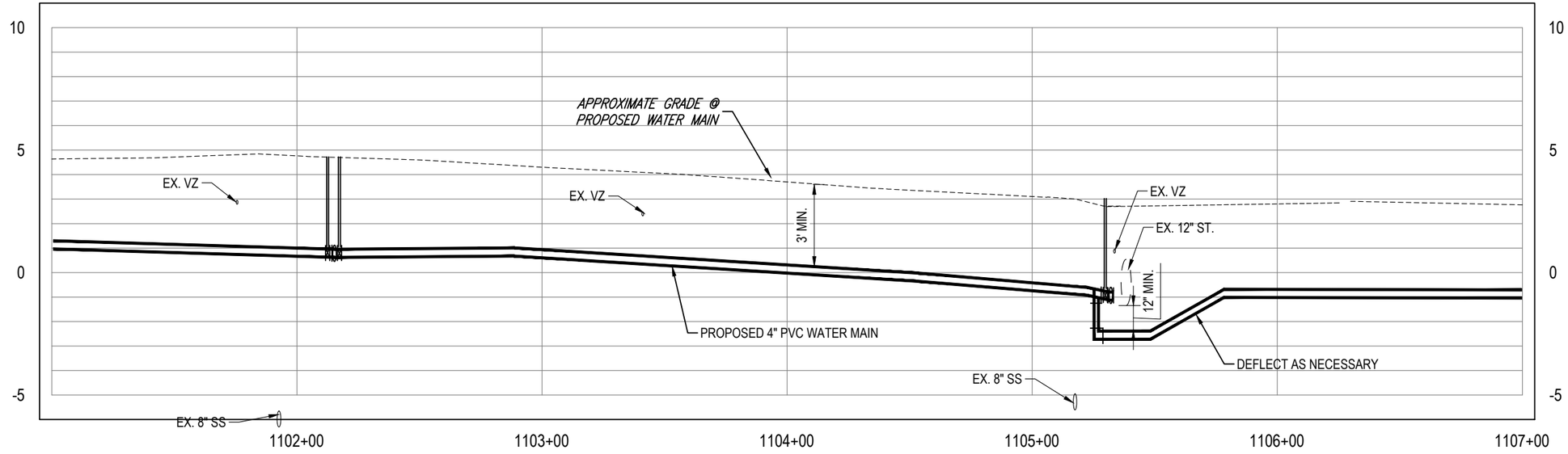

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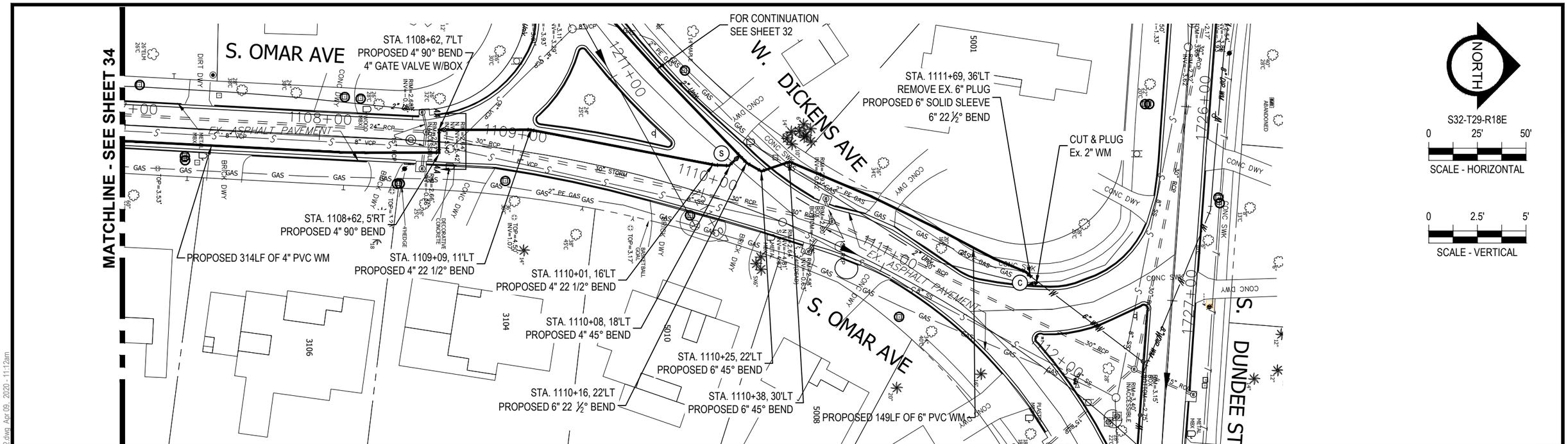

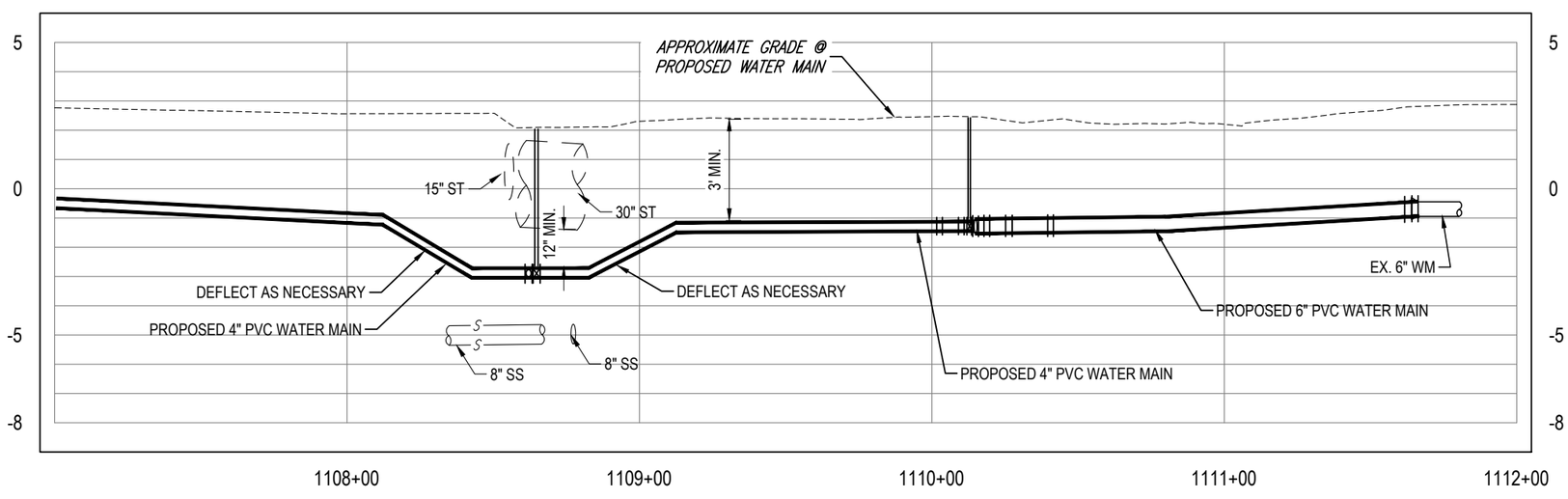

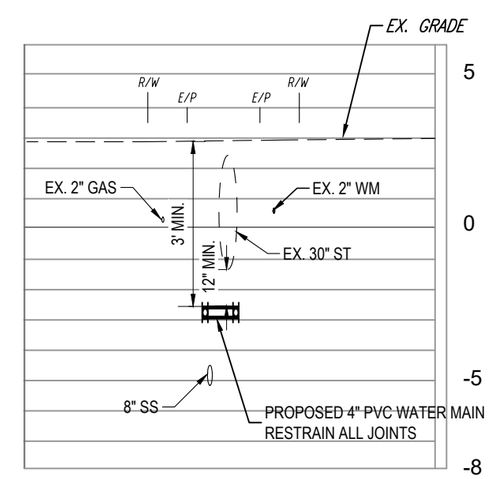

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RORY A. JONES, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., 5E
TAMPA, FLA. 33602
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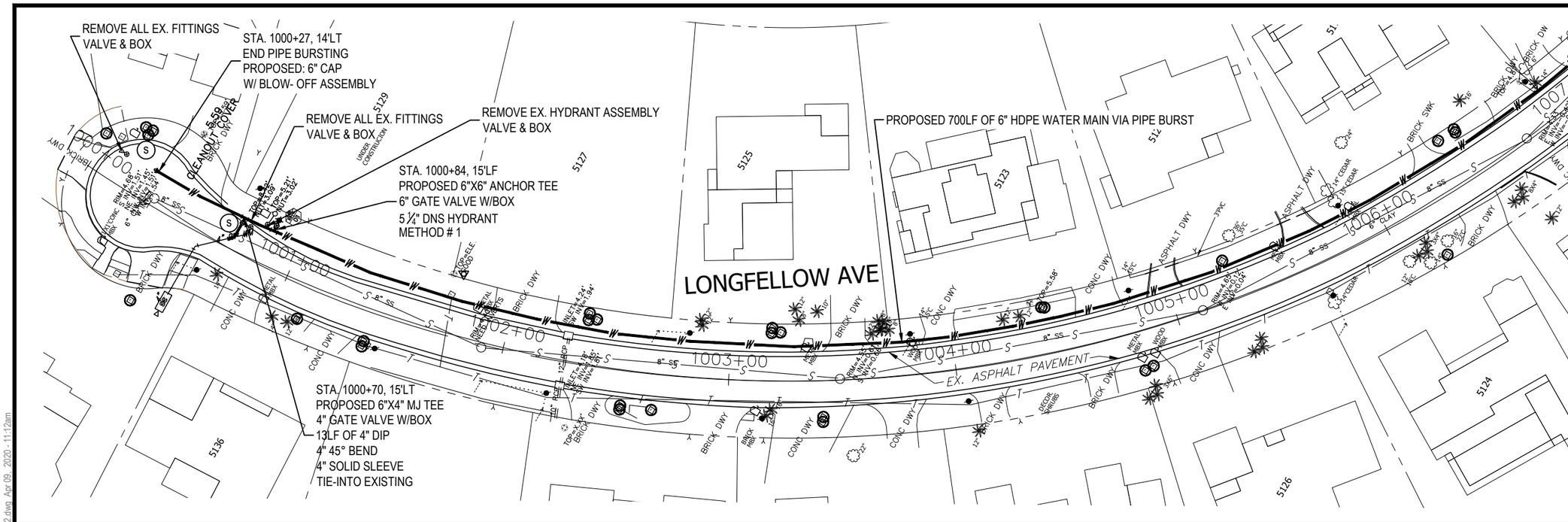


MATCHLINE - SEE SHEET 37

NORTH

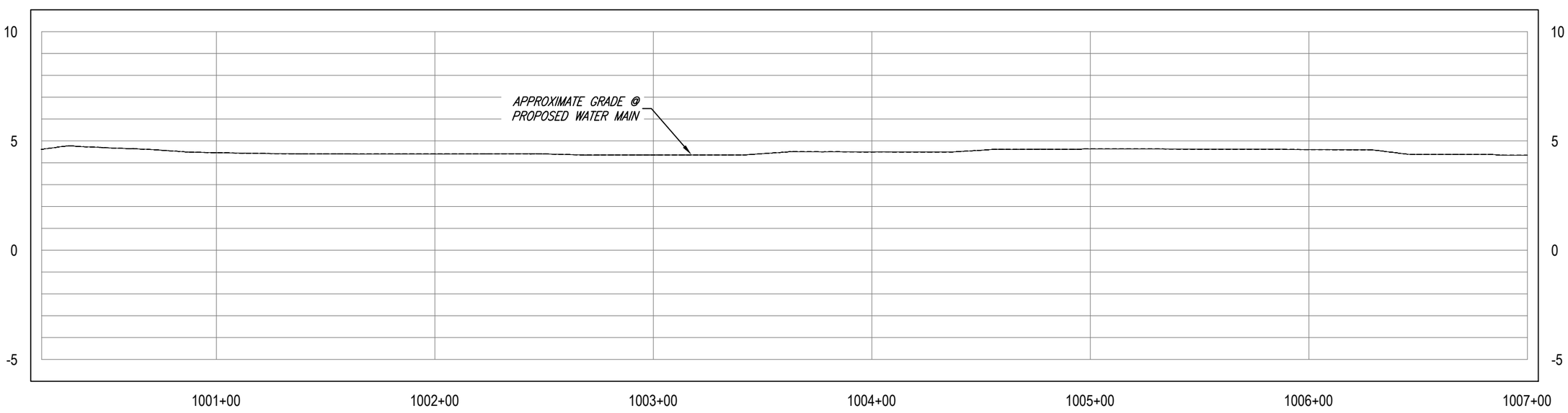
S-32-T-29-R18E

0 25' 50'

SCALE - HORIZONTAL

0 2.5' 5'

SCALE - VERTICAL



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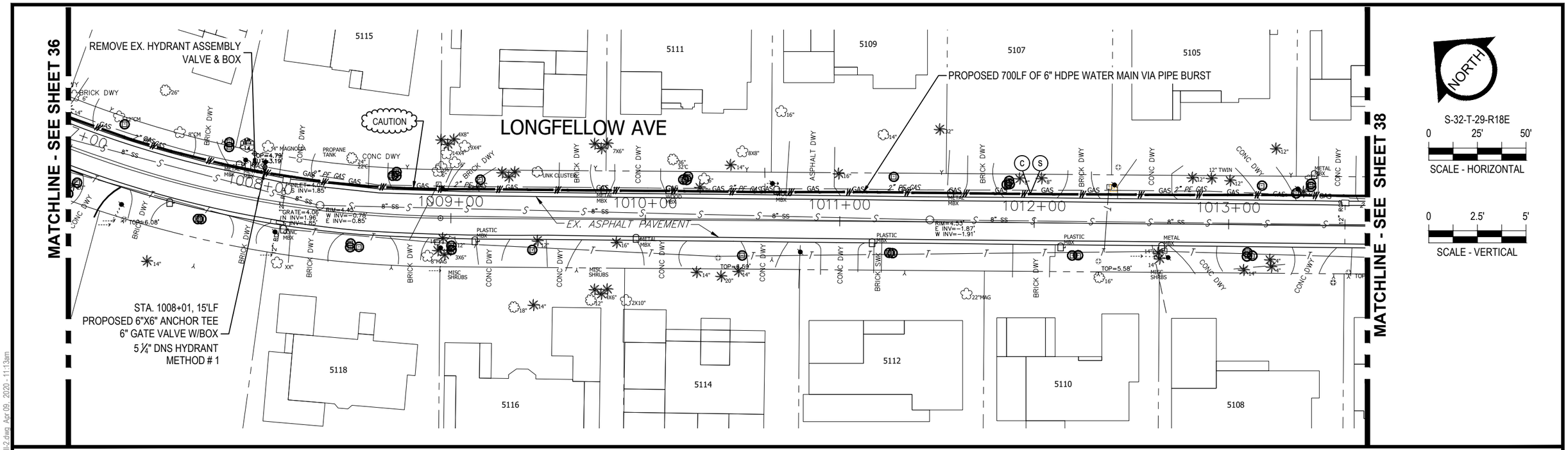

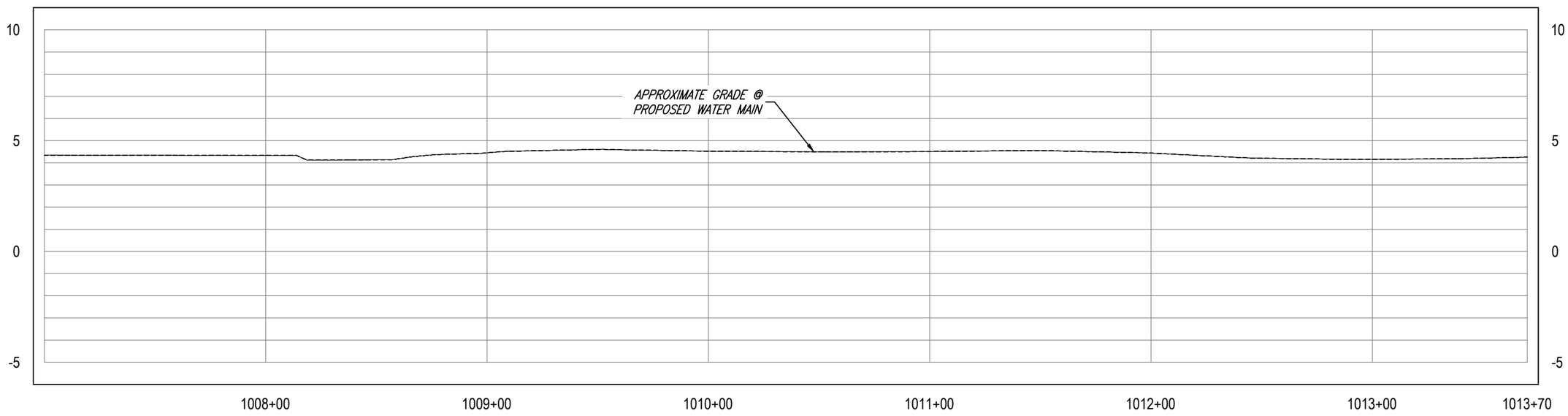

RORY A. JONES, P.E.
CITY OF TAMPA WATER DEPT.
306 E. JACKSON ST., 5E
TAMPA, FLA. 33602
P.E. #79453

REV NO.	DATE	DESCRIPTION	BY
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DESIGNED NPP
DRAWN JDM
CHECKED RAJ
DATE 10/01/2017

SUNSET PARK DISTRIBUTION
LINE REPLACEMENT (WEST)

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Water Department

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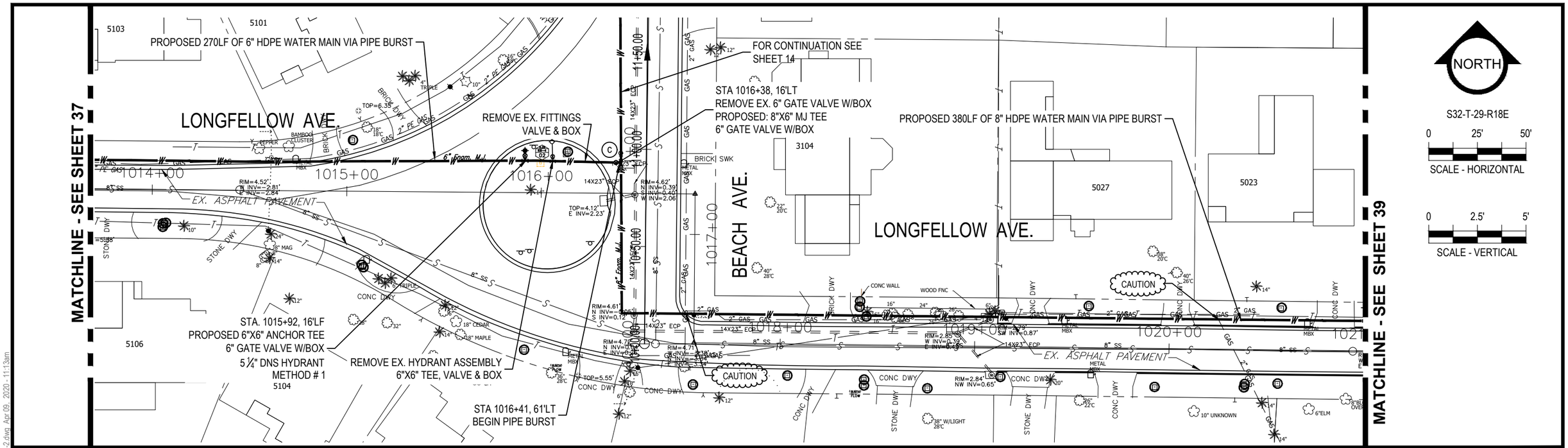
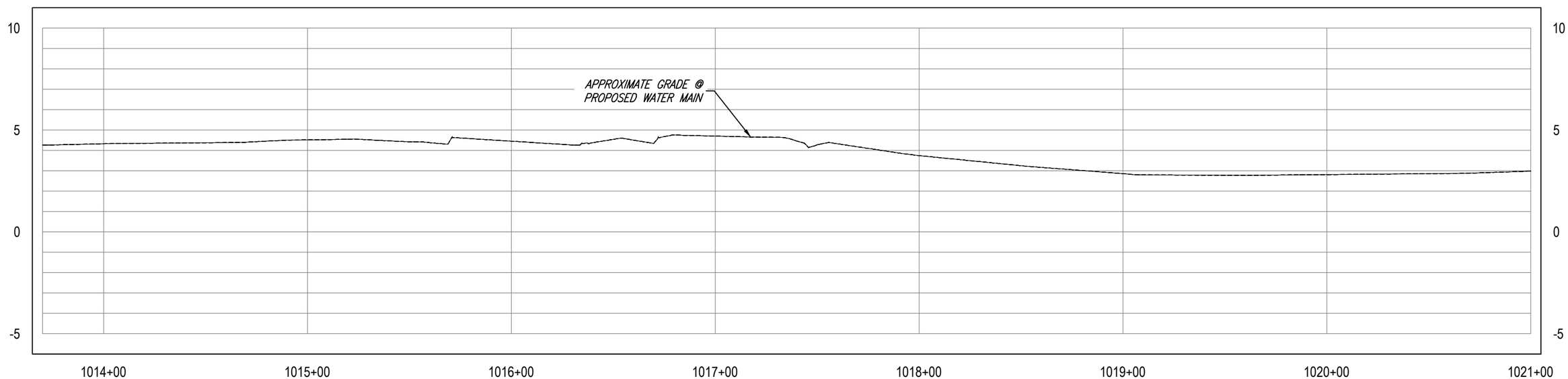
K:\Projects\Pre FY18 Projects\8407 - FY17 CIP Sunset Park (West)_NPP_JDM\1. 8407 - FY17 CIP Sunset Park (West)\2. Design\5. Drawings\WO8407\01-Dwg\02-Sheets\8407 PH III-2.dwg Apr 09, 2020 - 11:13am





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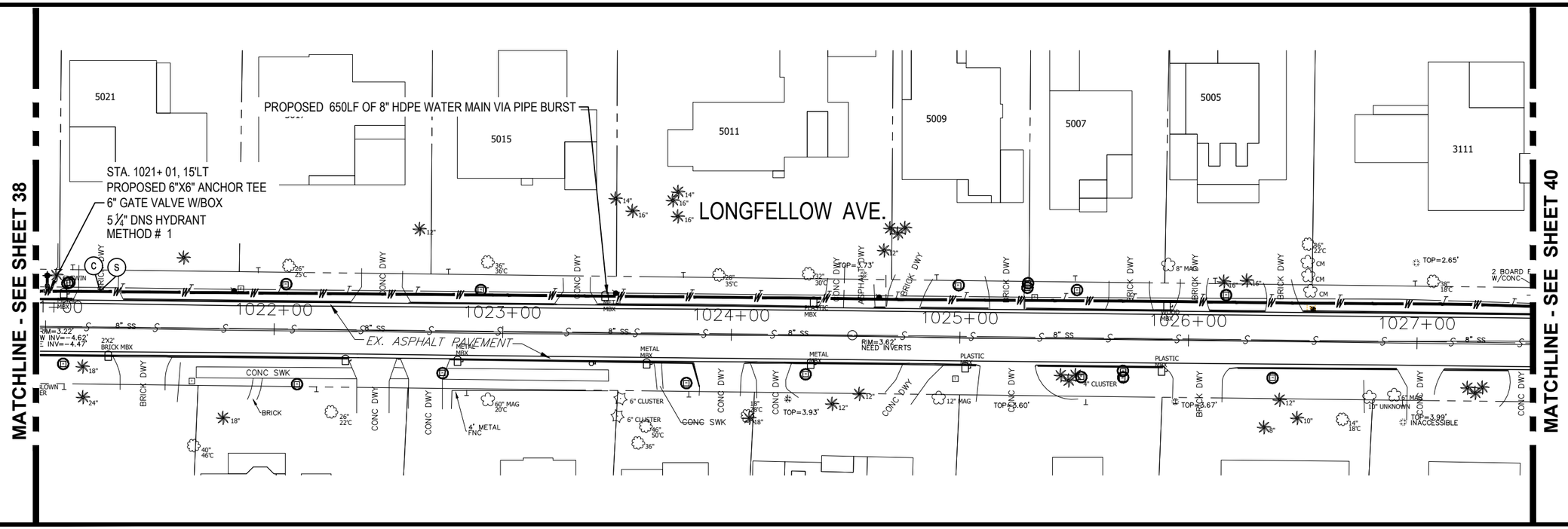


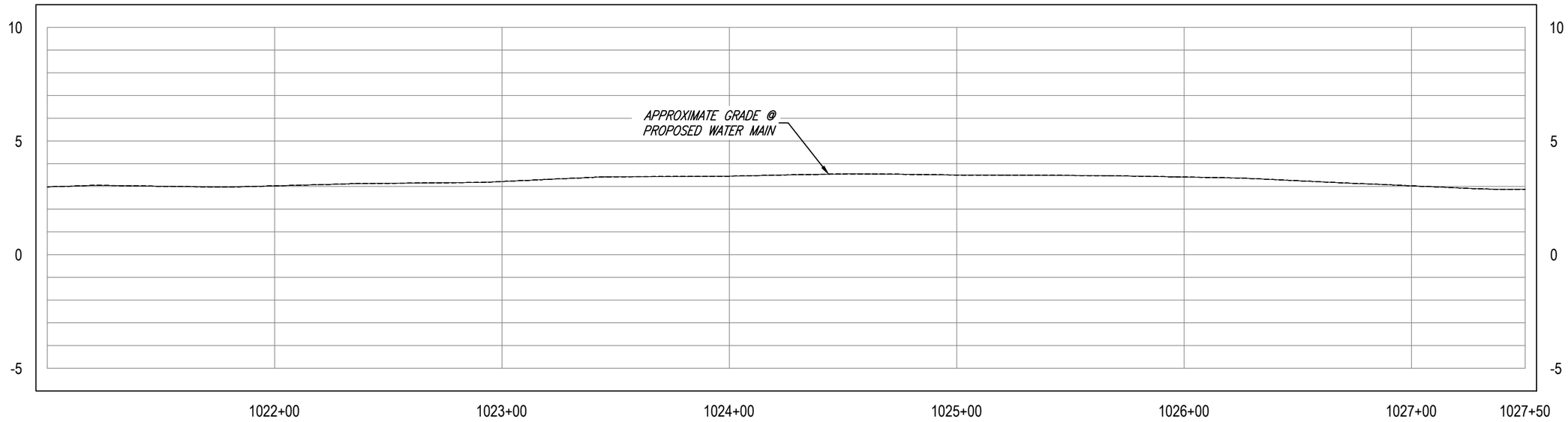
S32-T-29-R18E

0 25' 50'

SCALE - HORIZONTAL

0 2.5' 5'

SCALE - VERTICAL



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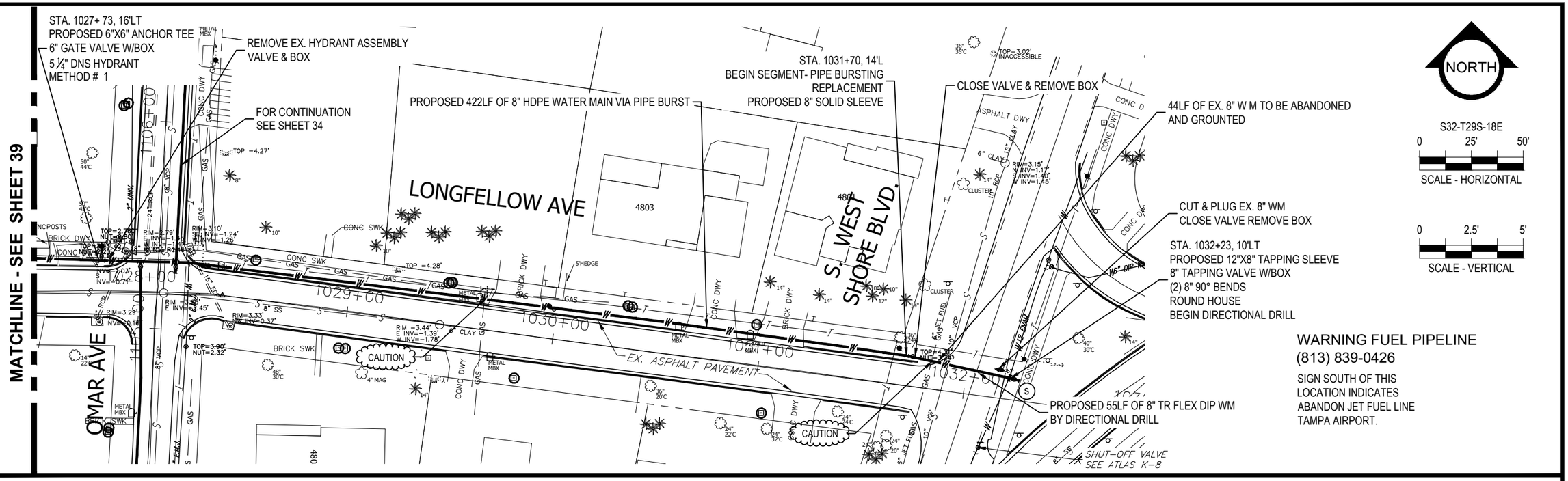

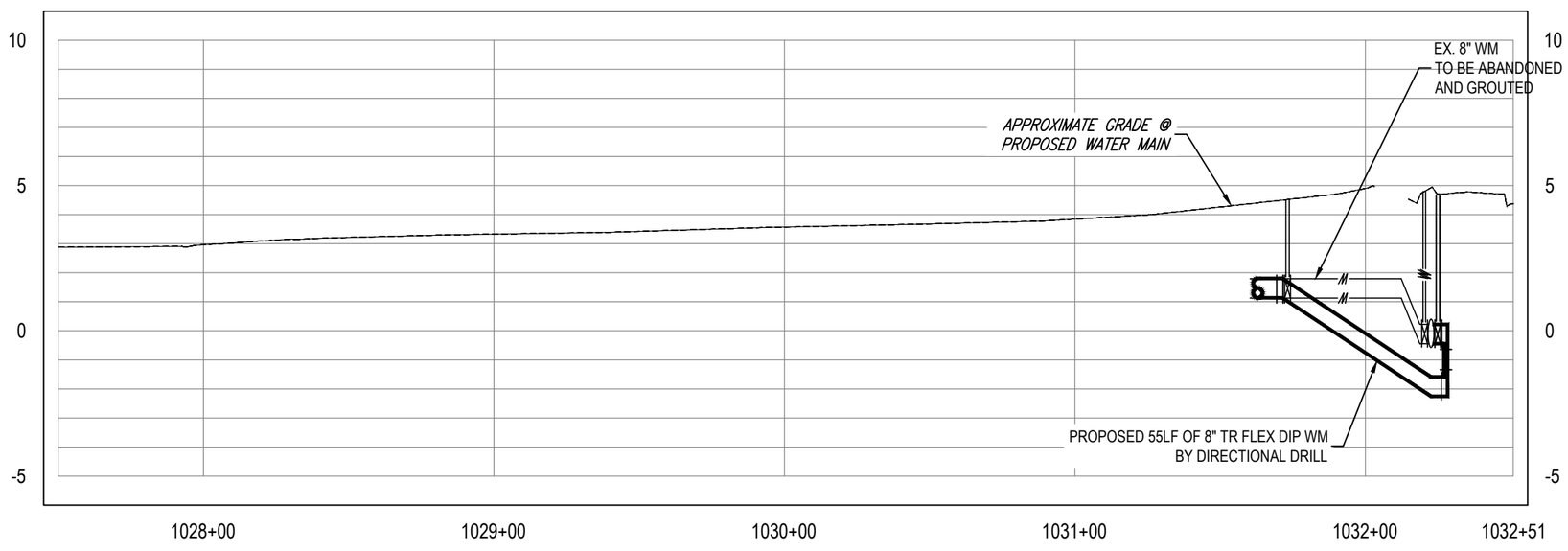

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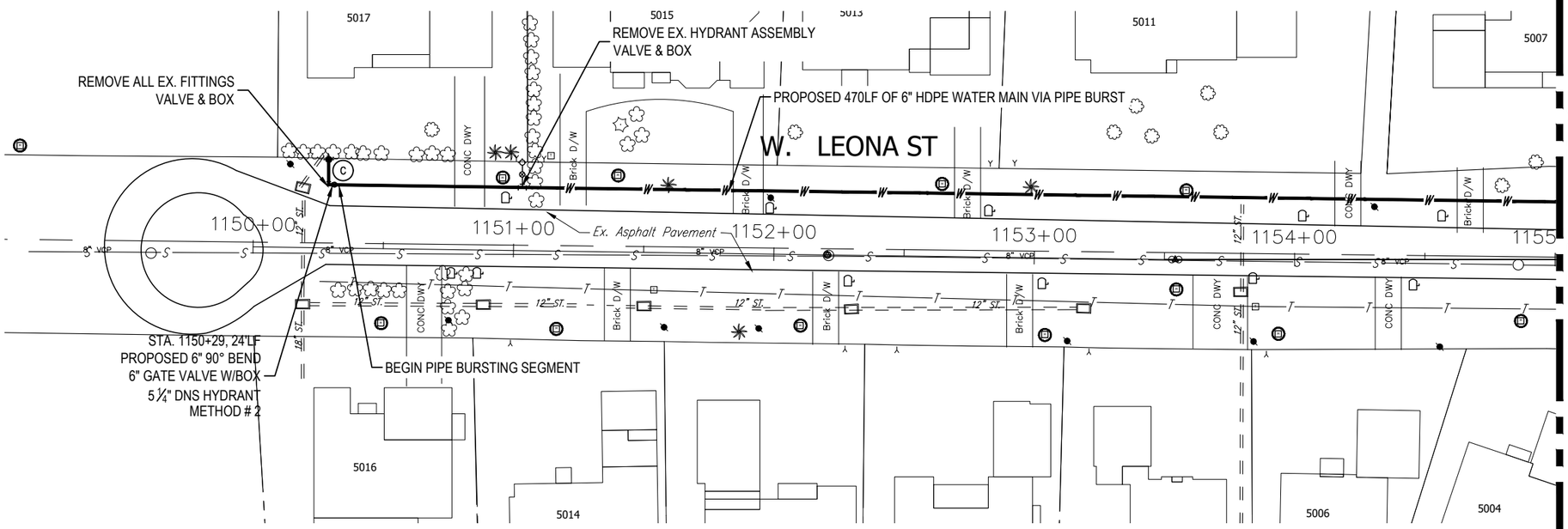


MATCHLINE - SEE SHEET 42

NORTH

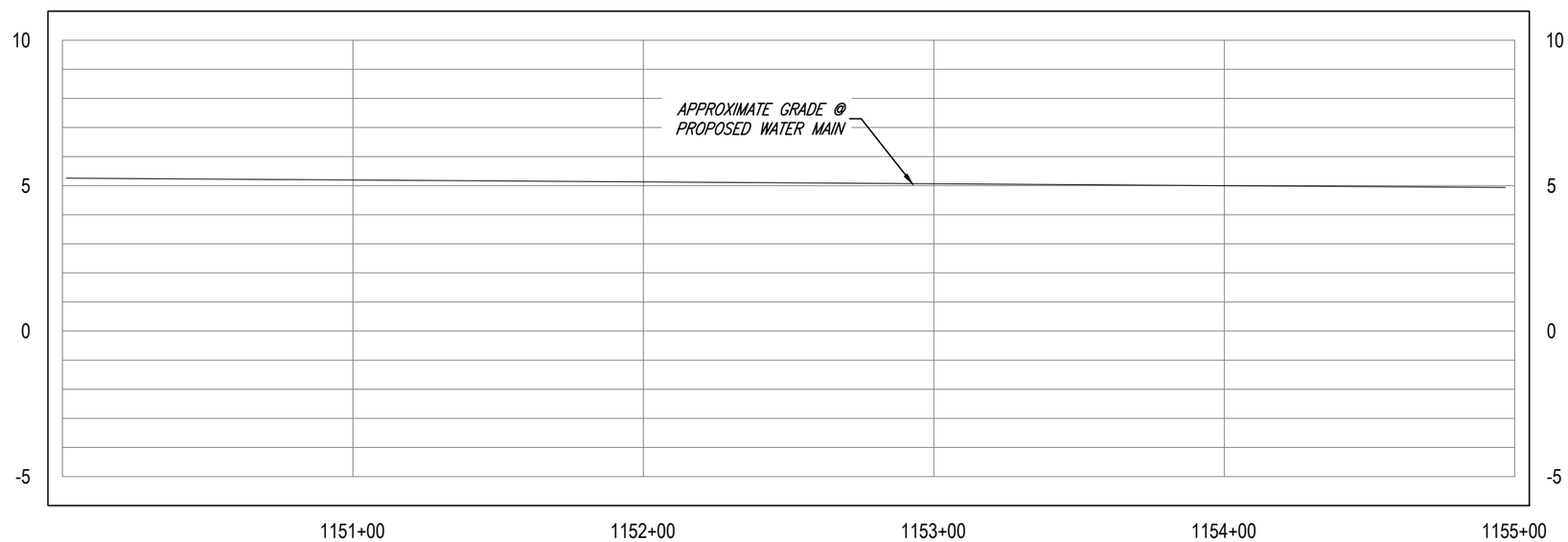
S32-T29S-18E

0 25' 50'

SCALE - HORIZONTAL

0 2.5' 5'

SCALE - VERTICAL



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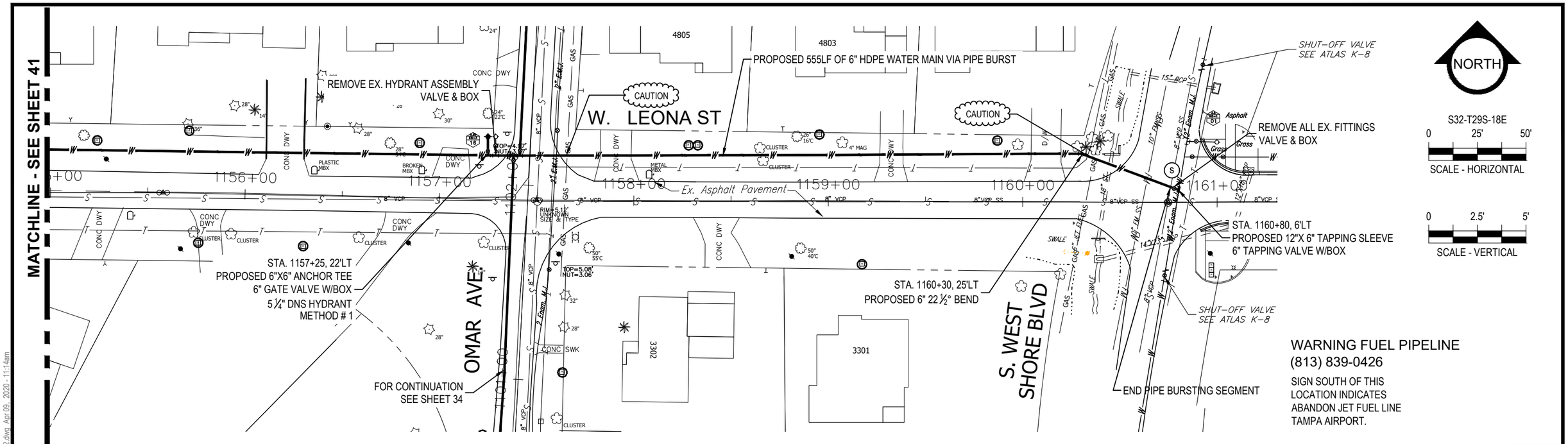

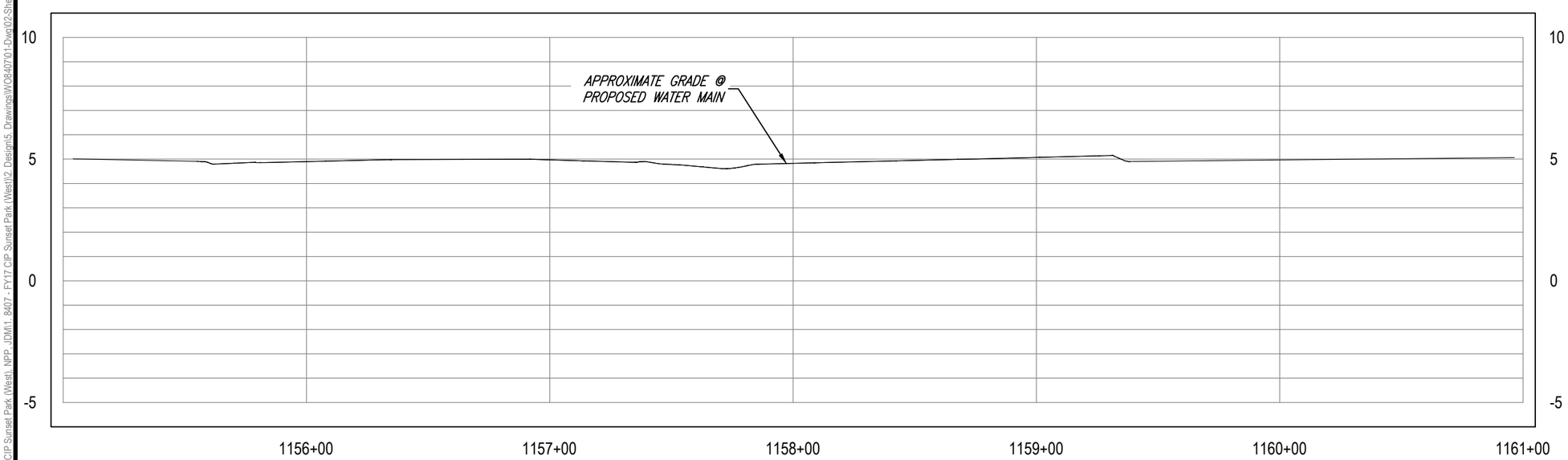

RORY A. JONES, P.E. CITY OF TAMPA WATER DEPT. 306 E. JACKSON ST., 5E TAMPA, FLA. 33602 P.E. #79453	REV NO.	DATE	DESCRIPTION	BY
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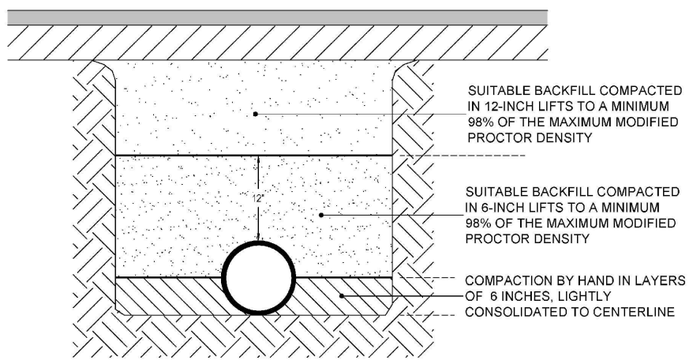
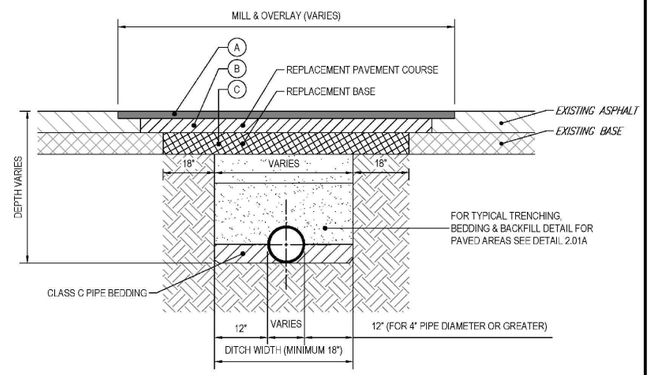


NOTES:

1. TRENCH IS DEFINED AS A FLAT-BOTTOM TRENCH. LIGHTLY CONSOLIDATE BACKFILL TO CENTERLINE OF PIPE.
2. 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.
3. 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.
4. NON-PERVIOUS AREAS SHALL MEAN ANY CONCRETE OR ASPHALT CURB, SIDEWALK, TRAIL, DRIVEWAY, OR ROADWAY.

City of Tampa Florida Water Department	LAST REVISION		
	NOV 2019	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)

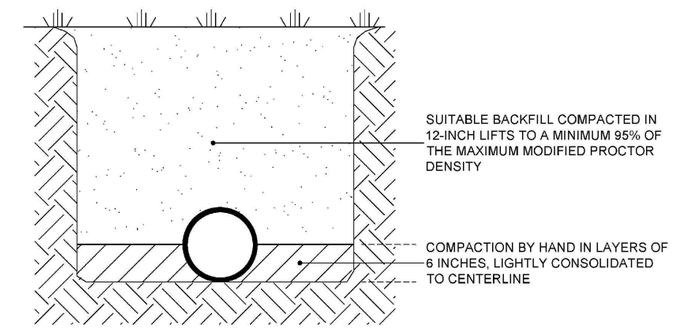
NOTES:

1. PAVEMENT SHALL BE MECHANICALLY SAWED.
2. CLASS I = RESIDENTIAL ROAD AND CLASS II = COLLECTOR/ARTERIAL ROAD.
3. THE MILL AND OVERLAY COURSE (A) SHALL BE 1" THICK AND FDOT TYPE SP 9.5 ASPHALT SHALL BE USED. LIFT TO BE ¾" MIN. AND 1 ½" 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)
4. 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 ¾" MIN. AND 1 ½" MAX. FOR SP 9.5 AND 1 ¼" MIN. TO 3" MAX. FOR SP 12.5.
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 LIMEROCK BEARING RATIO (LBR) 150 OR GREATER. GRADATION AND SIZE REQUIREMENTS SHALL CONFORM TO FDOT LATEST SPECIFICATIONS.

City of Tampa Florida Water Department	LAST REVISION		
	JAN 2020	STANDARD DETAIL FOR RESTORATION WITHIN COT ROADWAY - FLEXIBLE PAVEMENT	2.01B



NOTES:

1. TRENCH IS DEFINED AS A FLAT-BOTTOM TRENCH. LIGHTLY CONSOLIDATE BACKFILL TO CENTERLINE OF PIPE.
2. 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.
3. 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.
4. 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.

City of Tampa Florida Water Department	LAST REVISION		
	NOV 2019	TRENCHING, BEDDING, AND BACKFILL DETAIL FOR PERVIOUS (NON-PAVED) AREAS	2.02

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DRAWN	JDM
CHECKED	RAJ
DATE	10/01/2017

SUNSET PARK WEST

DETAILS

City of Tampa Florida Water Department

100% PLANS

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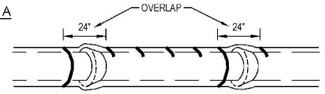
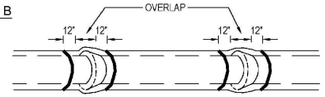
METHOD A



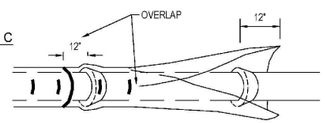
POLYETHYLENE TUBE IS CUT INTO LENGTHS APPROXIMATELY TWO FEET LONGER THAN THE PIPE SECTION AND PLACED AROUND IT. AFTER THE PIPE JOINT IS ASSEMBLED, THE POLYETHYLENE TUBE IS MADE TO OVERLAP THE JOINT AND THE OVERLAP SECURED IN PLACE. SINCE THE TUBE IS CONSIDERABLY LARGER THAN THE BARREL OF PIPE, IT IS 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 PRECEEDING SECTION IS THEN PULLED IN PLACE OVER THE JOINT AFTER ASSEMBLY AND SECURED.

METHOD C

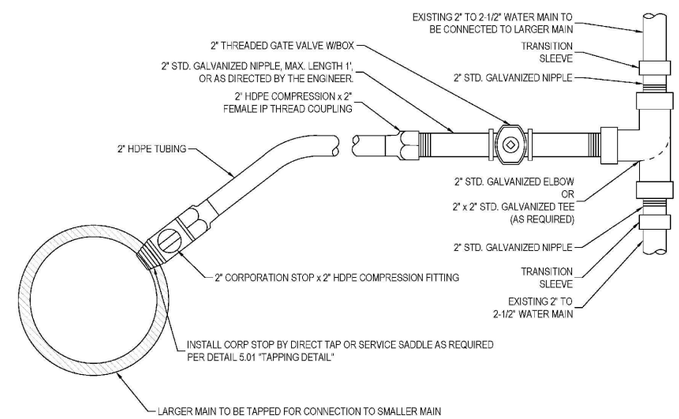


POLYETHYLENE SHEET IS CUT TO A LENGTH TWO FEET LONGER THAN THE PIPE SECTION. THE SHEET IS WRAPPED AROUND THE PIPE SO THAT IT OVERLAPS CIRCUMFERENTIALLY OVER THE TOP QUADRANT OF THE PIPE, THEN SECURED. AFTER JOINT ASSEMBLY, THE SURPLUS LENGTH OF POLYETHYLENE FILM IS SECURED AROUND THE JOINT, PROVIDING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

NOTES:

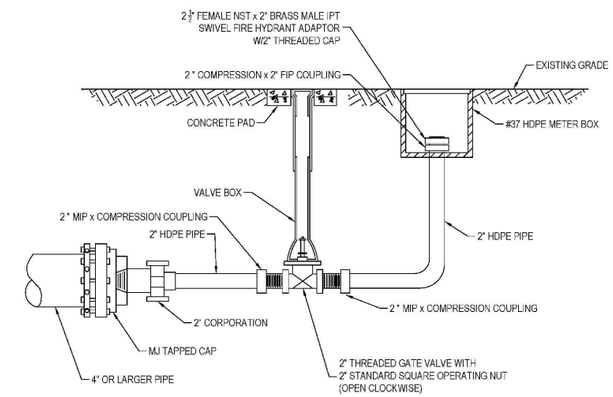
1. USE BLUE POLYETHYLENE FILM AND TAPE ONLY.
2. POLYETHYLENE FILM SHALL BE A MINIMUM OF 8 MIL. THICKNESS.
3. SPIRAL WRAP NOT REQUIRED WITH POLYWRAP.

City of Tampa Florida Water Department	LAST REVISION JUL 2018	POLYETHYLENE ENCASEMENT INSTALLATION DETAIL	2.05



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

City of Tampa Florida Water Department	LAST REVISION JUL 2018	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.

City of Tampa Florida Water Department	LAST REVISION JUL 2018	BLOW-OFF VALVE ASSEMBLY FOR ≥ 4" MAINS W/DI, CI OR PVC PIPE	2.17A

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SUNSET PARK WEST

DETAILS

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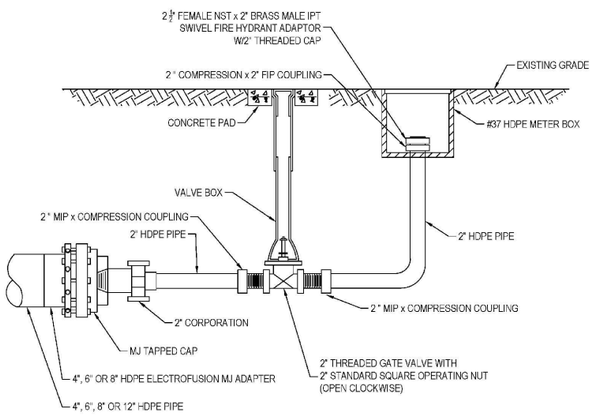
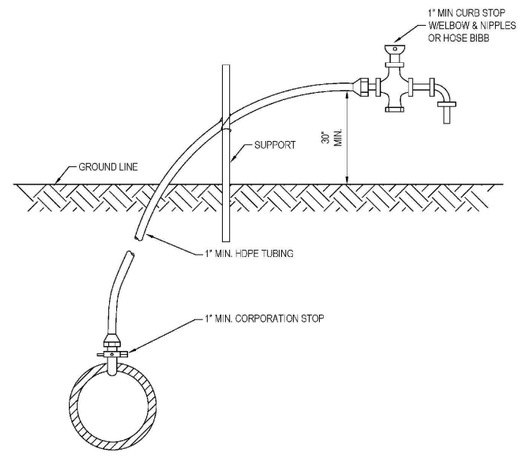


BLOW-OFF FOR ≥ 4" MAINS

NO GALVANIZED PIPES OR FITTINGS ALLOWED.
SCHEDULE 80 PVC ALLOWED.

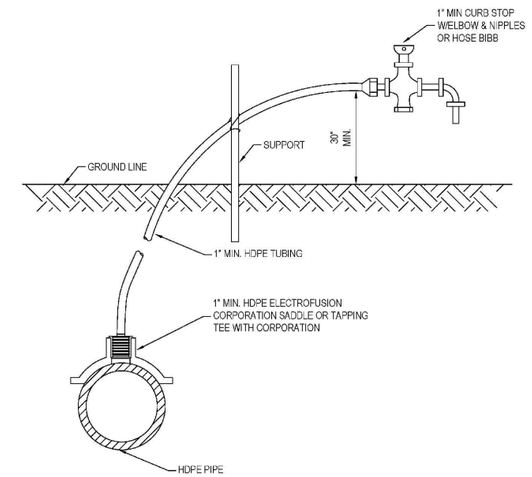
City of Tampa Florida Water Department	LAST REVISION JUL 2018	BLOW-OFF VALVE ASSEMBLY ON ≥ 4" HDPE PIPE	2.17B



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.

City of Tampa Florida Water Department	LAST REVISION JUL 2018	TEMPORARY SAMPLE TAP INSTALLATION W/DI, CI, OR PVC PIPE	2.18A



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 PLUGGED AFTER OPERATION.

City of Tampa Florida Water Department	LAST REVISION JUL 2018	TEMPORARY SAMPLE TAP INSTALLATION W/HDPE PIPE	2.18B

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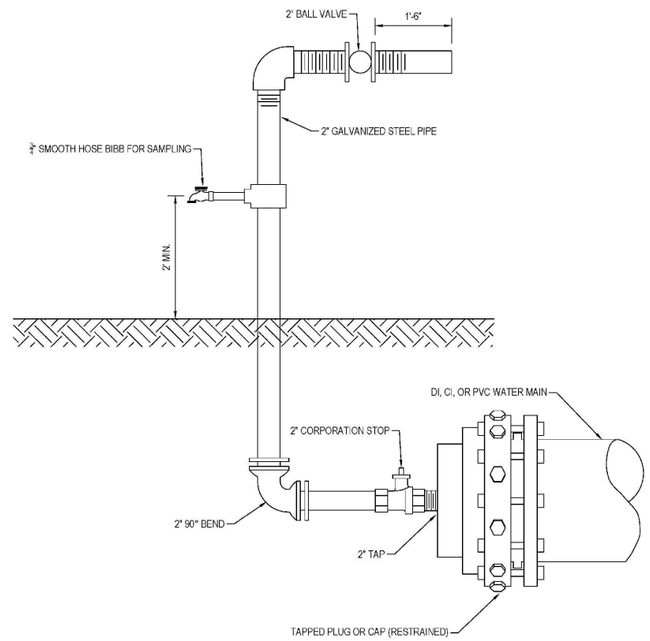
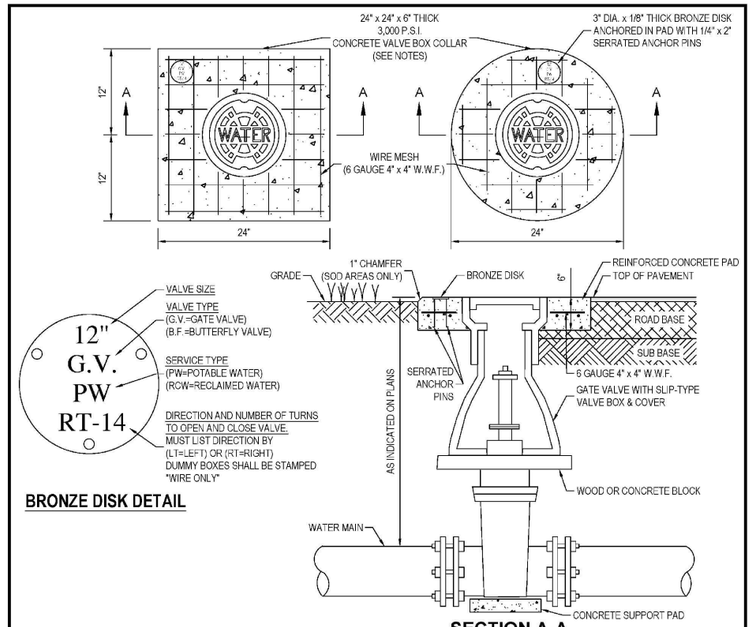


NOTES:

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

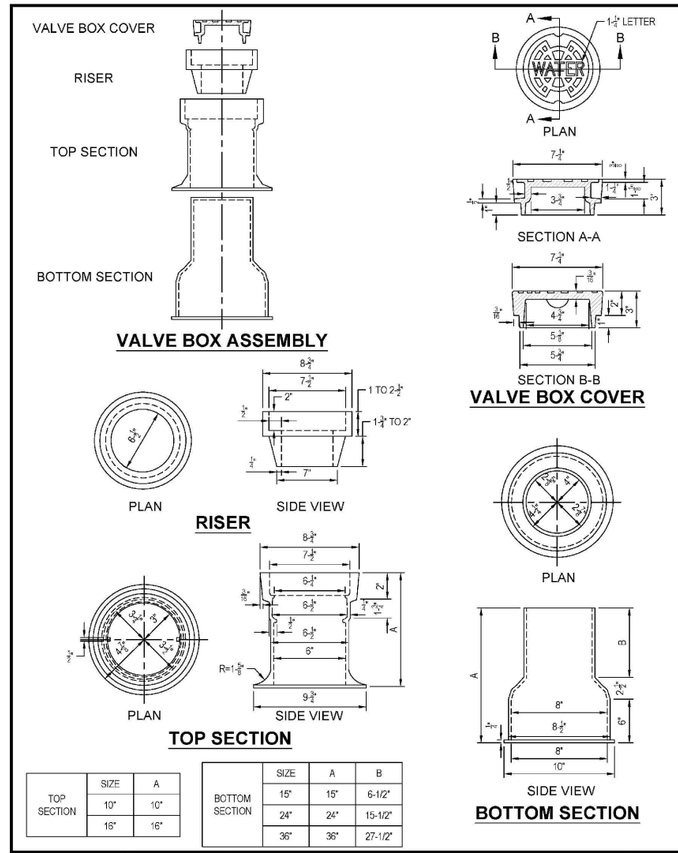
City of Tampa Florida Water Department	LAST REVISION JUL 2018	TEMPORARY SAMPLE TAP INSTALLATION FOR END OF LINE W/DI, CI, OR PVC PIPE	2.19A



NOTES :

1. CIRCULAR OR SQUARE CONCRETE PAD REQUIRED FOR ALL VALVE BOX INSTALLATIONS.
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.

City of Tampa Florida Water Department	LAST REVISION JUL 2018	VALVE INSTALLATION W/VALVE BOX & PAD FOR DI OR CI PIPE	3.01



TOP SECTION	SIZE	A
	10"	10"
	16"	16"

BOTTOM SECTION	SIZE	A	B
	15"	15"	6-1/2"
	24"	24"	15-1/2"
	36"	36"	27-1/2"

City of Tampa Florida Water Department	LAST REVISION JUL 2018	VALVE BOX, SLIP TYPE	3.04

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DESIGNED NP
DRAWN JDM
CHECKED RAJ
DATE 10/01/2017

SUNSET PARK WEST

DETAILS

City of Tampa Florida Water Department

100% PLANS

WORK ORDER NO. 8407

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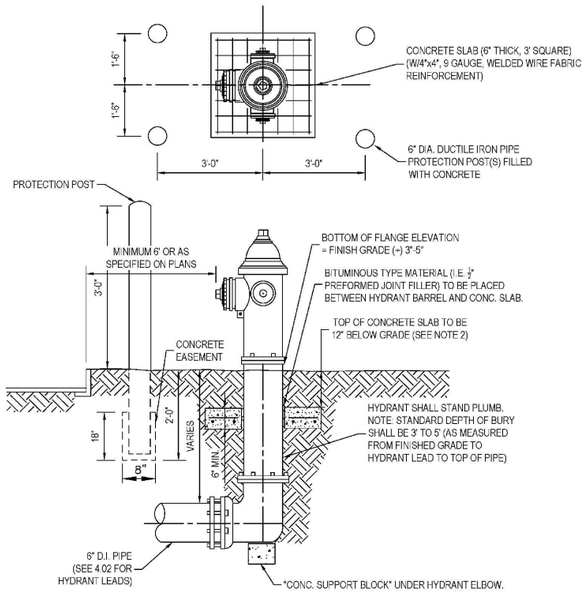
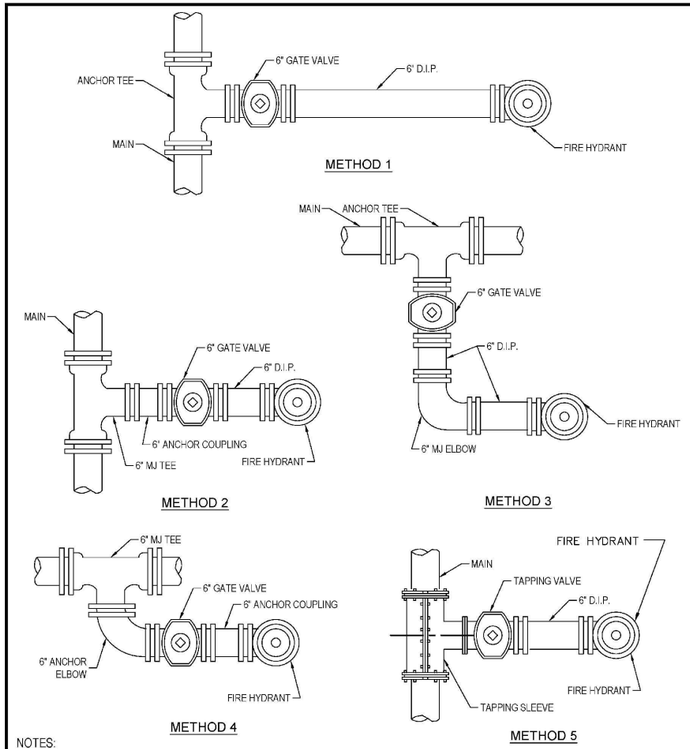


NOTES:

1. 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.
2. 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.
3. THRUST RESTRAINT FOR HYDRANT:
   a) HYDRANT SHALL BE FIRMLY SUPPORTED UNDER ELBOW IN ALL METHODS BY SUPPORT BLOCK
   b) ALL BACKFILL SHALL BE THOROUGHLY COMPACTED UNDER SUPPORT BLOCK AND UNDER THRUST COLLAR
   c) ALL HYDRANT LEADS SHALL BE RESTRAINED BY MEGALUGS OR EQUIVALENT MECHANICAL RESTRAINTS
4. PROTECTION POSTS ARE REQUIRED WHEN HYDRANT IS LESS THAN 6 FEET FROM EDGE OF PAVEMENT, OR AS DIRECTED BY THE ENGINEER.
5. FOR PVC MAINS, INSTALL CONCRETE SUPPORT BLOCK UNDER ALL HYDRANT TEES.

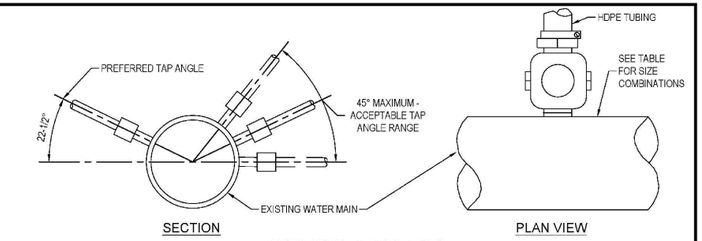
City of Tampa Florida Water Department	LAST REVISION JUL 2018	FIRE HYDRANT INSTALLATION	4.01



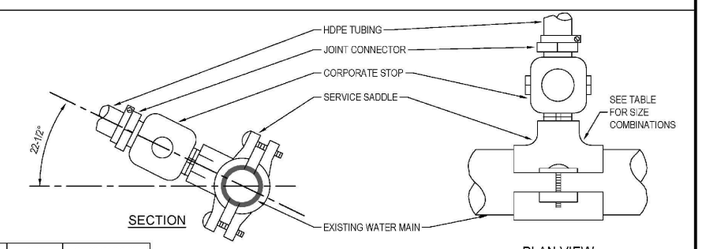
NOTES:

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

City of Tampa Florida Water Department	LAST REVISION JUL 2018	FIRE HYDRANT METHODS OF INSTALLATION	4.02



DIRECT TAP DETAIL



SADDLE TAP DETAIL

PIPE	SIZE	CORP. TAP SIZE	
		1"	2"
DI/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
	2"-SDR21	SS	NA
OTHER*	12"	SS	SS
	10"	SS	SS
	8"	SS	SS
	6"	SS	SS
	4"	SS	NA
	3"	SS	NA
	2", 2-1/2"	SS	NA

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

City of Tampa Florida Water Department	LAST REVISION JUL 2018	TAPPING DETAIL FOR 3/4", 1", 1-1/2" & 2" W/DI, CI, OR PVC PIPE	5.01A

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DESIGNED NP
DRAWN JDM
CHECKED RAJ
DATE 10/01/2017

SUNSET PARK WEST

DETAILS

City of Tampa Florida Water Department

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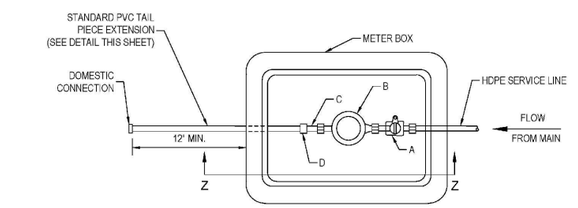
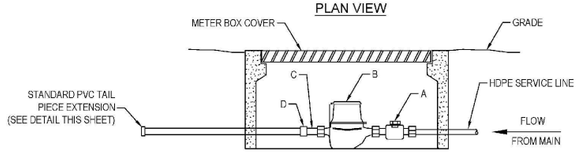
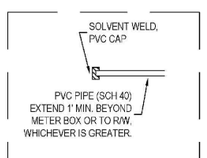


PLAN VIEW



SECTION Z-Z

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

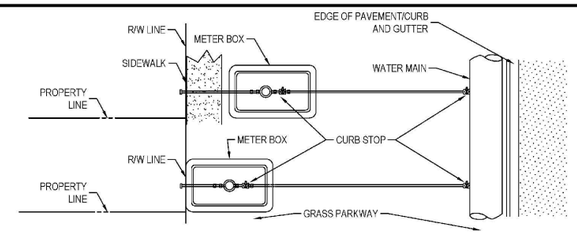


STD. TAIL PIECE EXTENSION

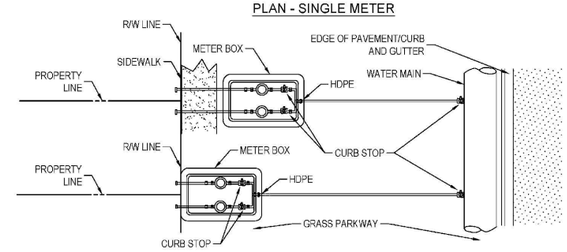
* ALL PVC PIPE AND FITTINGS SHALL BE SCH 80 EXCEPT FOR STANDARD TAIL PIECE SECTION WHICH WILL BE SCH 40.

NOTE: PARTS LIST IS FOR STANDARD INSTALLATION; ACTUAL PARTS REQUIRED MAY VARY AS DIRECTED BY THE ENGINEER.

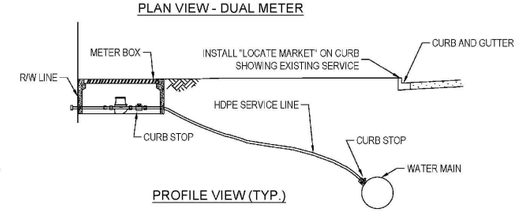
City of Tampa Florida Water Department | LAST REVISION JUL 2018 | SINGLE METER SET DETAIL 3/4", 1", 1-1/2", 2" | 5.02



PLAN - SINGLE METER



PLAN VIEW - DUAL METER



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

PROFILE VIEW (TYP.)

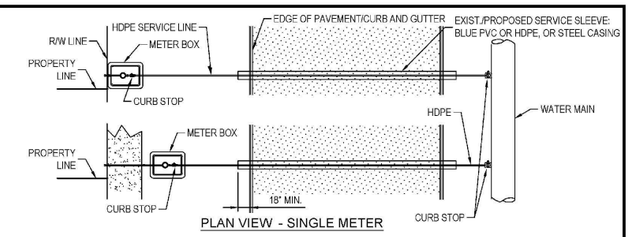
* LINE SIZE APPLICABLE FOR DDCVA

SINGLE METER SIZE (INCHES)	SERVICE LINE SIZE (INCHES) (0-15')
3/4	1
1	1
1 1/2	2
2*	2

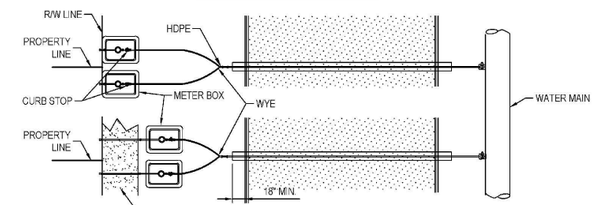
DUAL METER SIZE (INCHES)	SERVICE LINE SIZE (INCHES) (0-15')
3/4	2
1	2
1 1/2	N/A
2*	N/A

(FEET REFER TO DISTANCE FROM WATER MAIN TO METER)

City of Tampa Florida Water Department | LAST REVISION JUL 2018 | SINGLE & DUAL METERED SERVICE - SHORT SIDE 3/4", 1", 1-1/2" & 2" | 5.04A

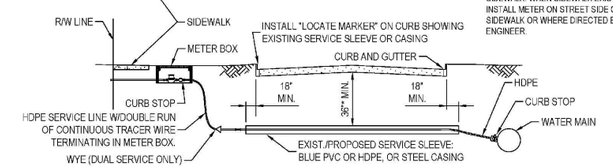


PLAN VIEW - SINGLE METER



PLAN VIEW - DUAL METER

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



PROFILE VIEW (TYP.)

CASING SPECIFICATION:
1. IF PUSHED-SCH 40 STEEL PIPE (MIN.)
2. IF LAYED IN OPEN TRENCH-SCH 40 STEEL PIPE OR SCH 80 PVC SOLVENT WELD PIPE.
3. IF USING HDPE TUBING (UP TO 2")-SDR-9 200 PSI, TYPE III, COLOR AND UV CODE E, CLASS C, PE 4710, AWWA C-901, NSF-61, MIN. CELL CLASSIFICATION OF PE 454474 E
4. IF USING HDPE PIPE (4" OR LARGER)-DR-11 160 PSI, PE 4710, AWWA C-906, NSF-61, MIN. CELL CLASSIFICATION OF PE 454474 C. EXTERIOR COLOR TO BE SOLID BLUE OR BLACK W/BLUE STRIPES (90 OR 120 DEGREES APART)

SINGLE METER SIZE (INCHES)	SERVICE LINE SIZE (INCHES)		CASING SIZE (INCHES)
	(15'-80')	(80'-150')	
3/4	1	2	2 / 4
1	1	2	4
1 1/2	2	2	4
2**	4" D.I.P.	4" D.I.P.	12

(FEET REFER TO DISTANCE FROM WATER MAIN TO METER)

* OR GREATER, IF REQUIRED BY ROW CONTROLLING AGENCY
** LINE SIZES APPLICABLE FOR 2" DDCV

DUAL METER SIZE (INCHES)	SERVICE LINE SIZE (INCHES)		CASING SIZE (INCHES)
	(15'-80')	(80'-150')	
3/4	2	2	4
1	2	4" D.I.P.	4 / 12
1 1/2	N/A	N/A	N/A
2*	N/A	N/A	N/A

City of Tampa Florida Water Department | LAST REVISION SEP 2019 | SINGLE & DUAL METERED SERVICE - LONG SIDE 3/4", 1", 1-1/2" & 2" | 5.05A

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SUNSET PARK WEST

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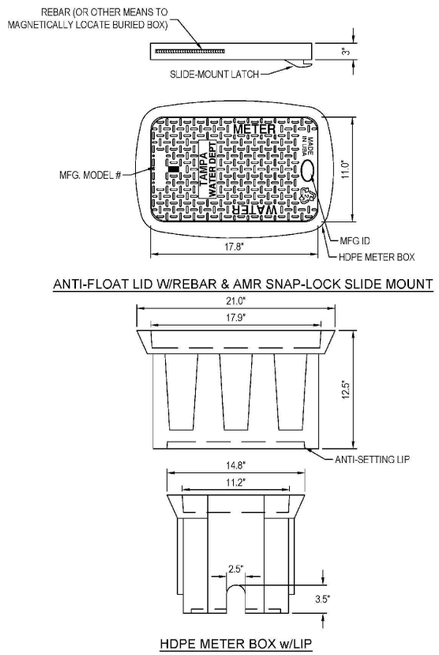
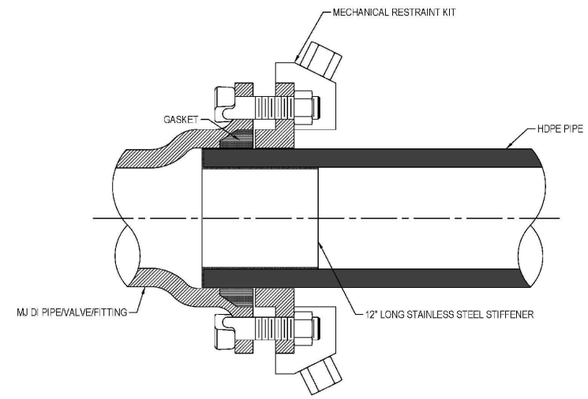


#37 HDPE METER BOX W/COVER

N.T.S.

City of Tampa Florida Water Department	LAST REVISION		
	JUL 2018	3/4" OR 1" SINGLE SERVICE HDPE METER BOX	5.10



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.

City of Tampa Florida Water Department	LAST REVISION		
	MAR 2020	HDPE PIPE TO DI MJ FITTING TRANSITION (4" OR LARGER)	8.03

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