

**ADDENDUM #2
FORMAL BID 2022-104**

**KITSAP COUNTY PUBLIC WORKS WASTEWATER DIVISION
BANGOR-KEYPORT FORCE MAIN REPLACEMENT**

March 21st, 2022

TO: All Respondents
FROM: Glen McNeill, Buyer
CLOSING DATE: **March 30, 2022 at 3:00 PM (CHANGED PER ADDENDUM #1)**
REF NO.: Bangor-Keypoint Force Main Replacement
DATE: March 21st, 2022

The purpose of this addendum is to modify the Contract Documents for the referenced project. This addendum shall become a part of these Contract Documents. Bidder shall acknowledge receipt of this 9 page addendum (including attachments) on the Bid Form.

VOLUME 1 OF 2 OF THE CONTRACT DOCUMENTS IS MODIFIED AS FOLLOWS:

TABLE OF CONTENTS

WSDOT DIVISION 1 – SPECIAL PROVISIONS

Item 1. REVISE Item 6. in Section 1-04.3(1) to read as follows:

6. Submittals
 1. Submittal Plan and Schedule
 2. Priority or Long Lead Time Material Submittals
 3. Priority Technical Submittals
 - a. Dewatering Plan(s)
 - b. Erosion Control Plan(s)
 - c. Sheeting, Shoring, and Bracing Plan(s)
 - d. Spill Prevention, Control, and Countermeasures Plan
 - e. Temporary Sewage Bypass Plan(s)
 - f. Construction Sequencing Plan(s)

TECHNICAL SPECIFICATIONS

Item 2. REVISE 2.01B in Section 01 59 00 to read as follows:

B. Acceptable manufacturers:

- 1. Godwin Pumps
- 2. Rain for Rent
- 3. Sunbelt
- 4. Screwsucker
- 5. Xylem

~~6. Approved Equal~~

6. United Rentals Inc.

7. Approved Equal

Item 3. REVISE 3.04C 2.e in Section 09 96 00 to read as follows:

Interior concrete surfaces of valve flow meter and Air/Vac vault

Item 4. REMOVE 3.01I in Section 22 13 00.

Item 5. ADD the following row to the table in 2.01A in Section 22 13 10:

Fittings	See Drawings	11	160 psi	445474
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Item 6. ADD the following to 2.02B in Section 22 13 12:

For buried applications, exterior coating shall be asphaltic exterior coating in accordance with AWWA standard C151. For exposed pipe applications, coating shall be per Section 09 96 00, coating system B.

Item 7. ADD the following to 2.03B in Section 22 13 12:

Flanged connections shall utilize bolts and nuts of low-carbon steel conforming to ASTM A307 as specified in the Appendix of AWWA C110 and C115.

VOLUME 2 OF 2 OF THE CONTRACT DOCUMENTS IS MODIFIED AS FOLLOWS:

Item 8. G-5: REMOVE sheet G-5 and REPLACE with attached sheet G-5.

Item 9. SS-2: REMOVE sheet SS-2 and REPLACE with attached sheet SS-2.

Item 10. SS-43: REMOVE sheet SS-43 and REPLACE with attached sheet SS-43.

Item 11. SS-44: REMOVE sheet SS-44 and REPLACE with attached sheet SS-44.

Item 12. SS-47: REMOVE sheet SS-47 and REPLACE with attached sheet SS-47.

Item 13. SS-60: REMOVE sheet SS-60 and REPLACE with attached sheet SS-60.

Attachments For:

Item 8. Revised Drawing G-5

Item 9. Revised Drawing SS-2

Item 10. Revised Drawing SS-43

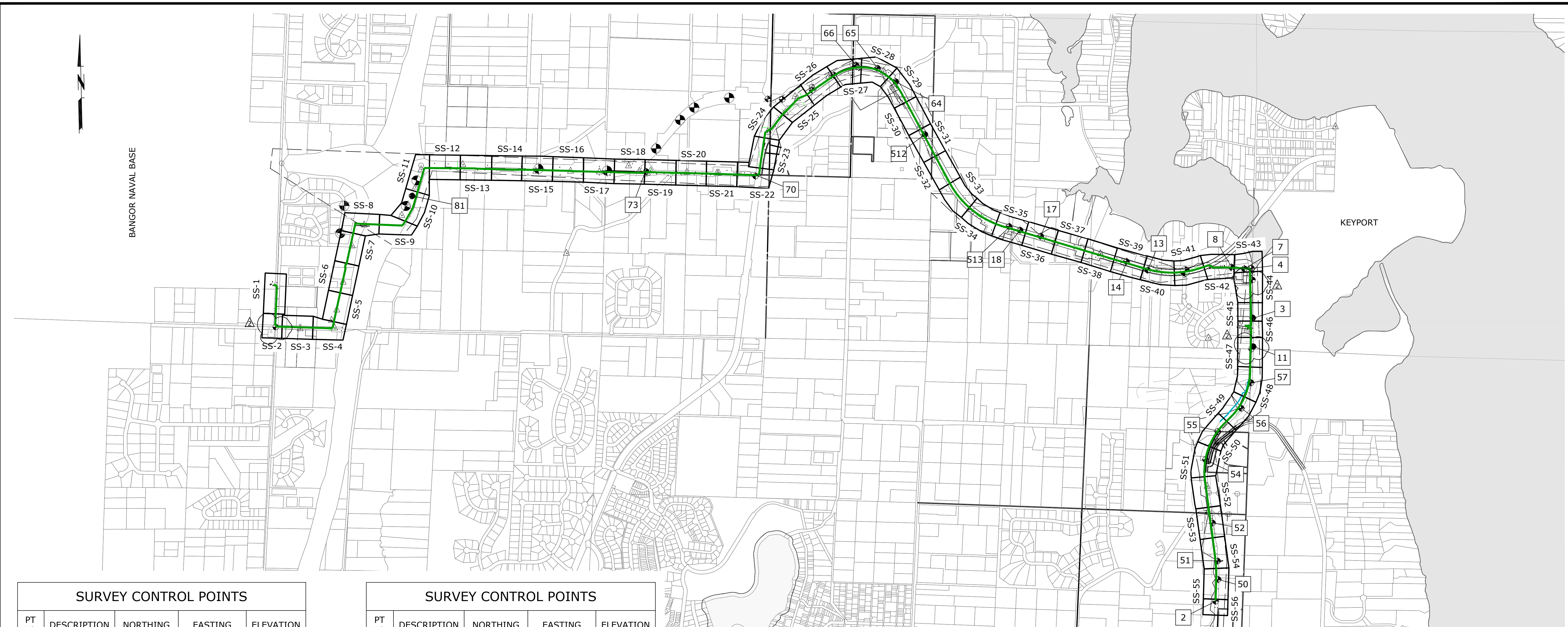
Item 11. Revised Drawing SS-44

Item 12. Revised Drawing SS-47

Item 13. Revised Drawing SS-60

End Addendum #2

\\ad.msa-ep.com\Everett\evt_projects\20\2815 - Kitsap County Bangor_keyport_fm Replacement\CAD\Sheets\20-2815-WA-GEN.dwg G-5 3/16/2022 4:01 PM BRENT.BUTTERFIELD 23.0s (LMS Tech)

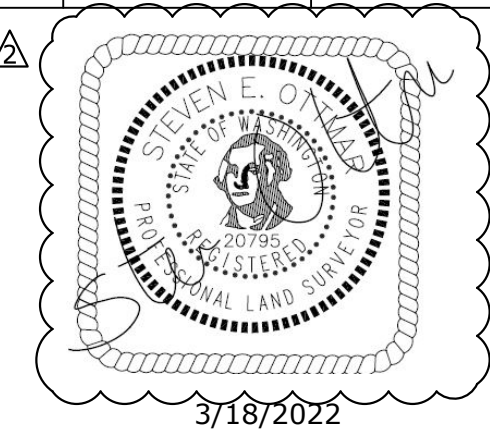


SURVEY CONTROL POINTS

PT NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
2	RRC	N254187.99	E1197918.23	191.07
3	RRC	N258784.95	E1198522.32	43.99
4	RRC	N259591.05	E1198499.67	15.45
7	MAG	N259584.99	E1198385.29	25.12
8	RRC	N259610.85	E1198174.60	43.93
11	RRC	N258321.37	E1198527.77	40.43
13	RRC	N259562.10	E1196816.63	66.27
14	RRC	N259700.80	E1196471.98	62.49
17	RRC	N260112.45	E1195080.20	45.23
18	MAG	N260211.37	E1194745.32	45.37
50	RRC	N254542.00	E1197959.38	184.53
51	RRC	N254840.45	E1197951.32	174.20
52	RRC	N255458.89	E1197868.47	146.65
54	RRC	N256485.97	E1197754.39	103.61
55	RRC	N256942.99	E1197953.31	83.55

SURVEY CONTROL POINTS

PT NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
56	RRC	N257320.04	E1198334.78	61.15
57	RRC	N257732.92	E1198494.03	44.54
64	RRC	N262619.93	E1192729.56	152.16
65	RRC	N262835.07	E1192434.73	166.24
66	RRC	N262886.23	E1192085.45	177.61
70	RRC	N261086.96	E1190454.43	206.02
73	MAG	N261161.03	E1188679.52	208.77
81	RRC	N260765.07	E1184884.06	249.80
512	MAG	N261761.92	E1193202.79	116.82
513	MAG	N260270.36	E1194568.14	49.36



SURVEYORS NOTES

HORIZONTAL DATUM IS WASHINGTON STATE PLANE, NORTH ZONE NAD83(11), US SURVEY FOOT. CONTROL WAS DEVELOPED UTILIZING LEICA GPS RTK POSITIONING WITH TIES TO THE WASHINGTON STATE REFERENCE NETWORK. CONTROL WAS DEVELOPED THROUGHOUT THE SITE USING THIS METHOD BY TAKING MULTIPLE OCCUPATIONAL READINGS AND AVERAGING POSITIONS. GROUND TRAVERSE BETWEEN GPS STATIONS WERE PERFORMED FOR CROSS TIES.

VERTICAL DATUM IS NAVD88, PER GPS OBSERVATIONS.

THIS SURVEY IS A COMPILATION OF PHOTOGRAMMETRIC SURVEYING DATA BY GEOTERRA AND GROUND SURVEYING BY AES CONSULTANTS. THE PRIMARY SURVEY CONTROL FOR THE PROJECT WAS ESTABLISHED BY AES CONSULTANTS FOR THE PERFORMANCE OF THE AERIAL SURVEYING. IN OPEN AREAS HARD SURFACES, GROUND ELEVATIONS AND CONTOUR DATA WAS PROVIDED BY GEOTERRA. AES CONSULTANTS FIELD CHECKED THE SURVEY DATA WITH GROUND ELEVATIONS MEASURED DURING THE COURSE OF THE SURVEY AND FOUND THE INFORMATION BY GEOTERRA RELIABLE.

UNDERGROUND UTILITIES WERE PROVIDED BY APPLIED PROFESSIONAL SERVICES, APS, AND WERE MAPPED USING TRADITIONAL RADIO FREQUENCY DEVICES. ONLY THOSE UTILITIES WHICH COULD BE LOCATED BY THIS TECHNIQUE WERE LOCATED. IN SOME INSTANCES WE ARE SHOWING UNDERGROUND UTILITIES BASE ON PLANS EITHER FOR CONSTRUCTION OR RECORD. IN THESE AREAS WE DISTINGUISH THE LINE TYPES SO THE DIFFERENCE BETWEEN AS-BUILT LOCATION AND RECORD DRAWING CAN BE SHOWN.

ALL EASEMENTS PERTAINING TO THE SEWER FACILITIES WERE ACQUIRED FROM KITSAP COUNTY PUBLIC WORKS ROAD RECORDS VAULT. ALL EASEMENTS FROM THE VAULT WITHIN THE CORRIDOR OF THE PROJECT AREA ARE SHOWN.

TAGHOLM ROAD WAS ESTABLISHED AS COUNTY ROAD NO. 81. THERE ARE LIMITED RIGHT OF WAY DEEDS RECORDED FOR THIS ROAD. SOME PROPERTY DESCRIPTIONS WERE WRITTEN AFTER THE ROAD ESTABLISHMENT EXCEPTING PORTIONS OF THE PROPERTY FOR ROAD, WHICH HAS LED TO SOME CONFUSION AS TO THE EXTENTS OF THE ACTUAL RIGHT OF WAY. WITHOUT RECORDED DEEDS, WE SUGGEST ACQUIRING EASEMENTS OR ADDITIONAL RIGHT OF WAY TO CLEAR TITLE.

THE RIGHT OF WAY SHOWN FOR ALL ROADS, WITH THE EXCEPTION OF TAGHOLM ROAD, ARE BASED ON STATE AND COUNTY ROAD PLANS AND ARE TAKEN AT FACE VALUE THAT ALL RIGHT OF WAY HAS BEEN ACQUIRED PER THESE PLANS. NO TITLE REPORTS OR ADDITIONAL RESEARCH WAS TAKEN TO VERIFY THAT RIGHT OF WAY DEEDS WERE RECORDED PER THE PLANS.

THE RIGHT OF WAY OF BROWNSVILLE HIGHWAY IN THE AREA OF TAGHOLM ROAD IS UNKNOWN. WE FOUND MAP #2-D6-1D AUG 1929 WHICH SHOWS AN ALIGNMENT CHANGE. HOWEVER THIS MAP APPEARS TO BE PRELIMINARY IN NATURE AND DOES NOT PROVIDE ENOUGH INFORMATION TO PROPERLY COMPUTE ITS LOCATION.

BORING HOLE LOCATIONS ARE SHOWN PER LANDAU ASSOCIATES DRAWINGS AND WERE NOT FIELD VERIFIED.

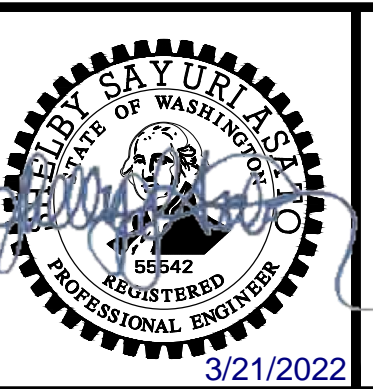
THERE ARE SEVERAL AREAS WHERE THE UTILITIES COULD NOT BE LOCATED. IN THOSE AREAS THE APPROXIMATE LOCATION IS SHOWN BASED ON THE PREVIOUS LOCATIONS, ADJACENT TO THE UTILITY, AND ASBUILT PLANS. THESE LOCATIONS ARE LABELED APPROX IN THE LINE TYPE.

NO.	DATE	BY	REVISION
3	03/14/2022	TMH	ADDENDUM #2
2	03/07/2022	TMH	ADDENDUM #1

NOTICE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

TMH DESIGNED
HCM DRAWN
EKS CHECKED



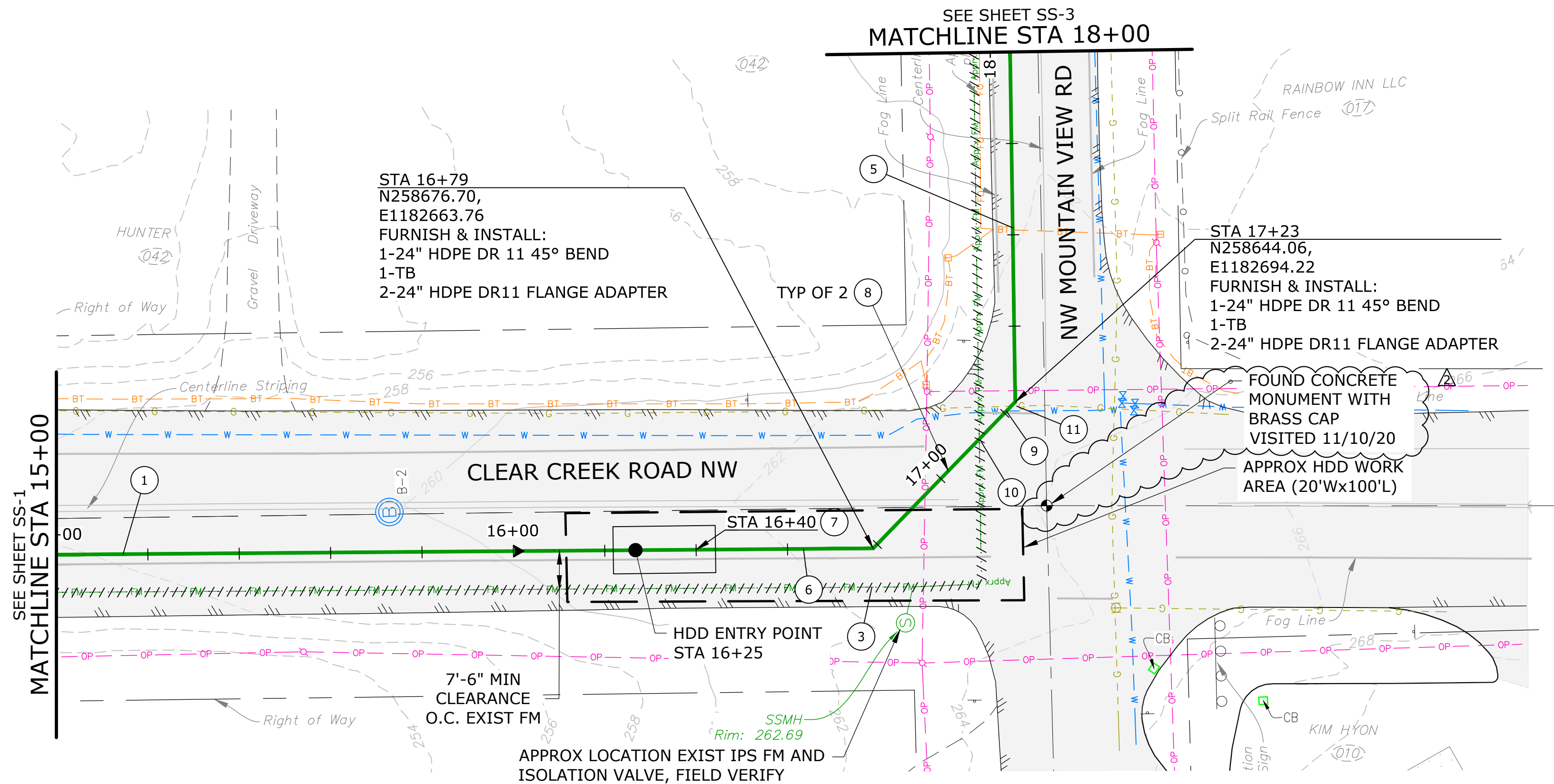
**BANGOR-KEYPORT
FORCE MAIN
REPLACEMENT**

SURVEY CONTROL PLAN & KEY MAP

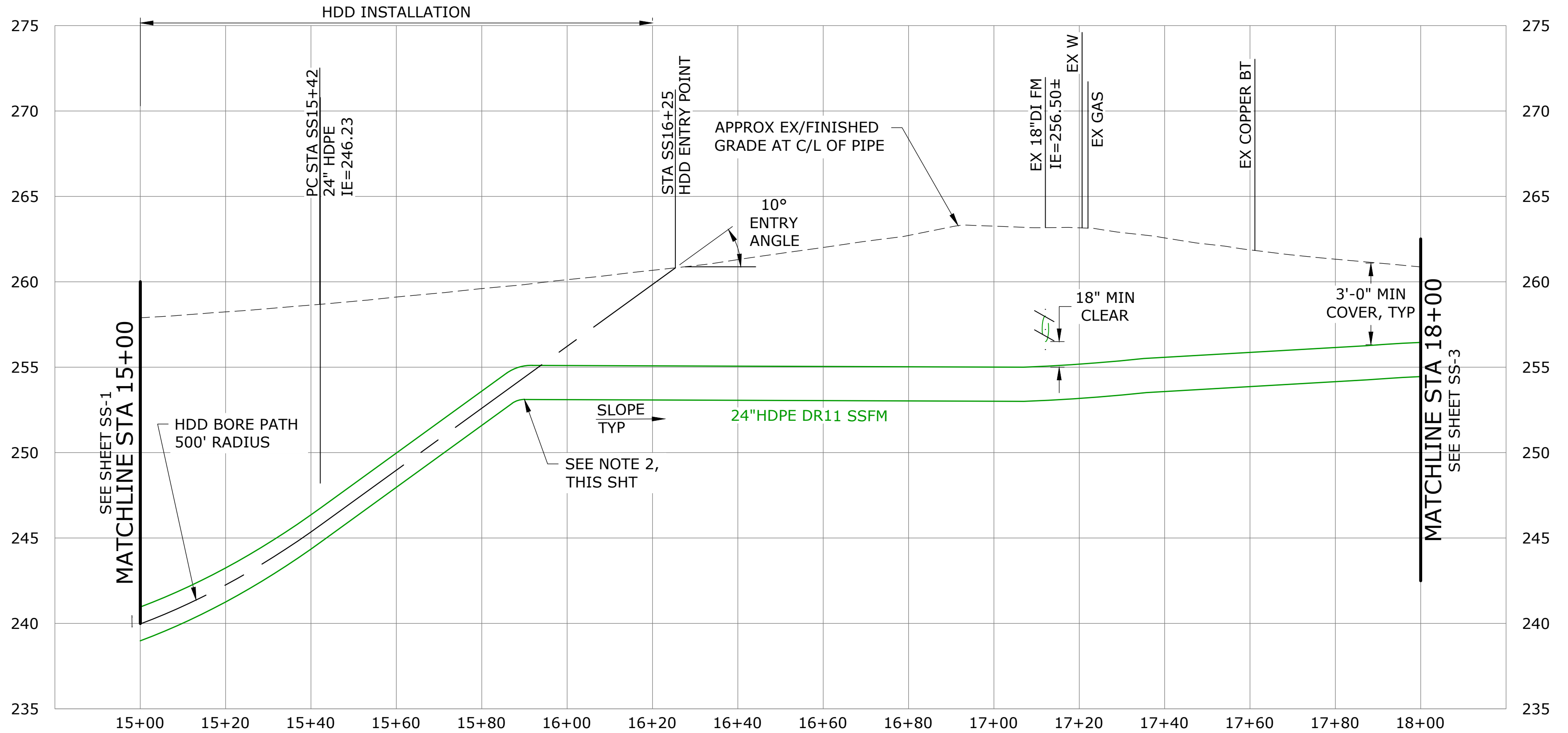
PROJECT NO.: 20-2815 SCALE: AS SHOWN DATE: FEBRUARY 2022

SHEET
G-5
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\\ad.msa-ep.com\Everett\vt_projects\20\2815 - Kitsap County Bangor_keyport_fm Replacement\CAD\Sheets\20-2815-WA-CIVIL1.dwg SS-2 3/16/2022 3:06 PM BRENT.BUTTERFIELD 23.0s (LMS Tech)



PLAN
SCALE: 1"=20'



PROFILE
SCALE: 1"=20' HORIZ, 1"=5' VERT

NOTES:

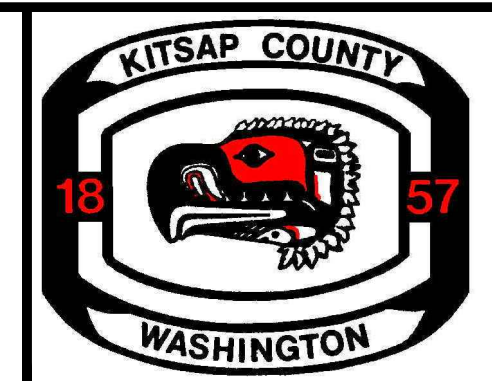
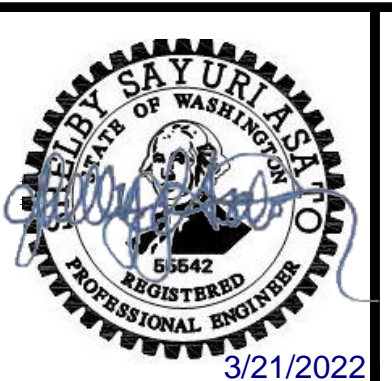
1. AVOID EXISTING UTILITIES (WATER, NATURAL GAS, ELECTRICITY, CABLE/COMMUNICATIONS, STORM, IRRIGATION, ETC.) AND ASSOCIATED STRUCTURES. IF THE WORK REQUIRES THAT EXISTING UTILITIES BE PERMANENTLY OR TEMPORARILY RELOCATED, THE CONTRACTOR SHALL COORDINATE WITH THE COUNTY AND THE UTILITY.
2. BEND PIPE TO ACHIEVE DESIRED ALIGNMENT AND NOT TO EXCEED MINIMUM ALLOWABLE BENDING RADIUS, PER MANUFACTURER RECOMMENDATIONS.

CONSTRUCTION NOTES:

1. CONSTRUCTION CL EQUALS PROPOSED PIPE CL, SEE SURVEY CONTROL PLAN, SHT G-5
3. ABAND EXIST SS FM & APPURTENANCES IN ACCORDANCE W/ SPECS
5. PROTECT EXIST UNDERGROUND POWER AND TELECOMMUNICATION, DURING CONSTRUCTION
6. SS FM TRENCH SECTION PER DET 3, SHT SS-58
7. FURNISH & INSTALL TRACER WIRE AND HANDHOLE PER DET 1, SHT SS-58
8. CONNECT EXIST IPS PER DET 1, SHT SS-57
9. PROTECT EXISTING WATER MAIN AND MAINTAIN MINIMUM VERTICAL SEPARATION OF 18" FROM WATER MAIN MEASURED EDGE-TO-EDGE
10. PROTECT EXIST SSFM, MAINTAIN MINIMUM VERTICAL SEPARATION OF 18" MEASURED EDGE-TO-EDGE. SEE SPECS FOR ADDITIONAL REQUIREMENTS
11. PROTECT EXIST GAS, MAINTAIN MINIMUM VERTICAL SEPARATION OF 12" MEASURED EDGE-TO-EDGE. MONITORING BY GAS UTILITY IS REQUIRED AT ALL TIMES DURING EXCAVATION AND BACKFILL OPERATIONS. WHEN GAS LINE IS EXPOSED RESTORE PIPE BY PACKING 6" OF SAND AROUND THE PIPE.

NOTICE	
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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE	
NO.	REVISION
03/14/2022	TMH ADDENDUM #2

TMH/JCP
DESIGNED
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EKS/BVO
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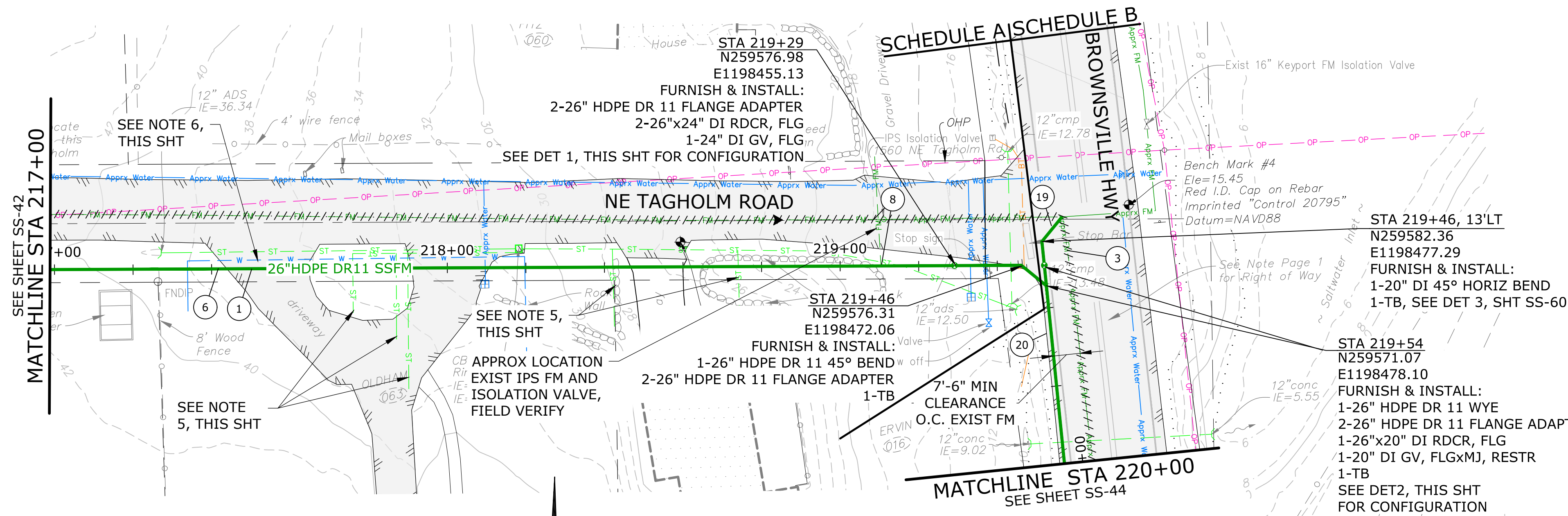
**BANGOR-KEYPORT
FORCE MAIN
REPLACEMENT**

**FORCE MAIN REPLACEMENT
PLAN & PROFILE STA 15+00
TO STA 18+00
SCHEDULE A**

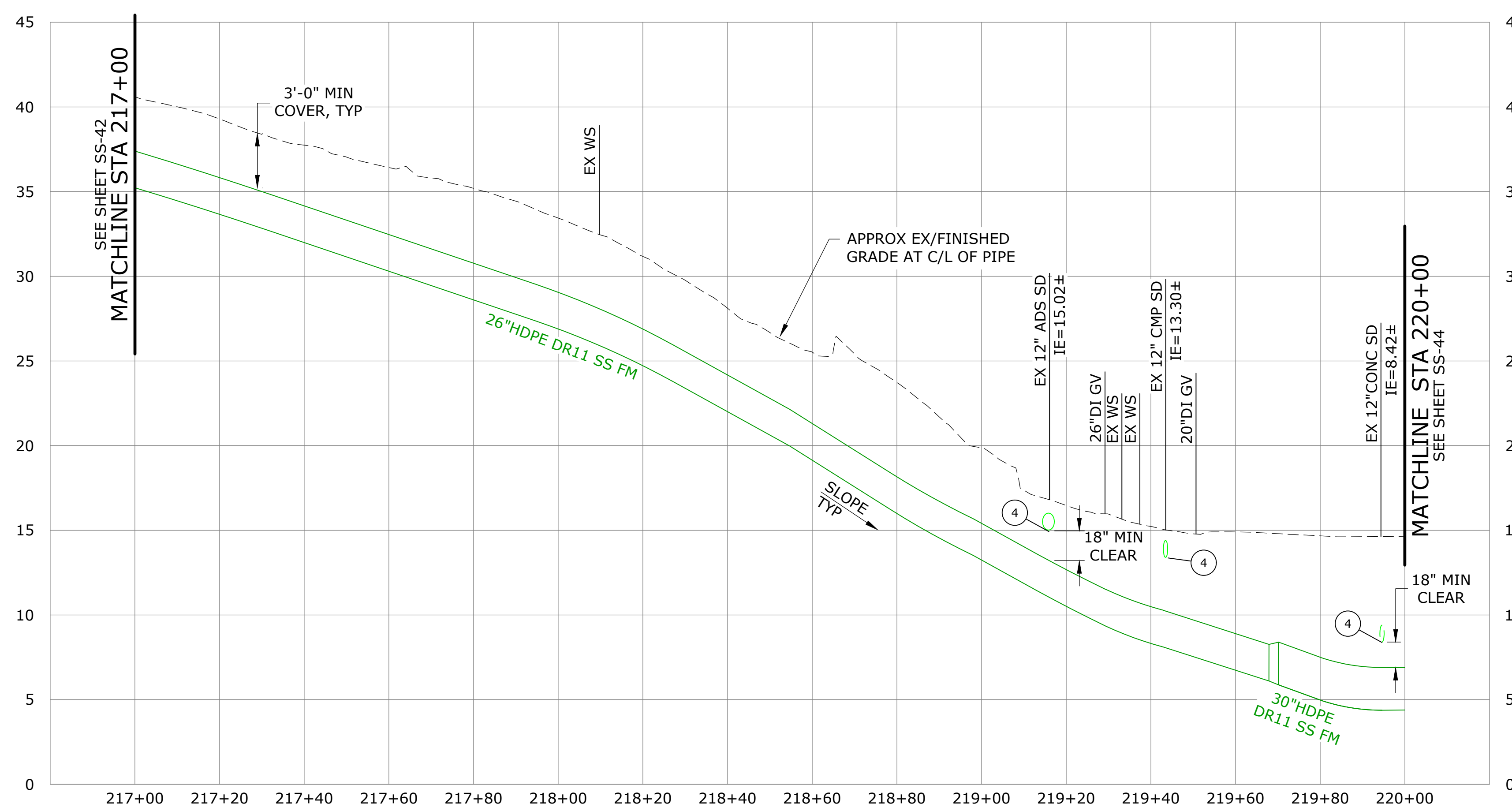
PROJECT NO.: 20-2815 SCALE: AS SHOWN DATE: FEBRUARY 2022

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SS-2
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PLAN
SCALE: 1"=20'



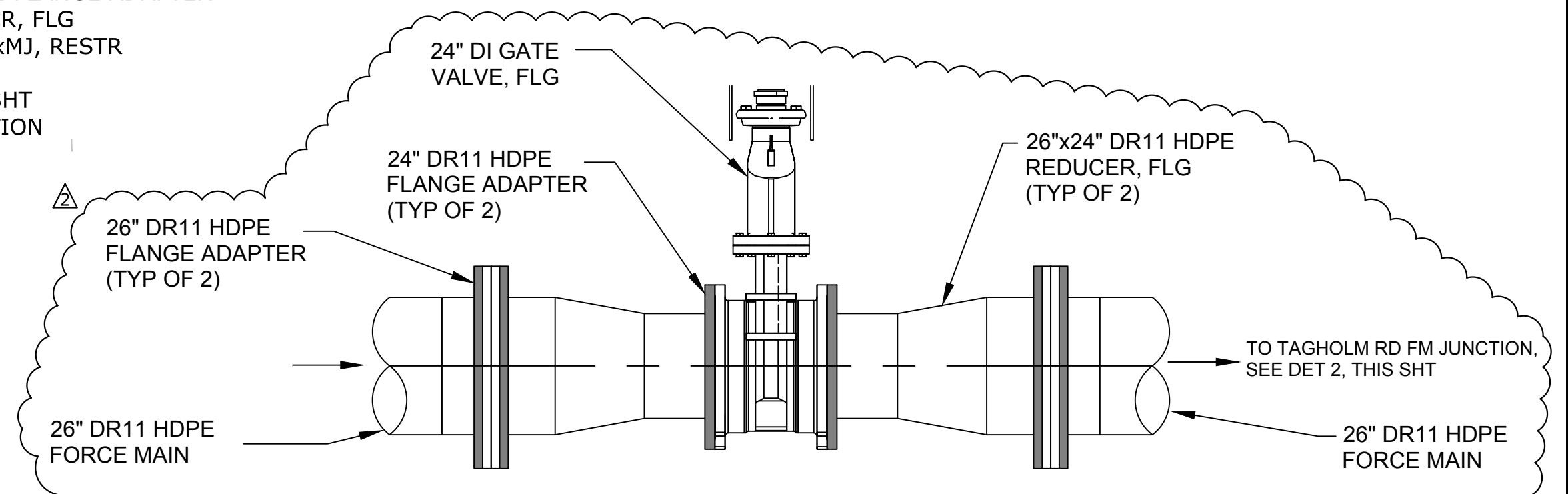
PROFILE
SCALE: 1"=20' HORIZ, 1"=5' VERT

NOTES:

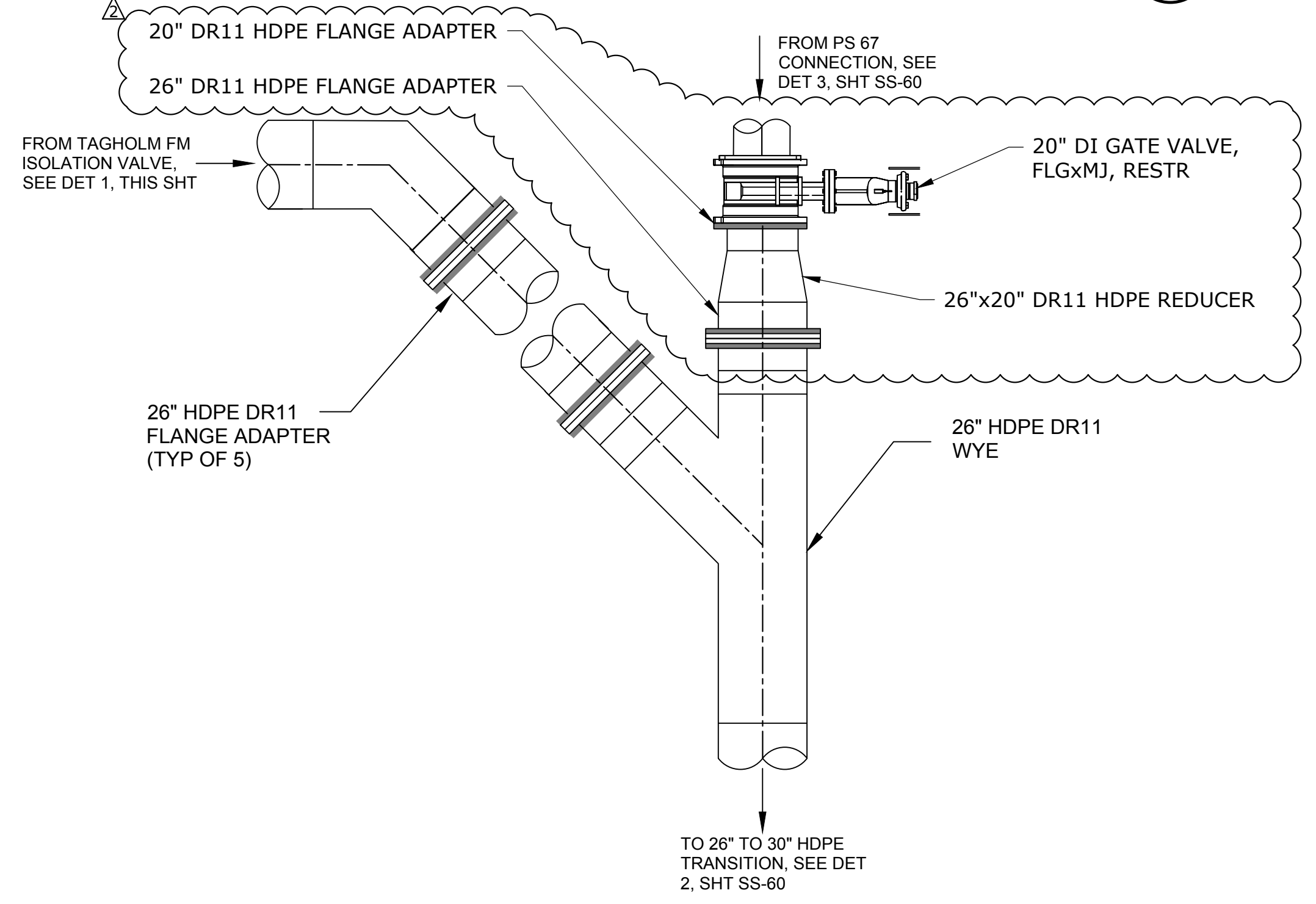
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2. BEND PIPE TO ACHIEVE DESIRED ALIGNMENT AND NOT TO EXCEED MINIMUM ALLOWABLE BENDING RADIUS, PER MANUFACTURER RECOMMENDATIONS.
3. CONTRACTOR TO COORDINATE WITH FITTING FABRICATOR TO ACHIEVE NON-STANDARD HDPE FITTING ANGLES.
4. TEMPORARY BYPASS SSFM FOR REPLACEMENT IN PLACE. SEE SPEC SECTION 01 59 00.1.
5. APPROX LOCATION EXIST YARD DRAIN, CONTRACTOR TO FIELD VERIFY LOCATION & QUANTITY ALONG TAGHOLM RD. RESTORE CONNECTIONS TO STORM SYSTEM, SEE SHT R-22.
6. APPROX LOCATION EXIST SPRINKLER SYSTEM, CONTRACTOR TO FIELD VERIFY LOCATION & CONFIGURATION. RESTORE SYSTEM TO EDGE OF ROW, SEE SHT R-22.
7. TIDALLY INFLUENCED GROUNDWATER MAY BE PRESENT BELOW ANTICIPATED EXCAVATION DEPTHS BETWEEN APPROXIMATE STATIONS 218+80 TO 222+00.

CONSTRUCTION NOTES:

1. CONSTRUCTION CL EQUALS PROPOSED PIPE CL, SEE SURVEY CONTROL PLAN, SHT G-5
3. ABAND EXIST SS FM & APPURTENANCES IN ACCORDANCE W/ SPECS
4. PROTECT EXISTING STORM DRAIN AND MAINTAIN MINIMUM VERTICAL SEPARATION OF 18" FROM STORM DRAIN TO SSFM MEASURED EDGE-TO-EDGE, SEE DET 1, SHT SS-62 FOR PIPE SUPPORT
6. SS FM TRENCH SECTION PER DET 3, SHT SS-58
8. CONNECT EXIST IPS PER DET 1, SHT SS-57
19. CONNECT TO EXIST 16" DI SS FM, SEE DET 3, SHT SS-60
20. TRANSITION FROM 26" TO 30" HDPE, SEE DET 2, SHT SS-60



TAGHOLM RD FORCE MAIN ISOLATION VALVE
SCALE: NTS



TAGHOLM RD FORCE MAIN JUNCTION
SCALE: NTS

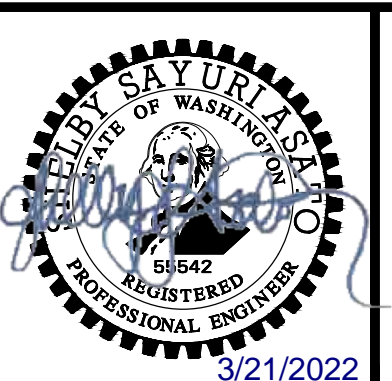
NO.	DATE	BY	REVISION
Δ	03/14/2022	TMH	ADDENDUM #2
Δ	03/07/2022	TMH	ADDENDUM #1

NOTICE

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IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

TMH DESIGNED
BAW DRAWN
EKS CHECKED

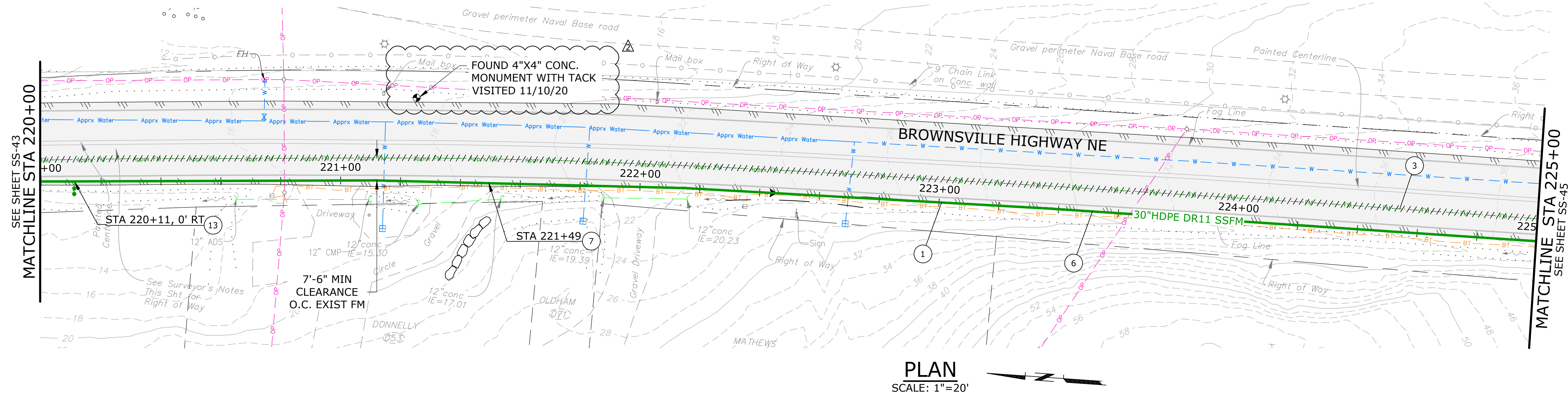


BANGOR-KEYPORT FORCE MAIN REPLACEMENT

FORCE MAIN REPLACEMENT PLAN & PROFILE STA 217+00 TO STA 220+00 SCHEDULE A & SCHEDULE B

PROJECT NO.: 20-2815 SCALE: AS SHOWN DATE: FEBRUARY 2022

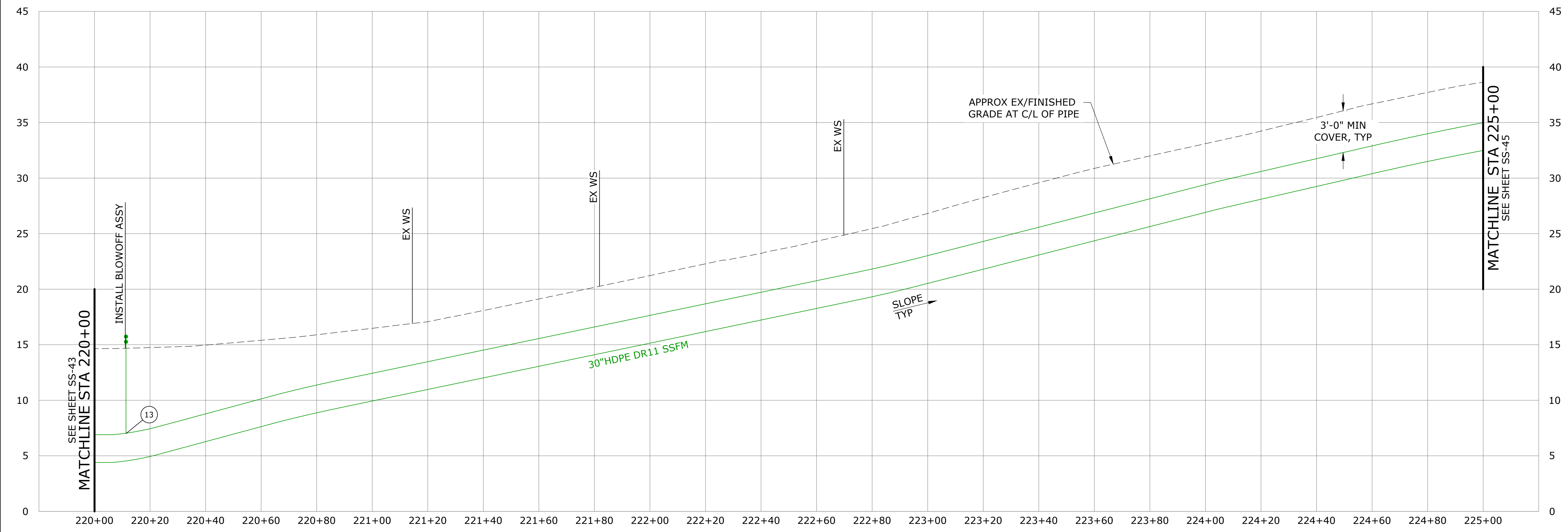
\\ad-mesa-ep.com\Everett\vt_projects\20\2815 - Kitsap County Bangor_keyport_fm Replacement\CAD\Sheets\20-2815-WA-CIVIL5.dwg SS-44 3/16/2022 2:54 PM BRENT.BUTTERFIELD 23.0s (LMS Tech)



PLAN
SCALE: 1"=20'

- NOTES:**
1. AVOID EXISTING UTILITIES (WATER, NATURAL GAS, ELECTRICITY, CABLE/COMMUNICATIONS, STORM, IRRIGATION, ETC.) AND ASSOCIATED STRUCTURES. IF THE WORK REQUIRES THAT EXISTING UTILITIES BE PERMANENTLY OR TEMPORARILY RELOCATED, THE CONTRACTOR SHALL COORDINATE WITH THE COUNTY AND THE UTILITY.
 2. BEND PIPE TO ACHIEVE DESIRED ALIGNMENT AND NOT TO EXCEED MINIMUM ALLOWABLE BENDING RADIUS, PER MANUFACTURER RECOMMENDATIONS.
 3. TIDALLY INFLUENCED GROUNDWATER MAY BE PRESENT BELOW ANTICIPATED EXCAVATION DEPTHS BETWEEN APPROXIMATE STATIONS 218+80 TO 222+00.

- CONSTRUCTION NOTES:**
- 1 CONSTRUCTION CL EQUALS PROPOSED PIPE CL, SEE SURVEY CONTROL PLAN, SHT G-5
 - 3 ABAND EXIST SS FM & APPURTENANCES IN ACCORDANCE W/ SPECS
 - 6 SS FM TRENCH SECTION PER DET 3, SHT SS-58
 - 7 FURNISH & INSTALL TRACER WIRE AND HANDHOLE PER DET 1, SHT SS-58
 - 13 FURNISH & INSTALL BLOW OFF ASSY PER DET 2, SHT SS-58



PROFILE
SCALE: 1"=20' HORIZ, 1"=5' VERT

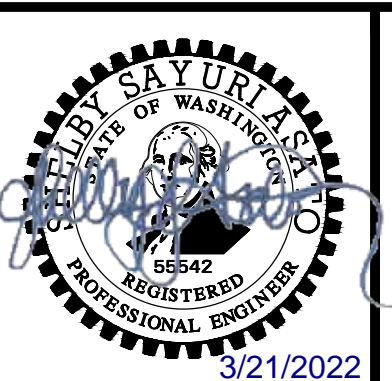
NO.	DATE	BY	REVISION
Δ	03/14/2022	TMH	ADDENDUM #2
Δ	03/07/2022	TMH	ADDENDUM #1

NOTICE

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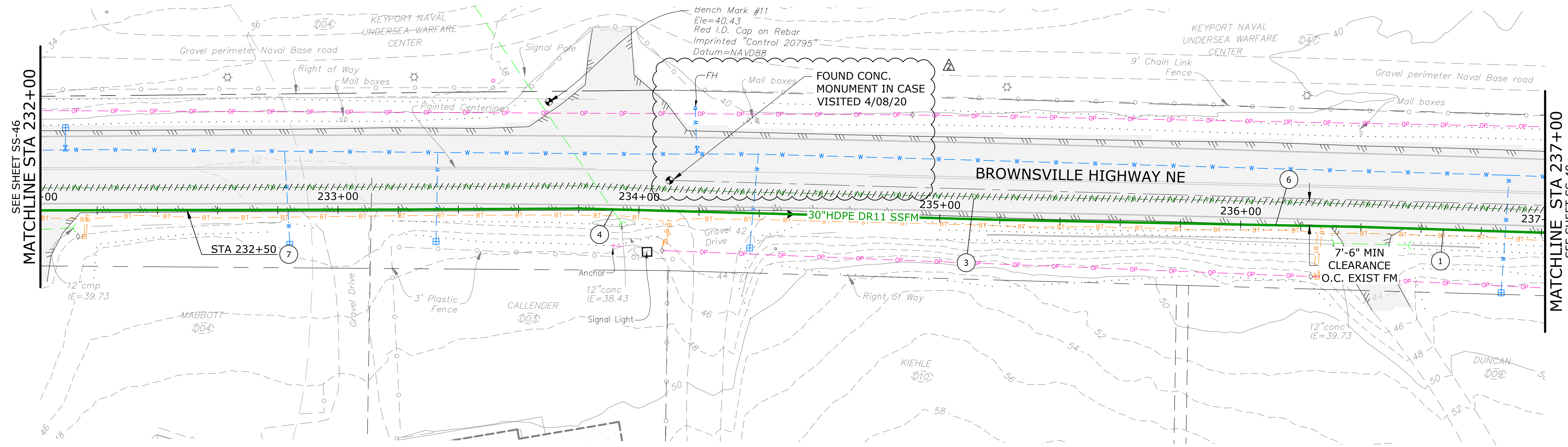
**BANGOR-KEYPORT
FORCE MAIN
REPLACEMENT**

**FORCE MAIN REPLACEMENT
PLAN & PROFILE STA 220+00
TO STA 225+00
SCHEDULE B**

PROJECT NO.: 20-2815 SCALE: AS SHOWN DATE: FEBRUARY 2022

SHEET
SS-44
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\\ad.msa-ep.com\everett\evt_projects\20\2815 - Kitsap County Bangor_keyport_fm Replacement\CAD\Sheets\20-2815-WA-CIVIL6.dwg SS-47 3/16/2022 3:24 PM BRENT.BUTTERFIELD 23.0s (LMS Tech)



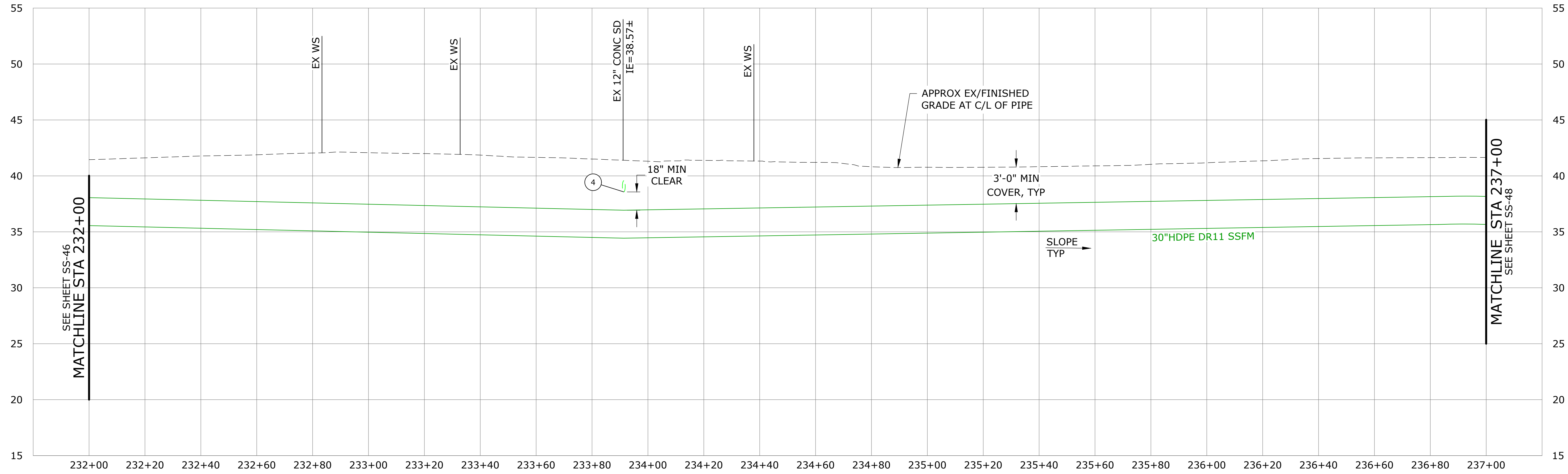
PLAN
SCALE: 1"=20'

NOTES:

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2. BEND PIPE TO ACHIEVE DESIRED ALIGNMENT AND NOT TO EXCEED MINIMUM ALLOWABLE BENDING RADIUS, PER MANUFACTURER RECOMMENDATIONS.

CONSTRUCTION NOTES:

- 1 CONSTRUCTION CL EQUALS PROPOSED PIPE CL, SEE SURVEY CONTROL PLAN, SHT G-5
- 3 ABAND EXIST SS FM & APPURTENANCES IN ACCORDANCE W/ SPECS
- 4 PROTECT EXISTING STORM DRAIN AND MAINTAIN MINIMUM VERTICAL SEPARATION OF 18" FROM STORM DRAIN TO SSFM MEASURED EDGE-TO-EDGE, SEE DET 1, SHT SS-62 FOR PIPE SUPPORT
- 6 SS FM TRENCH SECTION PER DET 3, SHT SS-58
- 7 FURNISH & INSTALL TRACER WIRE AND HANDHOLE PER DET 1, SHT SS-58

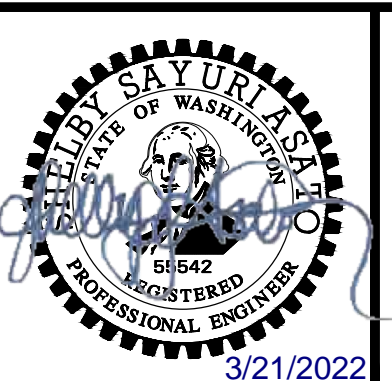


PROFILE
SCALE: 1"=20' HORIZ, 1"=5' VERT

NO.	DATE	BY	REVISION
1	03/14/2022	TMH	ADDENDUM #2

NOTICE
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TMH DESIGNED
BAW DRAWN
EKS CHECKED



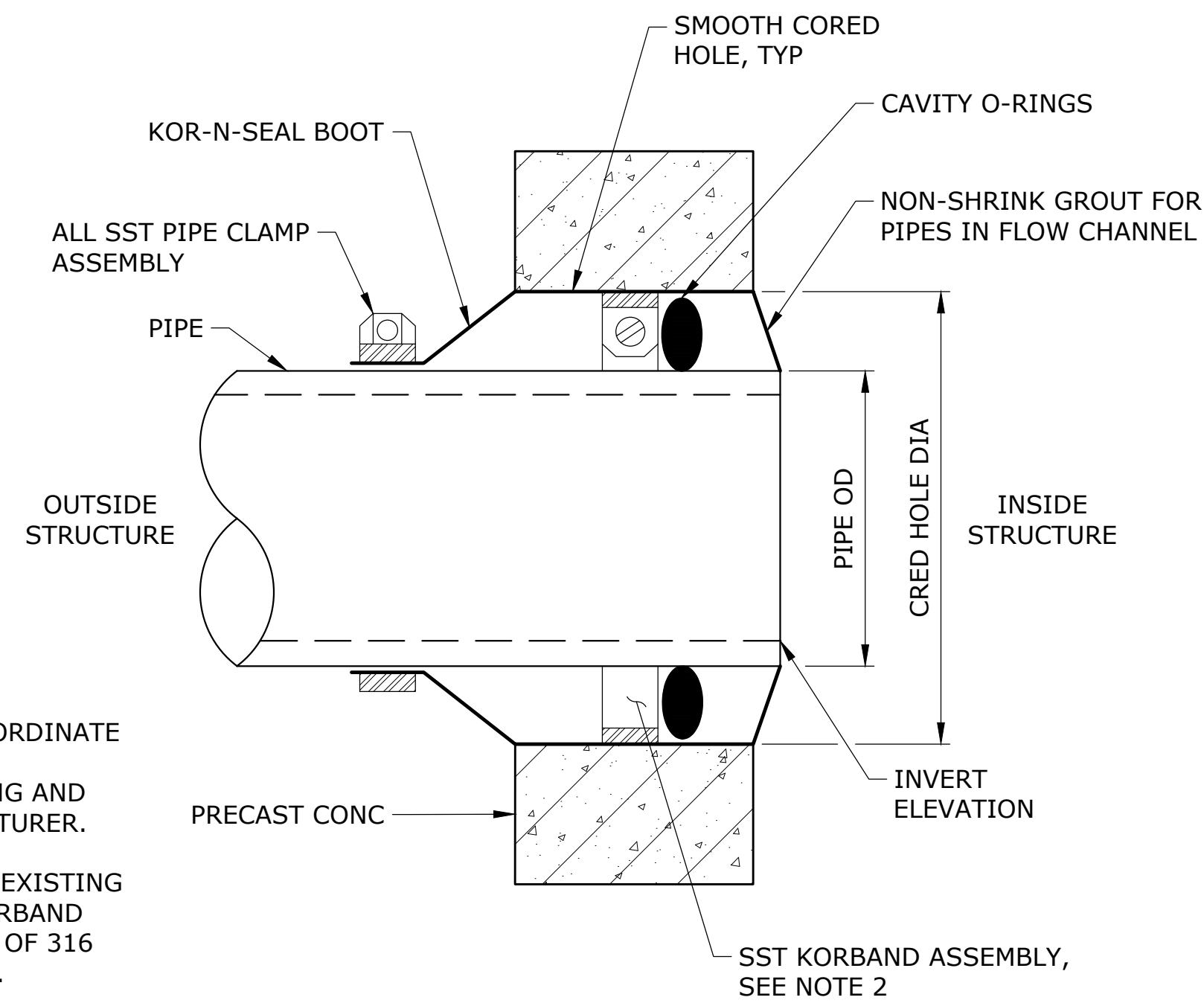
**BANGOR-KEYPORT
FORCE MAIN
REPLACEMENT**

**FORCE MAIN REPLACEMENT
PLAN & PROFILE STA 232+00 TO
STA 237+00
SCHEDULE B**

PROJECT NO.: 20-2815 SCALE: AS SHOWN DATE: FEBRUARY 2022

SHEET
SS-47
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\\ad.msa-ep.com\everett\vt_projects\20\2815 - Kitsap County Bangor_keyport_fm Replacement\CAD\Sheets\20-2815-WA-AIR2.dwg SS-60 3/15/2022 11:30 AM MATT. ESTEP 23.0s (LMS Tech)



NOTES:

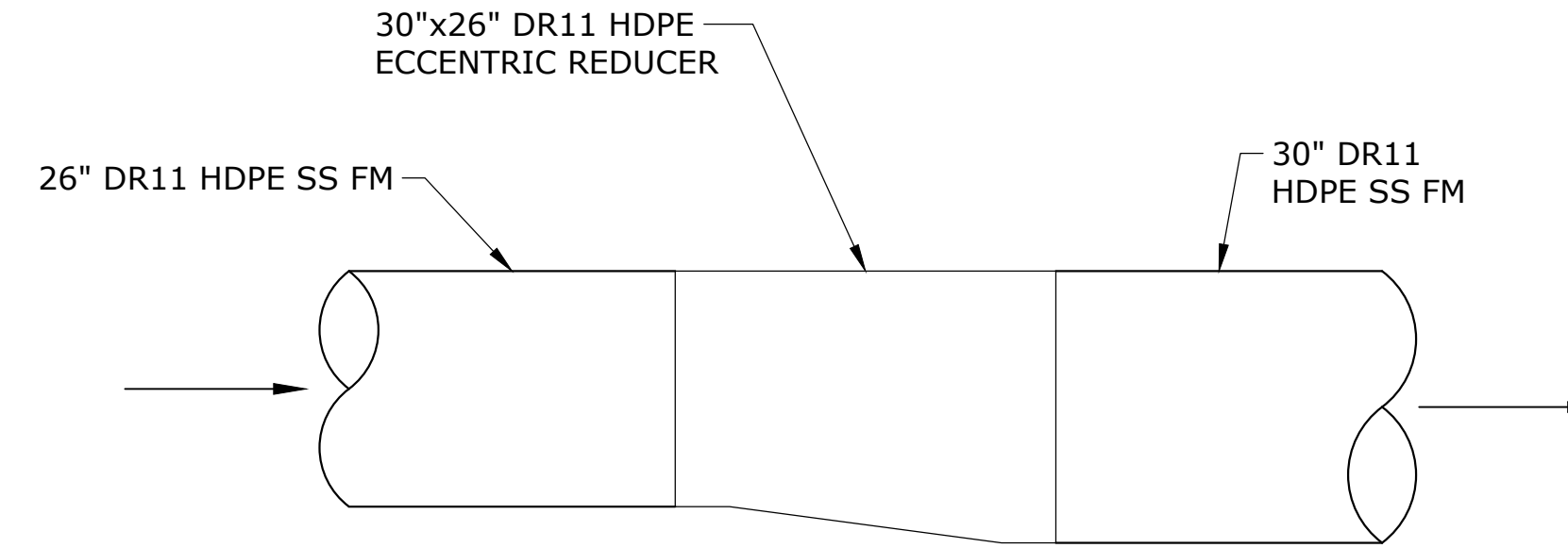
1. CONTRACTOR SHALL COORDINATE CORED HOLE DIAMETER REQUIREMENTS WITH PIPING AND MANHOLE/Vault MANUFACTURER.
2. FOR PENETRATION INTO EXISTING MANHOLES OR VAULTS, KORBAND ASSEMBLY SHALL CONSIST OF 316 STAINLESS STEEL WEDGES.

FLEXIBLE BOOT CONNECTION

SCALE: NTS

1

PS17-2/PS24-2

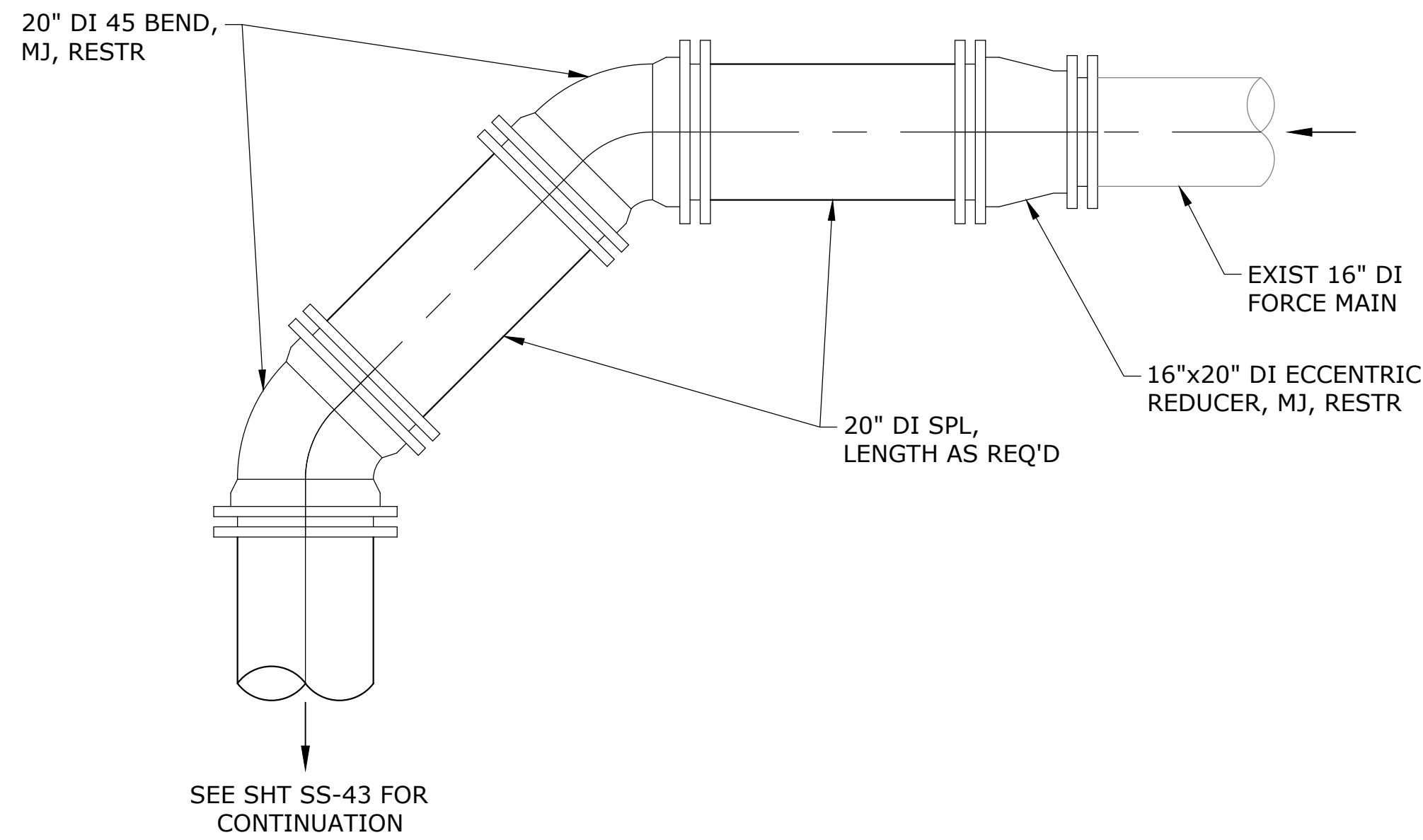


26" TO 30" HDPE TRANSITION

SCALE: NTS

2

SS-43

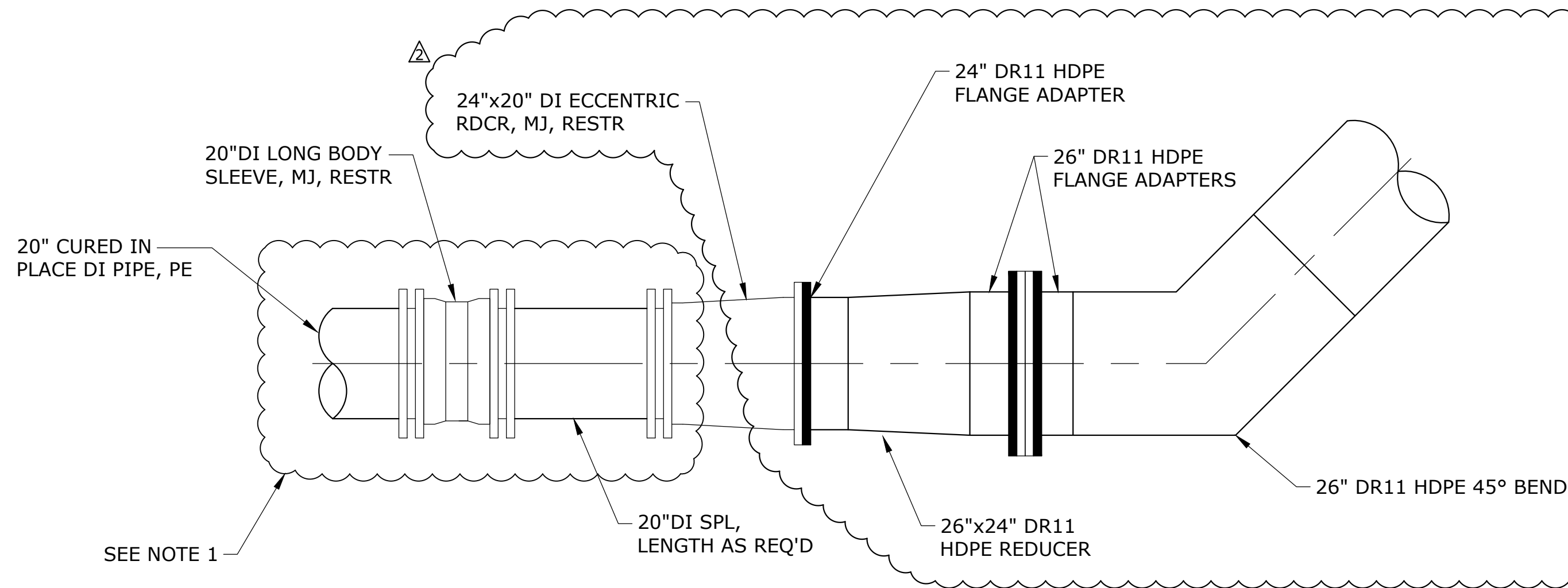


CONNECTION TO EXIST 16" FORCE MAIN

SCALE: NTS

3

SS-43



NOTES:

1. SEE DETAIL 3, ON SHEET SS-61 FOR CIPP END CONNECTION.

TRANSITION FROM 20" DI TO 26" HDPE

SCALE: NTS

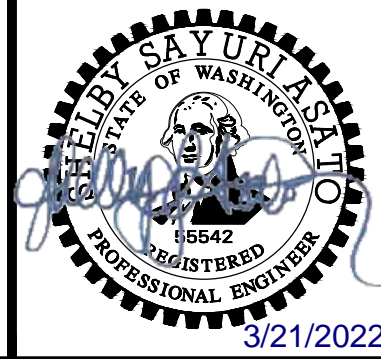
4

SS-9

NO.	DATE	BY	REVISION
1	03/14/2022	TMH	ADDENDUM #2

NOTICE
 0 1/2 1
 IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

TMH
 DESIGNED
 BAW
 DRAWN
 EKS
 CHECKED



**BANGOR-KEYPORT
 FORCE MAIN
 REPLACEMENT**

**SCHEDULE A & SCHEDULE B
 MISCELLANEOUS SEWER
 DETAILS - 4**

PROJECT NO.: 20-2815 SCALE: AS SHOWN DATE: FEBRUARY 2022

SHEET
SS-60
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