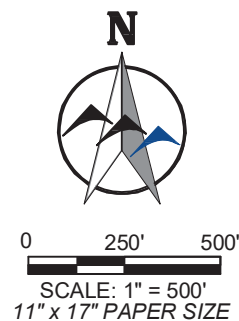
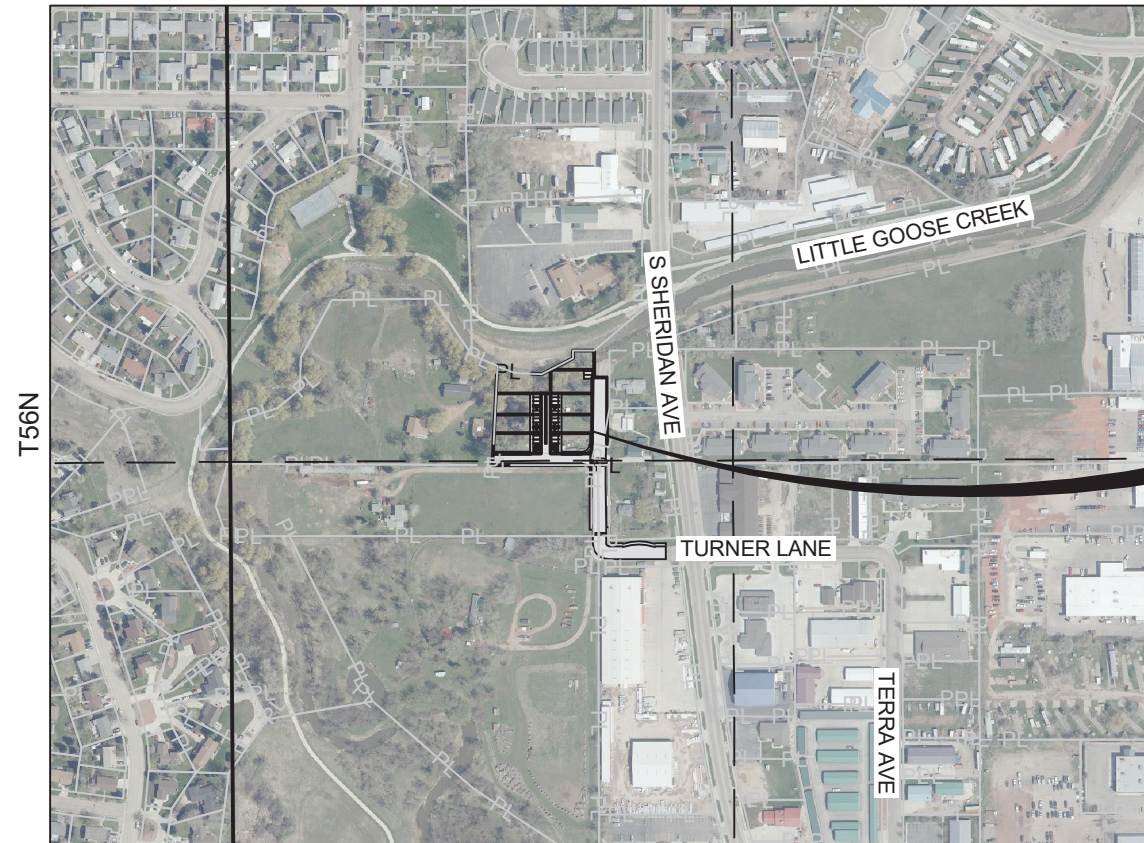
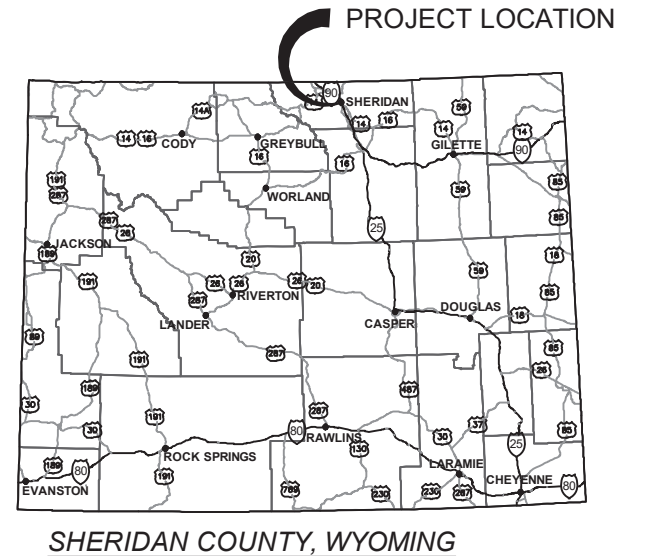


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CONSTRUCTION DRAWINGS

SCOTT GERBER BENDER SUBDIVISION

Sheet List Table	
Sheet Number	Sheet Title
1	COVER SHEET
2	GENERAL NOTES & LEGEND
3	SURVEY CONTROL
4	TYPICAL ROAD SECTION
5	ROAD PLAN AND PROFILE SHEET
6	ROAD PLAN AND PROFILE SHEET
7	SITE GRADING
8	SITE GRADING TABLE
9	WATER PLAN AND PROFILE SHEET
10	WATER PLAN AND PROFILE SHEET
11	SANITARY SEWER PLAN AND PROFILE SHEET
12	SANITARY SEWER PLAN AND PROFILE SHEET
13	STORM DRAINAGE DETAIL
14	CITY OF SHERIDAN STANDARD DETAILS
15	CITY OF SHERIDAN STANDARD DETAILS
16	CITY OF SHERIDAN STANDARD DETAILS
17	CITY OF SHERIDAN STANDARD DETAILS
18	CITY OF SHERIDAN STANDARD DETAILS
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26	CITY OF SHERIDAN STANDARD DETAILS
27	CITY OF SHERIDAN STANDARD DETAILS
28	CITY OF SHERIDAN STANDARD DETAILS
29	CITY OF SHERIDAN STANDARD DETAILS



LOCATION MAP

PREPARED FOR:
DAN E. HART
(HARTLAND ENTERPRISES, LLC)
PO BOX 95
UPTON, WY 82730

SCOTT GERBER AND AYME ARHENS
820 SOUTH THURMOND ST
SHERIDAN, WY 82801

PREPARED BY: **WWC ENGINEERING**
1849 TERRA AVE.
SHERIDAN, WY 82801
(307) 672-0761
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NO.	DESIGNED BY: <u>SER</u>
PROJECT NO. 2021-115	DRAWN BY: <u>CIG</u>
NO.	CHECKED BY: <u>CDR</u>
NO.	DATE: <u>08/03/2022</u>
NO.	DRAWING NO. 1



WYOMING NAD83 EAST-CENTRAL
N.G.S. O.P.U.S. SOLUTION
REFERENCE FRAME: NAD83(2011)(EPOCH 2010.0000)
DISTANCES SHOWN HEREON ARE GRID DISTANCES
UNITS OF U.S. SURVEY FEET
VERTICAL DATUM = NAVD88 (GEOID 18)

FINAL

GENERAL CONSTRUCTION NOTES

- UNLESS SPECIFICALLY SHOWN ON THE DRAWINGS, ALL WORK SHALL CONFORM TO LATEST EDITION OF CITY OF SHERIDAN STANDARD SPECIFICATIONS & DETAILS AND ANY SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY WORK.
- THE CONTRACTOR SHALL CONFINE CONSTRUCTION TO EASEMENTS AND RIGHT-OF-WAYS SHOWN. CONTRACTOR IS TO PROTECT FROM DAMAGE ALL FEATURES INSIDE THE DESIGNATED AREAS SO NOTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIAL TESTING FOR CONSTRUCTION ACTIVITIES (SOIL, ASPHALT, CONCRETE, ETC.).
- THE CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, WHO SHALL ALSO BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS AND SEQUENCING (WITHIN THE REQUIREMENTS OF THE CONTRACT DOCUMENTS) OF CONSTRUCTION OPERATIONS.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST AND EROSION DURING CONSTRUCTION AT CONTRACTOR'S EXPENSE. EROSION SHALL BE CONTROLLED IN ACCORDANCE WITH WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY REGULATIONS.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT A STORM WATER CONTROL PLAN TO THE WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY AND OBTAIN REQUIRED CONSTRUCTION RELATED PERMITS PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES. A COPY OF ALL PERMITS SHALL BE PROVIDED TO THE ENGINEER.
- WHEN GROUNDWATER IS ENCOUNTERED THE CONTRACTOR MUST UTILIZE AN EFFECTIVE DEWATERING PROGRAM ACCEPTABLE TO THE ENGINEER AND AT NO COST TO THE OWNER, TO INSTALL MATERIALS IN COMPLIANCE WITH THE SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY DISCHARGING WATER IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.
- THE LOCATION, DEPTH AND SIZE OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE. FIELD VERIFICATION OF BURIED GAS, ELECTRIC, TELEPHONE, CABLE, FIBER, WATER, SEWER AND OTHER LINES WERE NOT PERFORMED.
- WATER SERVICES AND SANITARY SEWER SERVICES ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE TO LOCATE ALL WATER AND SEWER SERVICE LINES AND ENSURE EACH HOUSE AND/OR LOT IS CONNECTED TO THE NEW WATER AND SEWER MAINS.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING OR EXCAVATING. 48-HOUR NOTICE IS REQUIRED (AT LEAST TWO FULL BUSINESS DAYS BEFORE A WEEKEND OR HOLIDAY). CONTRACTOR SHALL NOTIFY ONE-CALL-OF-WYOMING @ 811 or 1-800-849-2476 FOR ONSITE UTILITY LOCATION. ALTERNATIVELY, EXCAVATION TICKETS CAN BE SUBMITTED ONLINE AT <https://www.onecallofwyoming.com/excavators/>. ALL EXISTING UTILITIES SHALL BE MARKED PRIOR TO ANY EXCAVATION.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ALL UTILITIES (WHETHER SHOWN ON DRAWINGS OR NOT) ENCOUNTERED DURING CONSTRUCTION AND SHALL NOT BACKFILL UNTIL THE ENGINEER HAS MADE A RECORD OF UTILITY TYPE, SIZE AND LOCATION. THE CONTRACTOR SHALL DOCUMENT THE SAME FOR HIS RECORDS. ENGINEER OR OWNER WILL NOT BE RESPONSIBLE FOR DELAYS TO CONSTRUCTION ACTIVITIES AS A RESULT OF UTILITY LOCATES, RELOCATION, UTILITIES ENCOUNTERED OR WHILE ENGINEER IS RECORDING UTILITY INFORMATION.
- ALL UTILITY CONDUITS FOR IRRIGATION, ELECTRICAL, GAS, PHONE, CATV, FIBER, ETC. SHALL BE BURIED A MINIMUM 24" BELOW FINISHED GRADE, OR AS REQUIRED BY SUCH UTILITY, AND BEDDED WITH TYPE A BEDDING MATERIAL, AND THE TRENCH BACKFILLED WITH IMPORTED TRENCH BACKFILL MATERIAL, PER CITY SPECIFICATIONS. EXISTING TRENCH EXCAVATION MATERIAL MAY BE USED AS APPROVED BY THE ENGINEER.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DESIGNING AND CONSTRUCTING STABLE, TEMPORARY EXCAVATIONS AND SHALL SHORE AND BRACE, SLOPE, OR BENCH THE SIDES OF THE EXCAVATIONS AS REQUIRED TO MAINTAIN STABILITY OF BOTH THE EXCAVATION SIDES AND BOTTOM. ALL EXCAVATIONS SHALL COMPLY WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS INCLUDING THE CURRENT OSHA EXCAVATION AND TRENCH SAFETY STANDARDS 29 CFR PART 1926, SUBPART P - EXCAVATIONS.
- IF GROUNDWATER IS ENCOUNTERED, WEEPLESS FIRE HYDRANTS SHALL BE INSTALLED.
- PAVEMENT MARKINGS, STRIPING, AND SIGNS TO BE INSTALLED PER CURRENT VERSION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- THE LOCATIONS OF ALL PAVEMENT MARKINGS, STRIPING, AND SIGNS SHALL BE AS DIRECTED IN THE FIELD BY THE ENGINEER.

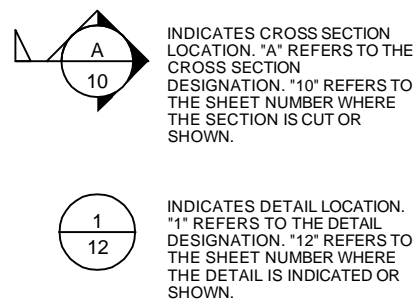
BLOCK LEGEND

EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED

LINE STYLE LEGEND

EXISTING	PROPOSED	
		MAJOR CONTOUR
		MINOR CONTOUR
		PROPERTY LINE
		LOT LINE
		RIGHT-OF-WAY
		OVERHEAD TELEPHONE
		OVERHEAD POWER
		NATURAL GAS
		IRRIGATION LINE
		FIBER OPTIC
		FORCEMAIN
		FENCE [CHAIN]
		FENCE [BARBED]
		FENCE [PRIVACY]
		FIRE LINE
		OVERHEAD TV
		RAW WATER
		SEWER
		STORM
		UNDERGROUND POWER
		UNDERGROUND TELEPHONE
		UNDERGROUND TV
		WATER

DRAWING NOTATION



ABBREVIATIONS

ACI	AMERICAN CONCRETE INSTITUTE	HWY	HIGHWAY
BAR	REBAR	I.E.	INVERT ELEVATION
BMP	BEST MANAGEMENT PRACTICES	LF	LINEAR FEET
BOT	BOTTOM	MH	MANHOLE
BVC	BEGIN VERTICAL CURVE	MJ	MECHANICAL JOINT
CFS	CUBIC FEET PER SECOND	OS	OFFSET
CL	CENTERLINE	O.C.	ON CENTER
CMP	CORRUGATED METAL PIPE	O.C.E.F.	ON CENTER EACH FACE
CONC	CONCRETE OR CONCENTRIC	OHP	OVERHEAD POWER
CP	CONTROL POINT	PI	POINT OF INTERSECTION
CSP	CORRUGATED STEEL PIPE	POT	POINT ON TANGENT
CTR	CENTER	PS	PIPE SUPPORT
CU FT	CUBIC FEET	PT	POINT, POINT OF TANGENCY
CULV	CULVERT	PVC	POLYVINYL CHLORIDE
DI	DUCTILE IRON OR DRAIN INLET	PWR	POWER
DIA	DIAMETER	RCP	REINFORCED CONCRETE PIPE
EA	EACH	R/W OR ROW	RIGHT OF WAY
E.F.	EACH FACE	SS	SANITARY
EL, ELEV	ELEVATION	SST	STAINLESS STEEL
EOP	EDGE OF PAVEMENT	STA	STATION
EVC	END VERTICAL CURVE	TBC	TOP BACK OF CURB
FT	FOOT OR FEET	TYP	TYPICAL
GPM	GALLONS PER MINUTE	UG	UNDERGROUND
HP	HORSEPOWER	WTR	WATER

PREPARED BY: **SCOTT GERBER**

BENDER SUBDIVISION

GENERAL NOTES & LEGEND

SHERIDAN COUNTY, WYOMING

DESIGNED BY: SER

DRAWN BY: CIG

CHECKED BY: CDR

DATE: 08/03/2022

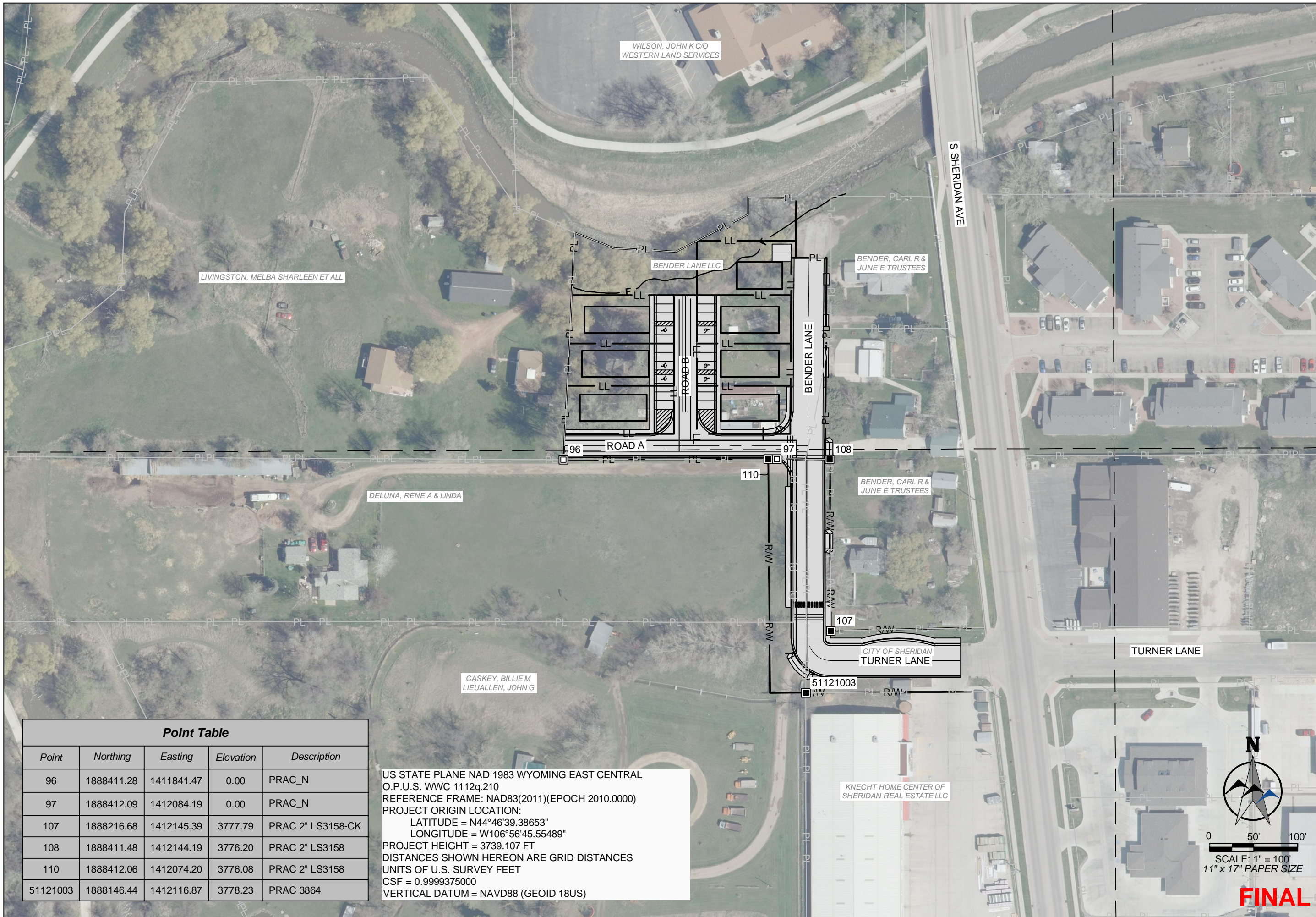
SHEET **2**

PROJECT NO. 2021-115

WWC ENGINEERING
1849 TERRA AVE.
SHERIDAN, WY 82801
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FINAL

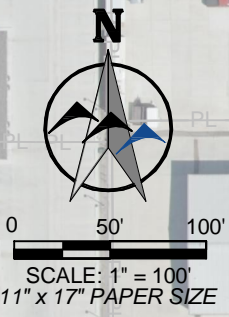
k:\Sheridan\gerber_scott\20211115 bender major subdivision\05CAD\Sheets\PLAN_SET\21115_COVR_SHT.dwg CONTROL ABSTRACT 8/4/2022 3:49:12 PM



Point Table

Point	Northing	Easting	Elevation	Description
96	1888411.28	1411841.47	0.00	PRAC_N
97	1888412.09	1412084.19	0.00	PRAC_N
107	1888216.68	1412145.39	3777.79	PRAC 2" LS3158-CK
108	1888411.48	1412144.19	3776.20	PRAC 2" LS3158
110	1888412.06	1412074.20	3776.08	PRAC 2" LS3158
51121003	1888146.44	1412116.87	3778.23	PRAC 3864

US STATE PLANE NAD 1983 WYOMING EAST CENTRAL
 O.P.U.S. WWC 1112q.210
 REFERENCE FRAME: NAD83(2011)(EPOCH 2010.0000)
 PROJECT ORIGIN LOCATION:
 LATITUDE = N44°46'39.38653"
 LONGITUDE = W106°56'45.55489"
 PROJECT HEIGHT = 3739.107 FT
 DISTANCES SHOWN HEREON ARE GRID DISTANCES
 UNITS OF U.S. SURVEY FEET
 CSF = 0.9999375000
 VERTICAL DATUM = NAVD88 (GEOID 18US)



FINAL

NO.	REVISION	BY	DATE

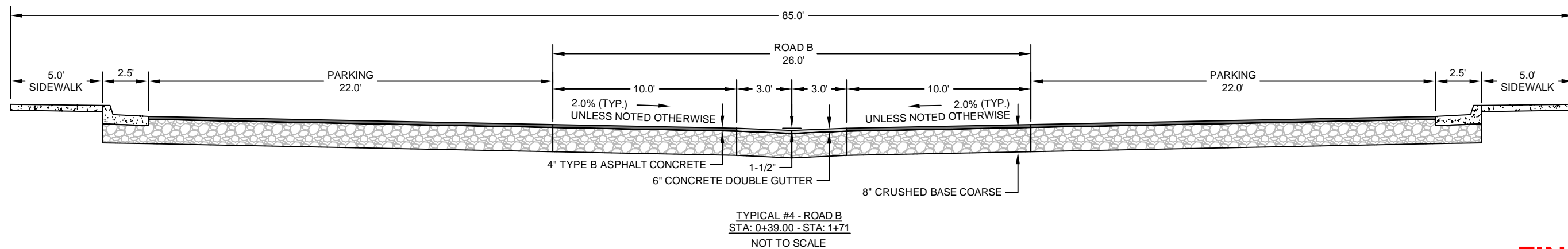
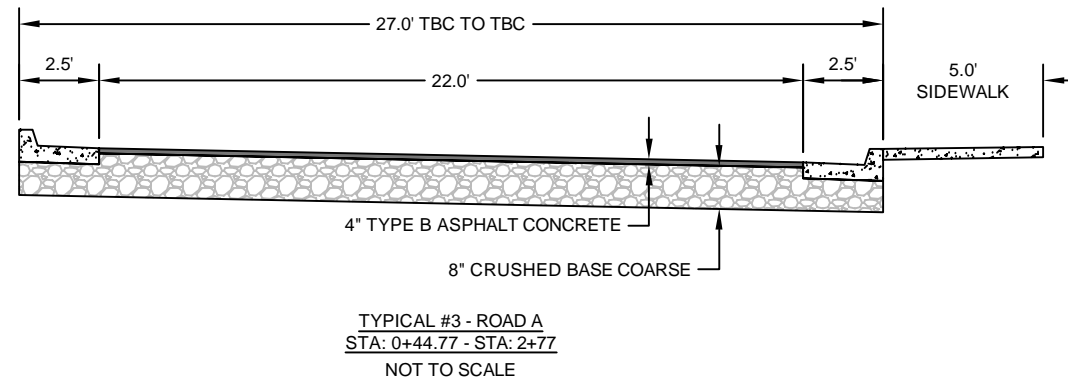
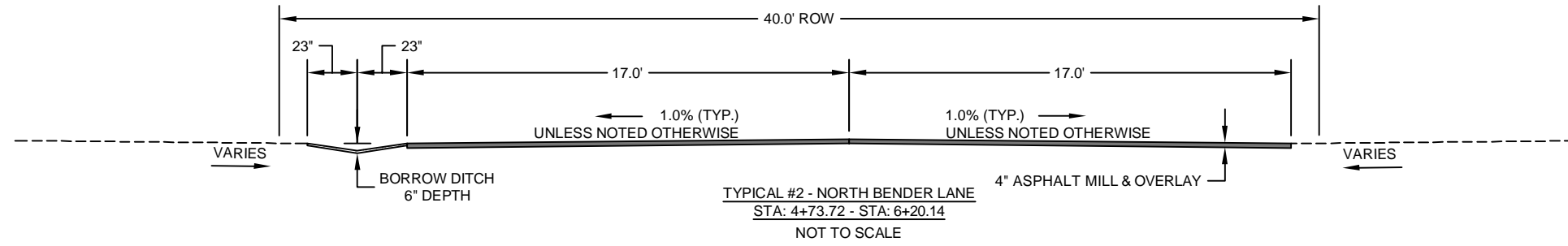
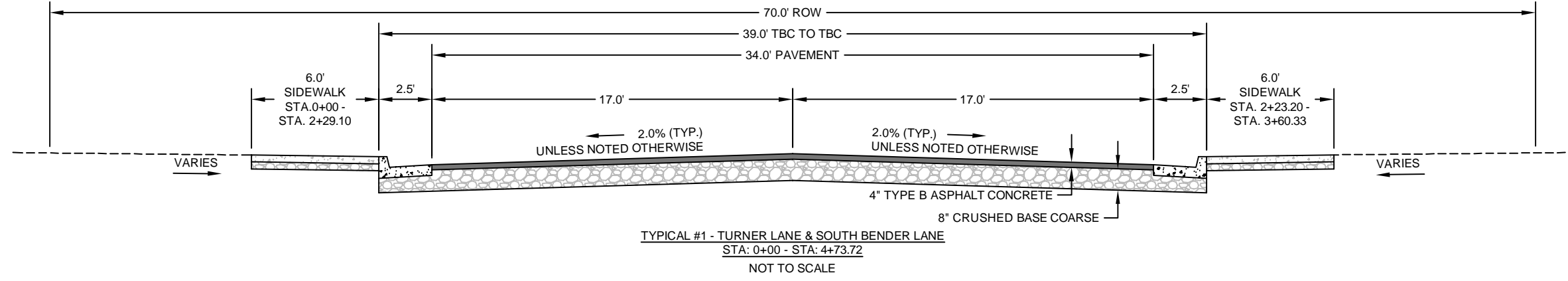
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SCOTT GERBER
 BENDER SUBDIVISION
SURVEY CONTROL
 SHERIDAN COUNTY, WYOMING

DESIGNED BY: SER
 DRAWN BY: CIG
 CHECKED BY: CDR
 DATE: 08/03/2022
 SHEET
3

PROJECT NO. 2021-115

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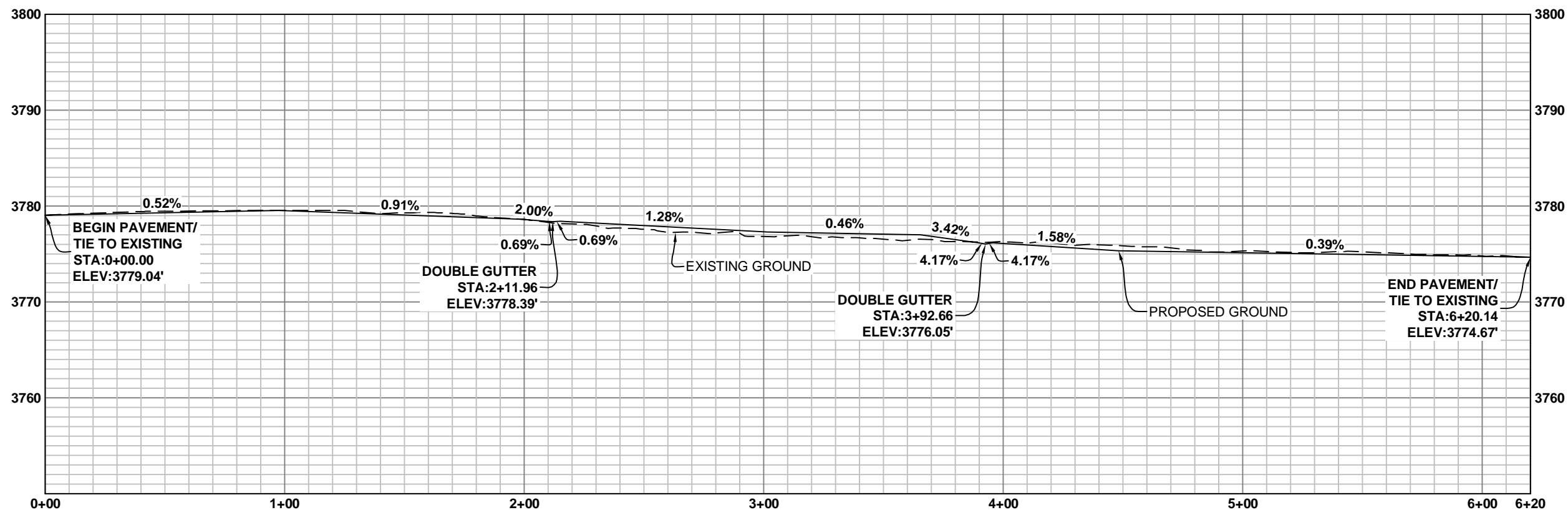
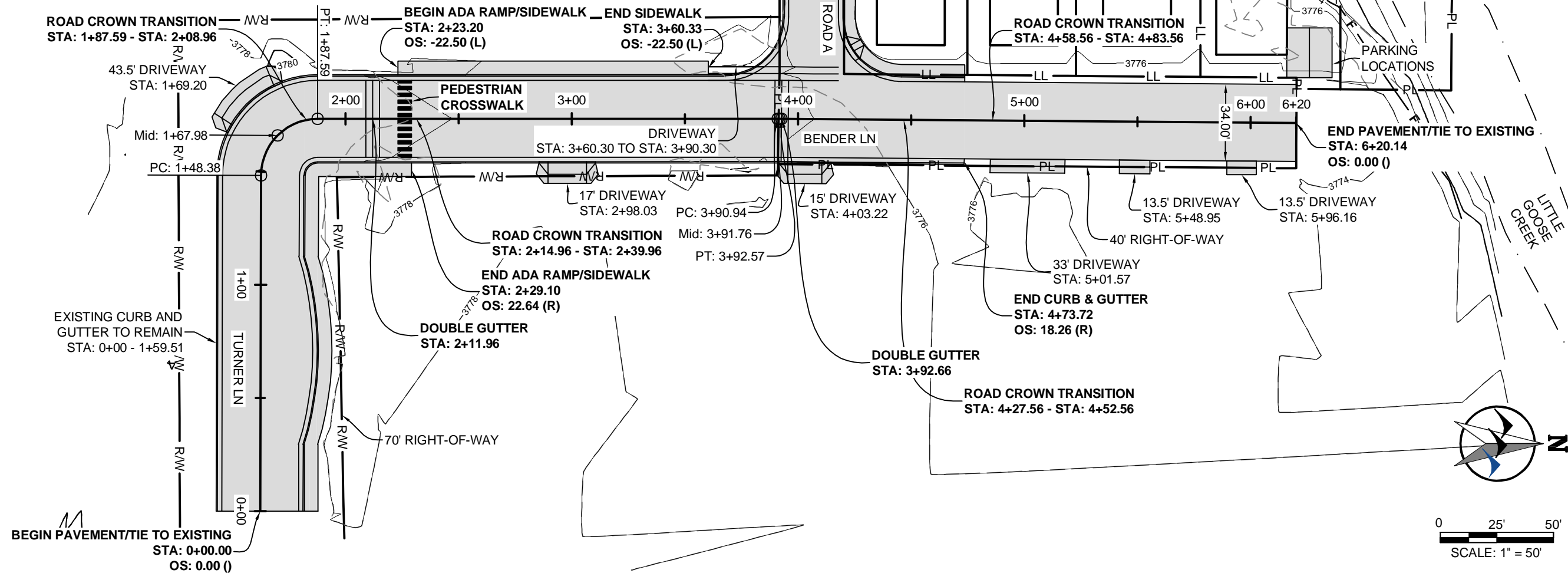
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SCOTT GERBER
 BENDER SUBDIVISION
TYPICAL ROAD SECTION
 SHERIDAN COUNTY, WYOMING

DESIGNED BY: SER
 DRAWN BY: CIG
 CHECKED BY: CDR
 DATE: 08/03/2022

FINAL

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NO.	REVISION	BY	DATE

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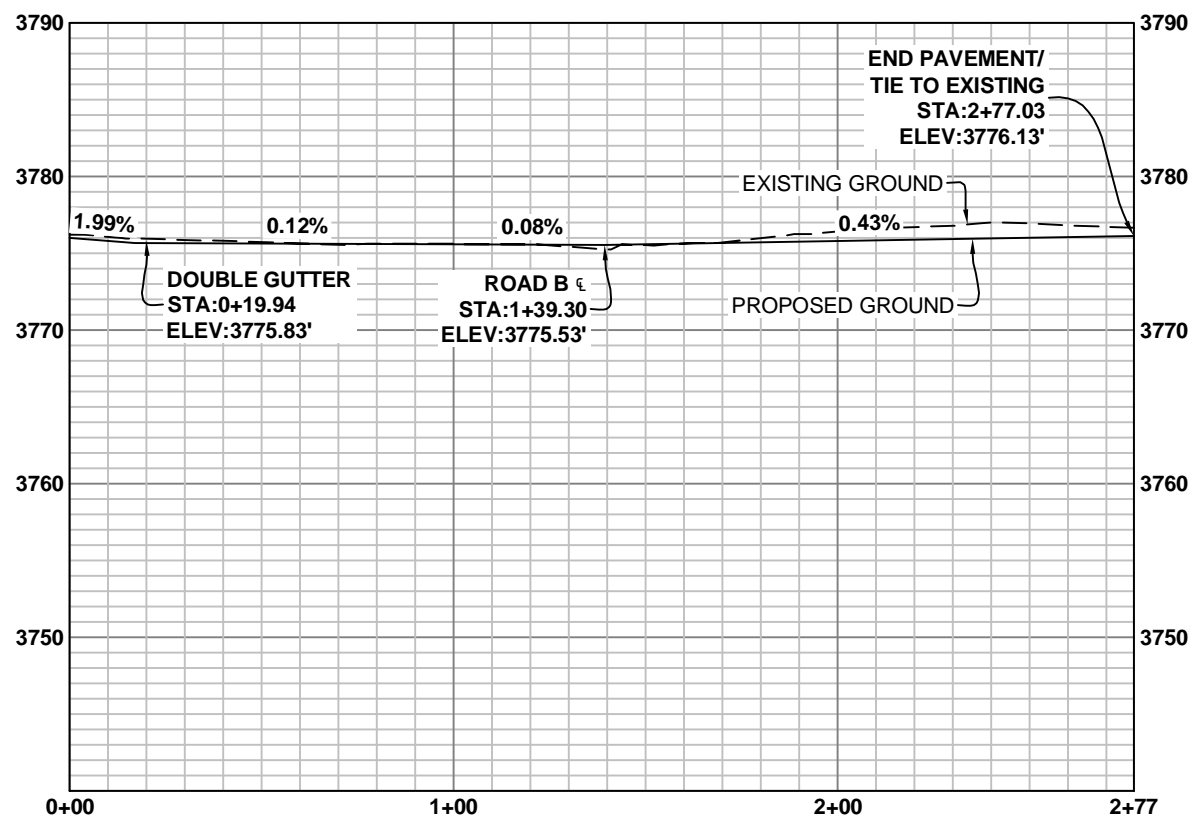
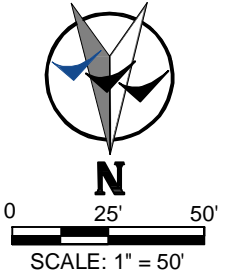
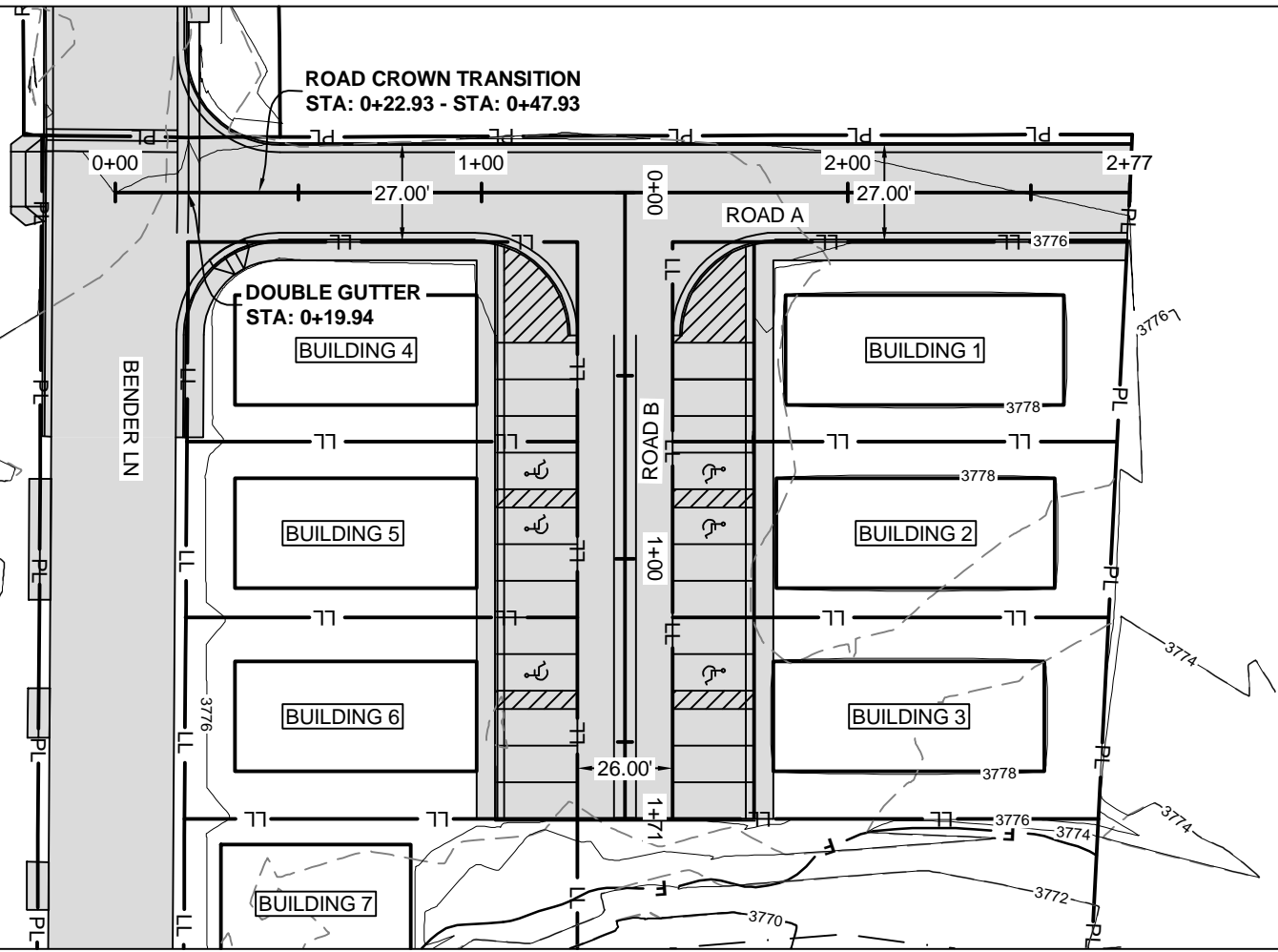
SCOTT GERBER
BENDER SUBDIVISION
ROAD PLAN AND PROFILE SHEET
SHERIDAN COUNTY, WYOMING

DESIGNED BY: SER
DRAWN BY: CIG
CHECKED BY: CDR
DATE: 08/03/2022

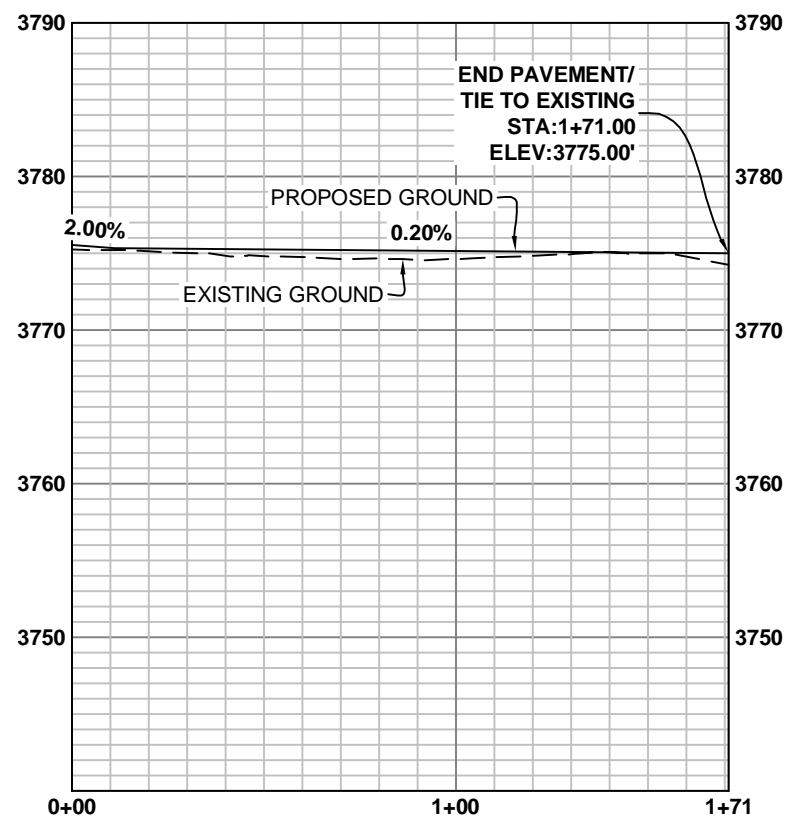
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ROAD A



ROAD B

NO.	REVISION	BY	DATE

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SCOTT GERBER
 BENDER SUBDIVISION
ROAD PLAN AND PROFILE SHEET
 SHERIDAN COUNTY, WYOMING

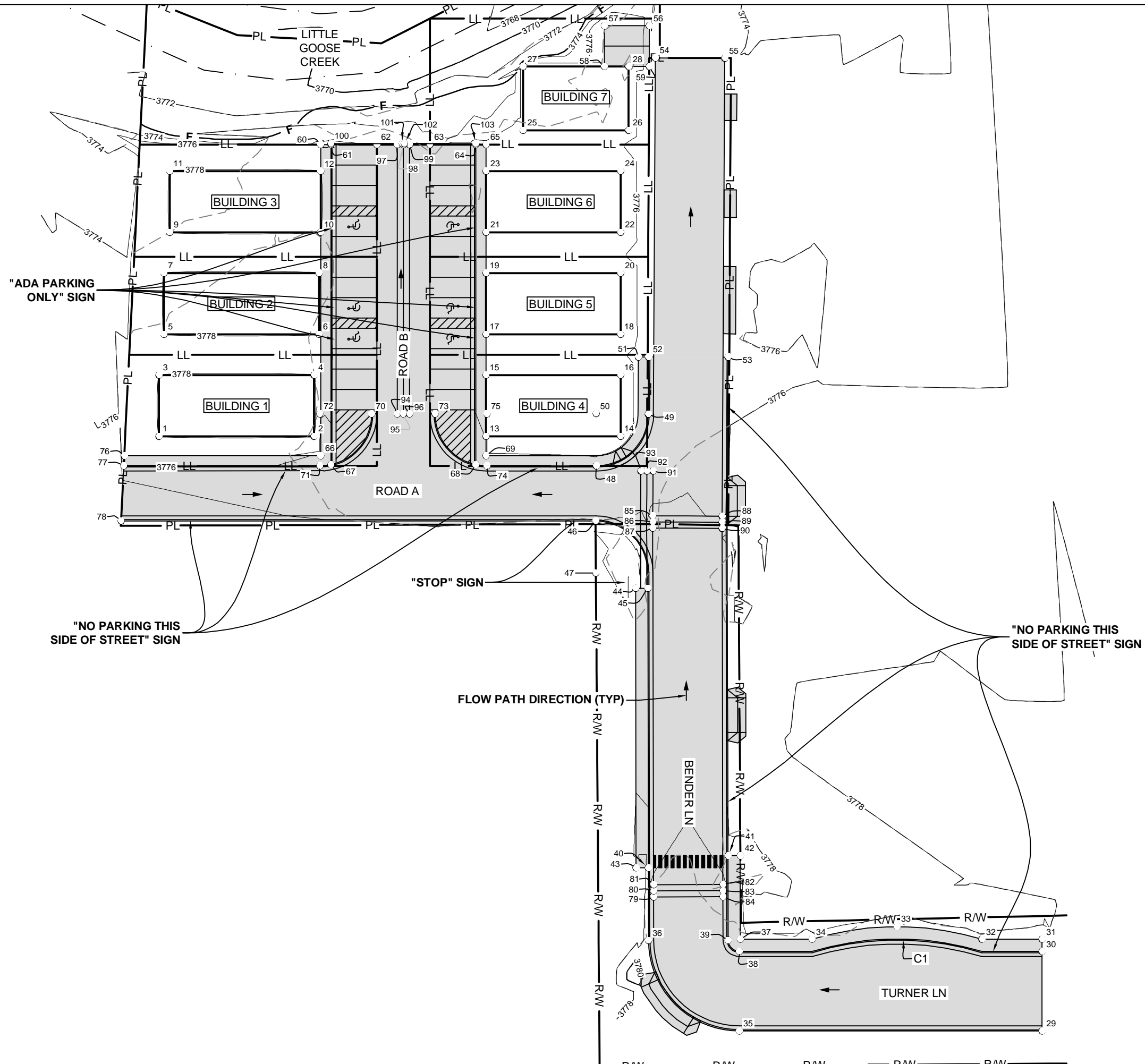
DESIGNED BY: SER
 DRAWN BY: CIG
 CHECKED BY: CDR
 DATE: 08/03/2022

SHEET
6

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PROJECT NO. 2021-115

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NO.	REVISION	BY	DATE

PREPARED BY

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 www.wwcengineering.com

SCOTT GERBER
 BENDER SUBDIVISION
SITE GRADING
 SHERIDAN COUNTY, WYOMING

DESIGNED BY: SER
 DRAWN BY: CIG
 CHECKED BY: CDR
 DATE: 08/03/2022

PROJECT NO. 2021-115

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Point Table				
Point	Northing	Easting	Elevation	Description
1	1888455.16	1411860.16	3778.00	BUILDING
2	1888455.16	1411936.16	3778.00	BUILDING
3	1888485.16	1411860.16	3778.00	BUILDING
4	1888485.16	1411936.16	3778.00	BUILDING
5	1888505.16	1411862.64	3778.00	BUILDING
6	1888505.16	1411938.64	3778.00	BUILDING
7	1888535.16	1411862.64	3778.00	BUILDING
8	1888535.16	1411938.64	3778.00	BUILDING
9	1888555.16	1411865.48	3778.00	BUILDING
10	1888555.13	1411939.39	3778.00	BUILDING
11	1888585.16	1411865.48	3778.00	BUILDING
12	1888585.08	1411939.49	3778.00	BUILDING
13	1888455.16	1412020.49	3777.00	BUILDING
14	1888455.16	1412086.49	3777.00	BUILDING
15	1888485.16	1412020.49	3777.00	BUILDING
16	1888485.16	1412086.49	3777.00	BUILDING
17	1888505.16	1412020.49	3777.00	BUILDING
18	1888505.16	1412086.49	3777.00	BUILDING
19	1888535.16	1412020.49	3777.00	BUILDING
20	1888535.16	1412086.49	3777.00	BUILDING
21	1888555.16	1412020.49	3777.00	BUILDING
22	1888555.16	1412086.49	3777.00	BUILDING
23	1888585.16	1412020.49	3777.00	BUILDING
24	1888585.16	1412086.49	3777.00	BUILDING
25	1888605.16	1412038.62	3777.00	BUILDING
26	1888605.16	1412090.39	3777.00	BUILDING
27	1888636.36	1412038.62	3777.00	BUILDING
28	1888636.36	1412090.39	3777.00	BUILDING
29	1888163.54	1412293.02	3779.11	TBC/TIE TO EXISTING
30	1888202.54	1412293.02	3779.11	TBC/TIE TO EXISTING
31	1888208.54	1412293.02	3779.20	EDGE OF SIDEWALK
32	1888208.54	1412263.55	3779.36	EDGE OF SIDEWALK
33	1888214.73	1412221.93	3779.45	EDGE OF SIDEWALK
34	1888208.54	1412180.31	3779.57	EDGE OF SIDEWALK
35	1888163.54	1412144.64	3779.15	TBC/POT
36	1888207.95	1412100.14	3778.80	TBC/POT
37	1888208.54	1412145.14	3779.01	EDGE OF SIDEWALK
38	1888202.54	1412144.64	3779.15	TBC/POT


Point Table				
Point	Northing	Easting	Elevation	Description
39	1888208.03	1412139.14	3778.80	TBC/POT
40	1888243.55	1412100.05	3778.38	TBC
41	1888249.55	1412139.20	3778.31	TBC
42	1888249.55	1412145.20	3778.47	EDGE OF SIDEWALK
43	1888243.55	1412094.07	3777.45	EDGE OF SIDEWALK
44	1888380.68	1412093.77	3777.19	EDGE OF SIDEWALK
45	1888380.65	1412099.77	3777.11	TBC
46	1888413.66	1412074.25	3776.55	TBC/POT
47	1888388.16	1412074.25	3776.13	28' RADIUS POINT
48	1888440.66	1412074.52	3775.95	TBC/POT
49	1888466.00	1412100.02	3775.01	TBC/POT
50	1888466.32	1412074.43	3778.00	28' RADIUS POINT
51	1888494.00	1412095.19	3775.42	EDGE OF SIDEWALK
52	1888494.00	1412100.19	3775.35	TBC
53	1888494.00	1412139.20	3775.36	TBC
54	1888640.64	1412103.56	3774.50	EDGE OF ROAD
55	1888640.44	1412137.56	3774.50	EDGE OF ROAD
56	1888656.36	1412100.54	3776.56	PARKING
57	1888656.36	1412078.54	3777.00	PARKING
58	1888636.36	1412078.54	3777.00	PARKING
59	1888636.36	1412100.54	3776.56	PARKING
60	1888598.16	1411939.49	3776.38	EDGE OF SIDEWALK
61	1888598.16	1411944.49	3776.31	TBC
62	1888598.16	1411966.99	3775.33	EDGE OF ROAD
63	1888598.16	1411992.99	3775.33	EDGE OF ROAD
64	1888598.16	1412015.49	3776.31	TBC
65	1888598.16	1412020.49	3776.38	EDGE OF SIDEWALK
66	1888445.66	1411939.49	3775.71	EDGE OF SIDEWALK
67	1888441.26	1411944.49	3775.66	TBC
68	1888441.26	1412015.49	3775.54	TBC
69	1888445.66	1412020.49	3775.85	EDGE OF SIDEWALK
70	1888466.07	1411964.49	3775.68	TBC/POT
71	1888440.66	1411938.99	3775.66	TBC/POT
72	1888466.16	1411938.99	3776.28	28' RADIUS POINT
73	1888466.16	1411995.49	3775.68	TBC/POT
74	1888440.66	1412020.99	3775.52	TBC/POT
75	1888466.16	1412020.99	3776.50	28' RADIUS POINT
76	1888445.66	1411843.18	3776.40	EDGE OF SIDEWALK

Point Table				
Point	Northing	Easting	Elevation	Description
77	1888440.66	1411842.93	3776.32	TBC
78	1888413.66	1411841.59	3776.90	TBC
79	1888229.31	1412102.60	3778.07	EDGE OF DOUBLE GUTTER
80	1888232.32	1412102.59	3777.94	FLOWLINE OF DOUBLE GUTTER
81	1888235.32	1412102.58	3778.07	EDGE OF DOUBLE GUTTER
82	1888235.40	1412136.58	3778.07	EDGE OF DOUBLE GUTTER
83	1888232.40	1412136.59	3777.99	FLOWLINE OF DOUBLE GUTTER
84	1888229.40	1412136.60	3778.07	EDGE OF DOUBLE GUTTER
85	1888416.16	1412102.22	3776.18	EDGE OF DOUBLE GUTTER
86	1888413.16	1412102.20	3776.05	FLOWLINE OF DOUBLE GUTTER
87	1888410.16	1412102.20	3776.18	EDGE OF DOUBLE GUTTER
88	1888415.95	1412136.22	3776.18	EDGE OF DOUBLE GUTTER
89	1888412.95	1412136.20	3776.13	FLOWLINE OF DOUBLE GUTTER
90	1888409.95	1412136.20	3776.18	EDGE OF DOUBLE GUTTER
91	1888438.16	1412102.35	3775.62	EDGE OF DOUBLE GUTTER
92	1888438.16	1412099.35	3775.56	FLOWLINE OF DOUBLE GUTTER
93	1888438.16	1412096.35	3775.62	EDGE OF DOUBLE GUTTER
94	1888466.16	1411976.99	3775.38	EDGE OF DOUBLE GUTTER
95	1888466.16	1411979.99	3775.26	FLOWLINE OF DOUBLE GUTTER
96	1888466.16	1411982.99	3775.38	EDGE OF DOUBLE GUTTER
96	1888466.16	1411982.99	3775.38	EDGE OF DOUBLE GUTTER
97	1888598.16	1411976.99	3775.13	EDGE OF DOUBLE GUTTER
98	1888598.16	1411979.99	3775.00	FLOWLINE OF DOUBLE GUTTER
99	1888598.16	1411982.99	3775.13	EDGE OF DOUBLE GUTTER
100	1888598.66	1411944.49	3776.31	TBC
101	1888598.66	1411979.49	3776.31	TBC/EDGE OF CONCRETE CHANNEL
102	1888598.66	1411980.49	3776.31	TBC/EDGE OF CONCRETE CHANNEL
103	1888598.66	1412015.49	3776.31	TBC

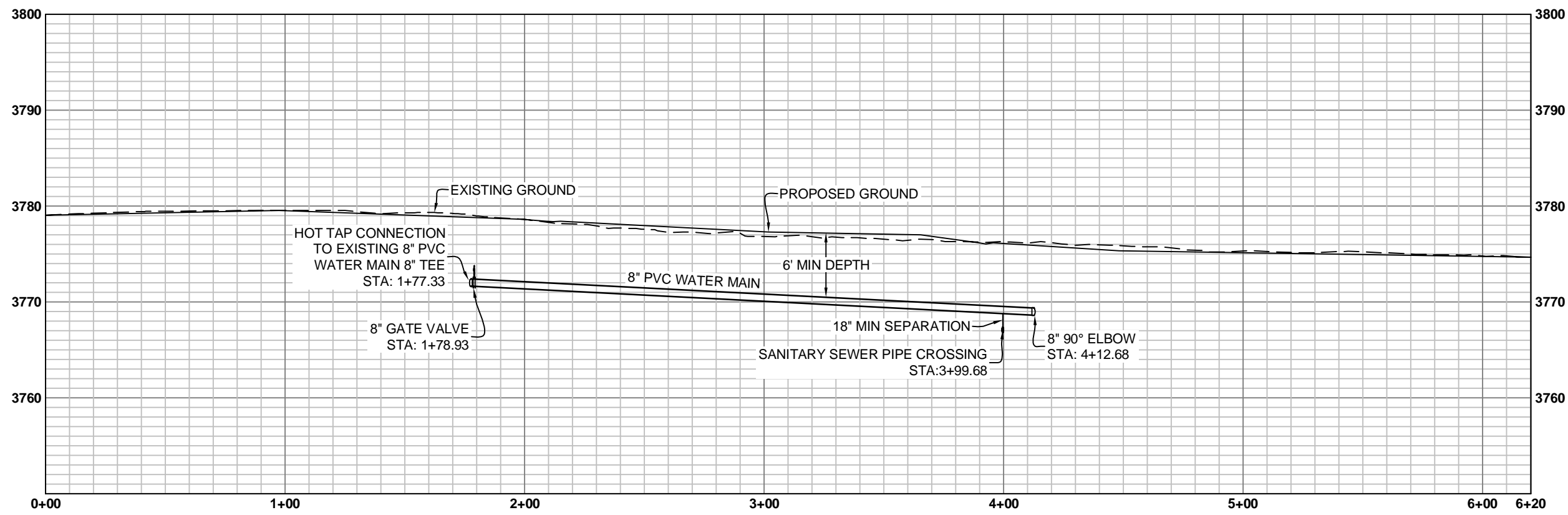
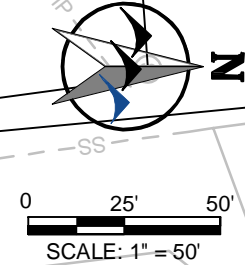
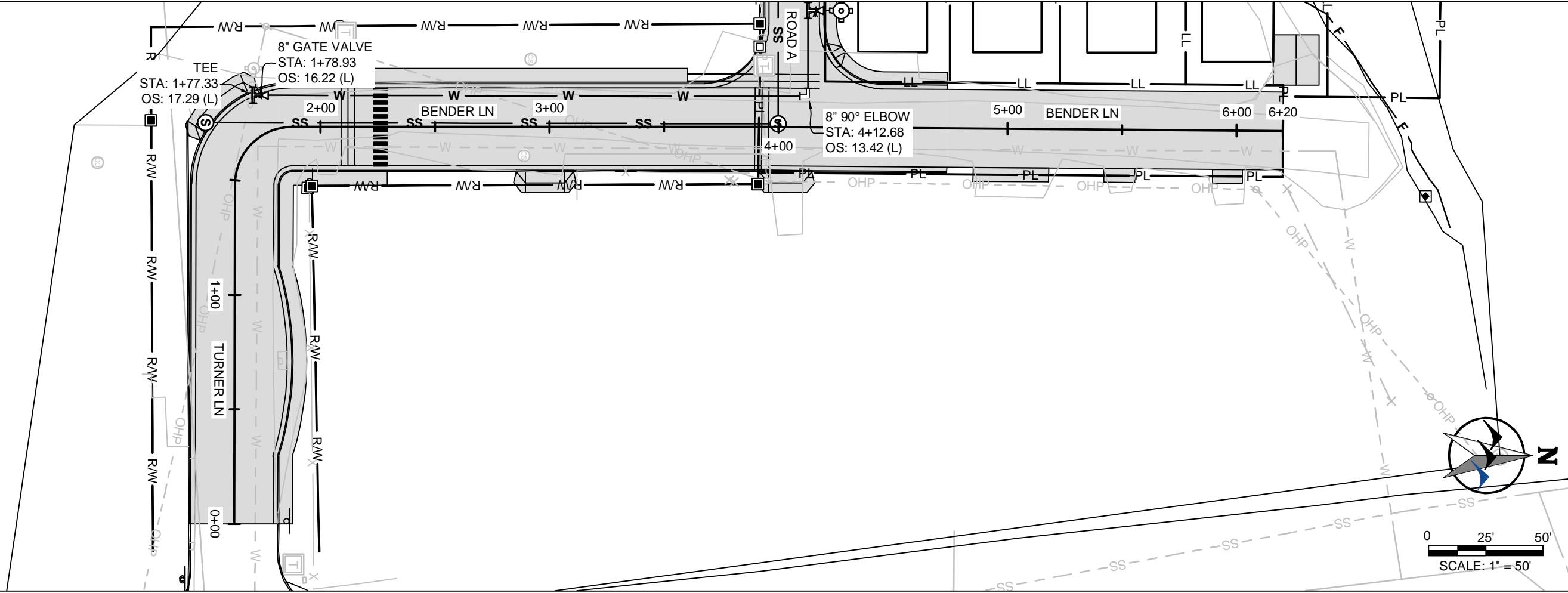
Curve Table					
Curve No.	Radius	Length	Delta	Chord Bearing	Chord Length
C1	150.03	84.35	32°12'50"	N89°35'55"E	83.25

TURNER LANE POINTS: 32 - 34
STA: 0+25 - STA: 1+13

FINAL

NO.	REVISION	BY	DATE
 WWC ENGINEERING 1849 TERRA AVE SHERIDAN, WY 82801 (307) 672-0761 www.wwcengineering.com			
PREPARED BY: SCOTT GERBER BENDER SUBDIVISION SITE GRADING TABLE SHERIDAN COUNTY, WYOMING			
DESIGNED BY: SER DRAWN BY: CIG CHECKED BY: CDR DATE: 08/03/2022			
SHEET 8			
PROJECT NO. 2021-115			

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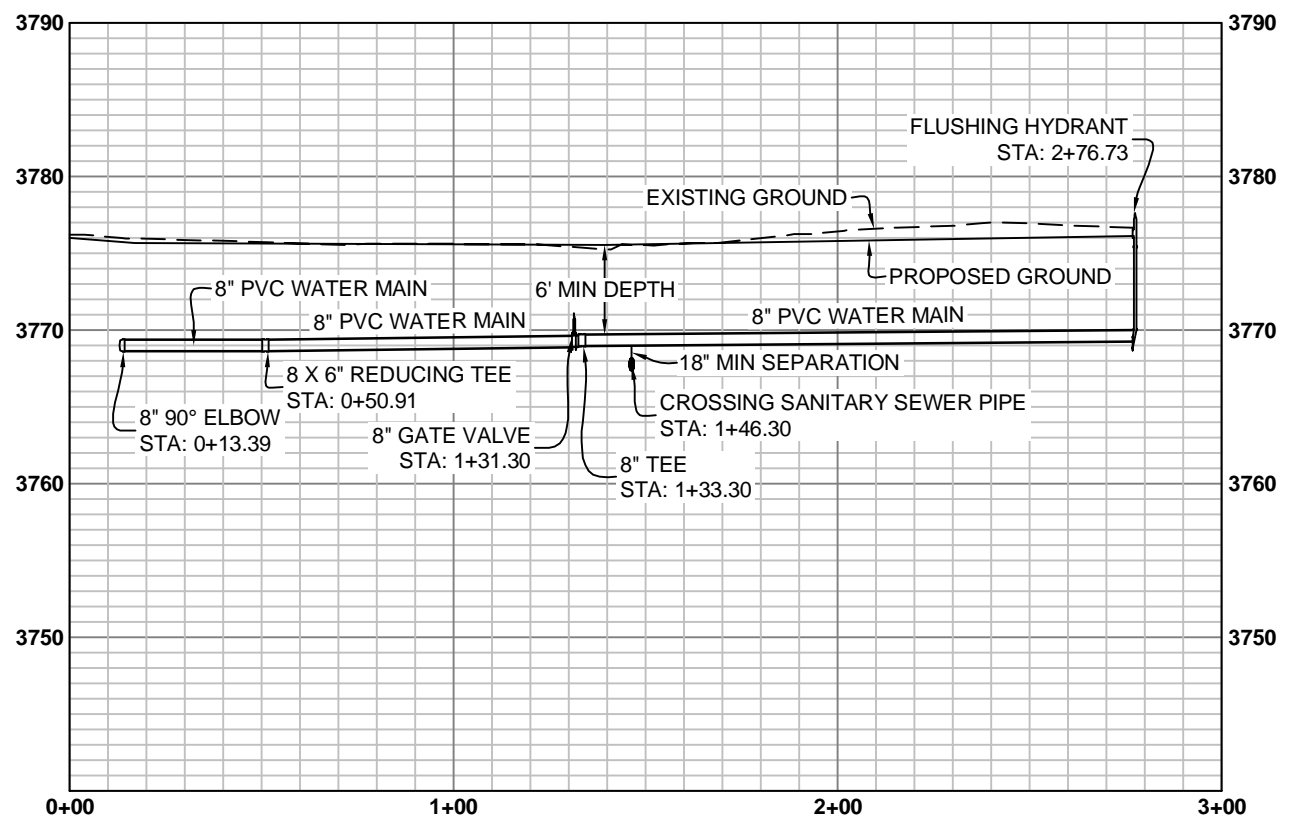
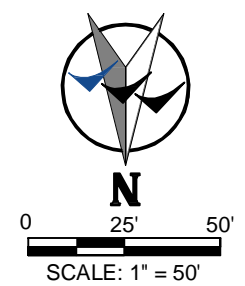
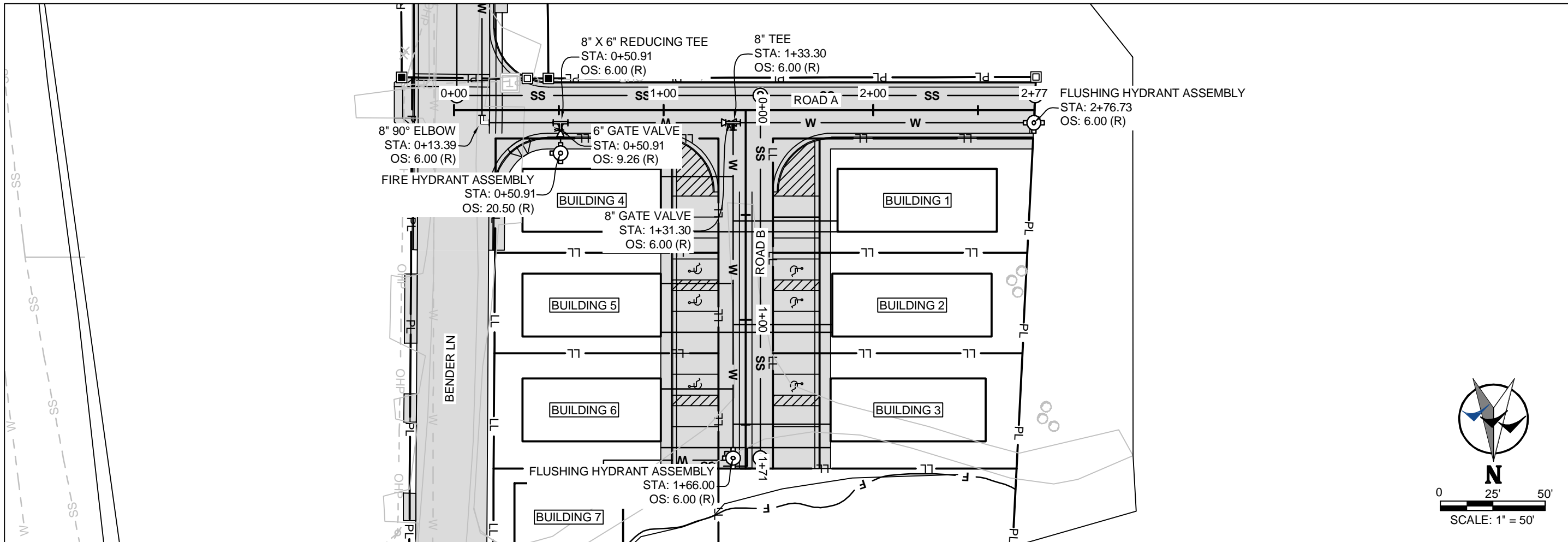
PROJECT NO. 2021-115

SCOTT GERBER
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WATER PLAN AND PROFILE SHEET
 SHERIDAN COUNTY, WYOMING

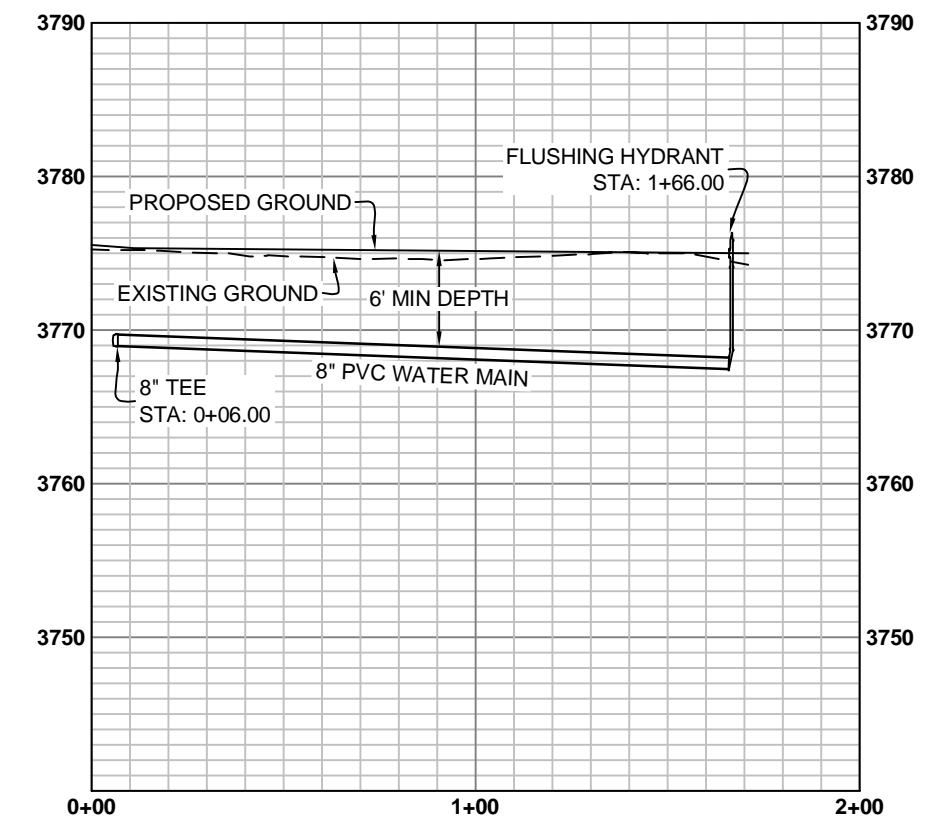
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ROAD A



ROAD B

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WATER PLAN AND PROFILE SHEET
 SHERIDAN COUNTY, WYOMING

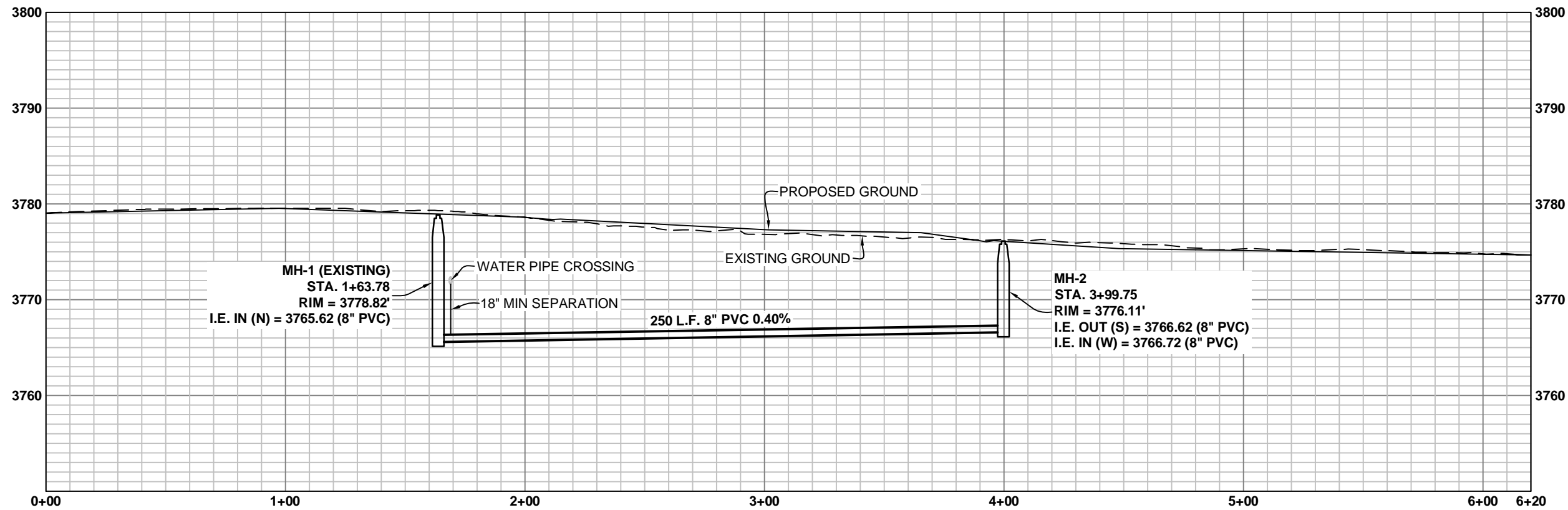
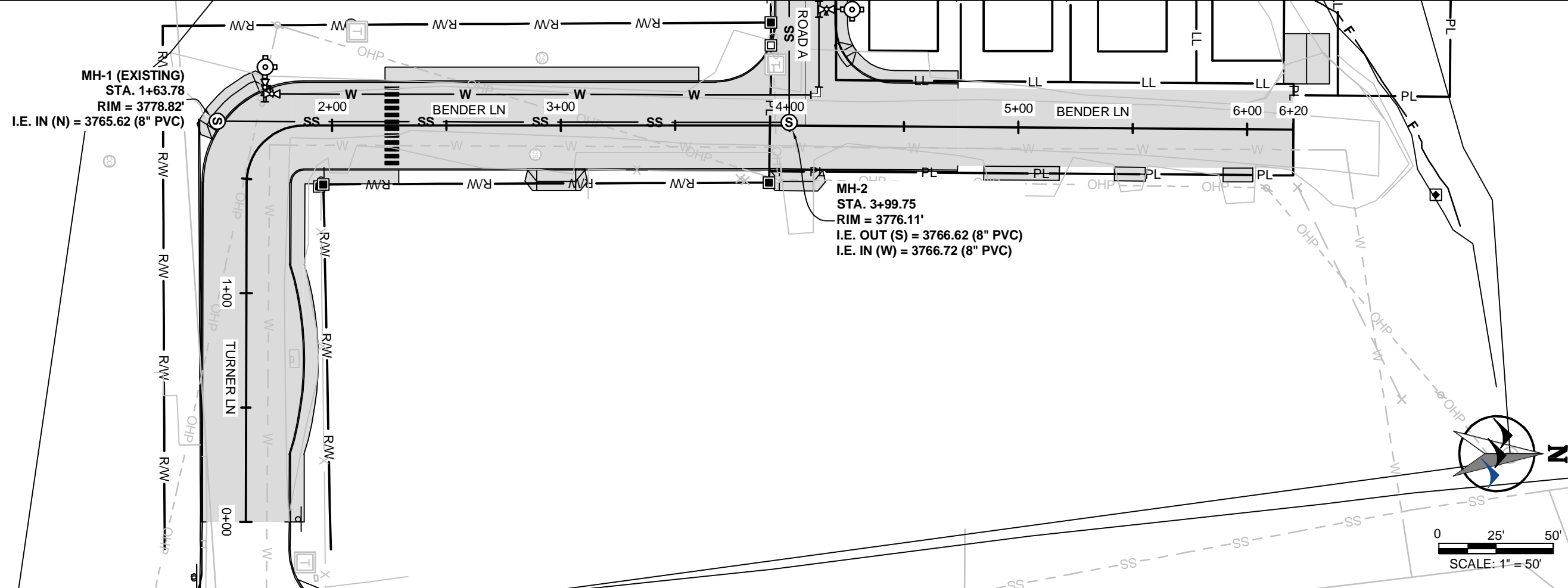
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SHEET
10

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PROJECT NO. 2021-115

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SANITARY SEWER PLAN AND PROFILE SHEET
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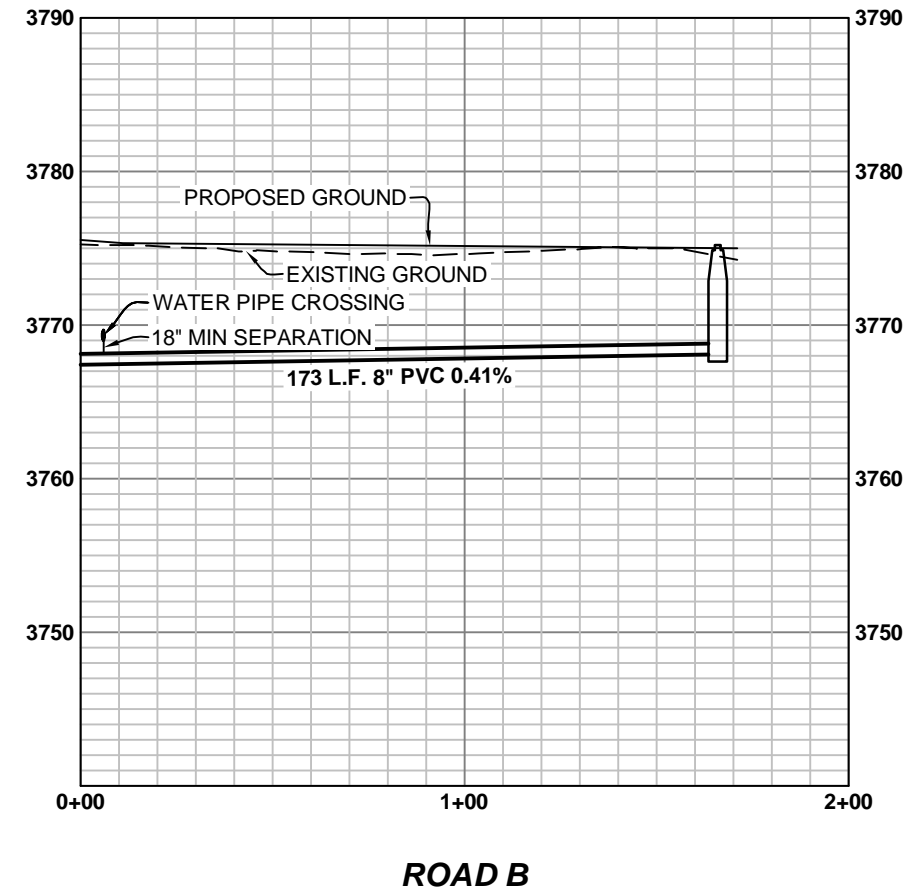
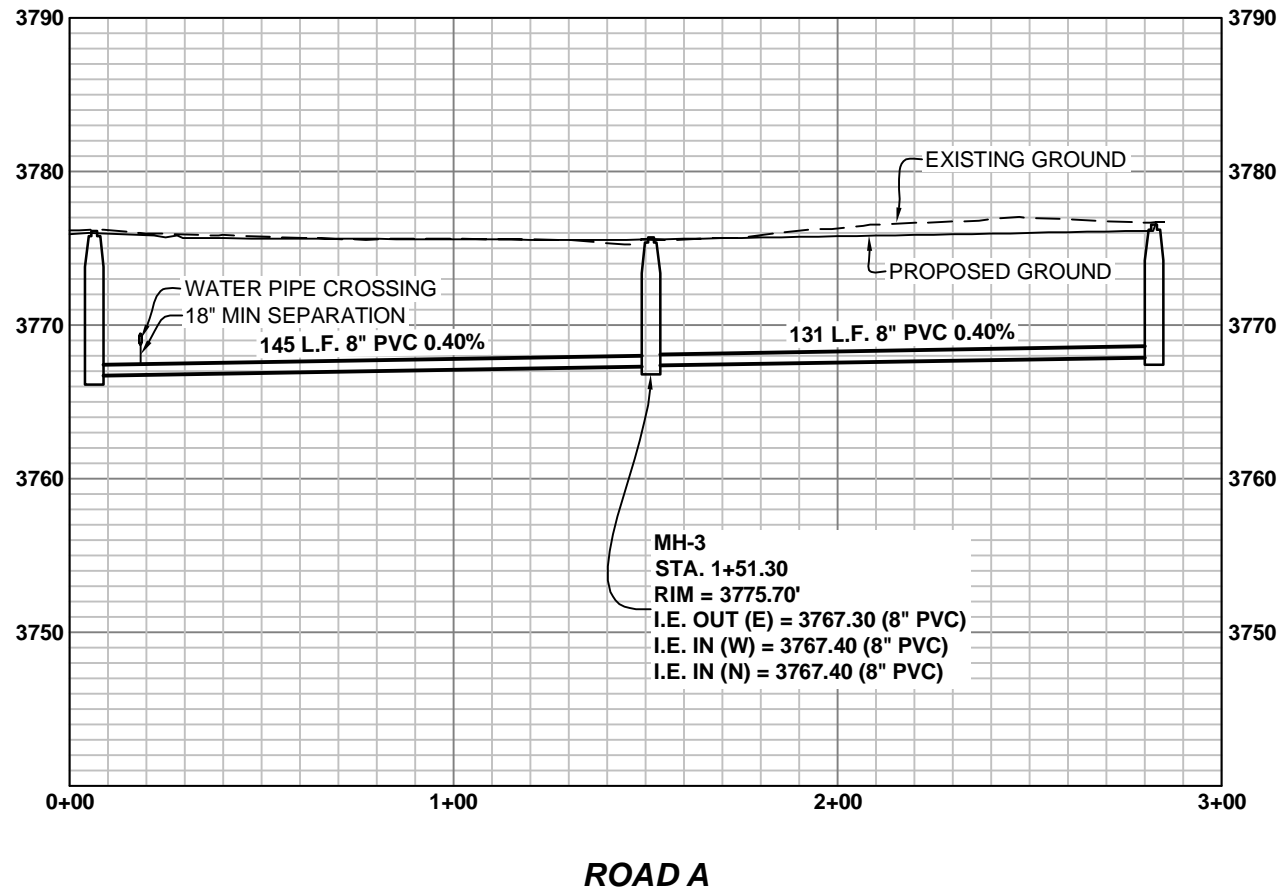
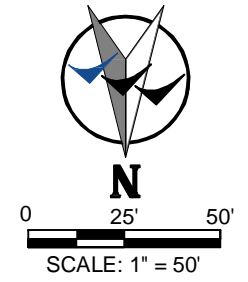
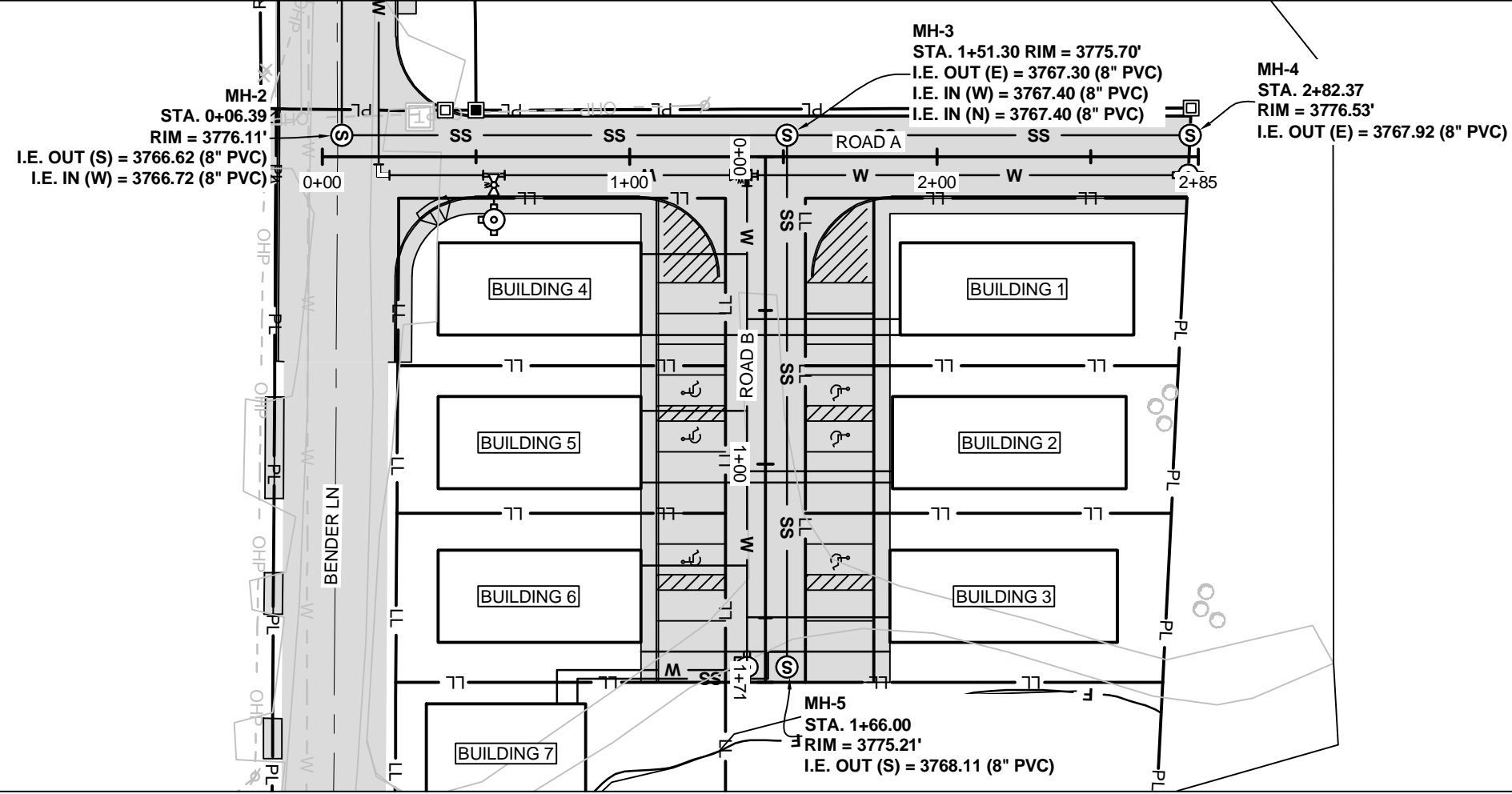
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PROJECT NO. 2021-115

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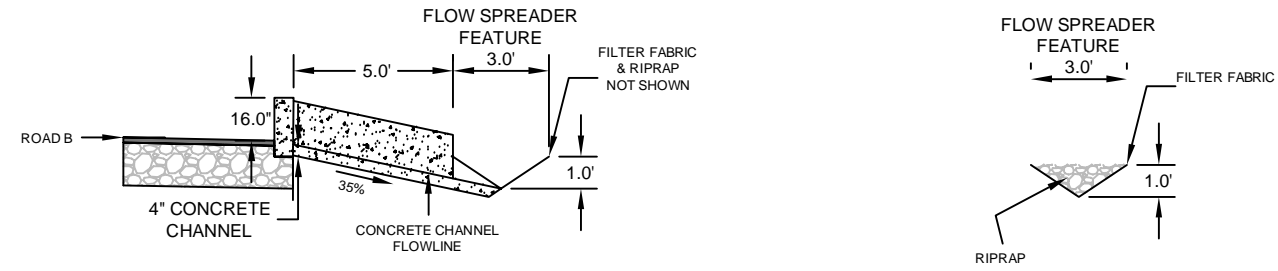
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SANITARY SEWER PLAN AND PROFILE SHEET
 SHERIDAN COUNTY, WYOMING

DESIGNED BY: SEB
 DRAWN BY: CIG
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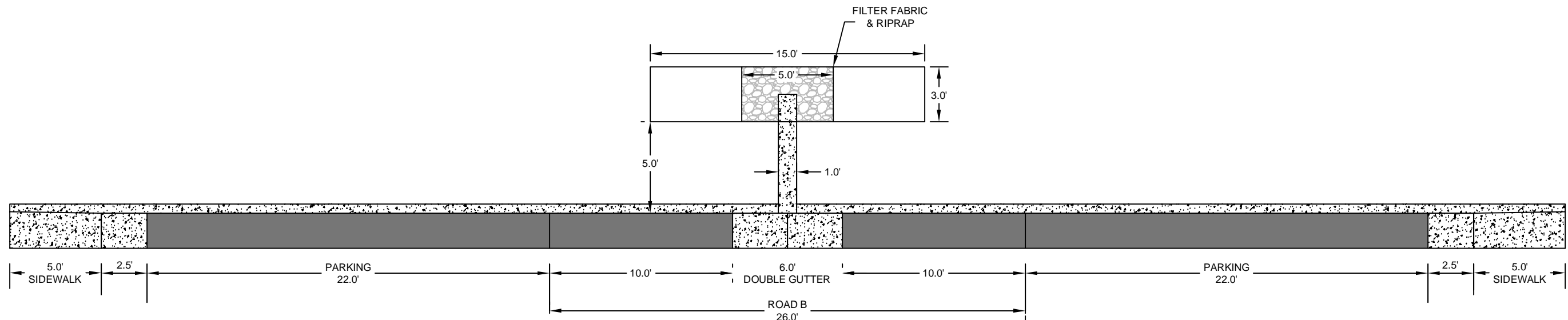
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PROJECT NO. 2021-115

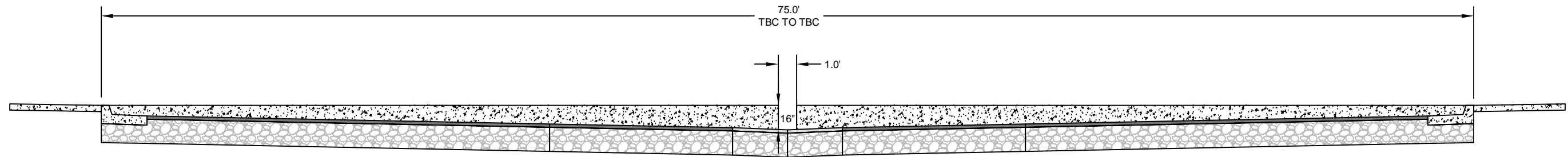
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CONCRETE CHANNEL
& FLOW SPREADER FEATURE
ROAD B - PROFILE VIEW
NOT TO SCALE




CONCRETE CHANNEL
& FLOW SPREADER FEATURE
ROAD B - PLAN VIEW
NOT TO SCALE



CONCRETE CHANNEL - ROAD B
STA: 1+71
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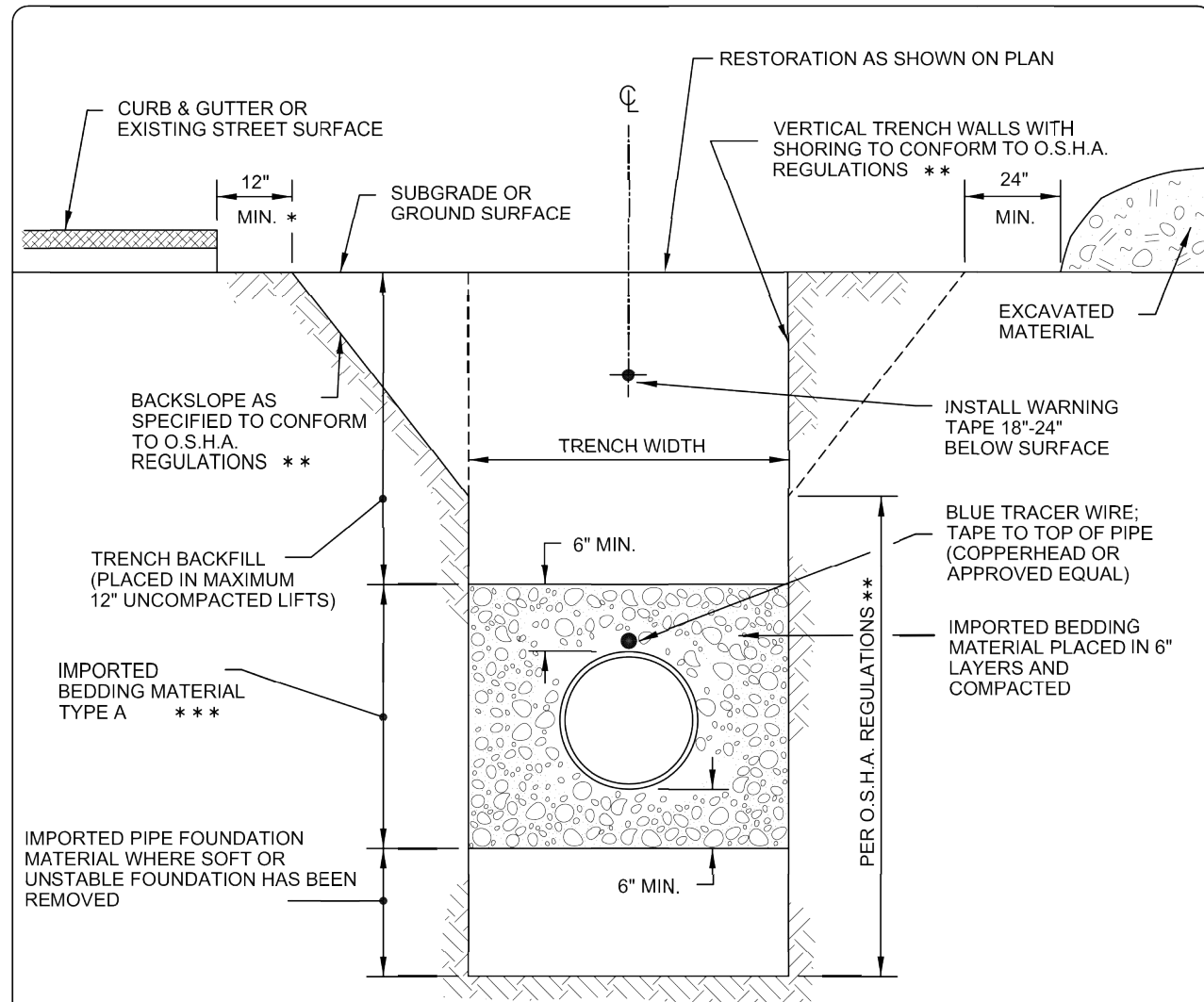
SCOTT GERBER
 BENDER SUBDIVISION
STORM DRAINAGE DETAIL
 SHERIDAN COUNTY, WYOMING

DESIGNED BY: SER
 DRAWN BY: CIG
 CHECKED BY: CDR
 DATE: 08/03/2022

SHEET
13

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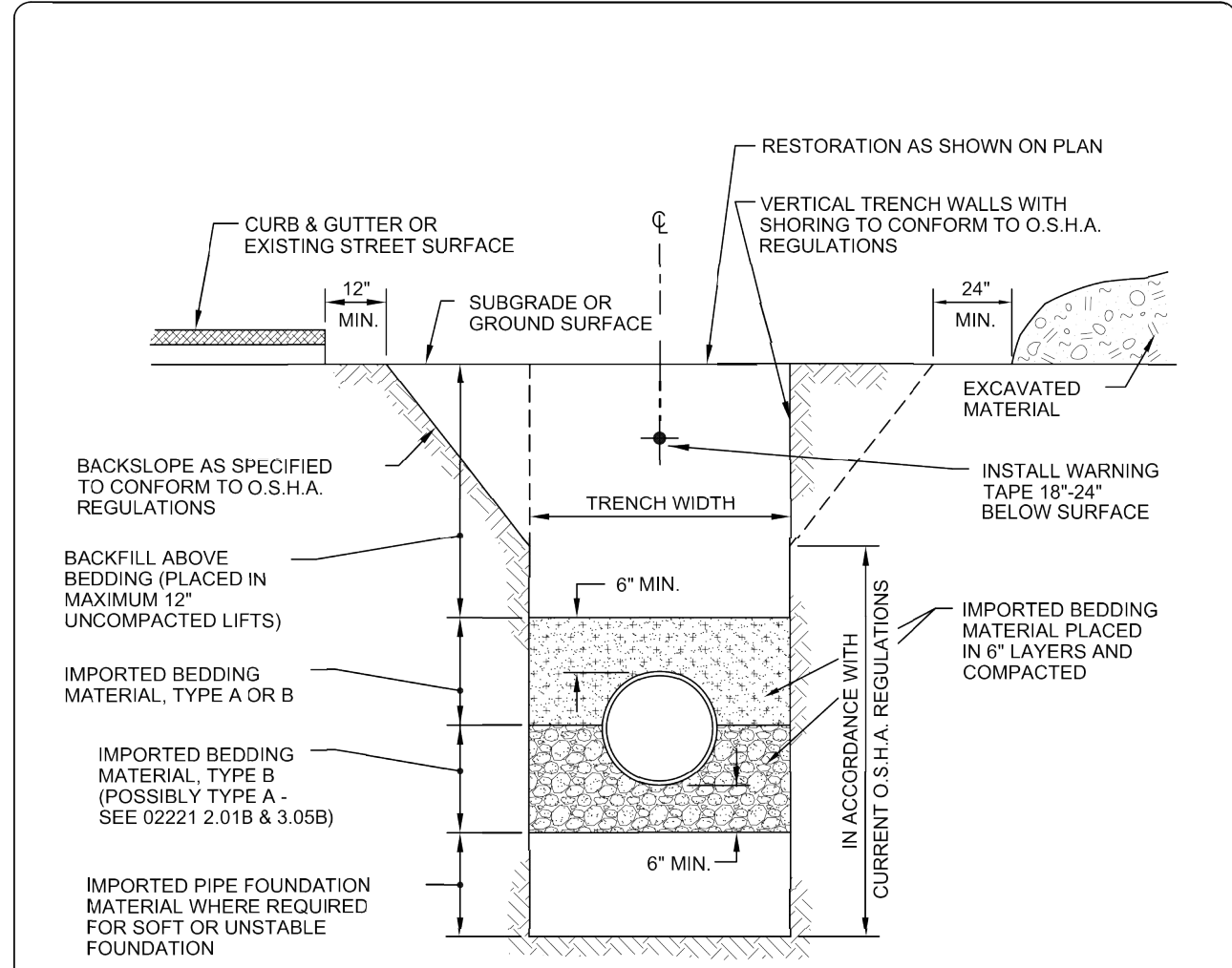
NOTES:

- * WHERE TRENCH PASSES THROUGH EXISTING PAVEMENT, THE PAVEMENT SHALL BE CUT ALONG A NEAT, VERTICAL LINE A MIN. OF 12" FROM THE EDGE OF THE TRENCH OPENING. WHERE NEAT LINE IS LESS THAN 3' FROM EDGE OF EXISTING PAVEMENT OR CURB & GUTTER SECTION, REMOVE AND REPLACE ENTIRE PAVEMENT SECTION BETWEEN TRENCH AND EDGE OF PAVEMENT OR CURB & GUTTER SECTION.
- ** SEE O.S.H.A. SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, SECTION 1926.652. TRENCH WALLS SHALL BE IN COMPLIANCE WITH THE CURRENT O.S.H.A. REQUIREMENTS.
- *** SEE SPECIFICATIONS (SECTION 02221).

NOT TO SCALE

TYPICAL WATER MAIN TRENCH DETAIL

DWG. NO. **02221-2.01Ba**
CITY of SHERIDAN
 NOVEMBER 2015



NOTES:

1. THE TRENCH BOTTOM SHALL BE FREE FROM LARGE STONES, DIRT CLOUDS, AND ANY FROZEN MATERIAL PRIOR TO PLACING PIPE.
2. BELL HOLES SHALL BE PROVIDED TO ENSURE A UNIFORMLY SUPPORTED PIPE.
3. PIPE BEDDING SHALL BE PER SPECIFICATIONS (02221).
4. ROLLING EQUIPMENT MAY BE USED WHEN 18" OF FILL HAS BEEN PLACED ABOVE THE PIPE.
5. COMPLY W/ ALL CURRENT O.S.H.A. REGULATIONS FOR TRENCH EXCAVATION.
6. WHERE TRENCH PASSES THROUGH EXISTING PAVEMENT, THE PAVEMENT SHALL BE CUT ALONG A NEAT, VERTICAL LINE A MIN. OF 12" FROM THE EDGE OF THE TRENCH OPENING. WHERE NEAT LINE IS LESS THAN 3' FROM EDGE OF EXISTING PAVEMENT OR CURB & GUTTER SECTION, REMOVE AND REPLACE ENTIRE PAVEMENT SECTION BETWEEN TRENCH AND EDGE OF PAVEMENT OR CURB & GUTTER SECTION.

NOT TO SCALE

TYPICAL SANITARY SEWER TRENCH DETAIL

DWG. NO. **02221-2.01Bb**
CITY of SHERIDAN
 NOVEMBER 2015

NO.	REVISION	BY	DATE

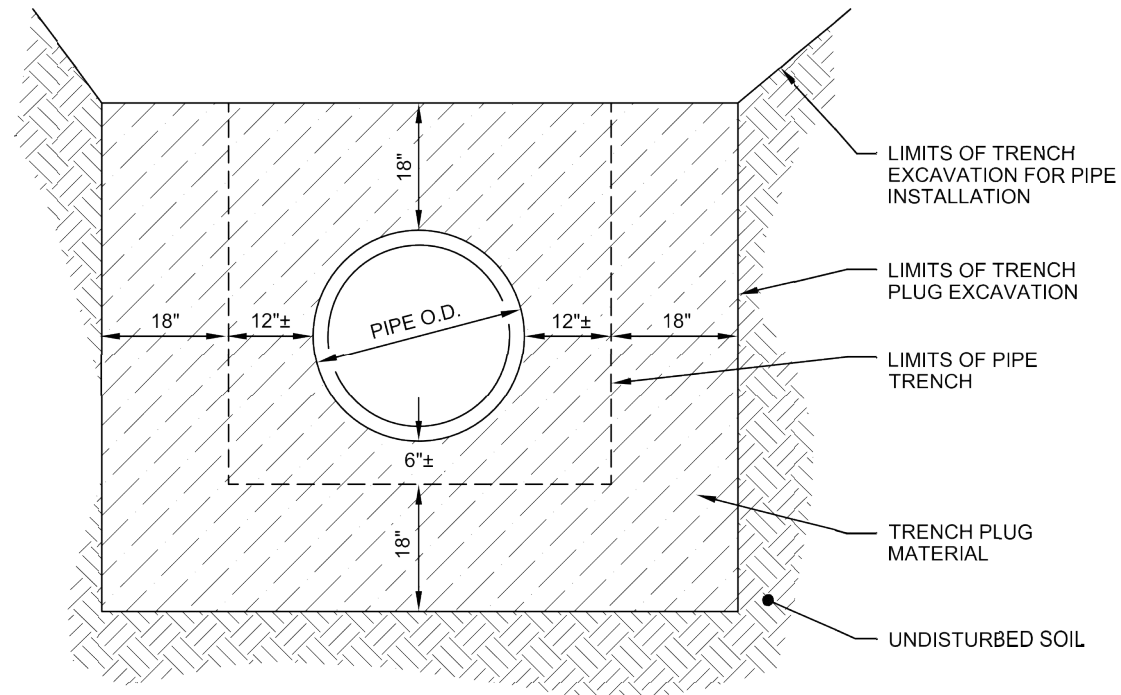
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 SHERIDAN COUNTY, WYOMING

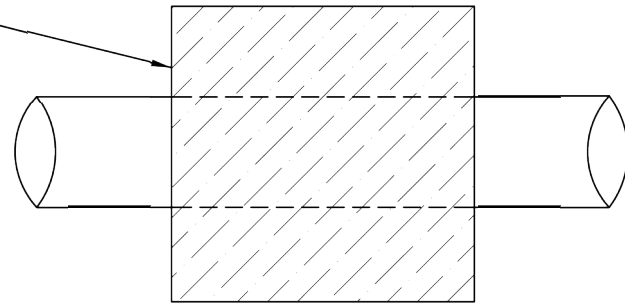
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PLUG SHALL BE CENTERED ON ONE FULL SECTION OF PIPE



NOTES:

1. TRENCH PLUG SHALL BE 4 FEET LONG (MIN.) AND INSTALLED AT 200 FOOT INTERVALS, UNLESS REQUESTED OTHERWISE BY THE ENGINEER.
2. TRENCH PLUG MATERIAL IS TO COMPLY WITH SPECIFICATION 02221 2.01E.
3. TRENCH PLUG MATERIAL IS TO BE PLACED AT A MIN. OF 95% MAX. DRY DENSITY (ASTM D698) AT 1% - 3% ABOVE OPTIMUM MOISTURE.

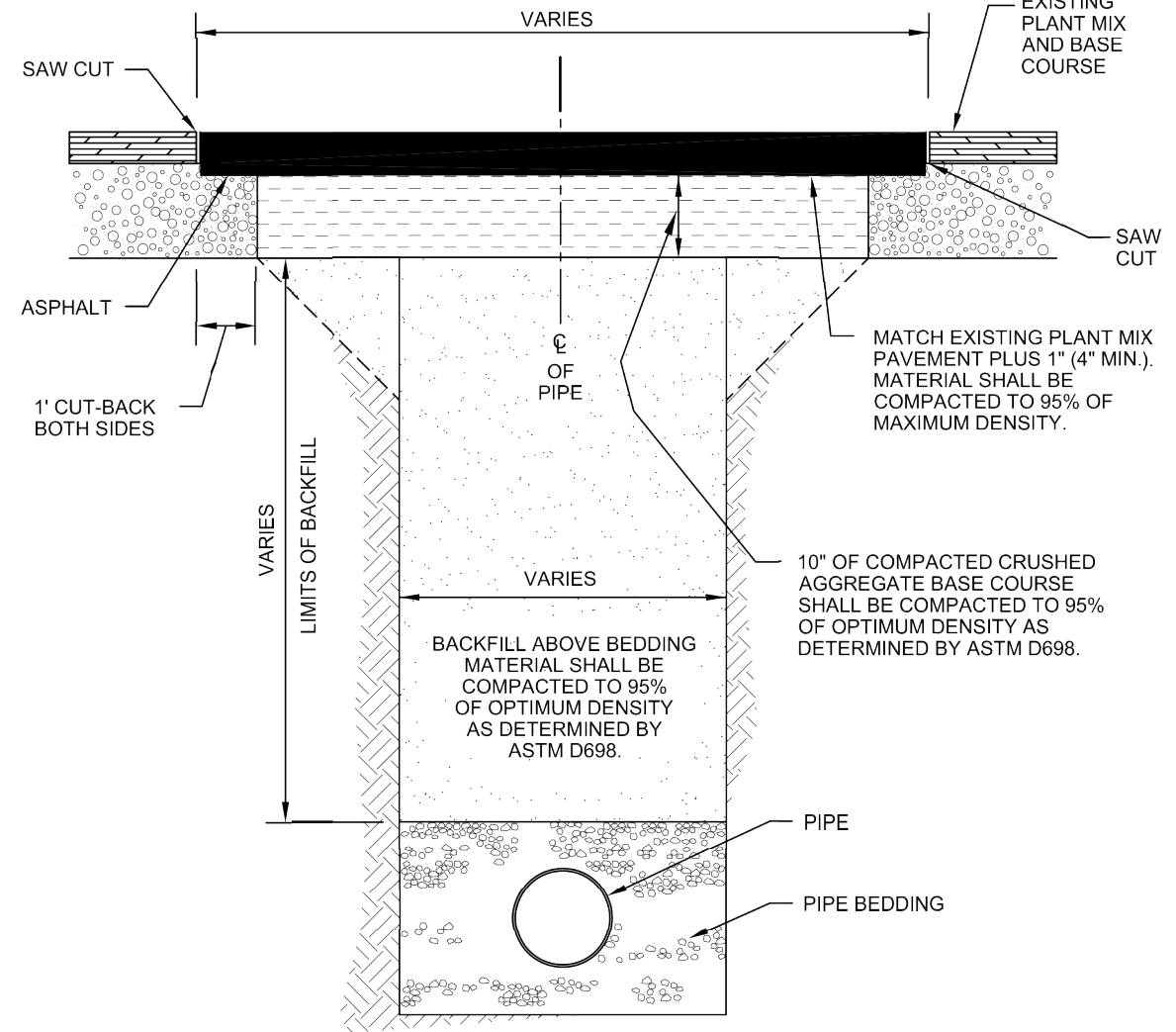
NOT TO SCALE

TRENCH PLUG DETAIL

DWG. NO. 02221-2.01E

CITY of SHERIDAN

NOVEMBER 2015



NOTE: THIS RESTORATION WILL BE REQUIRED ON ALL PRIVATE ROADWAYS, COUNTY ROADS, CITY STREETS, PARKING AREAS, AND STATE HIGHWAYS WITH AN EXISTING ASPHALT SURFACE.

NOT TO SCALE

RESTORATION - ASPHALT PAVEMENT DETAIL

DWG. NO. 02221-3.09C

CITY of SHERIDAN

NOVEMBER 2015

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 SHERIDAN COUNTY, WYOMING

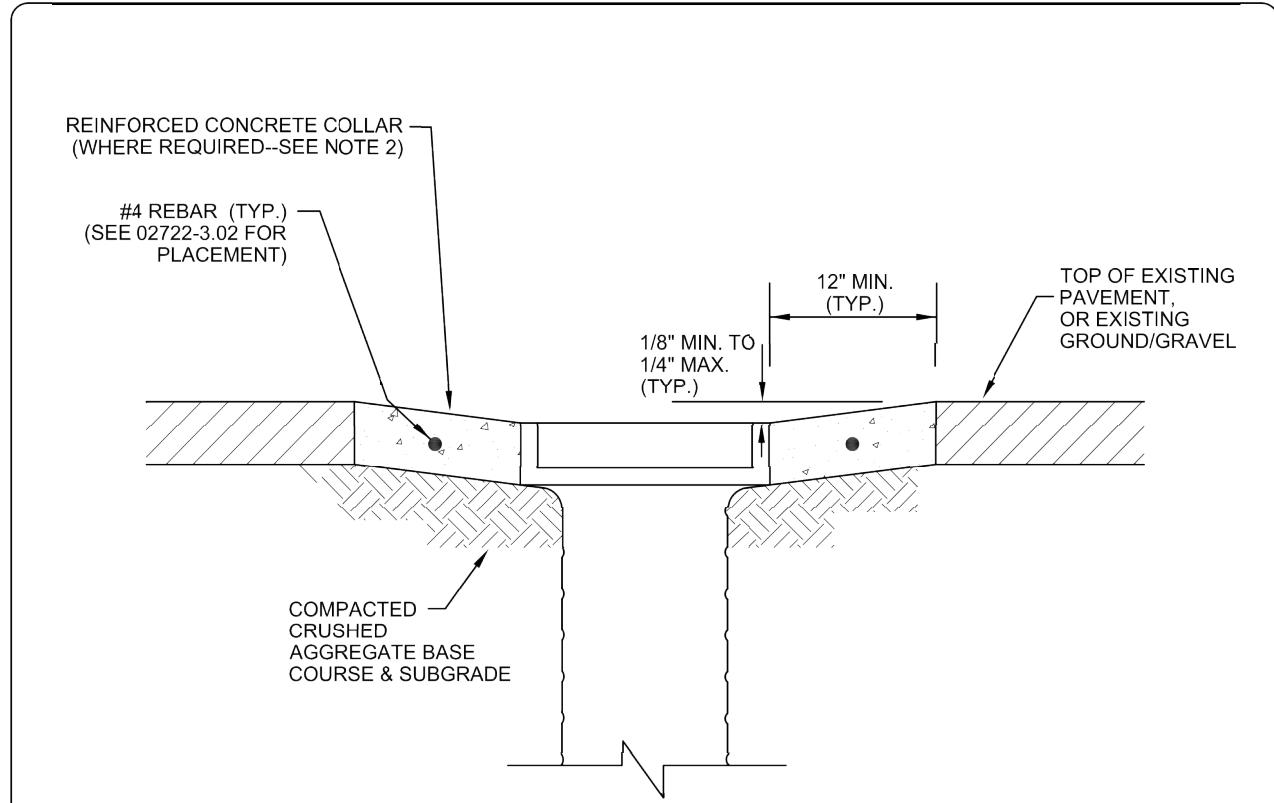
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SHEET
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PROJECT NO. 2021-115

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NOTES:

1. ADJUST WATER VALVE BOXES UPWARD OR DOWNWARD AS REQUIRED.
2. WHERE REQUIRED, CONCRETE COLLAR TO BE PLACED AS SHOWN AND AS PER DWG. NO. 02722-3.02. SEE STANDARD SPECIFICATION SECTION 02570 FOR GUIDELINES ON CONCRETE COLLAR REQUIREMENTS.
3. NO ADDITIONAL PAYMENT SHALL BE MADE FOR ADJUSTMENT OF NEW VALVE BOXES TO FINAL GRADE.

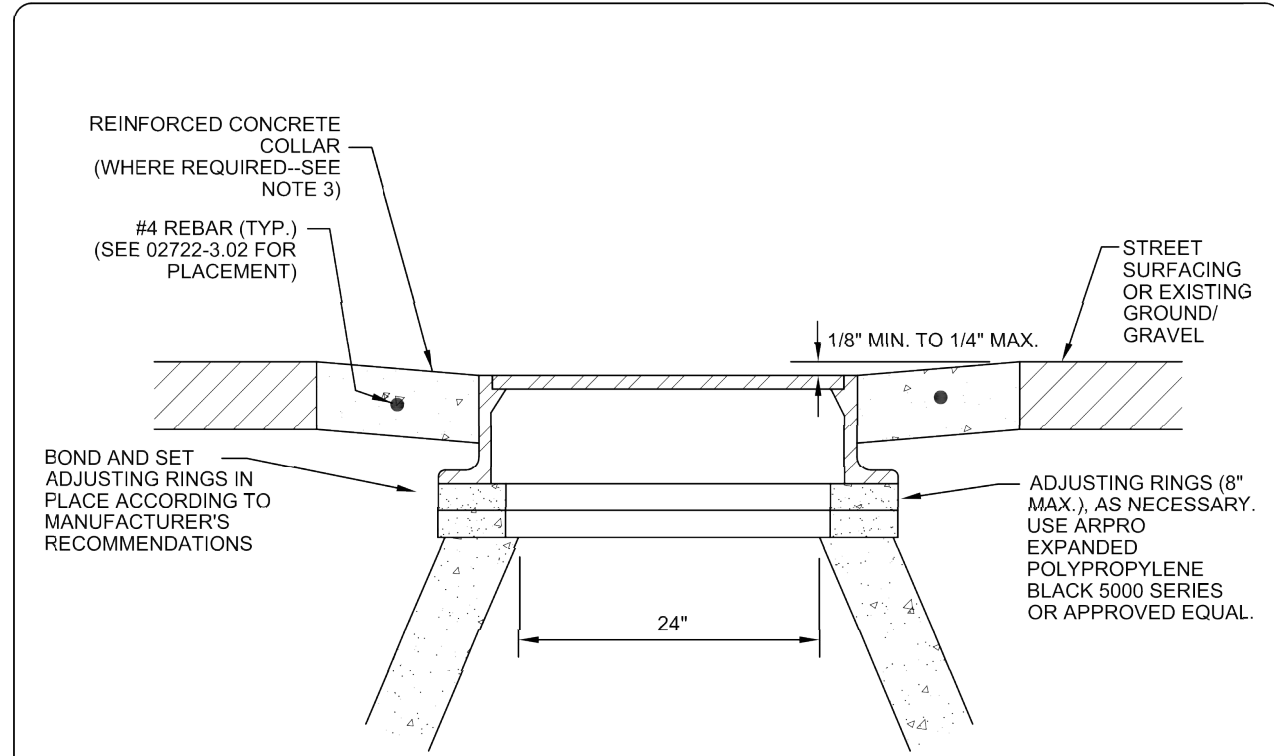
NOT TO SCALE

**WATER VALVE BOX
ADJUSTMENT DETAIL**

DWG. NO. 02570-3.01a

CITY of SHERIDAN

NOVEMBER 2015



NOTES:

1. ADJUST MANHOLES UPWARD WITH ADJUSTING RINGS UNDER FRAMES. CONCRETE ADJUSTING RINGS SHALL NOT BE USED.
2. ADJUST MANHOLES DOWNWARD BY REMOVING CONE AND BARREL SECTIONS, AS NECESSARY, AND REPLACING WITH SECTIONS OF HEIGHT REQUIRED TO MATCH GRADE.
3. CONCRETE COLLAR TO BE PLACED AS SHOWN AND AS PER DWG. NO. 02722-3.02 WHERE REQUIRED. SEE STANDARD SPECIFICATION SECTIONS 02570 AND 02722 FOR GUIDANCE ON CONCRETE COLLAR REQUIREMENTS.
4. NO ADDITIONAL PAYMENT SHALL BE MADE FOR ADJUSTMENT OF NEW MANHOLES TO FINAL GRADE.
5. SLOPE MANHOLE FRAMES AS REQUIRED TO MATCH SLOPE OF STREET.
6. DO NOT GROUT SMOOTH INTERNALLY.

NOT TO SCALE

**MANHOLE ADJUSTMENT
DETAIL**

DWG. NO. 02570-3.01b

CITY of SHERIDAN

NOVEMBER 2015

NO.	REVISION	BY	DATE

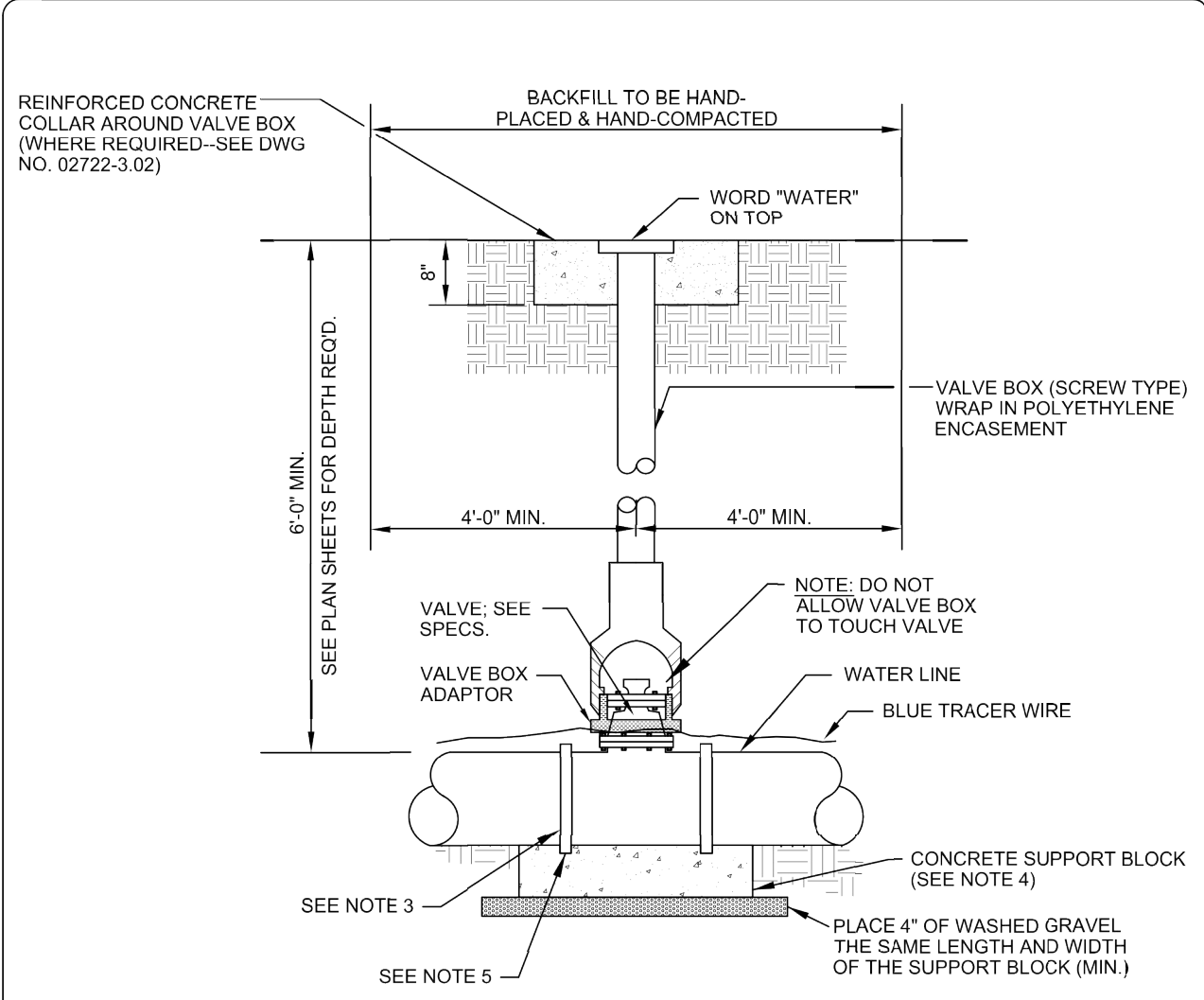
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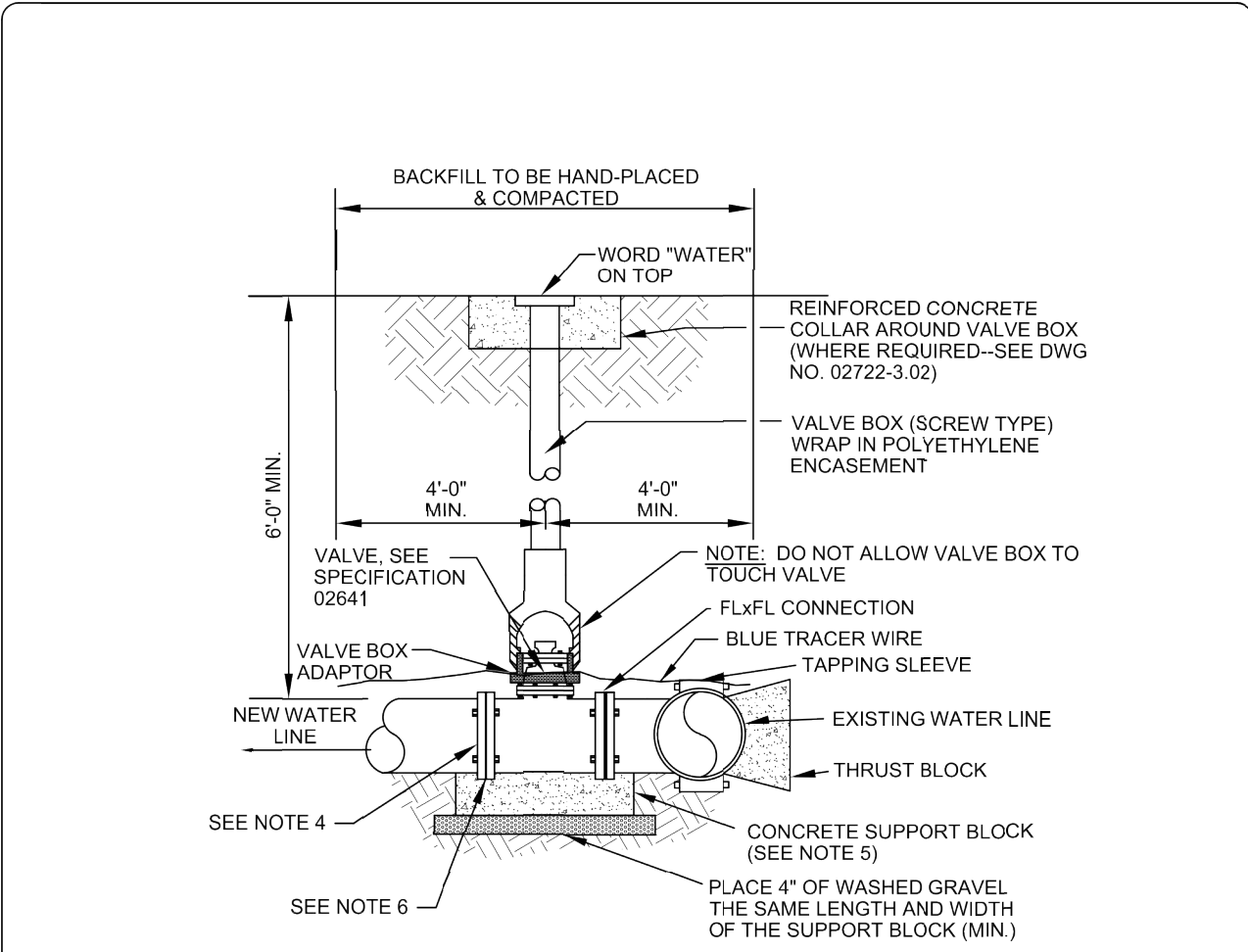


- NOTES:
1. ALL BOLTS, NUTS & WASHERS ARE TO BE SERIES 300 STAINLESS STEEL.
 2. ON GRAVELLED OR DIRT ROADS, OR WHERE REQUIRED AS A CORRECTIVE MEASURE, TOP OF VALVE BOX SHALL BE PLACED IN REINFORCED CONCRETE COLLAR. SEE DRAWINGS NO. 02570-3.01a AND 02722-3.02 FOR DETAILS.
 3. ALL VALVES ARE TO BE RESTRAINED TO PIPE.
 4. CONCRETE SUPPORT BLOCKS MAY BE PRE-CAST OR POURED IN PLACE; SUPPORT BLOCKS SHALL BE CONSTRUCTED OF 4000 PSI CONCRETE (MIN.); FOR VALVES 12" AND SMALLER, SUPPORT BLOCKS SHALL BE 18" X 18" X 6" IN SIZE; FOR VALVES LARGER THAN 12", SUPPORT BLOCK DIMENSIONS SHALL BE DETERMINED BY THE ENGINEER.
 5. IF CONCRETE SUPPORT BLOCKS ARE POURED IN PLACE, THEY SHALL BE FORMED; USE POLYETHYLENE TO SEPARATE FITTING FROM THE CONCRETE.

NOT TO SCALE

WATER LINE VALVE AND BOX DETAIL

DWG. NO. **02641-2.01B**
CITY of SHERIDAN
 NOVEMBER 2015



- NOTES:
1. ALL BOLTS, NUTS & WASHERS ARE TO BE SERIES 300 STAINLESS STEEL.
 2. BEGIN TRACER WIRE BY WRAPPING AROUND EXISTING WATER LINE.
 3. ON GRAVELLED OR DIRT ROADS, OR WHERE REQUIRED AS A CORRECTIVE MEASURE, TOP OF VALVE BOX SHALL BE PLACED IN REINFORCED CONCRETE COLLAR. SEE DRAWINGS NO. 02570-3.01a AND 02722-3.02 FOR DETAILS.
 4. ALL VALVES ARE TO BE RESTRAINED TO PIPE.
 5. CONCRETE SUPPORT BLOCKS MAY BE PRE-CAST OR POURED IN PLACE; SUPPORT BLOCKS SHALL BE CONSTRUCTED OF 4000 PSI CONCRETE (MIN.); FOR VALVES 12" AND SMALLER, SUPPORT BLOCKS SHALL BE 18" X 18" X 6" IN SIZE; FOR VALVES LARGER THAN 12", SUPPORT BLOCK DIMENSIONS SHALL BE DETERMINED BY THE ENGINEER.
 6. IF CONCRETE SUPPORT BLOCKS ARE POURED IN PLACE, THEY SHALL BE FORMED; USE POLYETHYLENE TO SEPARATE FITTING FROM THE CONCRETE.

NOT TO SCALE

TAPPING SLEEVE AND VALVE CONNECTION TO EXISTING WATER LINE DETAIL

DWG. NO. **02641-2.01D**
CITY of SHERIDAN
 NOVEMBER 2015

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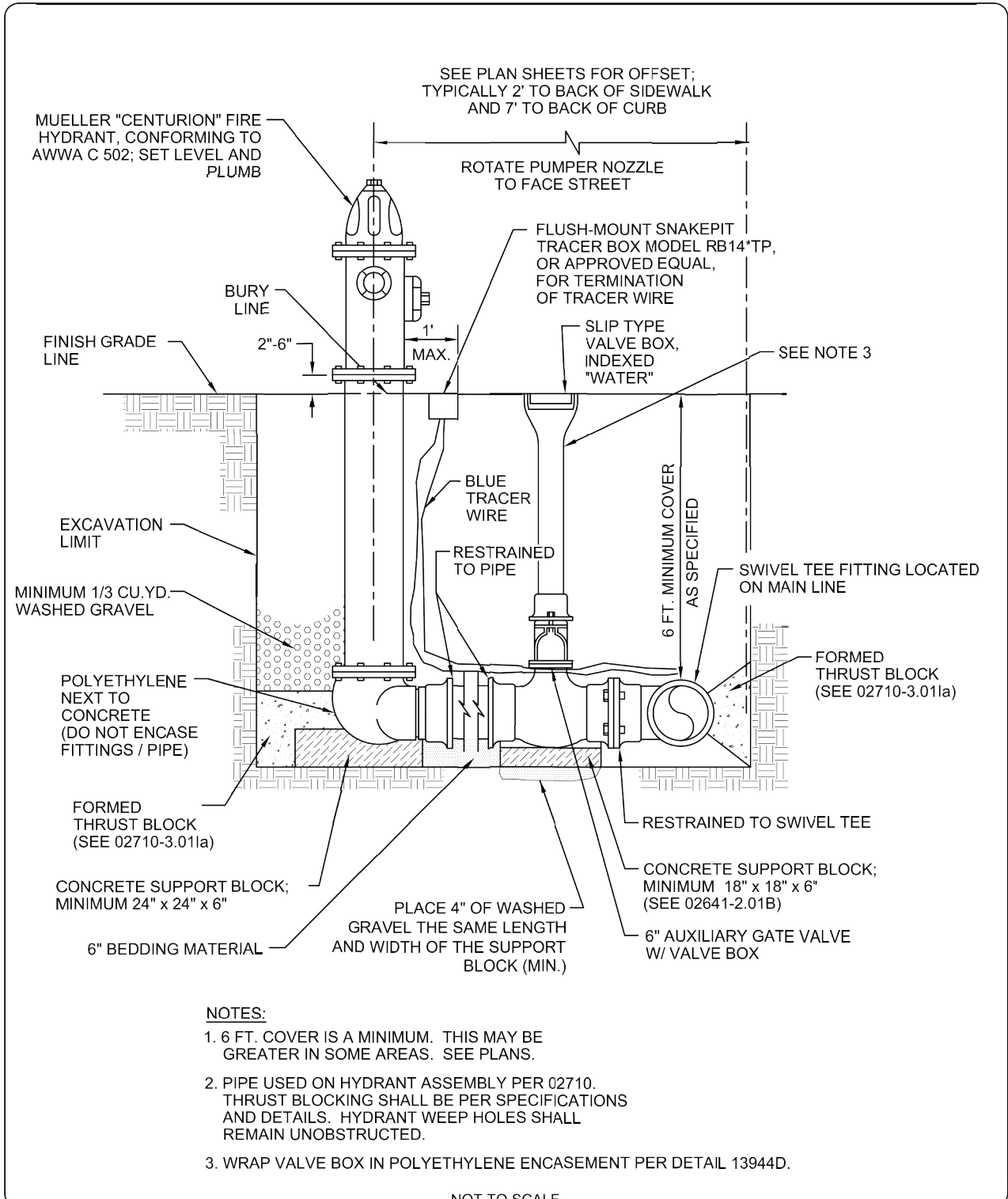
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 SHERIDAN COUNTY, WYOMING

DESIGNED BY: SER
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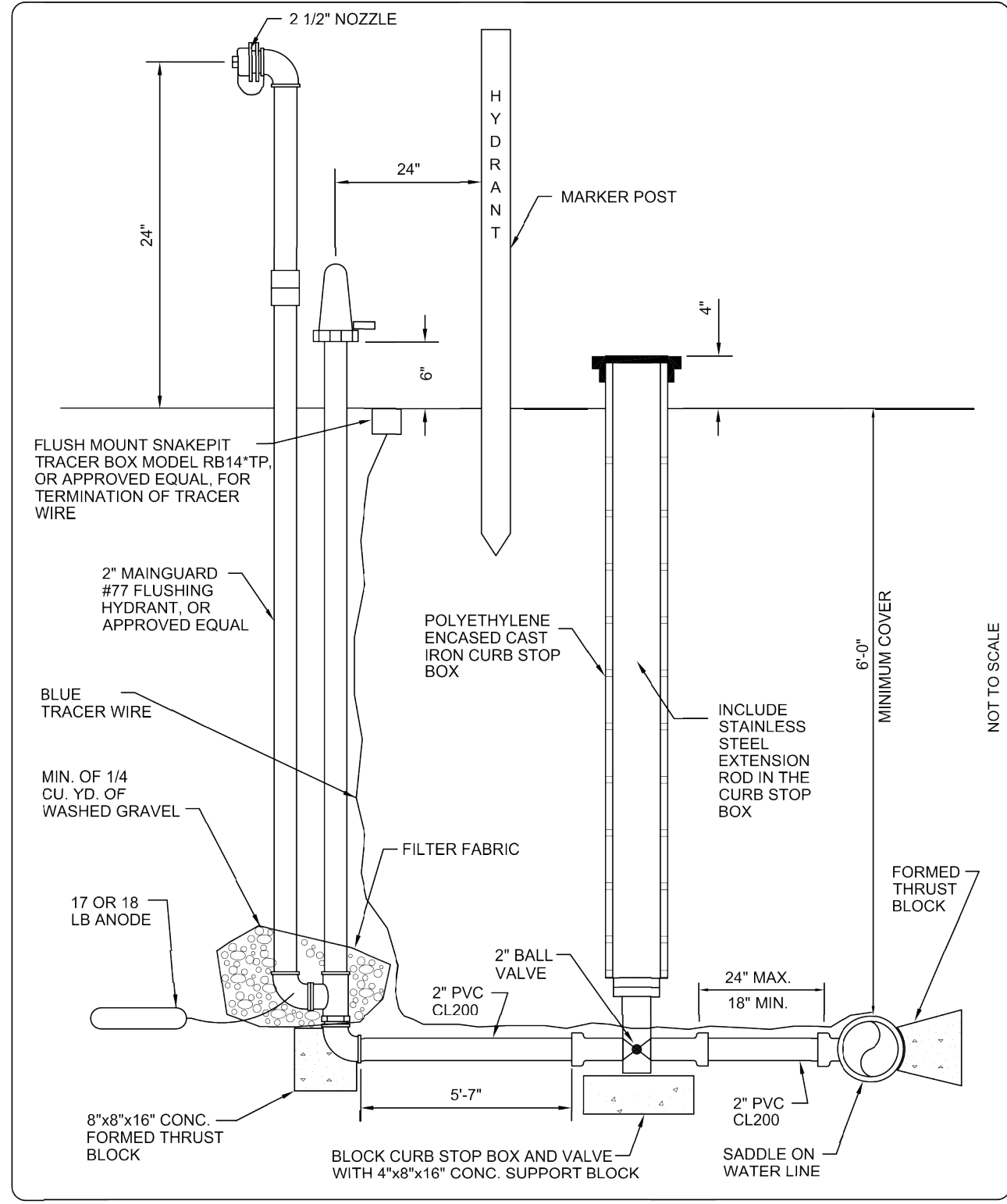


**FIRE HYDRANT INSTALLATION
DETAIL**

DWG. NO. 02644-2.01

CITY of SHERIDAN

NOVEMBER 2015



**FLUSHING HYDRANT ASSEMBLY
DETAIL**

DWG. NO. 02644-2.02

CITY of SHERIDAN

NOVEMBER 2015

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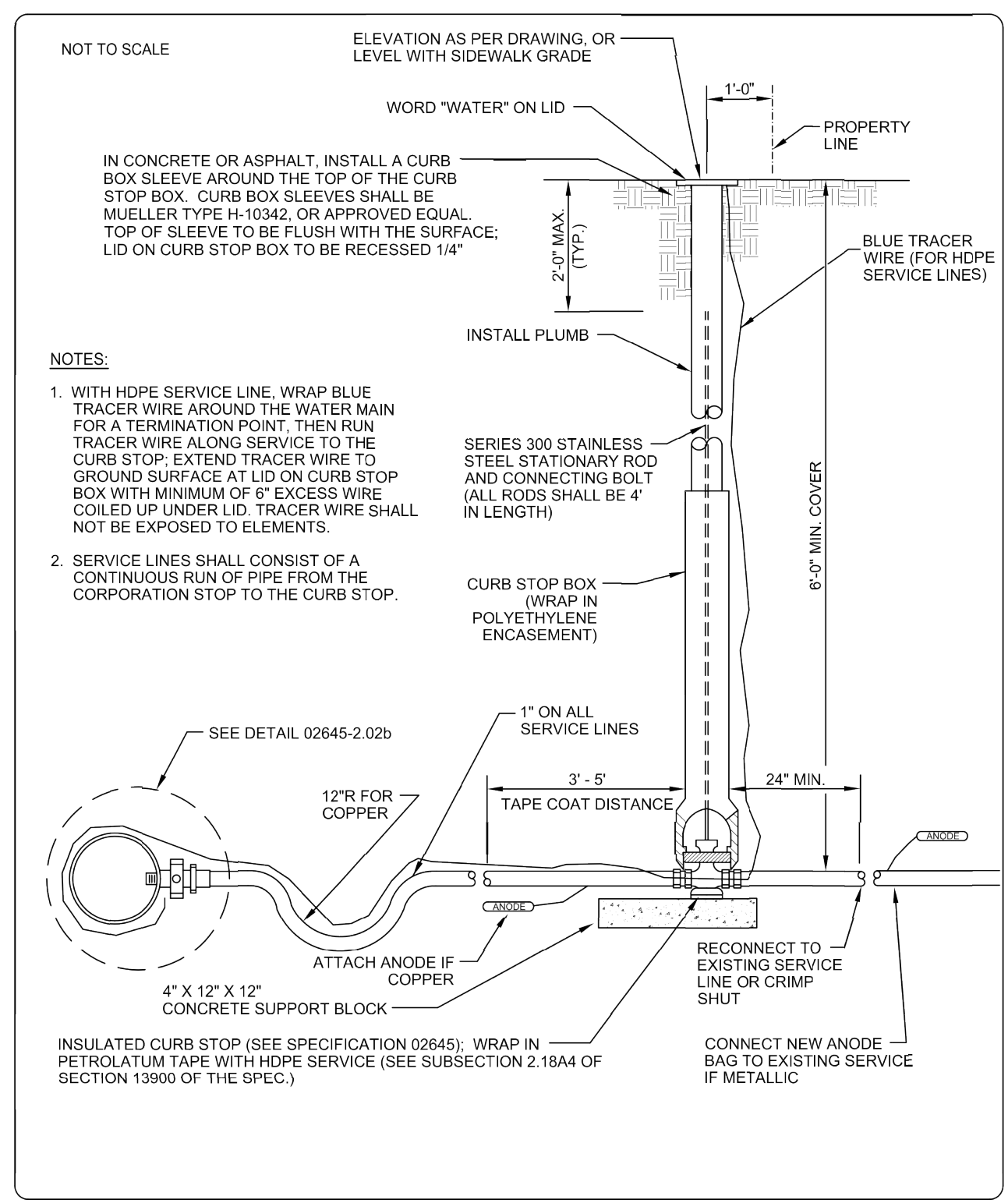
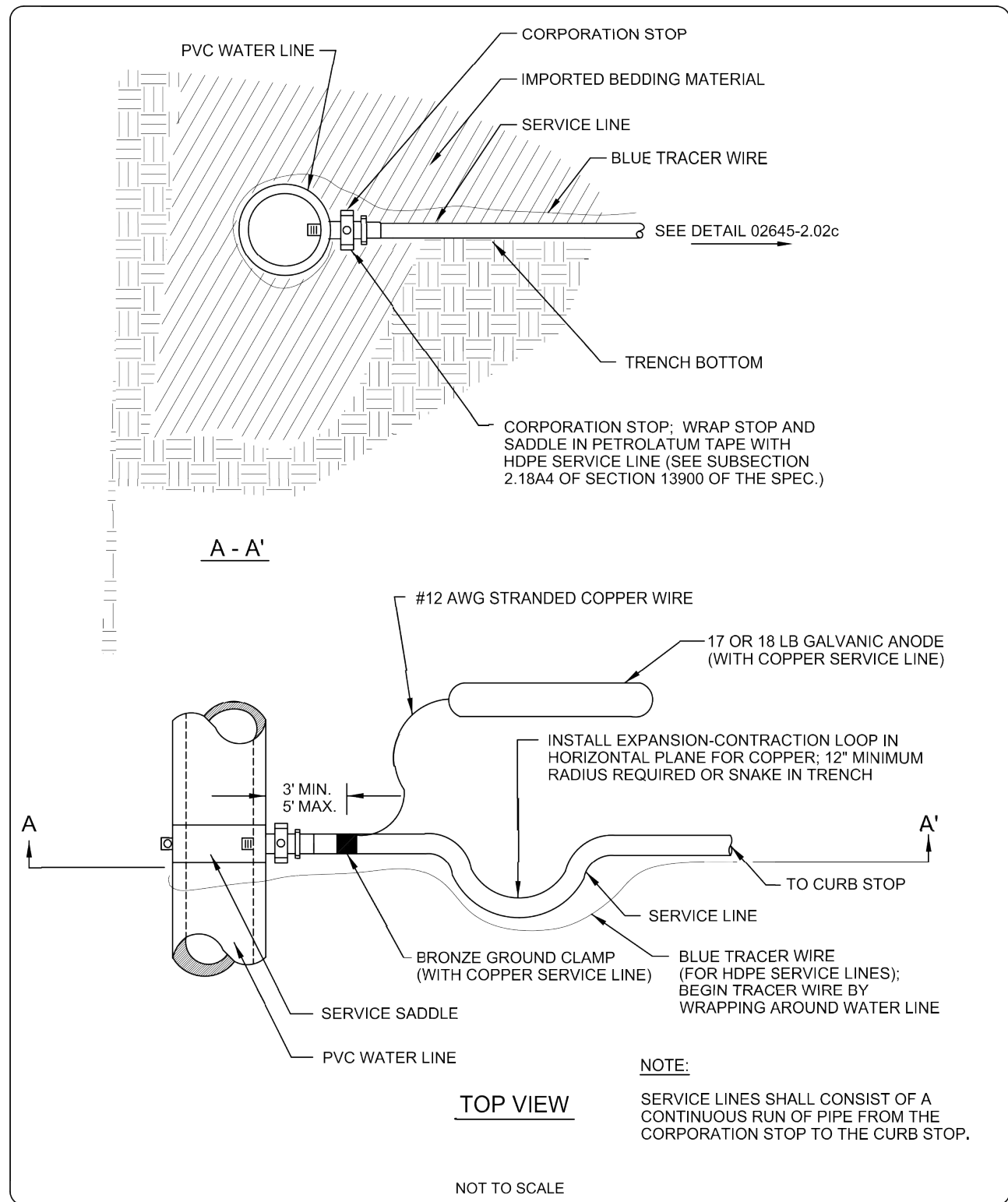
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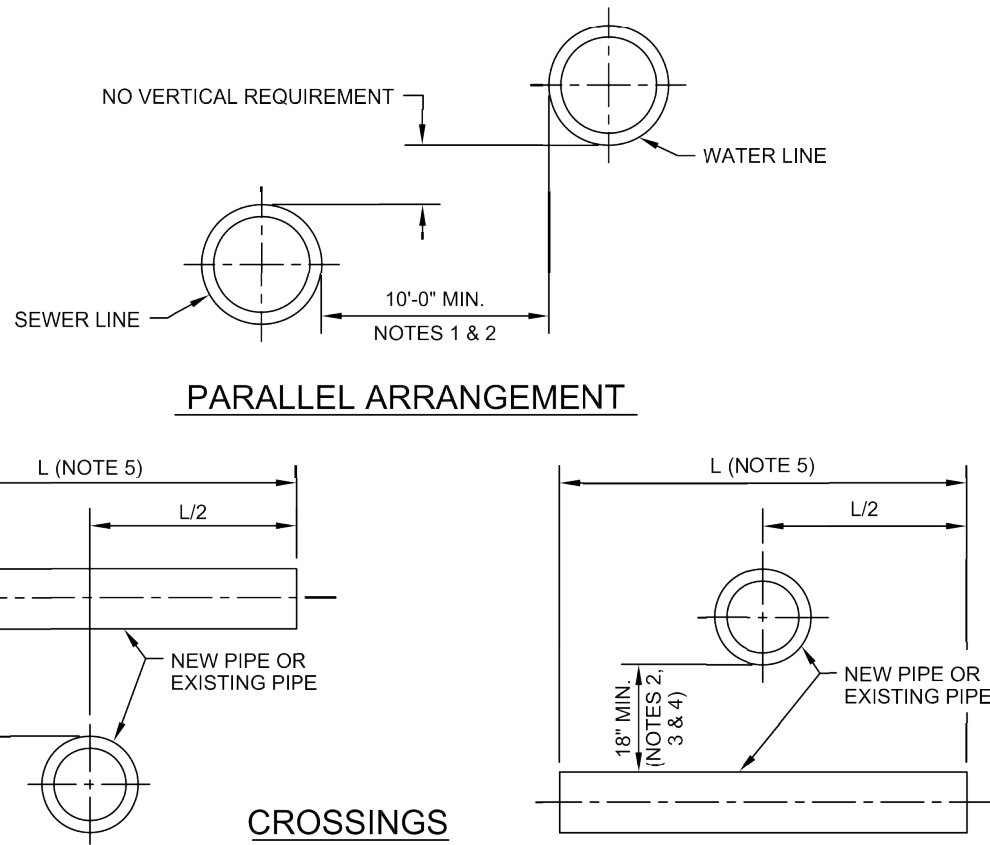
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SHEET
19

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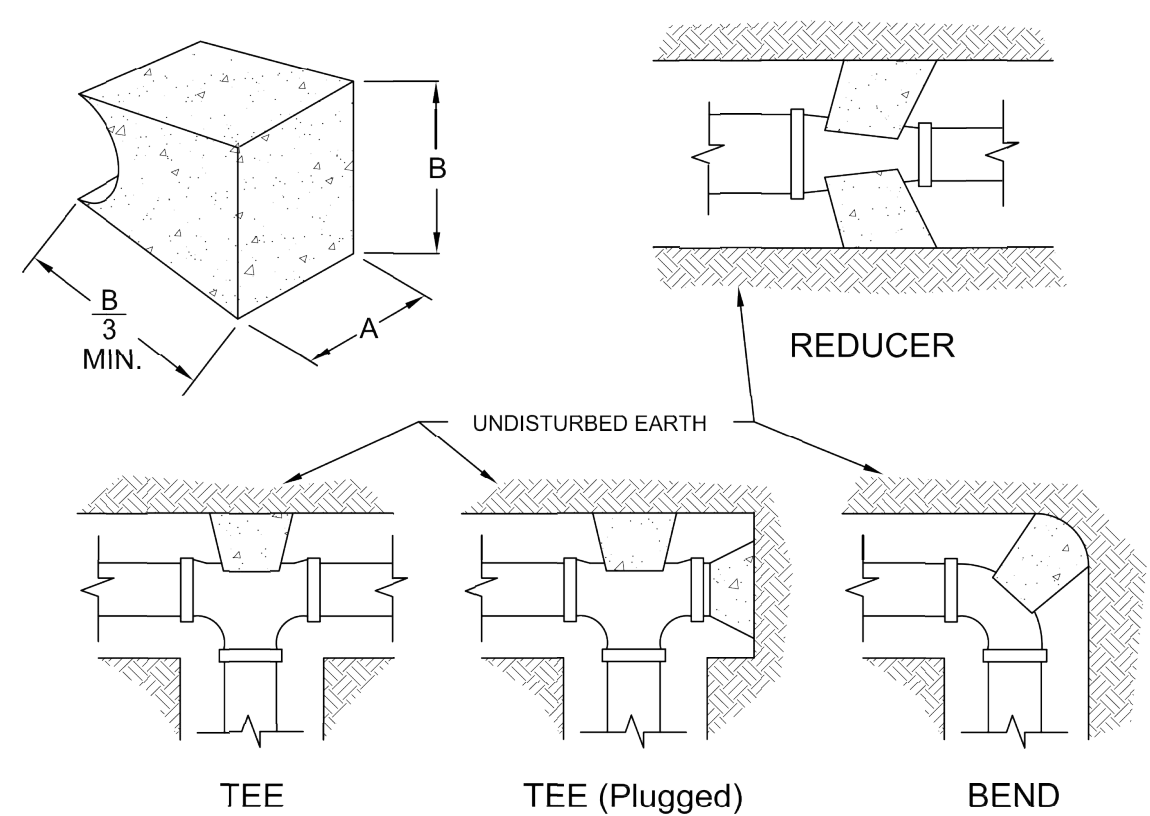


- NOTES:**
- WHERE THE 10 FOOT HORIZONTAL SEPARATION CANNOT BE MAINTAINED, THIS SEPARATION MAY BE REDUCED TO 5 FEET, PROVIDED THE BOTTOM OF THE WATER LINE IS AT LEAST 18 INCHES HIGHER THAN THE TOP OF THE SEWER LINE. WHERE THE REQUIREMENTS FOR THE BOTTOM OF THE WATER LINE TO BE AT LEAST 18 INCHES HIGHER THAN THE TOP OF THE SEWER LINE CANNOT BE MET, SEE THE SPECIFICATIONS.
 - NO EXCEPTION TO THE MINIMUM HORIZONTAL OR VERTICAL SEPARATION REQUIREMENTS ARE PERMITTED WHEN THE SEWAGE-CARRYING PIPE IS A FORCE MAIN.
 - AT CROSSINGS, ONE FULL LENGTH OF WATER LINE PIPE SHALL BE LOCATED SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER LINE AS POSSIBLE.
 - LESS THAN 18 INCHES OF SEPARATION IS PERMITTED WHEN THE GRAVITY SEWER LINE AT THE CROSSING IS MADE FROM A SINGLE 20-FOOT LENGTH OF PIPE, THE CROSSING ANGLE IS 90 DEGREES, AND THE SEWER PIPE PASSES A PRESSURE TEST (SEE SPECIFICATIONS).
 - "L" IS A STANDARD LENGTH OF PIPE AS SUPPLIED BY A PIPE MANUFACTURER.
 - ADEQUATE STRUCTURAL SUPPORT (FLOWABLE FILL) FOR PIPES AT CROSSINGS SHALL BE PROVIDED.
 - WHEN THE REQUIRED HORIZONTAL AND / OR VERTICAL SEPARATIONS BETWEEN WATER LINES AND SEWER LINES CANNOT BE MET, THE SEWER MAY BE ENCASED IN ONE FOOT OF FLOWABLE FILL (SEE SPECIFICATIONS).

NOT TO SCALE

WATER AND SEWER LINE SEPARATION DETAIL

DWG. NO. **02710-3.01H**
CITY of SHERIDAN
 NOVEMBER 2015



DIMENSIONS FOR THRUST BLOCKING								
FITTING SIZES	TEES & PLUGS		90° BENDS		45° BENDS & WYES		REDUCERS & 22 1/2° BENDS	
	A	B	A	B	A	B	A	B
4"	1'-7"	1'-2"	1'-9"	1'-6"	1'-8"	0'-10"	1'-7"	0'-6"
6"	2'-0"	1'-11"	2'-5"	2'-2"	1'-10"	1'-7"	1'-9"	0'-10"
8"	2'-8"	2'-6"	3'-2"	3'-0"	2'-5"	2'-1"	1'-9"	1'-6"
10"	3'-4"	3'-3"	4'-0"	3'-10"	3'-0"	2'-9"	2'-2"	1'-11"
12"	4'-0"	3'-10"	4'-8"	4'-8"	3'-8"	3'-3"	2'-7"	2'-3"
14"	5'-5"	3'-10"	6'-6"	4'-11"	4'-9"	3'-5"	3'-5"	2'-5"
16"	6'-0"	5'-0"	6'-0"	5'-0"	6'-0"	4'-0"	4'-6"	3'-0"

- NOTES:**
- THIS TABLE IS BASED ON 150 PSI WATER MAIN PRESSURE AND 2000 PSF SOIL BEARING PRESSURE.
 - USE POLYETHYLENE TO SEPARATE FITTINGS FROM THE CONCRETE.
 - FOR PLUGS, PLACE A HEAVY, METAL RING ON TOP OF PLUG FOR FUTURE REMOVAL OF THE THRUST BLOCK.
 - ALL THRUST BLOCKS SHALL BE FORMED AND POURED AGAINST UNDISTURBED SOIL; CONCRETE SHALL BE CLASS "B".

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THRUST BLOCKING FOR WATER LINE FITTINGS DETAIL

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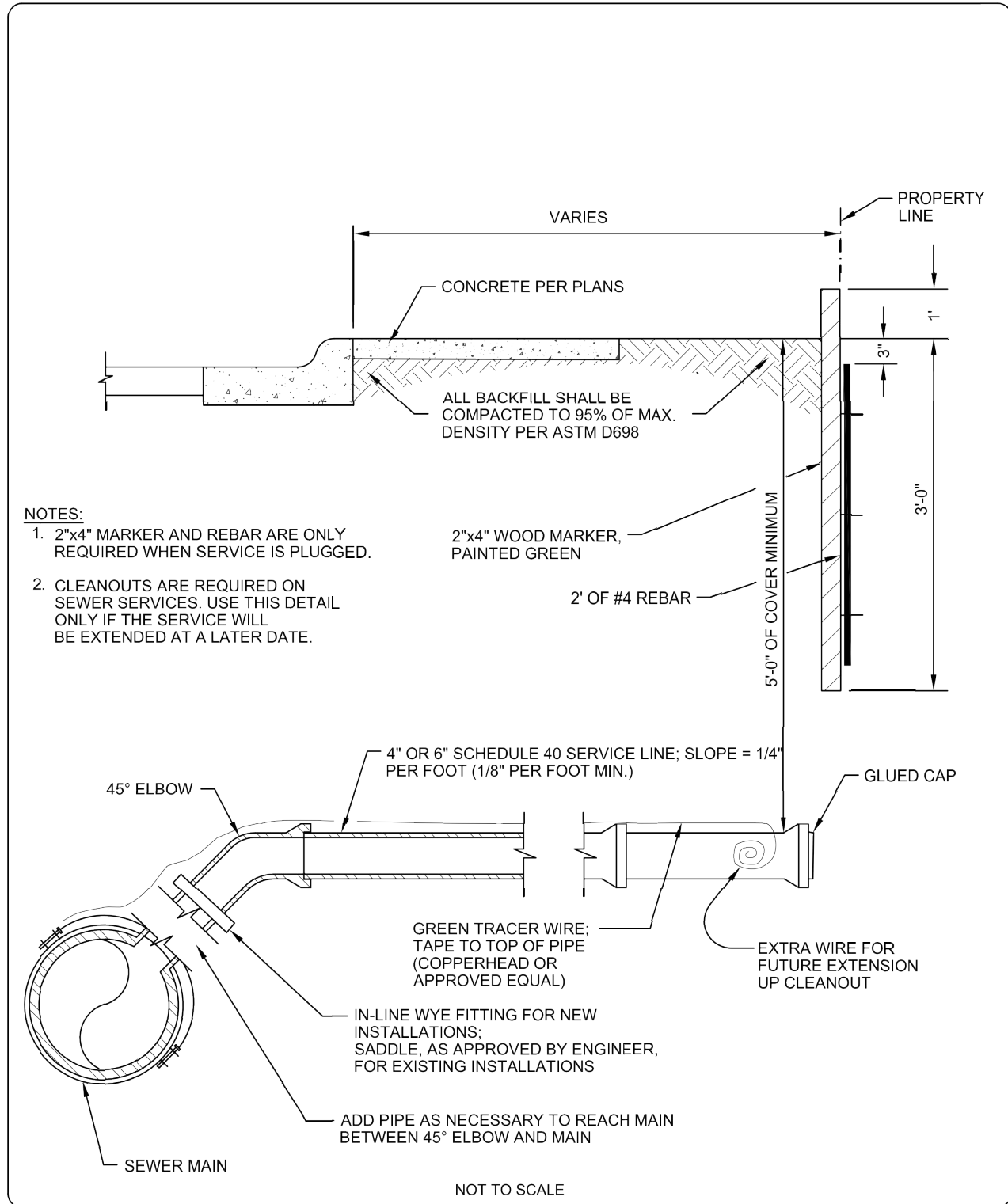
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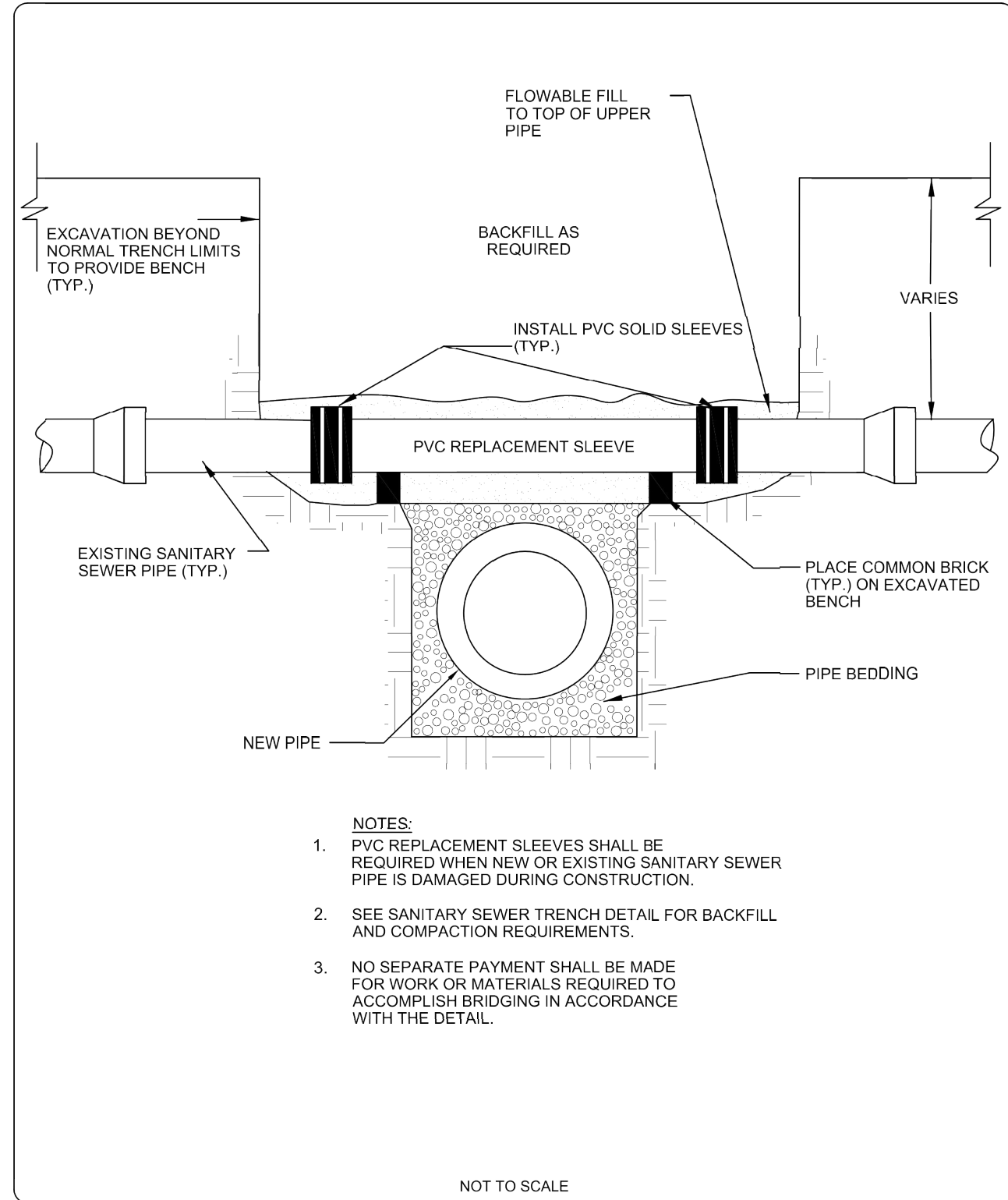


**SANITARY SEWER SERVICE LINE DETAIL
(NEW CONSTRUCTION ONLY)**

DWG. NO. 02712-2.01Da

CITY of SHERIDAN

NOVEMBER 2015



BRIDGING AT SANITARY SEWER CROSSING DETAIL

DWG. NO. 02712-3.01 I

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NOVEMBER 2015

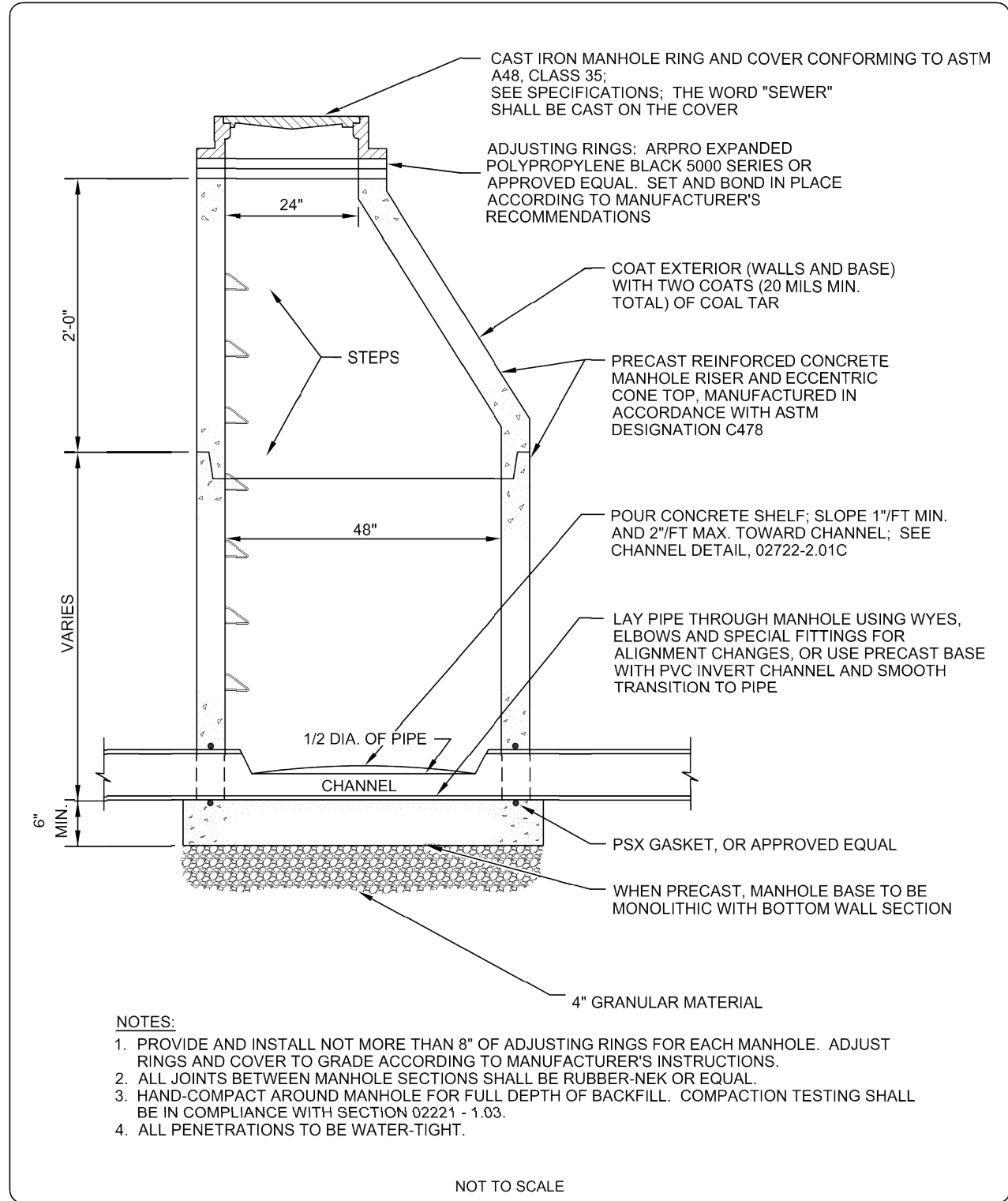
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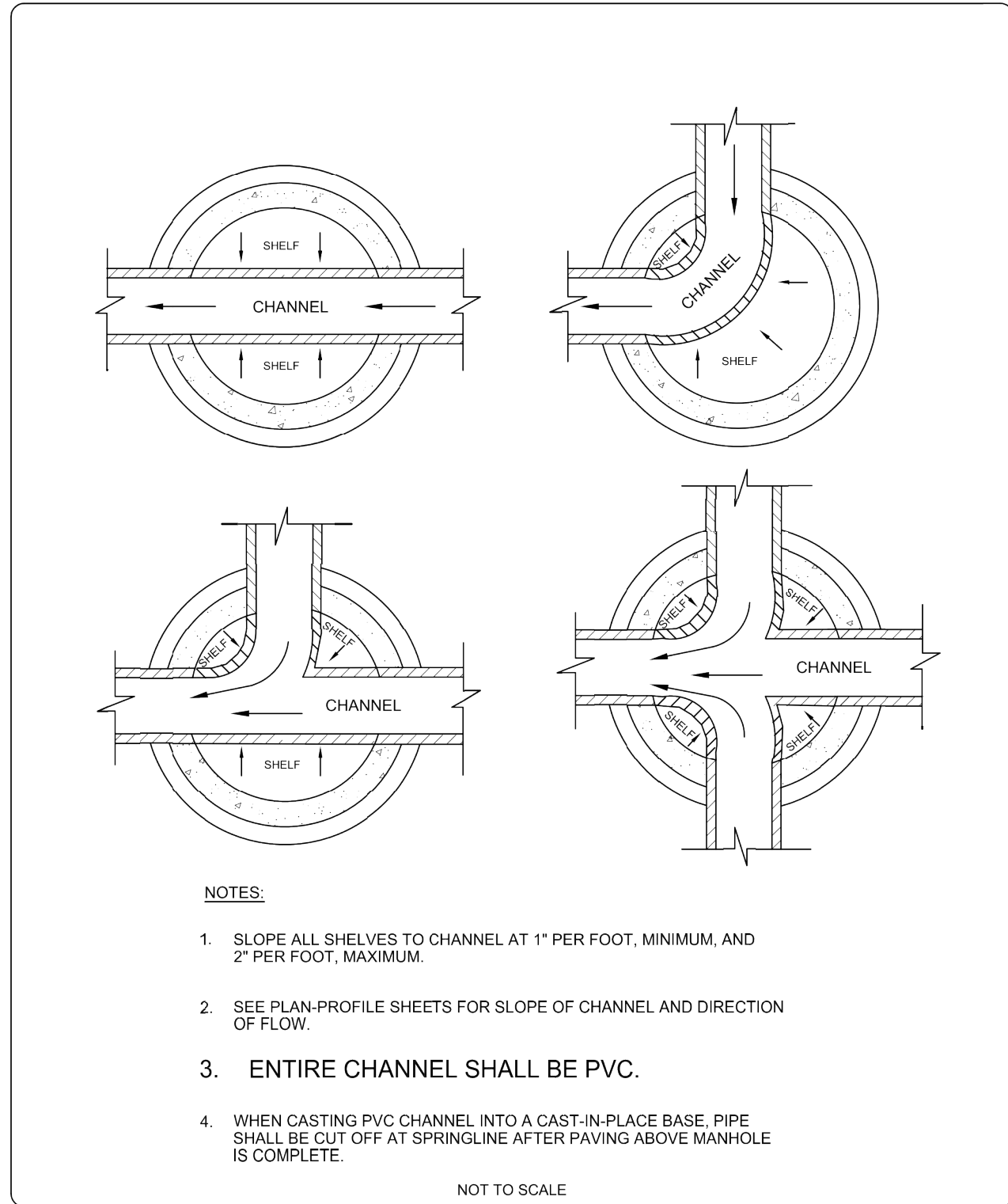


ECCENTRIC CONE SANITARY SEWER MANHOLE DETAIL

DWG. NO. 02722-2.01a

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NOVEMBER 2015



TYPICAL MANHOLE CHANNEL DETAILS

DWG. NO. 02722-2.01c

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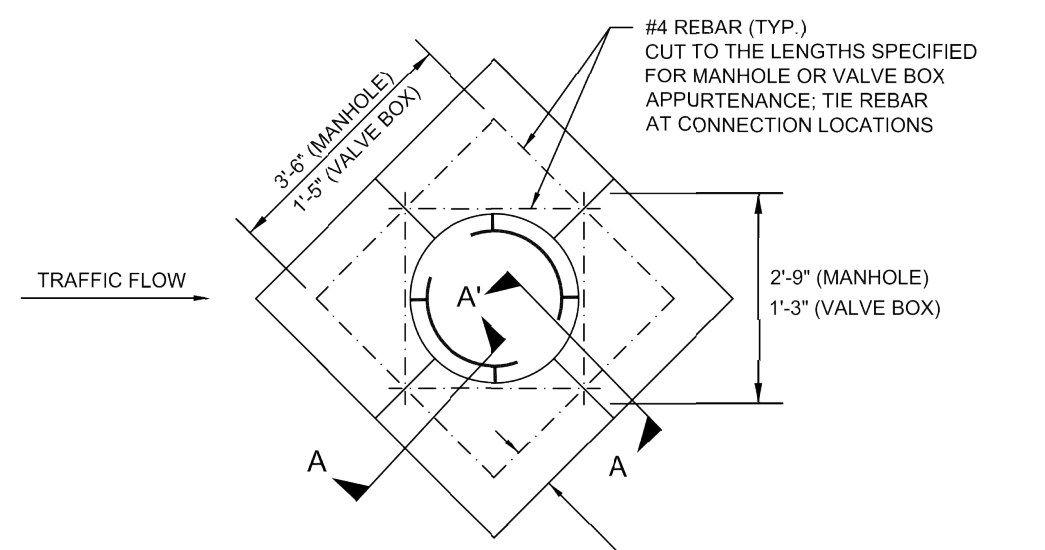
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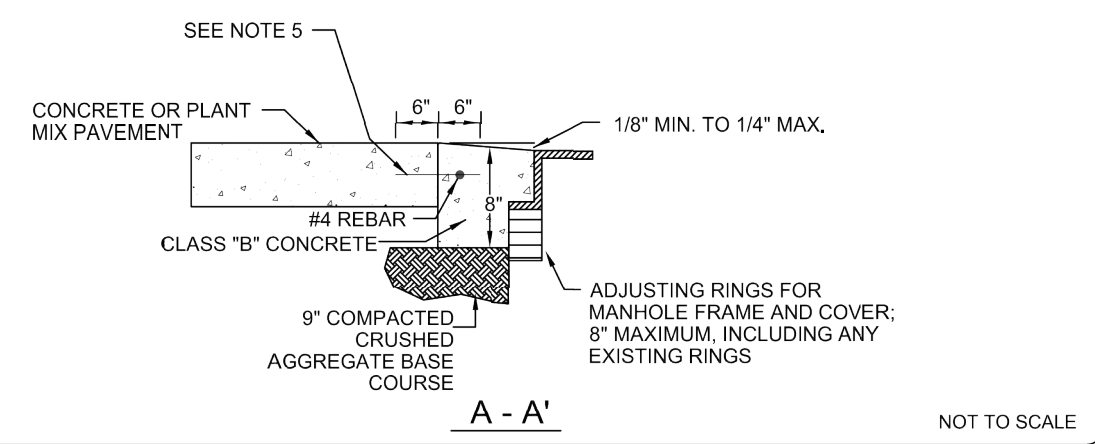
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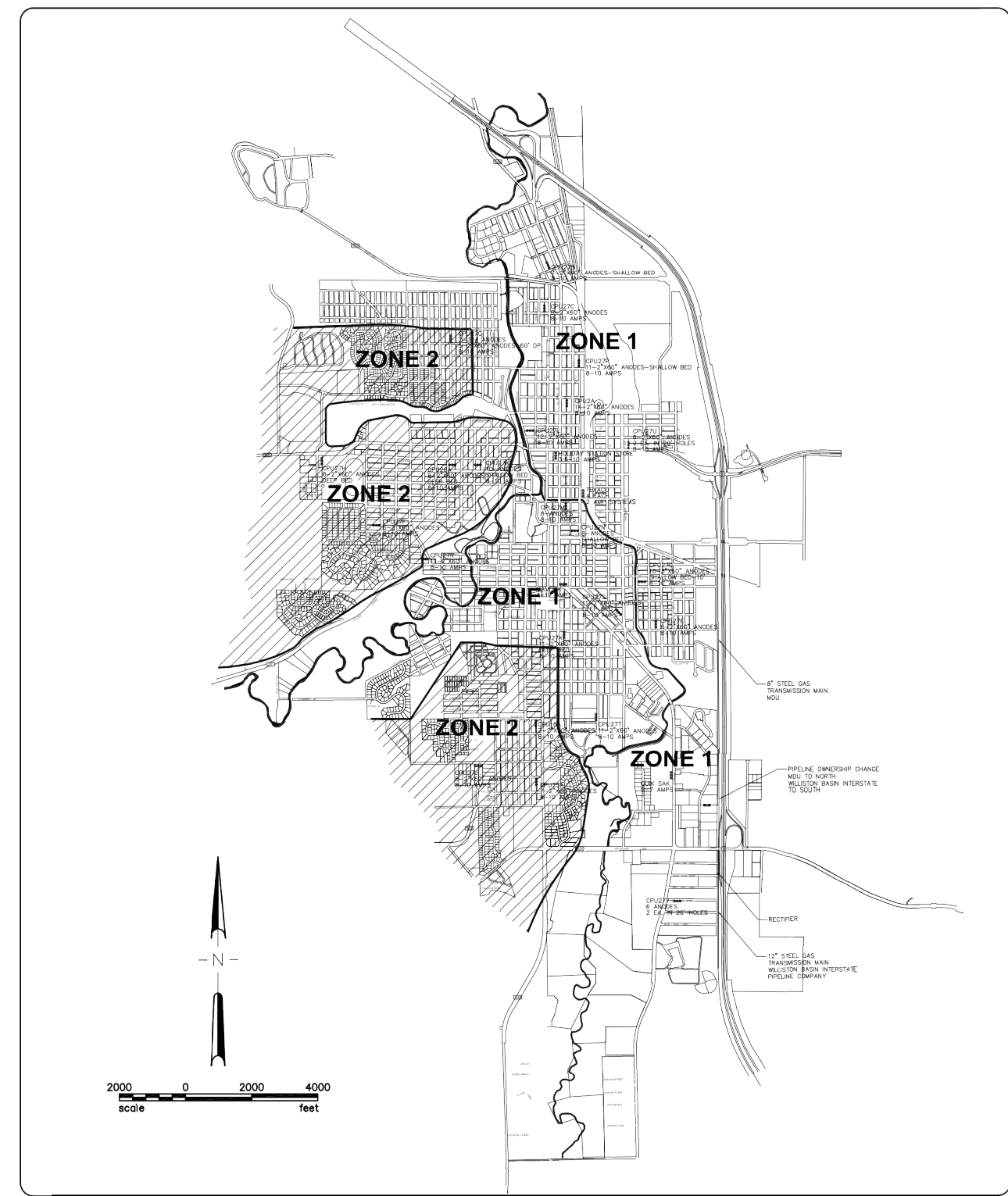
1. SEE SPECIFICATION SECTIONS 02570 AND 02722 FOR GUIDANCE ON WHERE CONCRETE COLLARS ARE REQUIRED
2. LOCATE CONCRETE COLLAR AS SHOWN IN RELATION TO TRAFFIC FLOW (IF POSSIBLE).
3. CONCRETE COLLAR FOR MANHOLES SHALL BE 4' X 4'.
4. CONCRETE COLLAR FOR VALVE BOXES SHALL BE SIZED TO ALLOW A MINIMUM 1' FROM THE EDGE OF VALVE BOX TO THE EDGE OF COLLAR. E.G. A COLLAR FOR A 6" DIAMETER VALVE BOX SHALL BE 2.5' X 2.5'.
5. IF PLACED IN CONCRETE PAVEMENT (AS A CORRECTIVE MEASURE), COLLARS SHALL BE TIED TO THE PAVEMENT USING 1' LENGTH #4 REBAR SPACED AT 1' CENTERS; REBAR SHALL BE CENTERED WITHIN THE ADJACENT PAVEMENT SLAB AND EMBEDDED TO A DEPTH OF 6"; ANCHOR REBAR WITHIN ADJACENT PAVEMENT USING EPOXY ADHESIVE, AS APPROVED BY THE ENGINEER.

MANHOLE / VALVE BOX COLLAR



MANHOLE / VALVE BOX CONCRETE COLLAR DETAIL

DWG. NO. **02722-3.02**
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SOIL CORROSION ZONES / SELECTION OF ANODE TYPE

DWG. NO. **13900**
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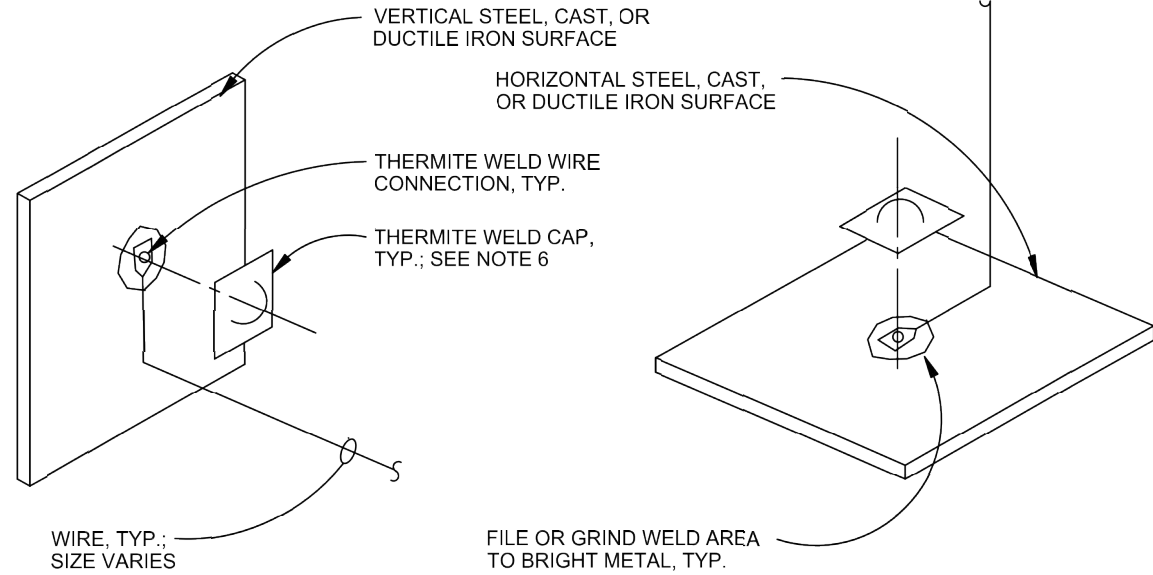
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NOTES:

1. COPPER SLEEVE REQUIRED FOR THERMITE WELDING OF #10 AWG AND SMALLER WIRE.
2. USE COPPER SLEEVE FOR THERMITE WELDING OF #4 AND #2 AWG JOINT BONDING WIRES.
3. WELDER AND CARTRIDGE SIZE VARIES ACCORDING TO SURFACE SHAPE, MATERIAL, AND HORIZONTAL OR VERTICAL SURFACE. CONSULT WELDER MANUFACTURER FOR RECOMMENDED WELDER AND CARTRIDGE.
4. FOR MULTIPLE WIRE CONNECTIONS TO PIPE, SEPARATE THERMITE WELD WIRE CONNECTIONS BY ONE PIPE DIAMETER MINIMUM, 2'-0" MAXIMUM.
5. USE 15 GRAM MAXIMUM SIZE WELD CARTRIDGES FOR CONNECTIONS TO PETROLEUM AND NATURAL GAS PIPELINES OR STRUCTURES. WIRE CONNECTIONS SHALL BE AS SPECIFIED AND APPROVED BY THE OWNER.
6. COAT COMPLETED THERMITE WELD CONNECTIONS WITH ROYSTON PREFABRICATED HANDYCAP II AND 747 PRIMER.

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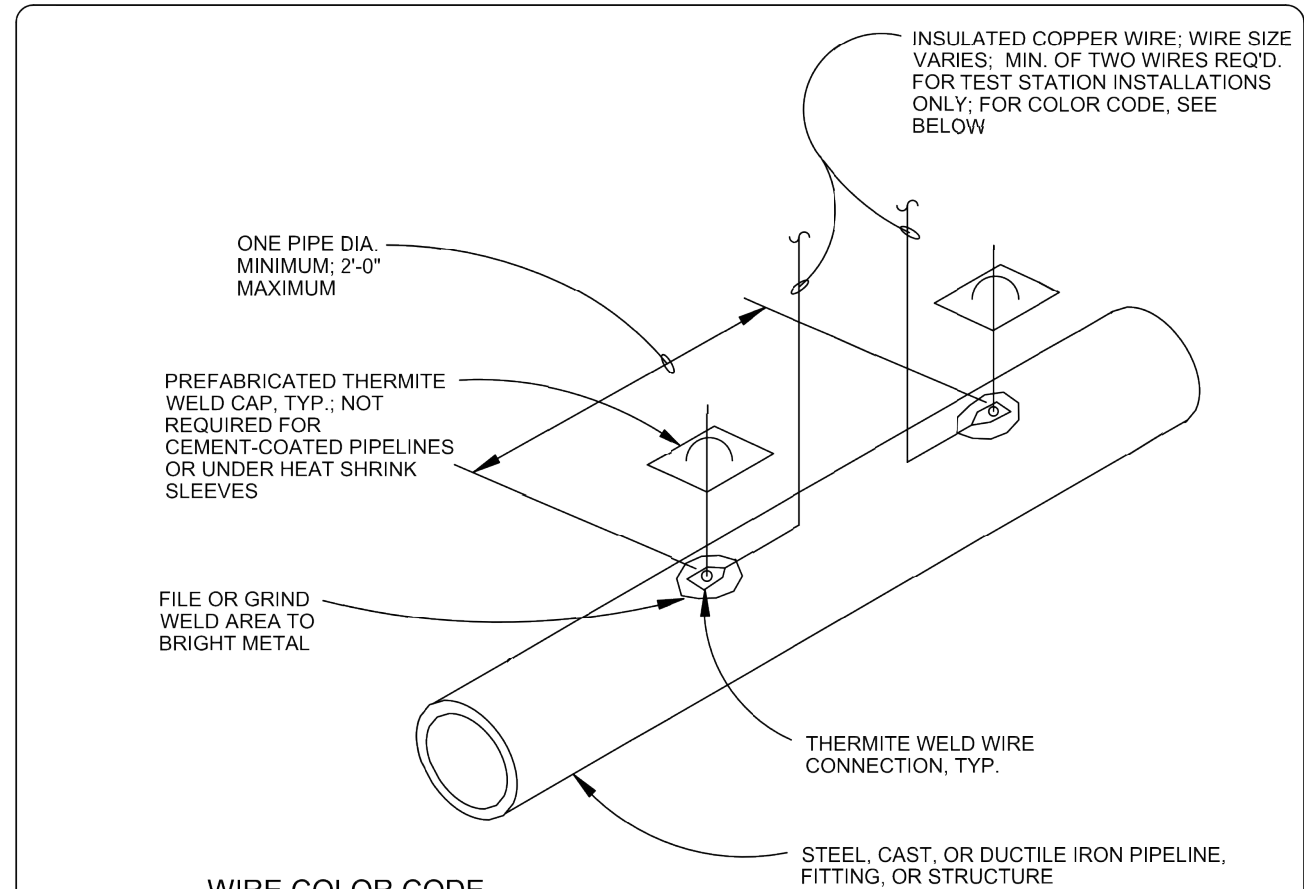
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WIRE CONNECTION FOR VERTICAL AND HORIZONTAL SURFACES DETAIL

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WIRE COLOR CODE

1. PIPELINE TEST WIRES:
WATER - BLUE
FOREIGN PIPELINES - WHITE, OR AS REQUESTED BY FOREIGN PIPELINE COMPANY
CURRENT TEST SPAN WIRES - UPSTREAM SIDE, MARK W/ RED TAPE
2. UNPROTECTED PIPELINE - BLACK
3. CASINGS - ORANGE
4. ANODE LEADS - BLACK
5. REFERENCE ELECTRODE WIRES - YELLOW
6. TRACER WIRES - BLUE

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PIPELINE WIRE CONNECTION DETAIL

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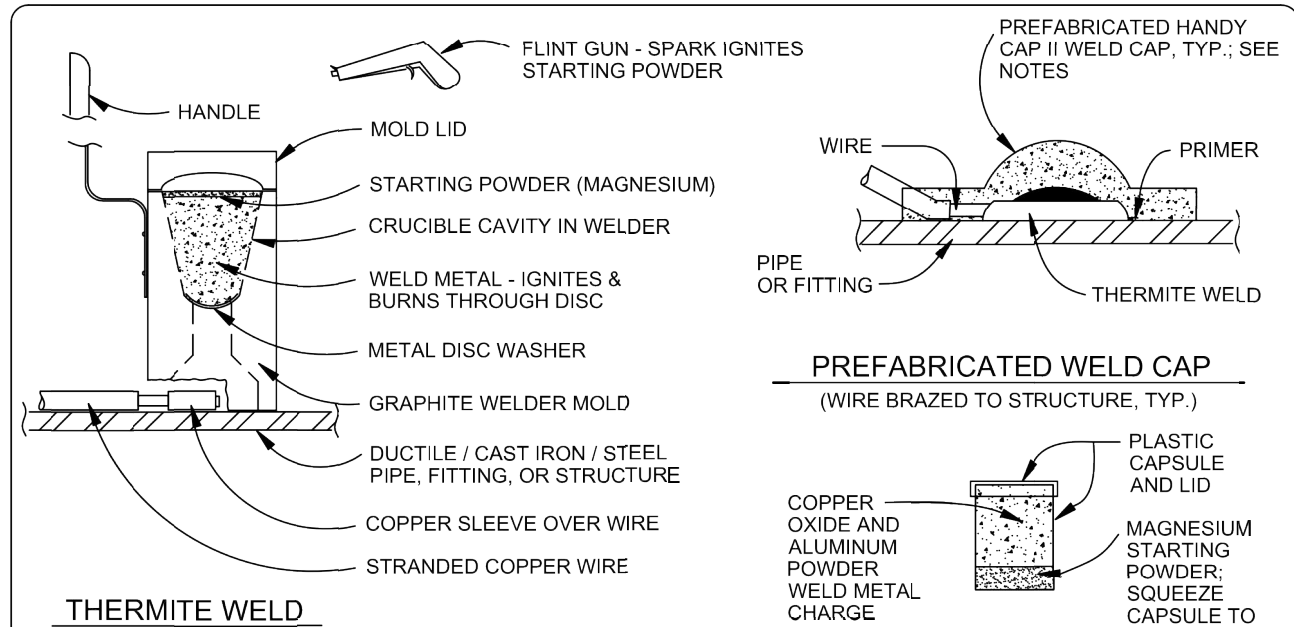
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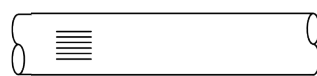
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THERMITE WELD

USE CAST IRON CHARGES FOR DUCTILE IRON AND CAST IRON PIPE OR FITTINGS; USE STEEL CHARGES FOR STEEL PIPE OR FITTINGS



STEP 1

FILE STRUCTURE CONNECTION AREA (2"x2") TO BARE, BRIGHT, SHINY METAL & CLEAN. ALL WIRE WELDS SHALL BE A MINIMUM OF ONE PIPE DIAMETER APART, UP TO A MAXIMUM OF 2 FEET SEPARATION DISTANCE.



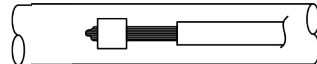
STEP 2

STRIP INSULATION FROM WIRE. ATTACH COPPER SLEEVE (REQUIRED ON No. 10 AWG WIRE & SMALLER & No. 2 & No. 4 AWG JOINT BOND WIRES, AS SPECIFIED).



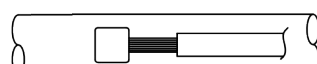
STEP 3

ATTACH COPPER SLEEVE TO WIRE WITH CORRECT HAMMER DIE OR CRIMP TOOL. FACTORY SLEEVES SHALL BE ANGLED AND FIELD-MADE BONDS SHALL HAVE WIRE EXTEND 1/4" PAST SLEEVE SO WIRE IS EXPOSED TO THERMITE WELD.



STEP 4

PLACE WASHER IN BOTTOM OF MOLD AND FILL CRUCIBLE W/ POWDER; CLOSE LID, HOLD MOLD FIRMLY W/ OPENING AWAY FROM OPERATOR & IGNITE W/ FLINT GUN.



STEP 5

REMOVE SLAG FROM CONNECTION; VISUALLY INSPECT & TAP WELD FOR SOUNDNESS W/ HAMMER. REPLACE ALL POORLY-FORMED, UNSIGHTLY, OR DEFECTIVE WELDS.



STEP 6

CLEAN & COAT CONNECTION & EXPOSED STRUCTURE SURFACE W/ SPECIFIED PREFABRICATED WELD CAP, HEAT SHRINK SLEEVE, OR PIPE COATING. REPAIR COATING PER COATING MANUFACTURER'S RECOMMENDATION.

GENERAL EXOTHERMIC WELD PROCEDURES

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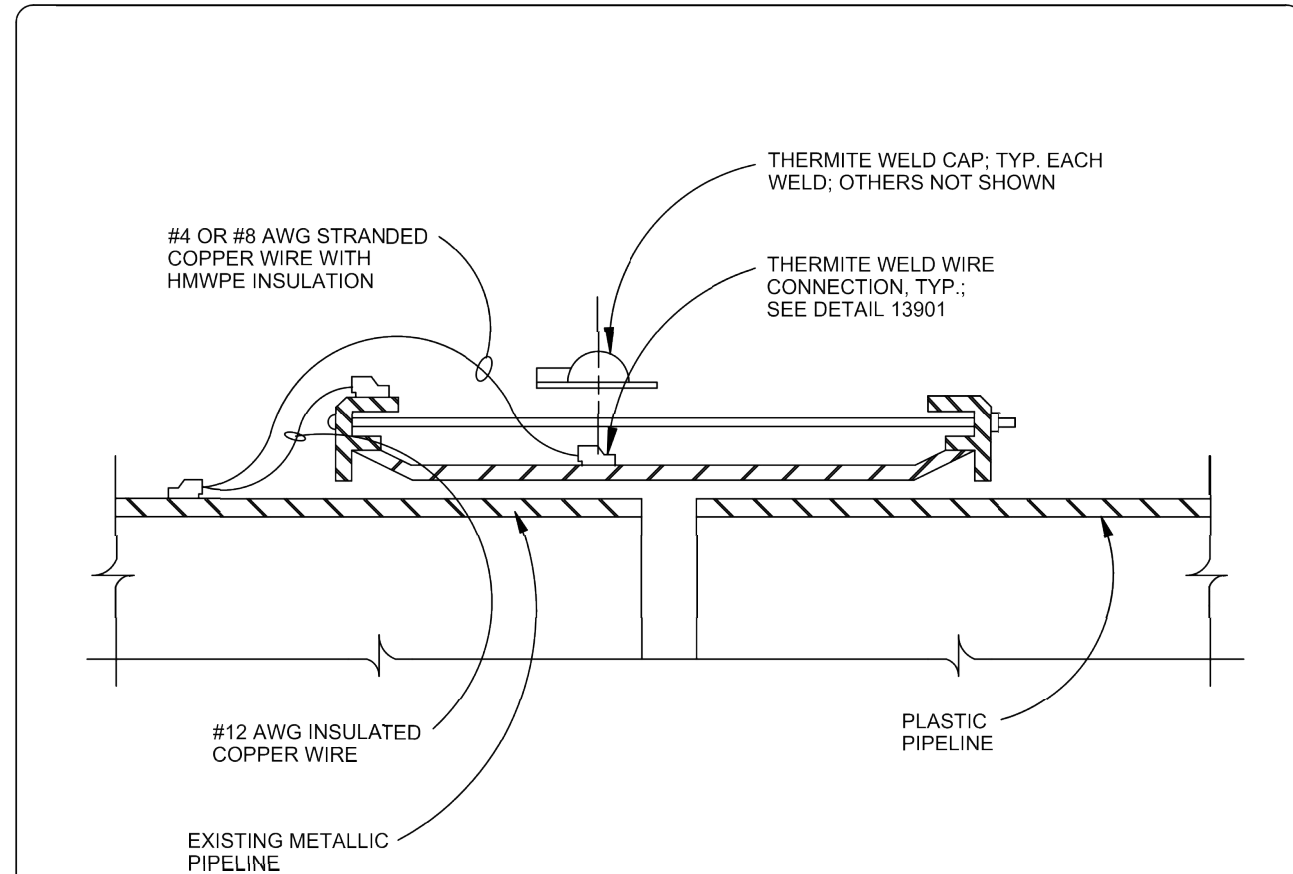
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THERMITE WELD AND WIRE CONNECTION DETAIL

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BONDING OF FLEXIBLE COUPLING AT CONNECTION TO PLASTIC PIPE DETAIL

DWG. NO. 13910

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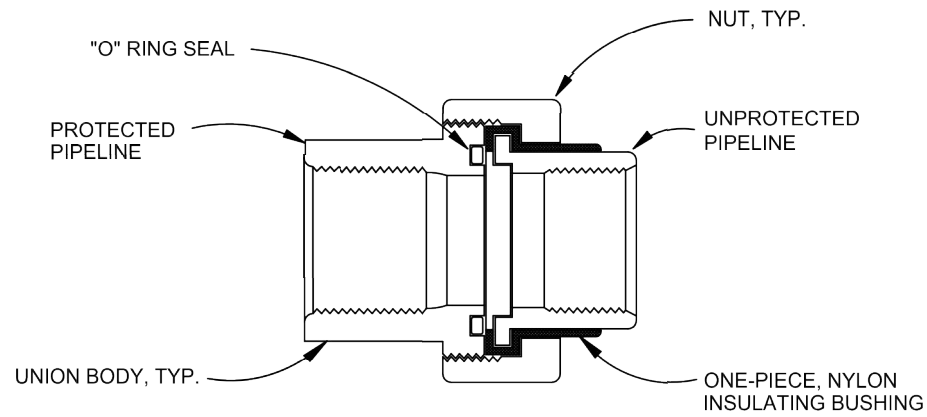
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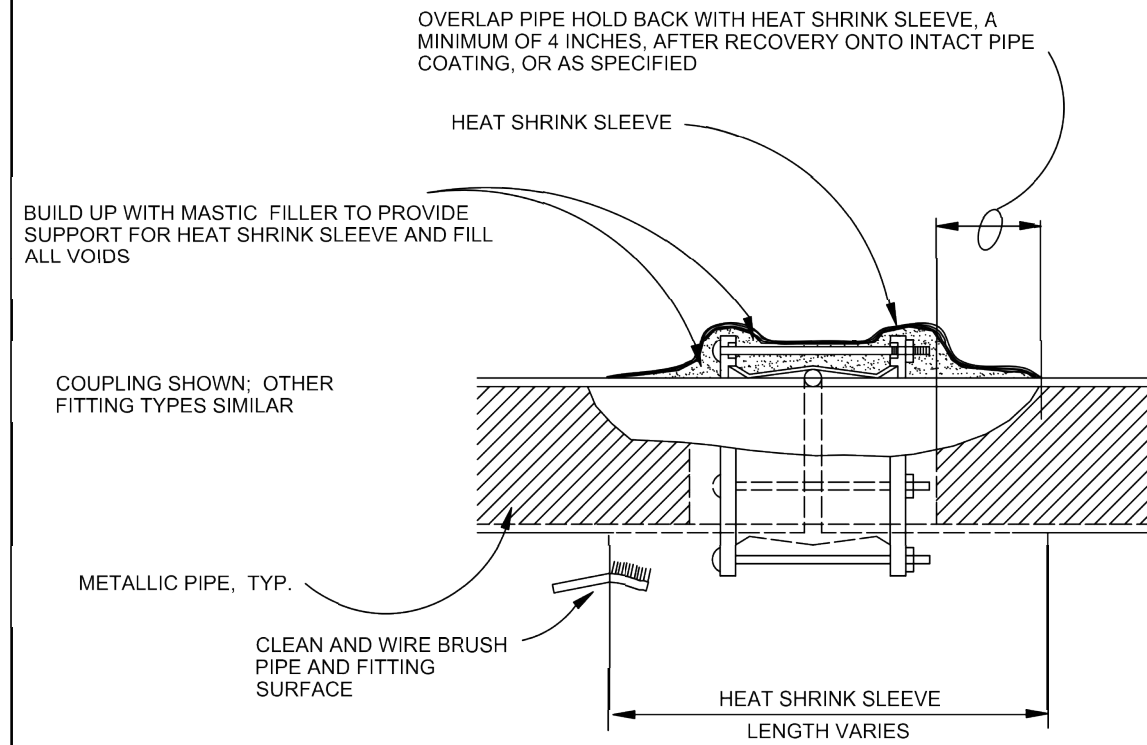
1. "O" RING TYPE INSULATING UNION SHOWN. OTHER TYPES (BRASS INSULATED CURB BALL VALVES, STRAIGHT COUPLINGS, CORPORATION BALL VALVES, METER COUPLINGS, ETC.) SIMILAR.
2. INSULATING O-RING AND NYLON INSULATOR BUSHING SHALL BE MOLDED & BONDED TO THE UNION BODY BY MANUFACTURER.
3. ABOVE-GRADE IRON PIPE SHALL HAVE GALVANIZED OR COATED STEEL BODIES; UNIONS IN BURIED OR CORROSIVE AREAS SHALL BE COATED.
4. COPPER LINE INSULATORS SHALL HAVE BRASS UNION BODY WITH INSULATORS FORMED AND MOLDED INTO BRASS BODY.

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**INSULATING UNIONS AND / OR
COPPER SERVICE INSULATORS DETAIL**

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NOVEMBER 2015	



NOTES:

1. MASTIC FILLER AND SLEEVE SHALL BE AS RECOMMENDED BY HEAT SHRINK MANUFACTURER FOR EACH PIPE AND JOINT TYPE.
2. CLEAN AND ROUGHEN FITTING AND PIPE SURFACE WITH WIRE BRUSH AND APPLY MASTIC FILLER AND HEAT SHRINK SLEEVE PER HEAT SHRINK SLEEVE MANUFACTURER'S DIRECTIONS.
3. JOINT BOND WIRES / STRAPS, ANODE & TEST LEADS (NOT SHOWN) SHALL BE COMPLETELY ENCASED UNDER THE HEAT SHRINK SLEEVE COATING.
4. HEAT SHRINK SLEEVE JOINT COATING SHALL COMPLETELY ENCASE PIPE HOLD BACK, JOINT, AND EXTEND A MINIMUM 4" ONTO INTACT PIPE COATING. MASTIC FILLER SHALL PROVIDE SMOOTH TRANSITION AT ALL EDGES AND STEP-DOWNS AND FILL ALL VOIDS.
5. CORROSION PROTECTION IS SHOWN FOR FLEXIBLE COUPLING JOINT TYPE; PROTECTION OF OTHER JOINT AND FITTING TYPES SIMILAR.
6. COUPLING SHOWN; OTHER FITTING TYPES SIMILAR.

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**HEAT SHRINK SLEEVE FOR FLEXIBLE
COUPLINGS OR FITTINGS DETAIL**

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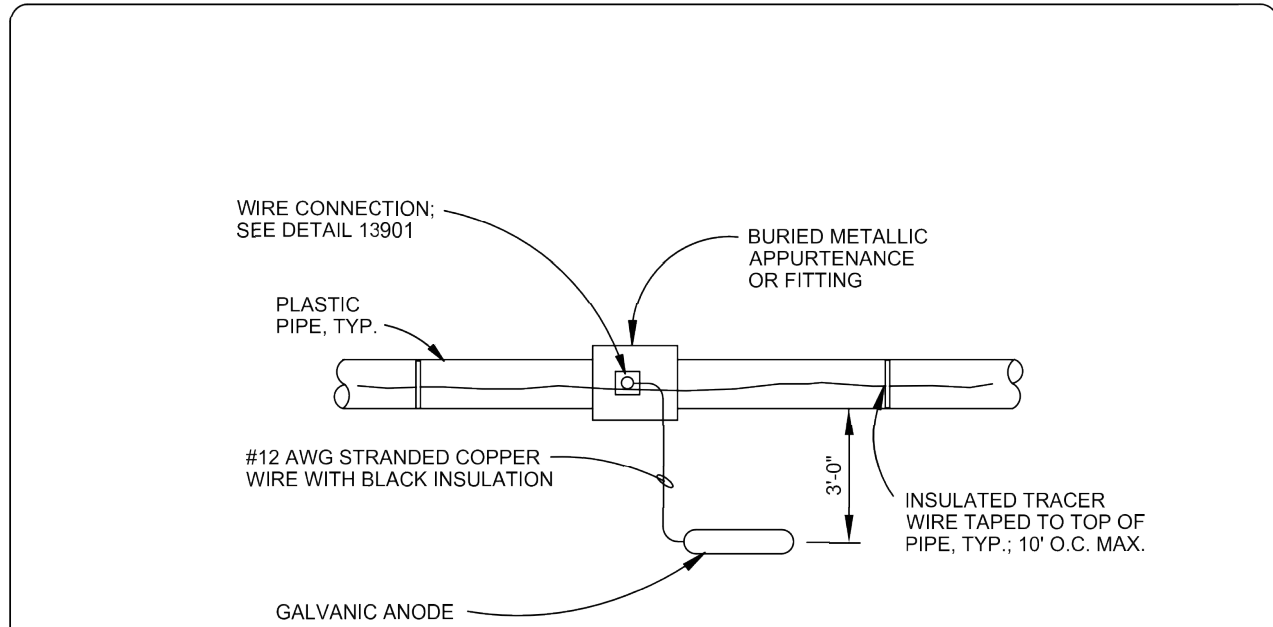
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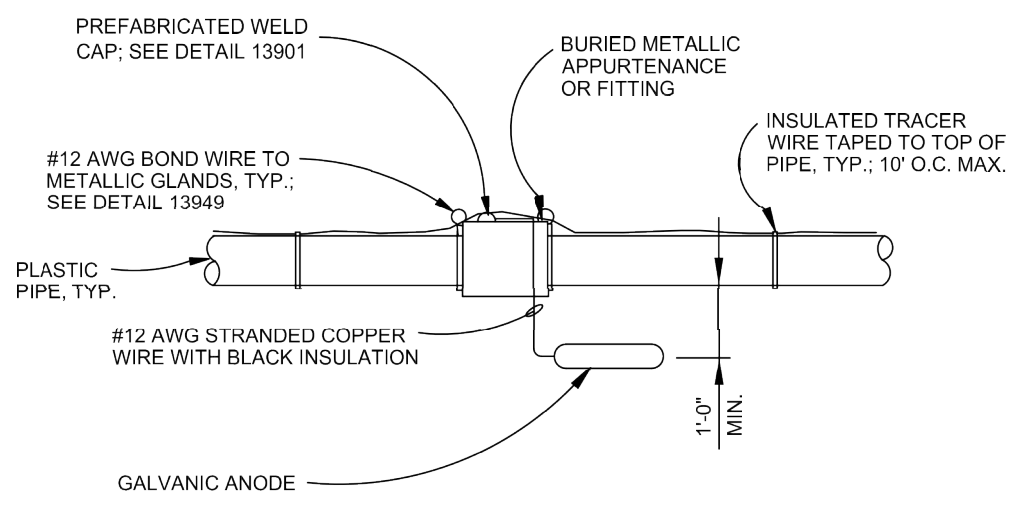
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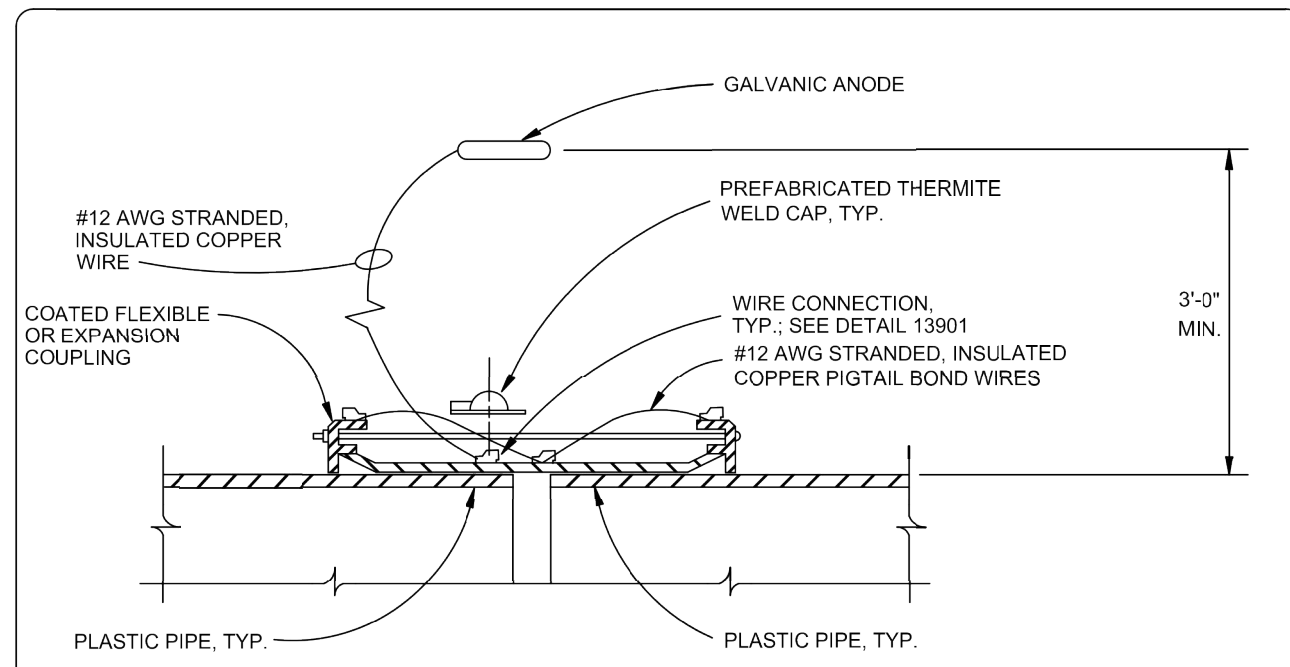
ELEVATION

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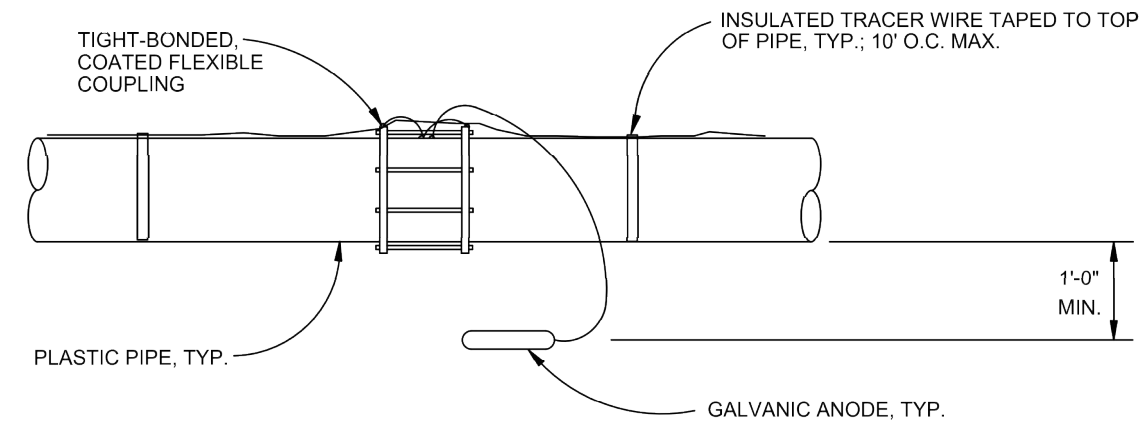
GALVANIC ANODE INSTALLATION AT BURIED METALLIC FITTINGS DETAIL

DWG. NO. **13940**
CITY of SHERIDAN
 NOVEMBER 2015



SECTION

NOTE:
 PROVIDE NUMBER & SIZE OF ANODES AS SPECIFIED. MINIMUM SHALL BE 1 ANODE.



ELEVATION

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CORROSION PROTECTION FOR FLEXIBLE COUPLING ON PLASTIC PIPE DETAIL

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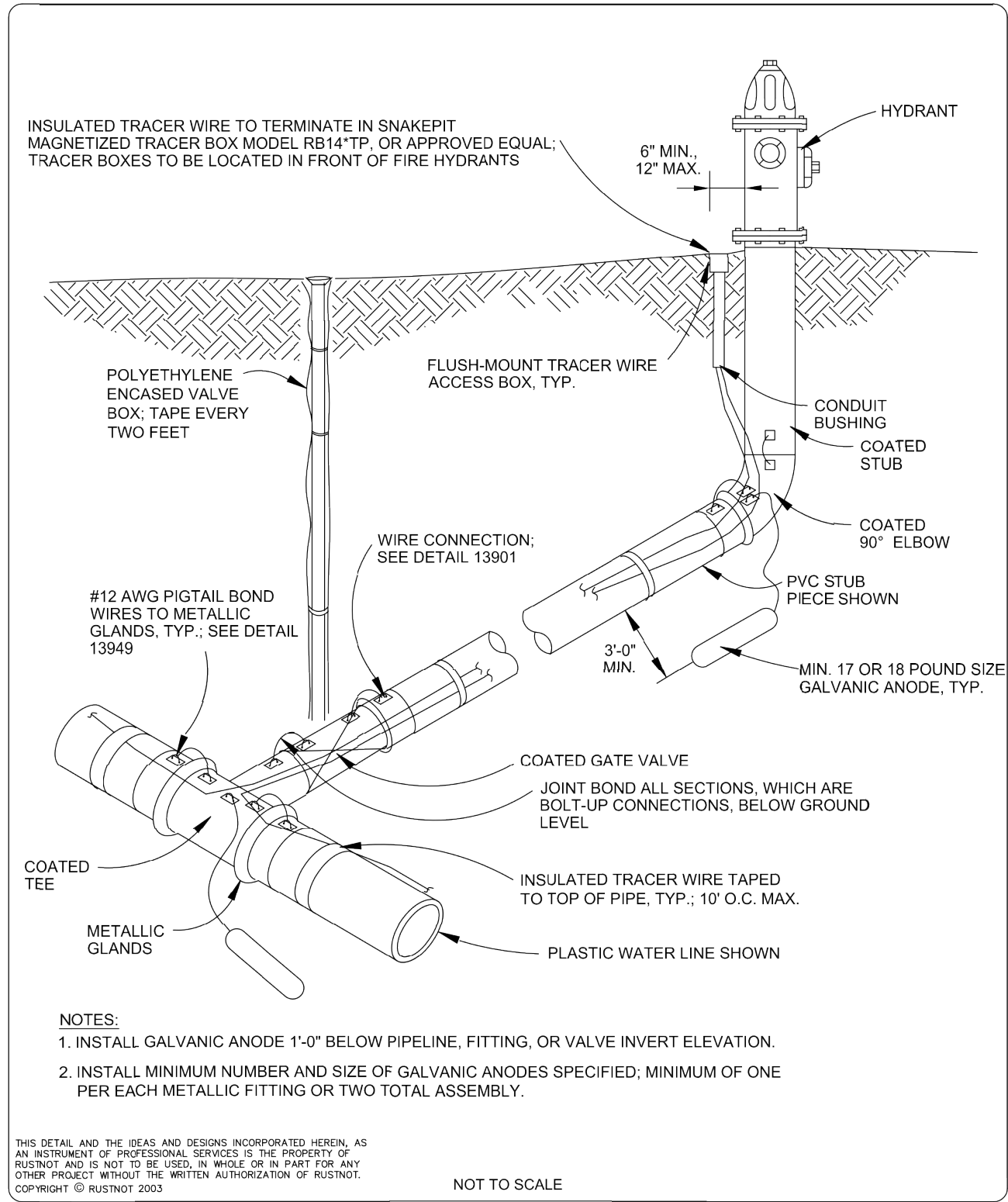
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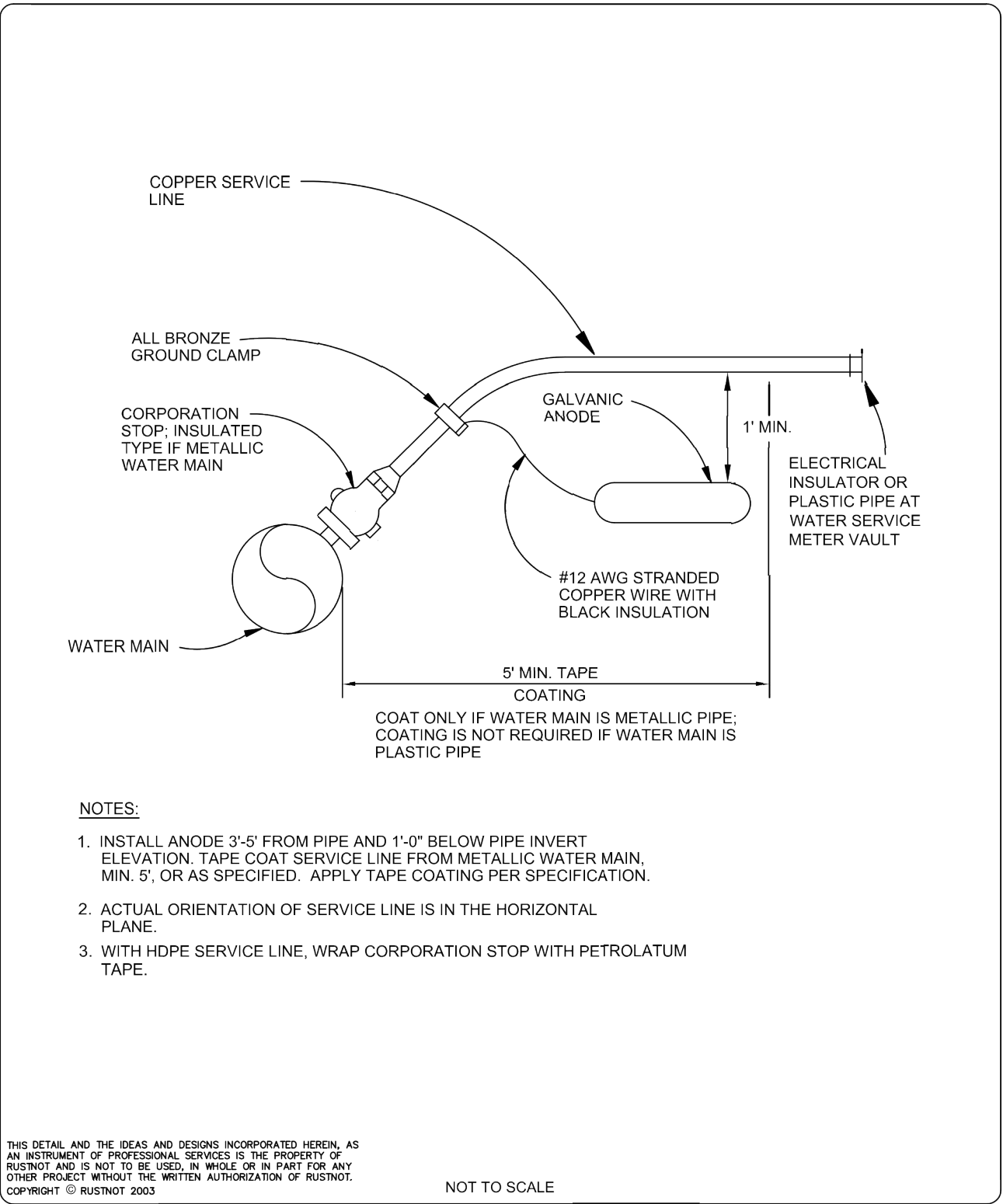
- NOTES:**
1. INSTALL GALVANIC ANODE 1'-0" BELOW PIPELINE, FITTING, OR VALVE INVERT ELEVATION.
 2. INSTALL MINIMUM NUMBER AND SIZE OF GALVANIC ANODES SPECIFIED; MINIMUM OF ONE PER EACH METALLIC FITTING OR TWO TOTAL ASSEMBLY.

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GALVANIC ANODE INSTALLATION AT HYDRANT ASSEMBLIES W/ PVC STUB DETAIL

DWG. NO. **13944P**
CITY of SHERIDAN
 NOVEMBER 2015



- NOTES:**
1. INSTALL ANODE 3'-5' FROM PIPE AND 1'-0" BELOW PIPE INVERT ELEVATION. TAPE COAT SERVICE LINE FROM METALLIC WATER MAIN, MIN. 5', OR AS SPECIFIED. APPLY TAPE COATING PER SPECIFICATION.
 2. ACTUAL ORIENTATION OF SERVICE LINE IS IN THE HORIZONTAL PLANE.
 3. WITH HDPE SERVICE LINE, WRAP CORPORATION STOP WITH PETROLATUM TAPE.

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ANODE WIRE CONNECTION TO COPPER SERVICE LINE DETAIL

DWG. NO. **13945**
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NO.	REVISION	BY	DATE

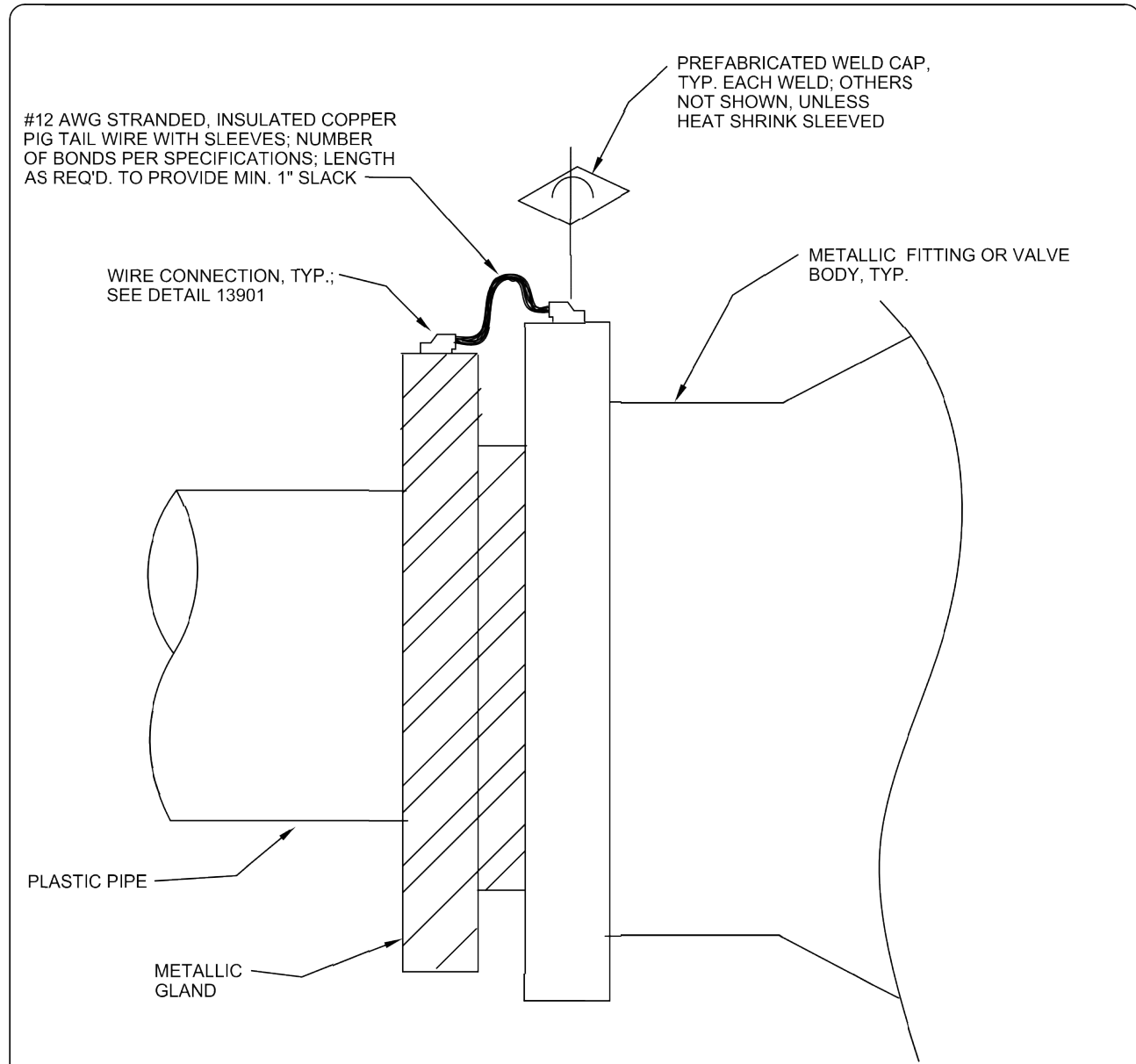
PREPARED BY
WWC ENGINEERING
 1849 TERRA AVE.
 SHERIDAN, WY 82801
 (307) 672-0761
 www.wwcengineering.com

SCOTT GERBER
BENDER SUBDIVISION
CITY OF SHERIDAN STANDARD DETAILS
 SHERIDAN COUNTY, WYOMING

DESIGNED BY: SER
 DRAWN BY: CIG
 CHECKED BY: CDR
 DATE: 08/03/2022

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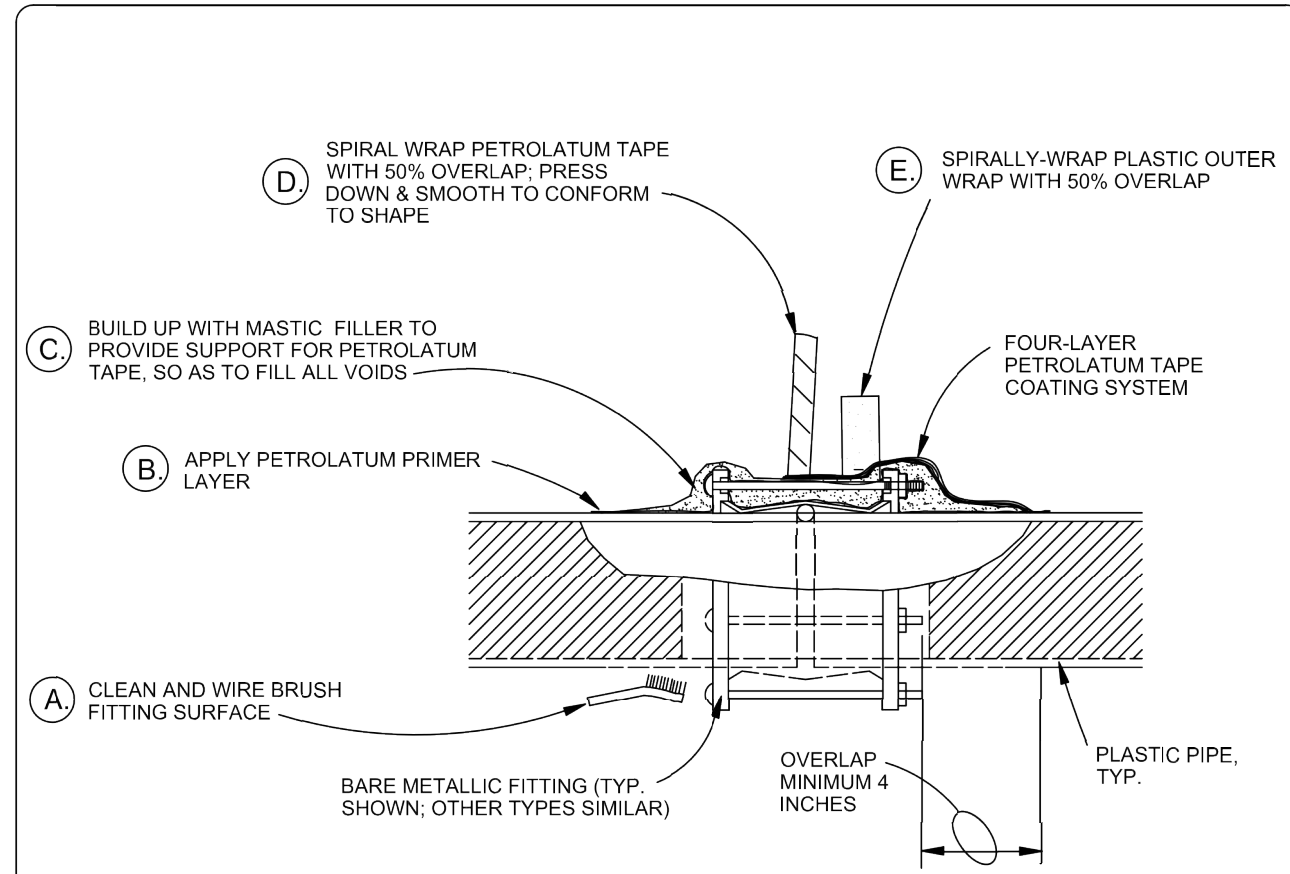
- NOTES:**
1. BOND PLASTIC PIPE METALLIC GLANDS TO METALLIC FITTING BODY.

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METALLIC FITTING GLANDS DETAIL

DWG. NO. **13949**
CITY of SHERIDAN
 NOVEMBER 2015



- NOTES:**
1. PRIMER, MASTIC FILLER, TAPE, AND OUTER WRAP AS RECOMMENDED BY TAPE MANUFACTURER FOR EACH FITTING TYPE AND ENVIRONMENT.
 2. CLEAN AND ROUGHEN FITTING SURFACE WITH WIRE BRUSH AND APPLY PETROLATUM PRIMER LAYER, MASTIC FILLER, PETROLATUM TAPE, AND PLASTIC OUTER WRAP, PER MANUFACTURER'S DIRECTIONS.
 3. JOINT BOND WIRES, ANODE & TEST LEADS (NOT SHOWN) SHALL BE COATED WITH HANDYCAP & THEN ENCASED UNDER PETROLATUM TAPE COATING.
 4. PRIMER AND MASTIC FILLER SHALL PROVIDE SMOOTH TRANSITION AT ALL EDGES AND STEP-DOWNS AND FILL ALL VOIDS.
 5. PETROLATUM TAPE COATING SHALL COMPLETELY ENCASE BARE METALLIC FITTING & EXTEND A MIN. 4" ONTO PLASTIC PIPE SURFACE.
 6. FOUR-LAYER SYSTEM WITH PROTECTIVE WRAP FOR BURIED CONDITIONS AND THREE-LAYER SYSTEM FOR ABOVE-GRADE APPLICATIONS.
 7. CORROSION PROTECTION IS SHOWN FOR FLEXIBLE COUPLING JOINT TYPE. PROTECTION OF OTHER BARE OR COPPER METALLIC FITTING TYPES SIMILAR.

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PETROLATUM TAPE COATING FOR BARE METALLIC COUPLINGS & FITTINGS DETAIL

DWG. NO. **13967**
CITY of SHERIDAN
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**SCOTT GERBER
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 CITY OF SHERIDAN STANDARD DETAILS
 SHERIDAN COUNTY, WYOMING**

DESIGNED BY: SER
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