

Construction Plans

COUNTY ROAD PROJECT (CRP) #1011 / ROAD LOG # 24250

21st ST NE - N BAKER AVE TO N DEVON AVE

Township 23N., Range 20E., W.M., Section 35

SHEET INDEX

DOUGLAS COUNTY TRANSPORTATION

C1	(1 of 22)	COVER SHEET
C2	(2 of 22)	PROJECT AERIAL OVERVIEW
C3	(3 of 22)	SUMMARY OF QUANTITIES
C4	(4 of 22)	ROADWAY SECTIONS
C5	(5 of 22)	DRIVEWAY SCHEDULE AND DRIVEWAY AND SIDEWALK DETAILS
C6	(6 of 22)	PLAN AND PROFILE (BOP) STA A0+34 TO A5+00
C7	(7 of 22)	PLAN AND PROFILE STA A5+00 TO A10+00
C8	(8 of 22)	PLAN AND PROFILE STA A 10+00 TO (EOP) A13+91
C9	(9 of 22)	GRAVITY BLOCK WALL RW1 PLAN, ELEVATION, SECTION, AND SCHEDULE
C10	(10 of 22)	ILLUMINATION PLAN (BOP) STA A0+00 TO A10+00
C11	(11 of 22)	ILLUMINATION PLAN STA A10+00 TO (EOP) A13+91
C12	(12 of 22)	NE 21st ST WATER ASSOCIATION (NWSA) PRIVATE IRRIGATION STA A5+00 TO A10+95
C13	(13 of 22)	PAVEMENT MARKING AND PERMANENT SIGNING PLAN
C14	(14 of 22)	TEMPORARY TRAFFIC CONTROL PLAN
C15	(15 of 22)	TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN (BOP) A0+00 TO (EOP) A13+91

DOUGLAS COUNTY SEWER DISTRICT

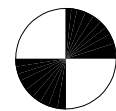
SS01	(16 of 22)	SANITARY SEWER SYSTEM PLAN
SS02	(17 of 22)	SANITARY SEWER DETAILS

EAST WENATCHEE WATER DISTRICT

W01	(18 of 22)	WATER IMPROVEMENTS 01
W02	(19 of 22)	WATER IMPROVEMENTS 02
W03	(20 of 22)	WATER IMPROVEMENTS 03
D01	(21 of 22)	STANDARD DETAILS 01
D02	(22 of 22)	STANDARD DETAILS 02

COMMISSIONERS

DAN SUTTON (CHAIR)	.....	DISTRICT 1
RANDY AGNEW (VICE CHAIR)	.....	DISTRICT 2
MARC S. STRAUB (COMMISSIONER)	.....	DISTRICT 3



Project Datum NAD 1983/91
Washington Plane Coordinate System,
North Zone U.S. Survey Feet.
Multiply distances by
1.000025886 to convert to ground.
Vertical - NAVD 1988

DOUGLAS COUNTY PERSONNEL

RILEY HAUG, OFFICE ENGINEER	.....	(509) 884-7173 Ext. 6586
DEREK REYNOLDS, CONSTRUCTION INSPECTOR	.....	(509) 630-3567 Ext. 6568
JUSTIN ROOZEN, ENVIRONMENTAL MANAGER	.....	(509) 884-7173 Ext. 6573
DARRIN NELSON, ENGINEERING DESIGNER	.....	(509) 884-7173 Ext. 6548
AARON SIMMONS, P.E. COUNTY ENGINEER	.....	(509) 884-7173 Ext. 6547
MIKE NEER, P.E. CAPITAL PROGRAMS MANAGER	.....	(509) 884-7173 Ext. 6561

UTILITIES

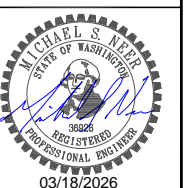
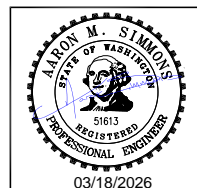
UTILITY	UTILITY NAME	CONTACT	PHONE
POWER	DOUGLAS COUNTY PUD	JED ZOOK	(509) 884-7191
TELEPHONE	ZIPLY FIBER, LLC	CHESNA KERNS	(509) 881-5352
CABLE TV	CHARTER COMMUNICATIONS	MICAH TEETERS	(509) 387-6022
WATER	E. WEN. WATER DIST.	VINCE JOHNSTON	(509) 884-3569
SEWER	DOUGLAS CO. SEWER DISTRICT	KURT HOSMAN	(509) 884-2484
IRRIGATION	WENATCHEE RECLAMATION DIST.	WAYLON MARSHALL	(509) 633-0002
PRIVATE IRR.	NE 21st ST WATER ASSOCIATION	MIKE MILLIKEN	(509) 433-4176

GENERAL NOTES

- The existing topographic and physical features shown on these plans are based on a combination of: record drawings and field survey from Douglas County, franchise utility company records, and field reconnaissance by the County. The Contractor may encounter variations between actual conditions and those shown on the plans.
- The location of existing underground utilities, including irrigation facilities, are shown in an approximate way only and have not been independently verified by the owner or the Engineer. The Contractor shall determine the exact location of all existing utilities before commencing work, and agrees to be fully responsible for any and all damages which might be occasioned by the Contractor's failure to exactly locate and preserve any and all underground utilities. See the Special Provisions for details regarding irrigation systems and utilities, geotechnical conditions, and hazardous materials.
- No construction related activity shall contribute to the degradation of the environment, allow material to enter surface or ground waters, or allow particulate emissions to the atmosphere, which exceed state or federal standards. Any actions that potentially allow a discharge to state waters must have prior approval of the Washington State Department of Ecology.

LEGEND

EXISTING		PROPOSED	
	WATER VALVE		CENTERLINE STATION
	SEWER MANHOLE		DOUGLAS COUNTY ROW ACQUISITION
	STORMWATER MANHOLE		PERPETUAL EASEMENT ACQUISITION
	STORMWATER CATCH BASIN		TEMPORARY CONSTRUCTION EASEMENT
	UTILITY POLE		SAW CUT
	WATER METER		STORM PIPE (CPSSP)
	IRRIGATION VAULT		CATCH BASIN
	MAILBOX		MANHOLE
	TELEPHONE BOX		DETECTABLE WARNING SURFACE
	TRAFFIC SIGN		CONCRETE
	POWER TRANSFORMER		ASPHALT
	FIRE HYDRANT		CSTC
	SURVEY MONUMENT CASE AND COVER		CUT
	DECIDUOUS TREE		FILL
	CONIFEROUS / DECIDUOUS SHRUB		MAJOR CONTOURS
	CONIFEROUS TREE		MINOR CONTOURS
	PARCEL LINES		AREA OF POTENTIAL EFFECT
	DOUGLAS COUNTY RIGHT OF WAY		STORMWATER FLOW DIRECTION
	EDGE OF PAVEMENT		
	FENCE		
	WATER MAIN		
	SANITARY SEWER		
	UNDERGROUND TELEPHONE LINE		
	UNDERGROUND POWER LINE		
	UNDERGROUND FIBER LINE		
	OVERHEAD POWER		
	OVERHEAD CABLE TV		
	OVERHEAD TELEPHONE LINE		
	MAJOR CONTOURS		
	MINOR CONTOURS		



NO.	REVISION	BY	DATE

PLOT DATE: 3-17-26
DESIGNER: DPN
DRAWN BY: DPN / GTP

**21st ST NE -
N Baker Ave to N Devon Ave**

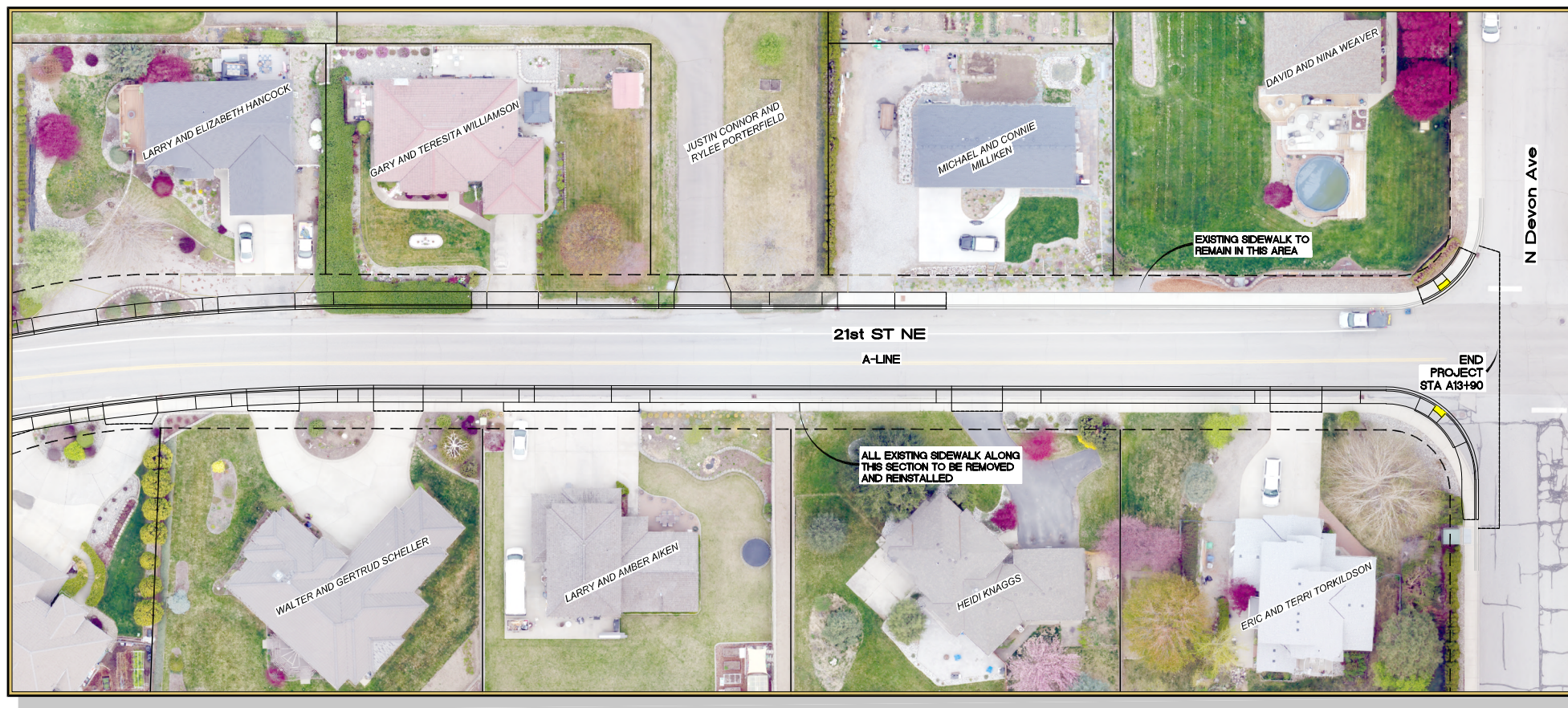


DOUGLAS COUNTY
TRANSPORTATION & LAND SERVICES
110 19th St. NW, E. Wenatchee, WA 98802 PH: (509) 884-7173

COVER SHEET

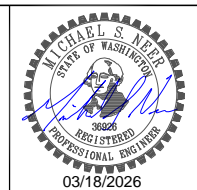
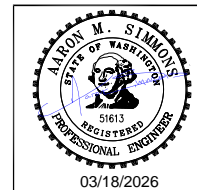
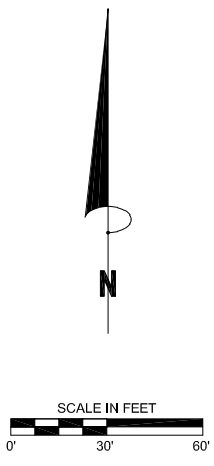
DRAWING NAME:
1011_COV
PROJECT NO.
CRP 1011

C1



PROJECT DESCRIPTION AND OVERVIEW

This project will reconstruct 21st ST NE from N Baker Ave to N Devon Ave at a length of 1,356 l.f. This roadway will include 11 foot wide lanes and a designated 5 foot wide bike lane along each lane. The new roadway section depths will consist of 0.70' crushed surfacing base course, 0.25' crushed surfacing top course, and 0.30' hot mix asphalt with a roadway width of 32'. New sidewalk will be installed along the corridor, except where areas of existing will remain. A new storm water system will be installed and tie into the existing N Baker Ave system. Vertical and horizontal alignments will relatively remain the same as the existing roadway.



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 DRAWN BY: DPN / GTP

21st ST NE - N Baker Ave to N Devon Ave



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 TRANSPORTATION & LAND SERVICES
 140 19th St. SW, E. Wenatchee, WA 98802 PH: (509) 884-7173

PROJECT AERIAL OVERVIEW

DRAWING NAME:
1011_AERIAL

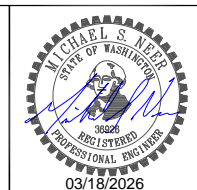
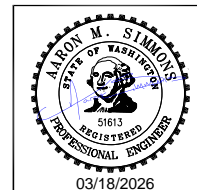
PROJECT NO.
CRP 1011

C2

Sheet 2 of 22

SUMMARY OF QUANTITIES

ITEM NO.	TOTAL QUANTITY	SUB-TOTAL SECTION 1-07.2(1) STANDARD SPECS	SUB-TOTAL SECTION 1-07.2(2) STANDARD SPECS	UNIT	ITEM	GROUP 1	GROUP 2	GROUP 3	GROUP 4	ITEM NO.	TOTAL QUANTITY	SUB-TOTAL SECTION 1-07.2(1) STANDARD SPECS	SUB-TOTAL SECTION 1-07.2(2) STANDARD SPECS	UNIT	ITEM	GROUP 1	GROUP 2	GROUP 3	GROUP 4
						DOUGLAS COUNTY	DOUGLAS COUNTY SEWER DISTRICT	EAST WENATCHEE WATER DISTRICT	NE 21ST STREET WATER ASSOCIATION							DOUGLAS COUNTY	DOUGLAS COUNTY SEWER DISTRICT	EAST WENATCHEE WATER DISTRICT	NE 21ST STREET WATER ASSOCIATION
PREPARATION																			
1	Lump Sum	Lump Sum	Lump Sum	L.S.	Mobilization	Lump Sum	Lump Sum	Lump Sum	Lump Sum	35	1065	1065		Ton	HMA Cl. 1/2 In. PG 64H-28	1,065			
2	0.5	0.5		Acre	Clearing and Grubbing		0.5								IRRIGATION				
3	Lump Sum	Lump Sum		L.S.	Removal of Structures and Obstructions	Lump Sum				36	Lump Sum		Lump Sum	L.S.	Irrigation System				Lump Sum
4	590	590		L.F.	Sawcutting	590									EROSION CONTROL				
GRADING																			
5	2400	2400		C.Y.	Roadway Excavation Incl. Haul	2,400				37	60	60		Day	ESC Lead	60			
6	230	230		C.Y.	Embankment Compaction	230				38	15	15		Each	Inlet Protection	15			
STORM SEWER																			
7	7	7		Each	Catch Basin Type 2 48" Bolt-Down Manhole Ring and Solid Cover	7				39	\$10,000.00	\$10,000.00		Est.	Erosion/Water Pollution Control	\$10,000.00			
8	1	1		Each	Catch Basin Type 2 - 72 In. Diam.	1				40	0.5	0.5		Acre	Seeding, Fertilizing, and Mulching	0.5			
9	13	13		Each	Catch Basin Type 1L - Combination Inlet	13				41	220	220		L.F.	High Visibility Silt Fence	220			
10	210	210		L.F.	Corrugated Polyethylene Storm Sewer Pipe 12 In. Diam.	210				42		2546	2546	L.F.	Cement Conc. Traffic Curb and Gutter	2,546			
11	1300	1300		L.F.	Corrugated Polyethylene Storm Sewer Pipe 18 In. Diam.	1,300				43	85	85		L.F.	Cement Conc. Pedestrian Curb	85			
12	1	1		Each	Connection to Existing Drainage System	1				44	Lump Sum	Lump Sum	Lump Sum	L.S.	Project Temporary Traffic Control	Lump Sum	Lump Sum	Lump Sum	Lump Sum
SANITARY SEWER																			
13	2		2	Each	Adjust Manhole					45	210	210		S.F.	Construction Sign Class A	210			
14	1		1	Each	Special Manhole Adjustment - 35-115			2		46	5	5		Each	Monument Case and Cover	5			
15	1		1	Each	Special Manhole Adjustment - 35-43			1		47	800	800		S.Y.	Cement Concrete Sidewalk	800			
16	1		1	Each	Special Manhole Adjustment - 35-45			1		48	Lump Sum	Lump Sum		L.S.	Illumination System	Lump Sum			
17	1		1	Each	Special Manhole Adjustment - 35-47			1		49	535	535		S.Y.	Cement Conc. Driveway Entrance Type 1 Modified	535			
18	29		29	L.F.	PVC Sanitary Sewer Pipe 12 In. Diam.			29		50		Lump Sum	Lump Sum	L.S.	Type B Progress Schedule	Lump Sum			
WATER LINES																			
19	180		180	L.F.	Ductile Iron Pipe for Water Main 6 In. Diam.			180		51	5	5		Each	Parallel Curb Ramp Type A	5			
20	86		86	L.F.	Ductile Iron Pipe for Water Main 8 In. Diam.			1		52	40	40		L.F.	Chain Link Fence Type 4	40			
21	1		1	Each	Gate Valve 6 Inch			1		53	Lump Sum	Lump Sum		L.S.	Roadway Surveying	Lump Sum			
22	Lump Sum		Lump Sum	L.S.	Connection to Existing at Sta. 6+11A					54	11	11		C.Y.	Structure Excavation Class A Incl. Haul	11			
23	Lump Sum		Lump Sum	L.S.	Connection to Existing at Sta. 7++19A					55	Lump Sum	Lump Sum		L.S.	Shoring or Extra Excavation Class B - Douglas County	Lump Sum			
24	Lump Sum		Lump Sum	L.S.	Connection to Existing at Sta. A 13+27					56	Lump Sum	Lump Sum	Lump Sum	L.S.	Shoring or Extra Trench Excavation - EWW		Lump Sum	Lump Sum	
25	1		7	L.S.	Connection to Existing at Sta. A 13+85			7		57	Lump Sum	Lump Sum		L.S.	Shoring or Extra Trench Excavation - DCSD		Lump Sum	Lump Sum	
26	2		2	Each	Watermain Offset			2		58	158	158		S.F.	Concrete Block Wall	158			
27	1		2	L.S.	Abandonment of Terminated Water Facilities			2		59	5	5	5	Each	Pothole			5	
28	7		7	Each	Service Connection 1-1/2 In. Diam. With 5/8"x3/4" Setter			7		60	Lump Sum	Lump Sum		L.S.	SPCC Plan	Lump Sum			
29	5		5	Each	Double Service Connection 1-1/2 In. Diam. With 5/8"x3/4" Setters			5		61	7	7		Each	Mailbox Support Type 1	7			
30	2		2	Each	Adjust Water Service Lid to Finish Grade			2		62	3	3		Each	Mailbox Support Type 2	3			
31	300		300	L.F.	Service Line 2 In. Diam and Smaller			300		63	Lump Sum	Lump Sum		L.S.	ADA Feature Surveying	Lump Sum			
SURFACING																			
32	2550	2550		Ton	Crushed Surfacing Base Course	2,550				64	Lump Sum	Lump Sum		L.S.	Record Drawings (Minimum Bid \$1,000.00)	Lump Sum			
33	1630	1630		Ton	Crushed Surfacing Top Course	1,630				65	Lump Sum	Lump Sum		L.S.	Permanent Signage (HIP)	Lump Sum			
34	25	25		C.Y.	Cement Conc. Pavement	25				66	Lump Sum	Lump Sum		L.S.	Pavement Marking	Lump Sum			
										67	\$10,000.00	\$10,000.00		Est.	Force Account Landscape Repair	\$10,000.00			
										68	\$10,000.00		\$10,000.00	Est.	Minor Change			\$10,000.00	



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 DRAWN BY: DPN / GTP

**21st ST NE -
 N Baker Ave to N Devon Ave**

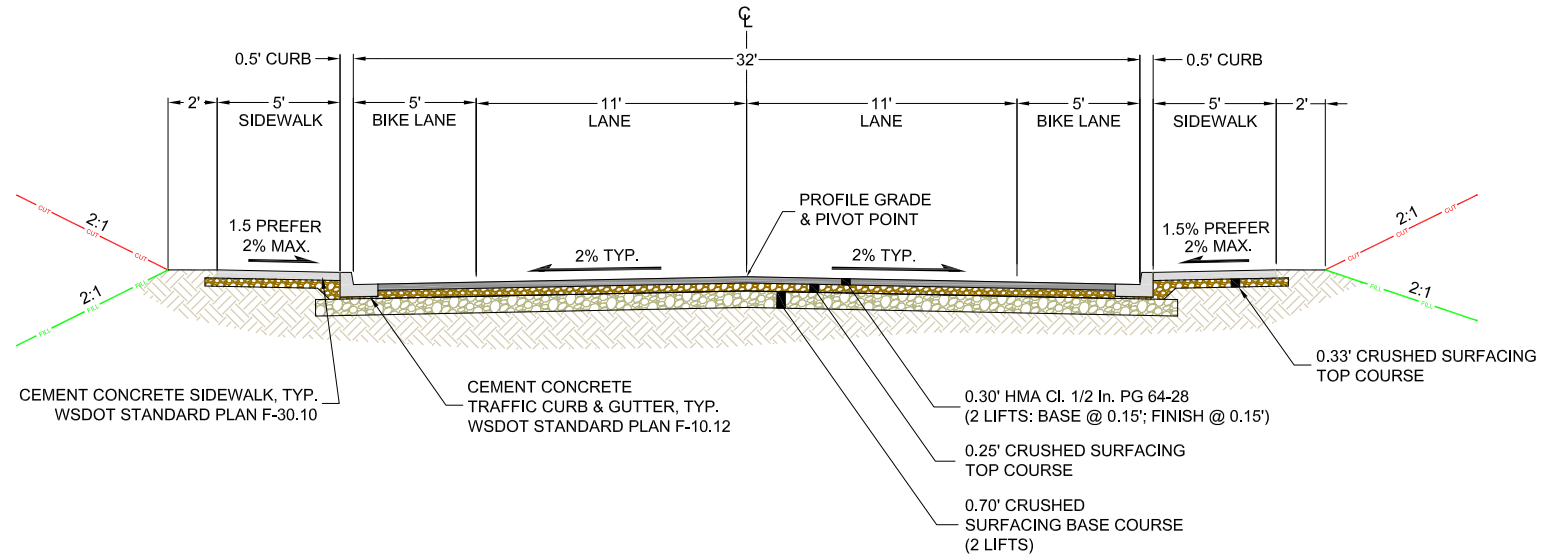


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SUMMARY OF QUANTITIES

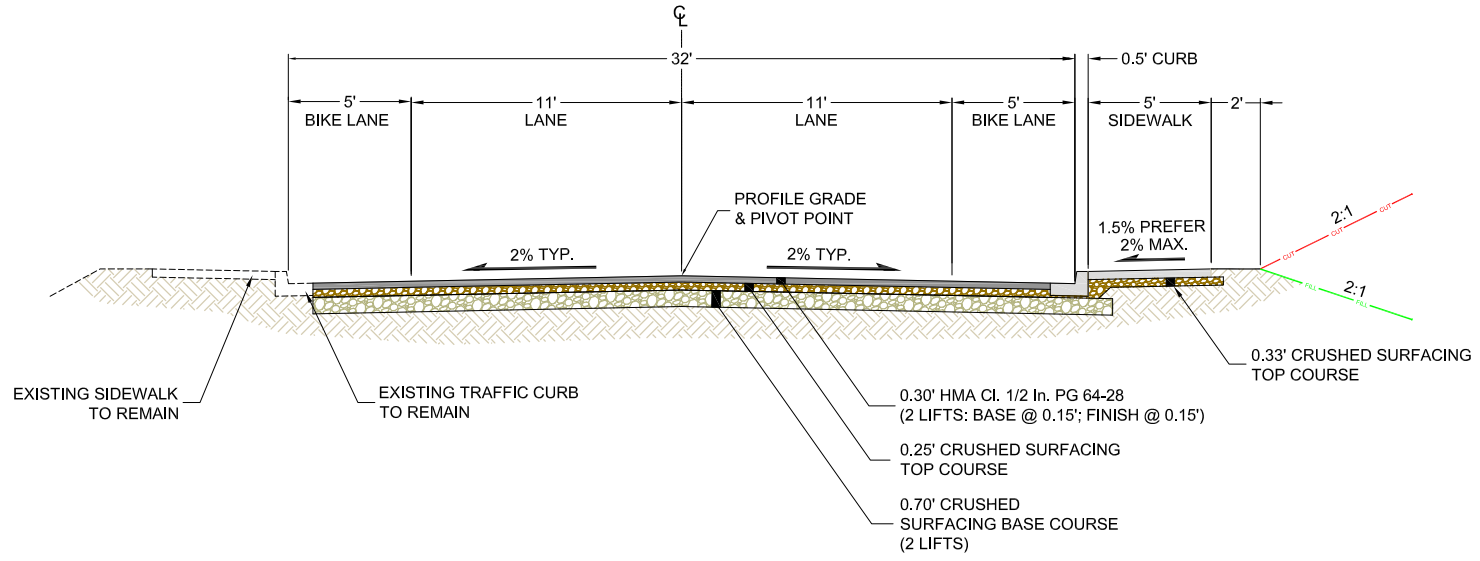
DRAWING NAME:
1011_SUM
PROJECT NO.
CRP 1011

C3
Sheet 3 of 22



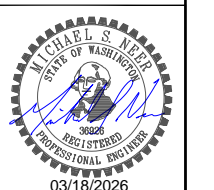
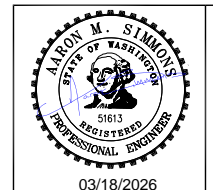
ROADWAY SECTION 1

STA A0+74 TO STA A11+75
STA A13+60 TO CURB RETURNS



ROADWAY SECTION 2

STA A11+75 TO STA A13+60



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**21st ST NE -
N Baker Ave to N Devon Ave**



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140 19th St. NW, E. Wenatchee, WA 98802 PH: (509) 884-7173

ROADWAY SECTIONS

DRAWING NAME:
1011_RDWY_SEC
PROJECT NO.
CRP 1011

C4
Sheet 4 of 22

DRIVEWAY SCHEDULE

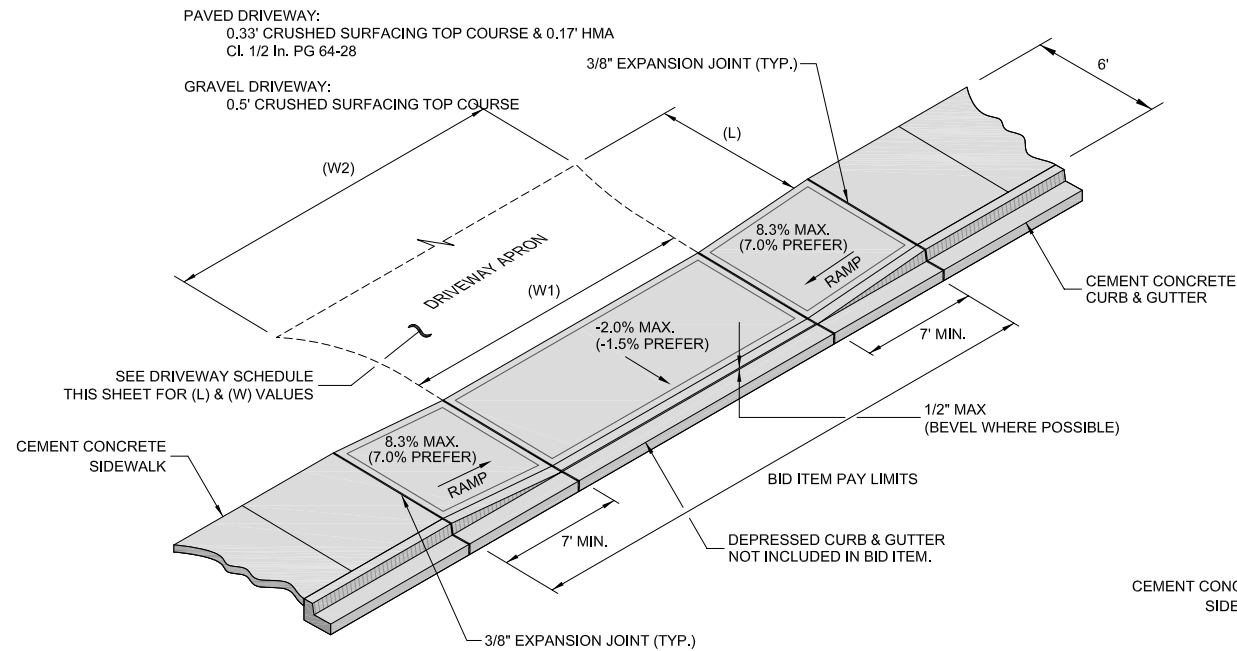
DRIVEWAY #	SHEET NUMBER	STATION	DRIVEWAY ENTRANCE WIDTH (W1) L.F.	MAXIMUM DRIVEWAY WIDTH (W2) L.F.	APRON LENGTH (L) L.F.			WSDOT ENTRANCE TYPE	ENTRANCE QUANT. (SQ. YDS.)	DRIVEWAY APRON QUANTITIES				NOTES
					CONC	HMA	CSTC			HMA (TON)	CSTC (TON)	CSBC (TON)	CONC. (SQ. YDS.)	
DW1	C6	A1+55 RT	40	12			8	TYPE 1 MODIFIED	34		4			DW1 AND DW3 SHARE DRIVEWAY ENTRANCE. SEPARATE APRONS.
DW2	C6	A1+75 LT	45	47	21		17	TYPE 1 MODIFIED	36		31		61	SINCLAIR AND WENATCHEE RECLAMATION DISTRICT SHARE ACCESS. REMOVE 16 L.F. OR EX SOLID WOOD FENCE.
DW3	C6	A1+80 RT	40	11			8	TYPE 1 MODIFIED	COMBINED W/ DW1		4			DW3 AND DW1 SHARE DRIVEWAY ENTRANCE. SEPARATE APRONS.
DW4	C6	A3+40 RT	30	30			8	TYPE 1 MODIFIED	20		9			TRAFFIC CURB BETWEEN DW4 AND DW5 ENTRANCES. LOWERED S/W.
DW5	C6	A3+85 RT	20	20			8	TYPE 1 MODIFIED	20		6			TRAFFIC CURB BETWEEN DW4 AND DW5 ENTRANCES. LOWERED S/W.
DW6	C6	A4+68 RT	20	20	3			TYPE 1 MODIFIED	23		2		7	SAW CUT 21 L.F. OF CONCRETE.
DW6.1	C7	A5+60 LT	30	30	3			TYPE 1 MODIFIED	19		4		12	EAST RAMP PANEL NOT INCLUDED IN THE DW6.1 ENTRANCE QUANTITY. SAW CUT 31 L.F. OF CONCRETE.
DW7	C7	A6+80 RT	30	20		10		TYPE 1 MODIFIED	29	3	5			SAW CUT 18 L.F. OF ASPHALT.
DW8	C7	A6+78 LT	30	30	2			TYPE 1 MODIFIED	29		3		8	MATCH CONC. APRON TO EXISTING CONC. DRIVEWAY SLAB.
DW9	C7	A7+40 LT	30	35			13	TYPE 1 MODIFIED	29		15			
DW10	C7	A8+06 RT	20	20	2			TYPE 1 MODIFIED	23		1		3	SAW CUT 20 L.F. OF CONCRETE.
DW11	C7	A8+35 LT	25	20			13	TYPE 1 MODIFIED	26		8			
DW12	C7	A8+55 RT	20	18	3			TYPE 1 MODIFIED	24		3		7	SAW CUT 19 L.F. OF CONCRETE.
DW13	C7	A9+08 LT	30	50			9	TYPE 1 MODIFIED	29		13			
DW14	C7	A9+12 RT	20	20	3			TYPE 1 MODIFIED	23		2		6	SAW CUT 20 L.F. OF CONCRETE.
DW15	C7	A9+62 RT	20	20	4			TYPE 1 MODIFIED	23		3		8	SAW CUT 20 L.F. OF CONCRETE.
DW16	C8	A10+06 LT	20	18			7	TYPE 1 MODIFIED	23		5			
DW17	C8	A10+30 RT	53	53	4			TYPE 1 MODIFIED	29		7		21	SAW CUT 53 L.F. OF CONCRETE.
DW18	C8	A10+80 LT	22	18		8		TYPE 1 MODIFIED	24	2	3			SAW CUT 18 L.F. OF ASPHALT.
DW19	C8	A11+46 LT	18	18			7	TYPE 1 MODIFIED	25		5			
DW20	C8	A11+88 RT	20	20	4			TYPE 1 MODIFIED	23		3		8	SAW CUT 20 L.F. OF CONCRETE.
DW21	C8	A13+12 RT	20	20	4			TYPE 1 MODIFIED	23		3		8	SAW CUT 20 L.F. OF CONCRETE.
TOTALS:									534	5	139		149	

DRIVEWAY SECTION DEPTHS:

PAVED DRIVEWAY:
0.33' CRUSHED SURFACING TOP COURSE & 0.17' HMA
CL. 1/2 In. PG 64-28

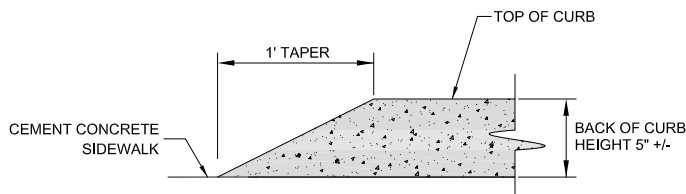
GRAVEL DRIVEWAY:
0.5' CRUSHED SURFACING TOP COURSE

CONCRETE DRIVEWAY:
0.5' CRUSHED SURFACING TOP COURSE
0.5' CEMENT CONCRETE AT 4000 PSI
#4 REBAR AT 24" O.C. EACH WAY (DW2 ONLY)

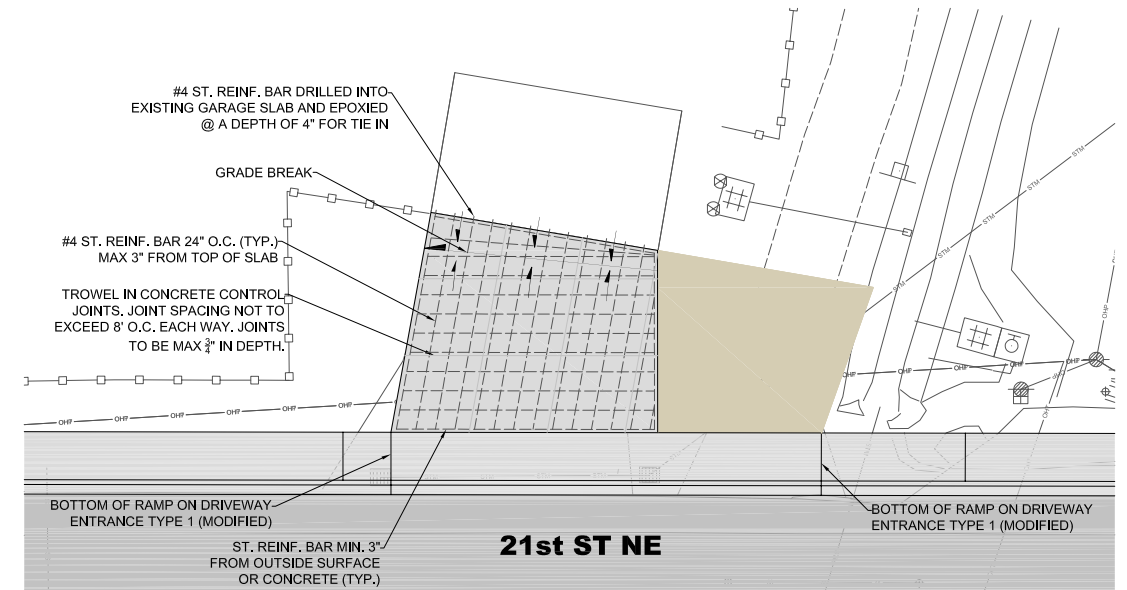


CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 (MODIFIED)
NOT TO SCALE

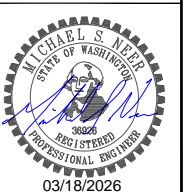
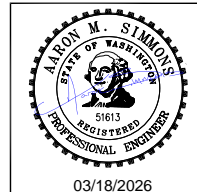
NOTE:
THE CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1 HAS BEEN REVISED FROM THE WSDOT STANDARD PLAN F-80.10. DELETED FROM THE STANDARD PLAN FOR TYPE 1 MODIFIED IS PEDESTRIAN CURB AND THE CONCRETE DRIVEWAY APRON. THE CONTRACTOR SHALL REFERENCE ALL CONSTRUCTION NOTES ON WSDOT STANDARD PLAN F-80.10 PERTAINING TO DRIVEWAY ENTRANCES.
CONCRETE DRIVEWAY APRONS PAID BY "CEMENT CONC. PAVEMENT"



A C6 CURB TRANSITION FROM FLUSH TO FULL HEIGHT
NOT TO SCALE



SINCLAIR RESIDENCE DRIVEWAY (DW2) PLAN VIEW
NOT TO SCALE



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DRAWN BY: DPN

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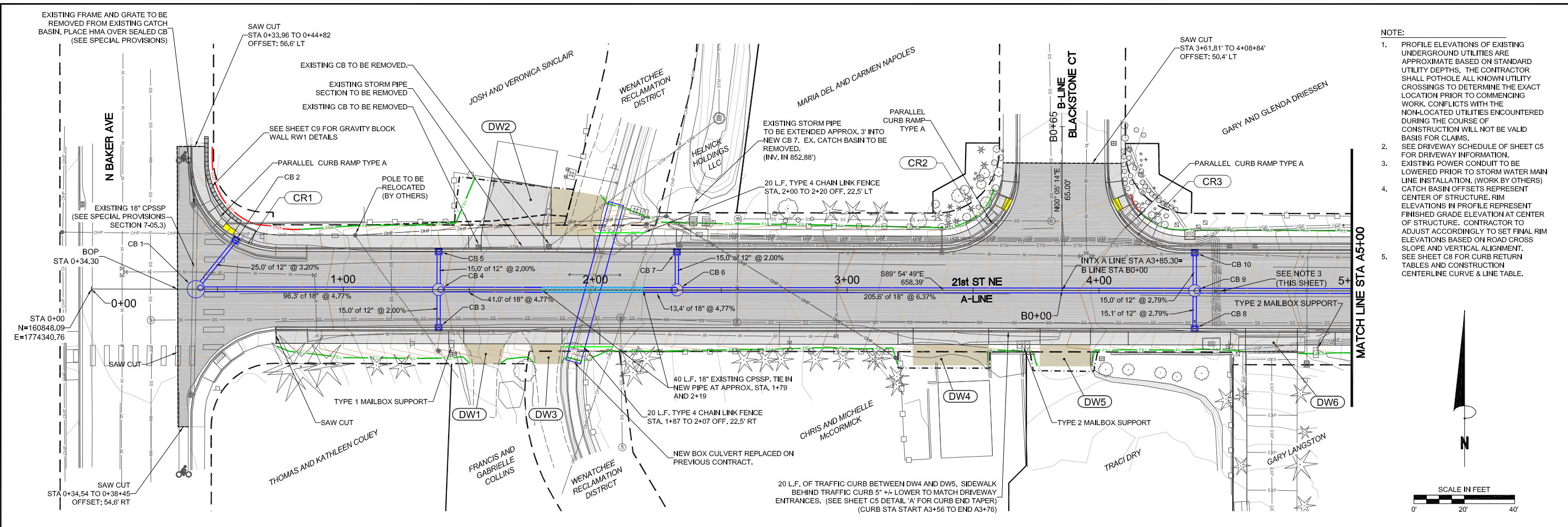


DOUGLAS COUNTY
TRANSPORTATION & LAND SERVICES
140 19th St. NW, E. Wenatchee, WA 98802 PH: (509) 884-7173

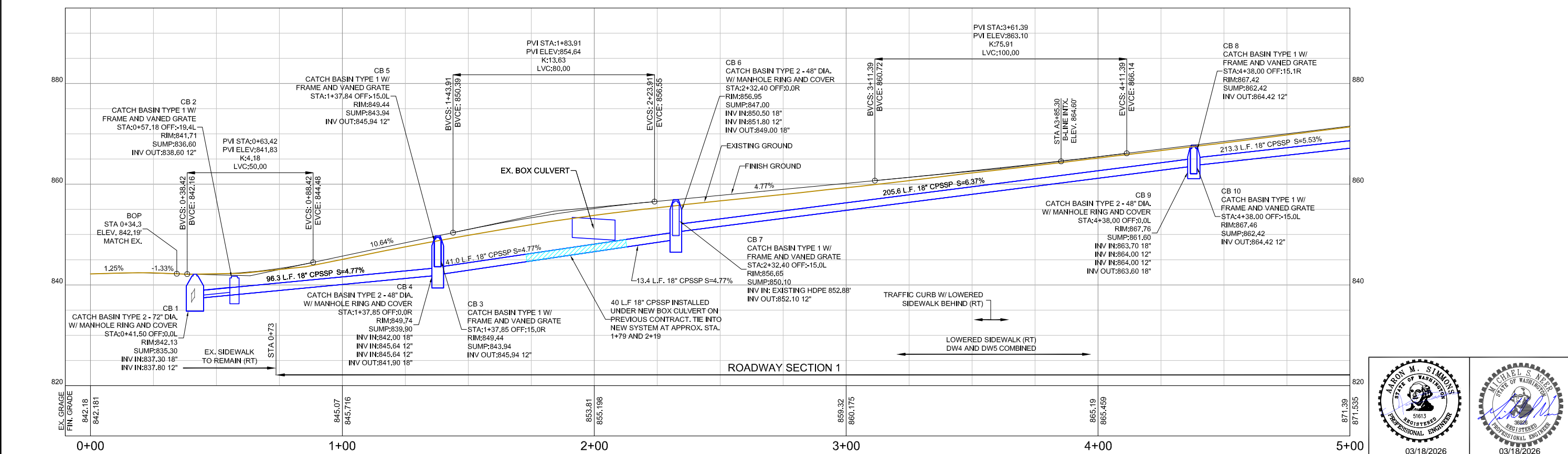
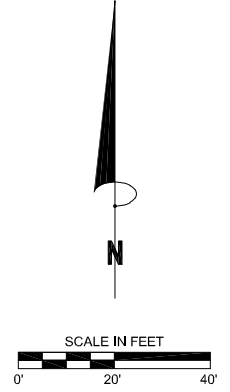
**DRIVEWAY SCHEDULE AND
DRIVEWAY AND SIDEWALK DETAILS**

DRAWING NAME:
1011_DW-SW
PROJECT NO.
CRP 1011

C5



- NOTE:
1. PROFILE ELEVATIONS OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE BASED ON STANDARD UTILITY DEPTHS. THE CONTRACTOR SHALL POTHOLE ALL KNOWN UTILITY CROSSINGS TO DETERMINE THE EXACT LOCATION PRIOR TO COMMENCING WORK. CONFLICTS WITH THE NON-LOCATED UTILITIES ENCOUNTERED DURING THE COURSE OF CONSTRUCTION WILL NOT BE VALID BASIS FOR CLAIMS.
 2. SEE DRIVEWAY SCHEDULE OF SHEET C5 FOR DRIVEWAY INFORMATION.
 3. EXISTING POWER CONDUIT TO BE LOWERED PRIOR TO STORM WATER MAIN LINE INSTALLATION. (WORK BY OTHERS)
 4. CATCH BASIN OFFSETS REPRESENT CENTER OF STRUCTURE. RIM ELEVATIONS IN PROFILE REPRESENT FINISHED GRADE ELEVATION AT CENTER OF STRUCTURE. CONTRACTOR TO ADJUST ACCORDINGLY TO SET FINAL RIM ELEVATIONS BASED ON ROAD CROSS SLOPE AND VERTICAL ALIGNMENT.
 5. SEE SHEET C8 FOR CURB RETURN TABLES AND CONSTRUCTION CENTERLINE CURVE & LINE TABLE.



03/18/2026

03/18/2026

NO.	REVISION	BY	DATE

PLOT DATE: 3-17-26
 DESIGNER: DPN
 DRAWN BY: DPN

21st ST NE - N Baker Ave to N Devon Ave



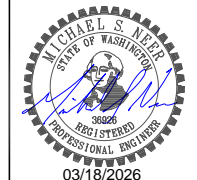
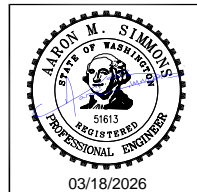
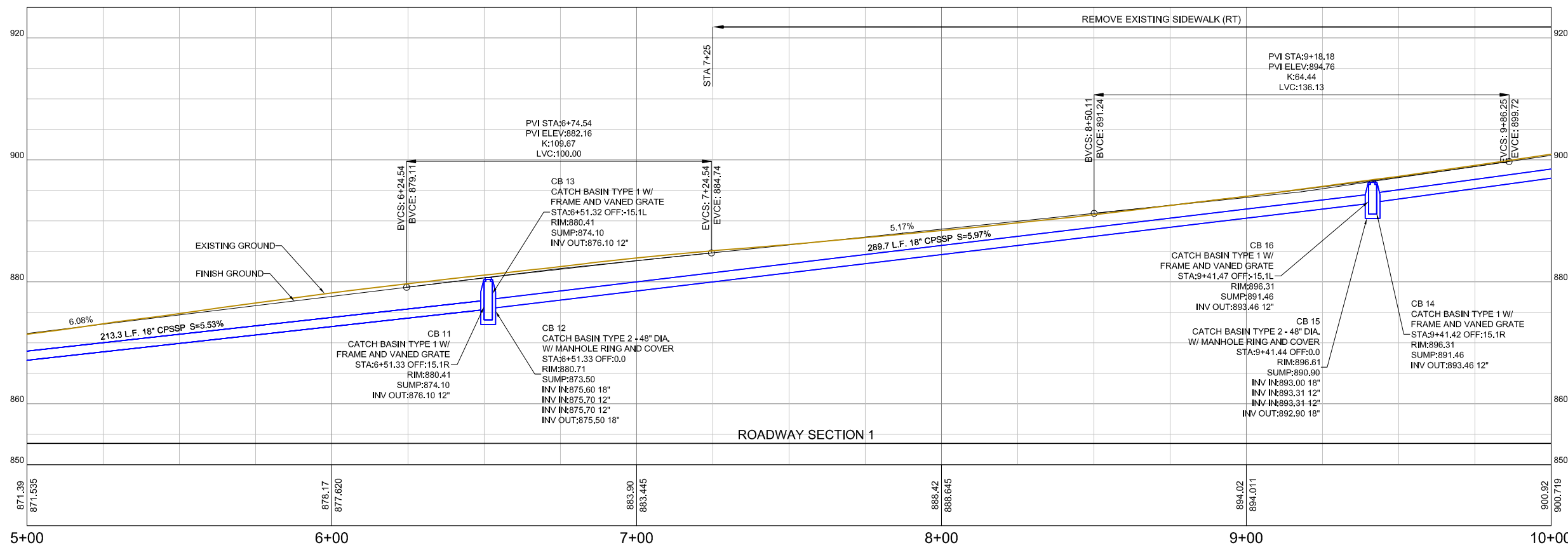
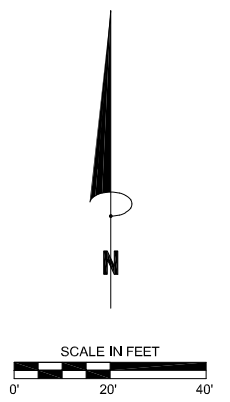
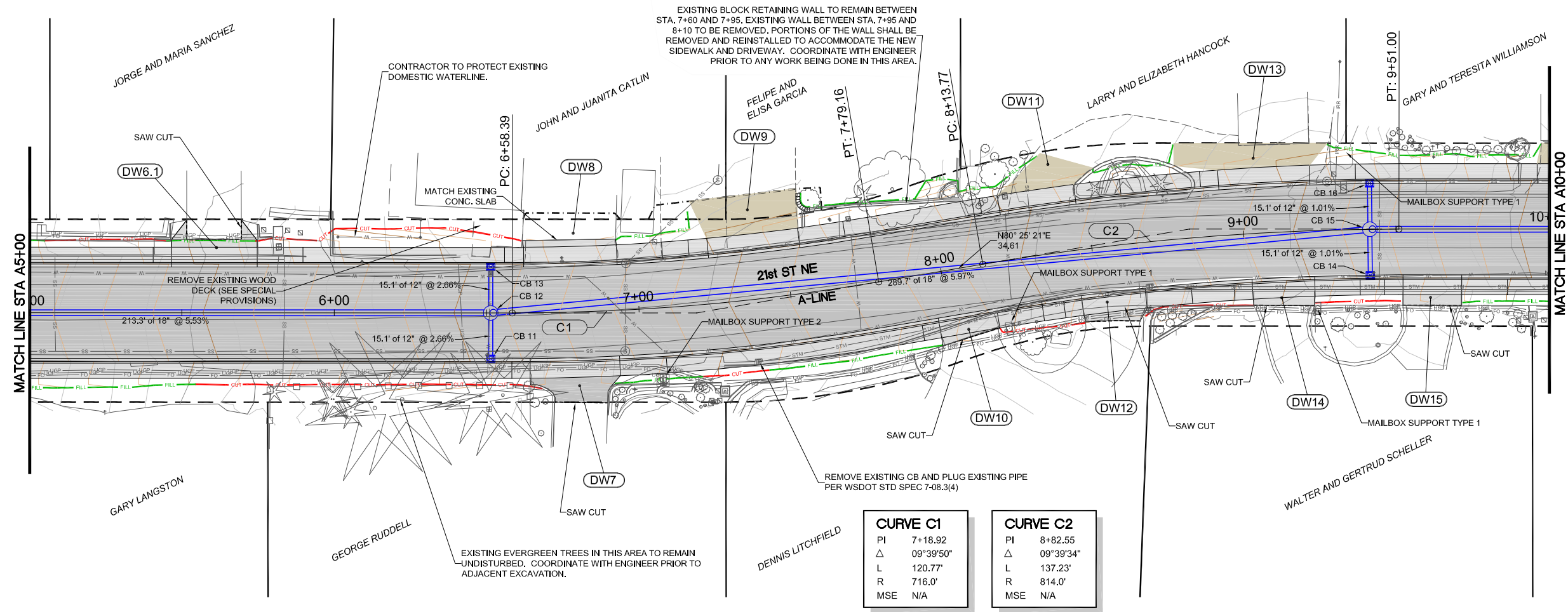
**PLAN AND PROFILE
(BOP) STA A0+34 TO A5+00**

DRAWING NAME:
1011_DW-SW

PROJECT NO.
CRP 1011

C6

Sheet 6 of 22



NO.	REVISION	BY	DATE

PLOT DATE: 3-17-26
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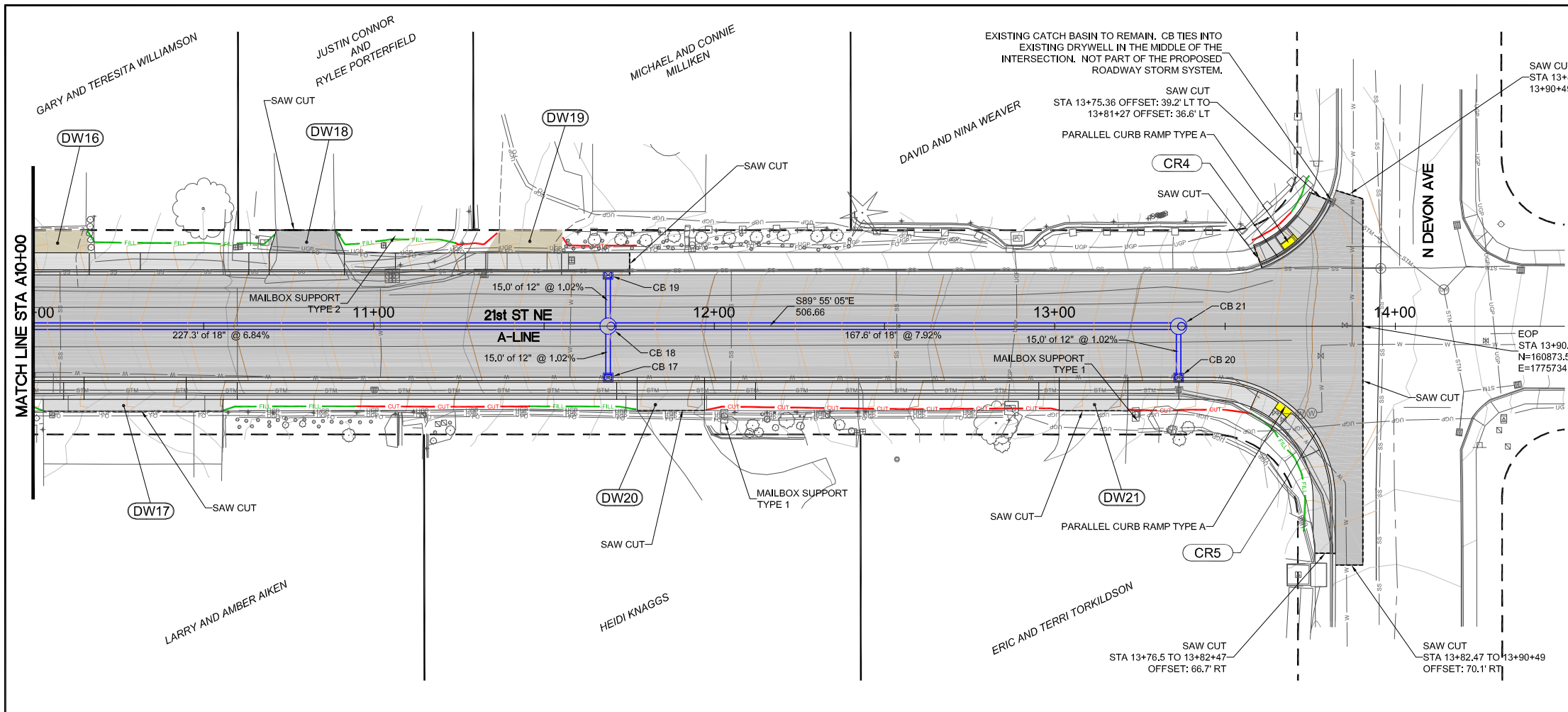
**21st ST NE -
N Baker Ave to N Devon Ave**



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**PLAN AND PROFILE
STA A5+00 TO A10+00**

DRAWING NAME:
1011_DW-SW
PROJECT NO.
CRP 1011



CURB RETURN TABLE CR1			
POINT	STA	OFFSET	ELEV
PC	A0+39.33	51.00' LT	842.55'
1/4	A0+41.99	37.61' LT	842.31'
1/2	A0+49.58	26.26' LT	841.78'
3/4	A0+60.93	18.67' LT	841.83'
PT	A0+74.33	16.01' LT	842.91'

FLOW LINE RADIUS = 35.0'

CURB RETURN TABLE CR2			
POINT	STA	OFFSET	ELEV
PC	A3+37.31	16.00' LT	861.75'
1/4	A3+48.80	18.29' LT	862.51'
1/2	A3+58.54	24.81' LT	863.22'
3/4	A3+65.04	34.56' LT	863.40'
PT	A3+67.31	46.05' LT	863.16'

FLOW LINE RADIUS = 30.0'

CURB RETURN TABLE CR3			
POINT	STA	OFFSET	ELEV
PC	A4+03.35	45.96' LT	863.39'
1/4	A4+05.64	34.49' LT	864.07'
1/2	A4+12.15	24.77' LT	865.12'
3/4	A4+21.88	18.28' LT	866.21'
PT	A4+33.35	16.00' LT	867.17'

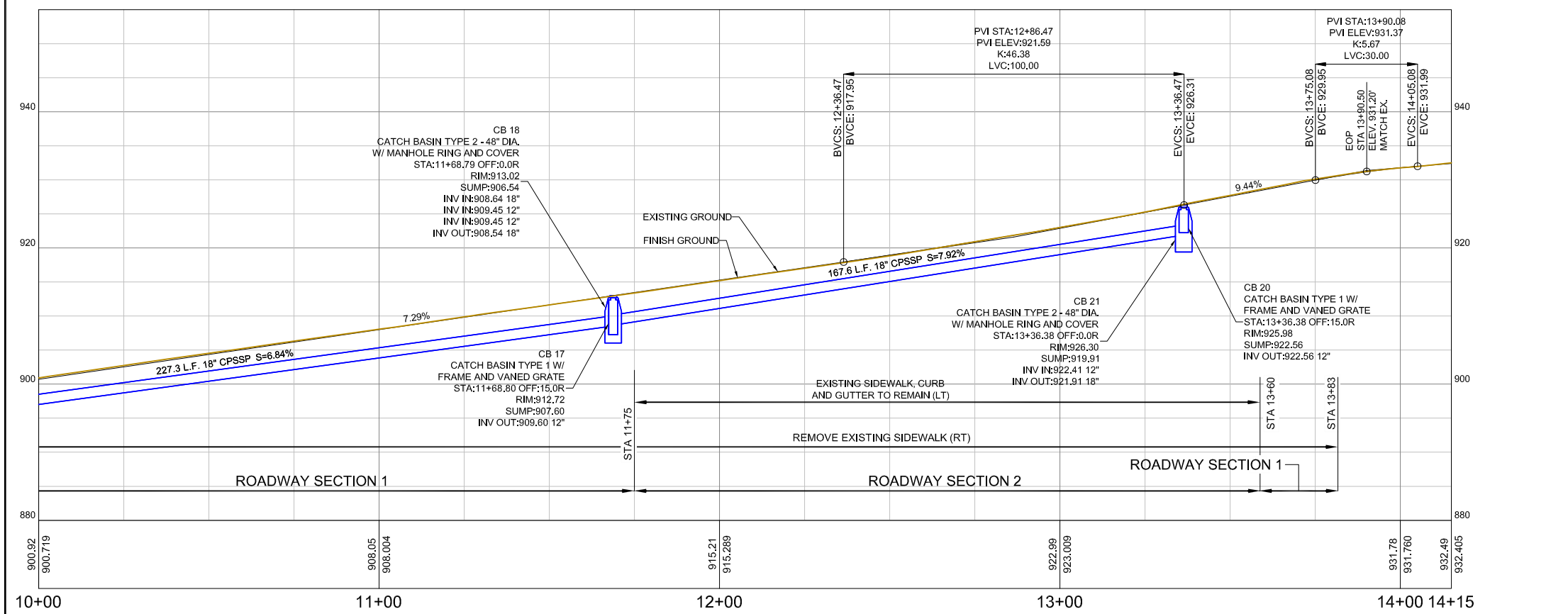
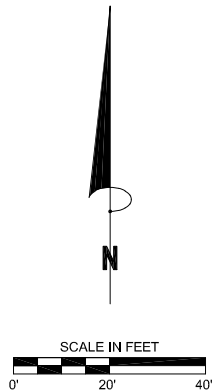
FLOW LINE RADIUS = 30.0'

CURB RETURN TABLE CR4			
POINT	STA	OFFSET	ELEV
PC	A13+60.48	18.20' LT	928.39'
1/2	A13+72.33	25.57' LT	929.62'
PT	A13+80.35	36.98' LT	930.84'

FLOW LINE RADIUS = 35.0'

CURB RETURN TABLE CR5			
POINT	STA	OFFSET	ELEV
PC	A13+46.41	16.00' RT	926.92'
1/4	A13+59.81	18.66' RT	928.38'
1/2	A13+71.16	26.25' RT	929.85'
3/4	A13+78.75	37.61' RT	931.19'
PT	A13+81.41	51.00' RT	932.39'

FLOW LINE RADIUS = 35.0'



NO.	REVISION	BY	DATE

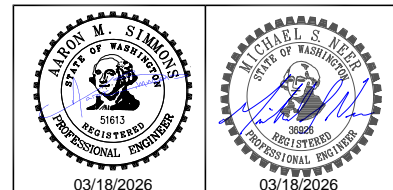
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 DRAWN BY: DPN

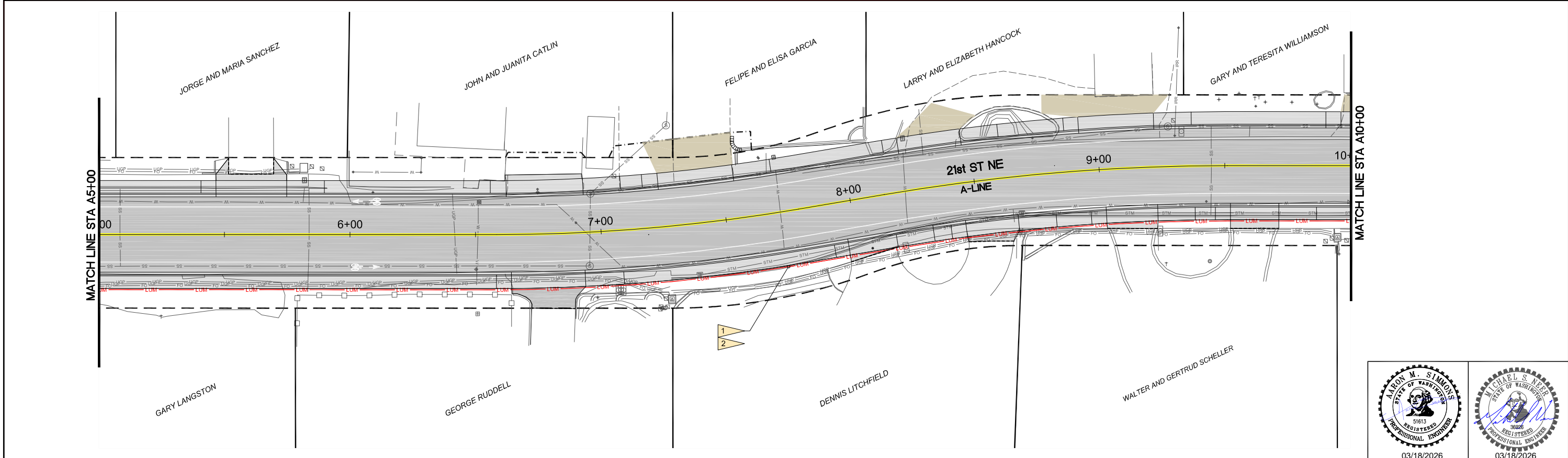
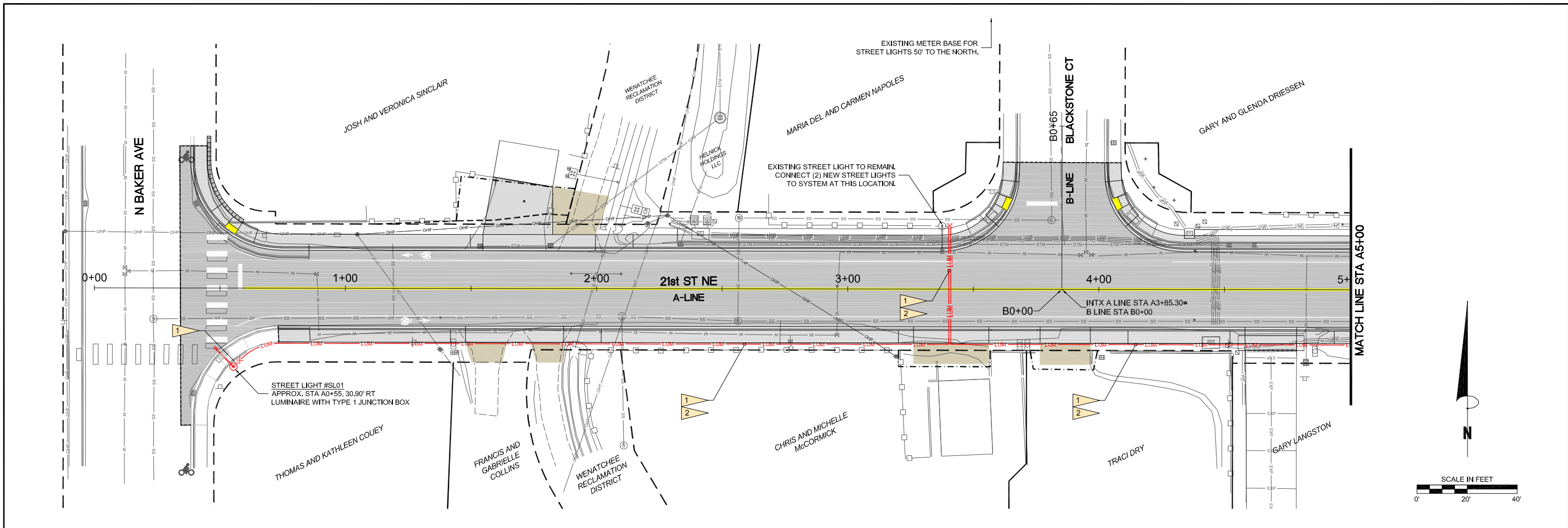
21st ST NE - N Baker Ave to N Devon Ave



**PLAN AND PROFILE
STA A10+00 TO (EOP) A13+91**

DRAWING NAME:
1011_DW-SW
PROJECT NO.
CRP 1011
C8
Sheet 8 of 22





NO.	REVISION	BY	DATE

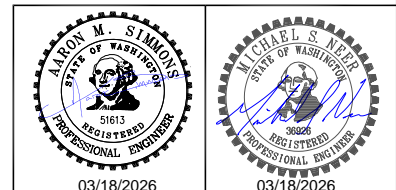
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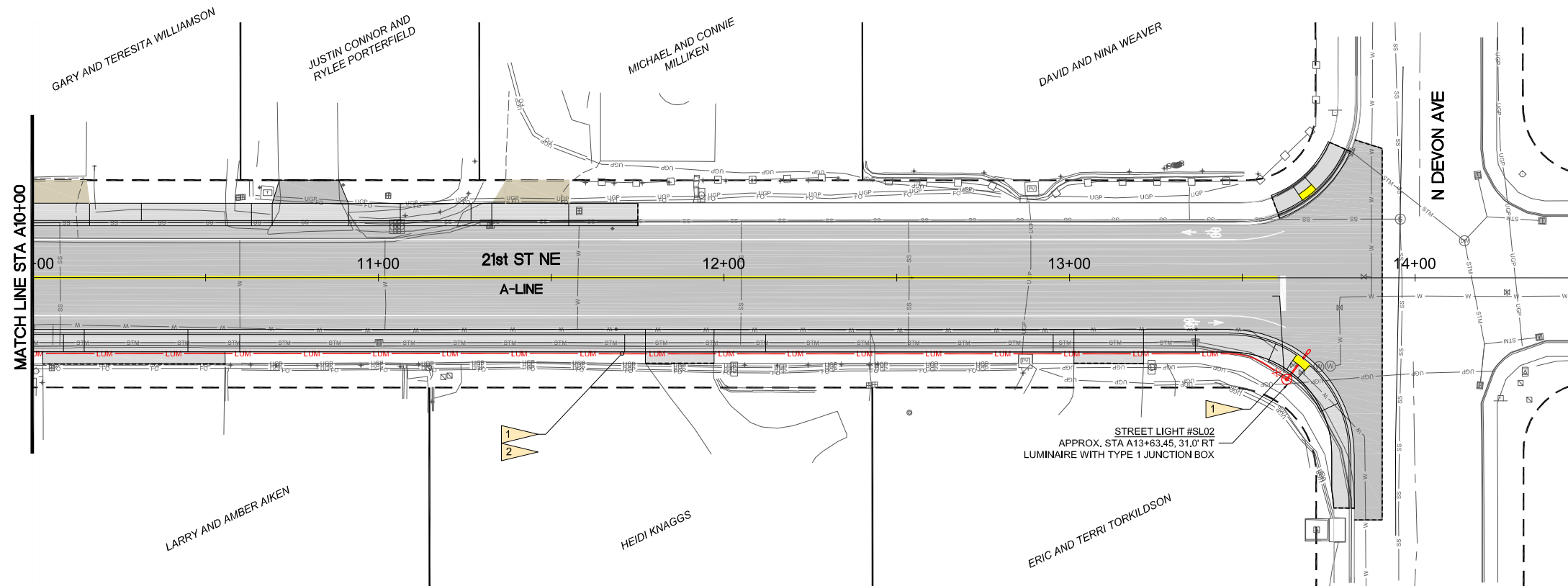
**21st St NE -
 N Baker Ave to N Devon Ave**



**ILLUMINATION PLAN
 (BOP) STA A0+00 TO A10+00**

DRAWING NAME: 1011_ILLUM
 PROJECT NO. CRP 1011
C10
 Sheet 10 of XX





ILLUMINATION NOTES

1. THE ITEM *ILLUMINATION SYSTEM COMPLETE* SHALL INCLUDE FURNISHING, INSTALLING AND FIELD TESTING ALL MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE IN PLACE, FULLY FUNCTIONAL ILLUMINATION SYSTEM INCLUDING, BUT NOT LIMITED TO, FOUNDATIONS, LUMINAIRE POLES, LUMINAIRES, CONDUIT, LAMPS, WIRING, COMPLETE CIRCUITS, TRANSFORMER, SERVICE CABINET, CIRCUIT BREAKER, PHOTOCELLS, PERMITS, AND DCPUD SERVICE REQUESTS.
2. POWER SHALL COME FROM AN EXISTING DCPUD TRANSFORMER. PERMIT FEES AND COORDINATION ARE TO BE COMPLETED AND PAID FOR BY THE CONTRACTOR.
3. ALL LUMINAIRES SHALL HAVE CONTINUOUS NIGHT-TIME OPERATION WITH PHOTOCELL OPERATION FOR SUNSET TURN-ON AND SUNRISE TURN-OFF.
4. LUMINAIRES, JUNCTION BOXES, AND RACEWAY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY SITE CONDITIONS AND DESIGN INFORMATION.
5. LUMINAIRE POLES SHALL HAVE GROUNDING LUG.
6. LUMINAIRE HOUSING AND DOOR SHALL BE CONSTRUCTED OF HEAVY DUTY, DIE-CAST ALUMINUM.
7. THE LUMINAIRE HOUSING DOOR SHALL HAVE TOOL-LESS ENTRY.
8. THE LUMINAIRE SHALL HAVE 3G VIBRATION RATING.
9. LED MODULES SHALL BE IP66 RATED.
10. ALL PVC CONDUITS SHALL BE SCHEDULE 80.

LUMINAIRE SCHEDULE

Street Light #	Circuit	Pole Type	Pole Height (LF)	Mast Arm Length (LF)	Base Type	Foundation Type	Lamp Type	Fixture Type	Driver Dimming	Optics Distrib'n	House-Side Shielding	Head/Pole Color	Notes
SL01	A	Davit Style	30	8	Fixed	B	LED	Cobra Head	Yes	Type III	Yes	Gray (Std)	Include NEMA Twistlock Photocontrol Receptacle
SL02	A	Davit Style	30	8	Fixed	B	LED	Cobra Head	Yes	Type III	Yes	Gray (Std)	

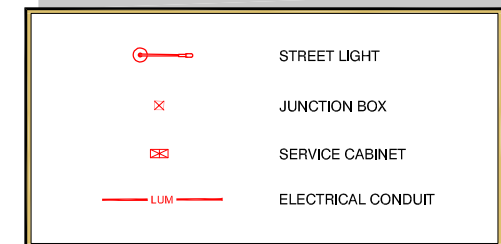
NOTE:

1. POLES SHALL BE STANDARD ALUMINUM FINISH.
2. COBRA-HEAD TYPE FIXTURES SHALL BE 3000K COLOR TEMPERATURE

ILLUMINATION

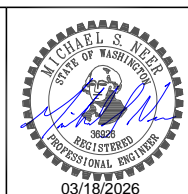
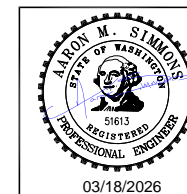
RUN	CONDUIT SIZE	WIRE SIZE	CIRCUIT #	USE
1	2"	(2) 8"	A	LUMINAIRE
2	2"	PULL CORD	-	SPARE

LEGEND



STANDARD PLAN REFERENCES

1. LUMINAIRE POLES SHALL BE PER WSDOT STANDARD PLAN J-28.10.
2. LUMINAIRE BASES SHALL BE PER WSDOT STANDARD PLANS J-28.24.
3. LUMINAIRE FOUNDATIONS SHALL BE PER WSDOT STANDARD PLAN J-28.30.
4. JUNCTION BOXES SHALL BE PER WSDOT STANDARD PLAN J-40.10.
5. ELECTRICAL CONDUIT TRENCHING SHALL BE PER WSDOT STANDARD SPECIFICATIONS SECTION 8-20.3(5)D



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**21st ST NE -
 N Baker Ave to N Devon Ave**

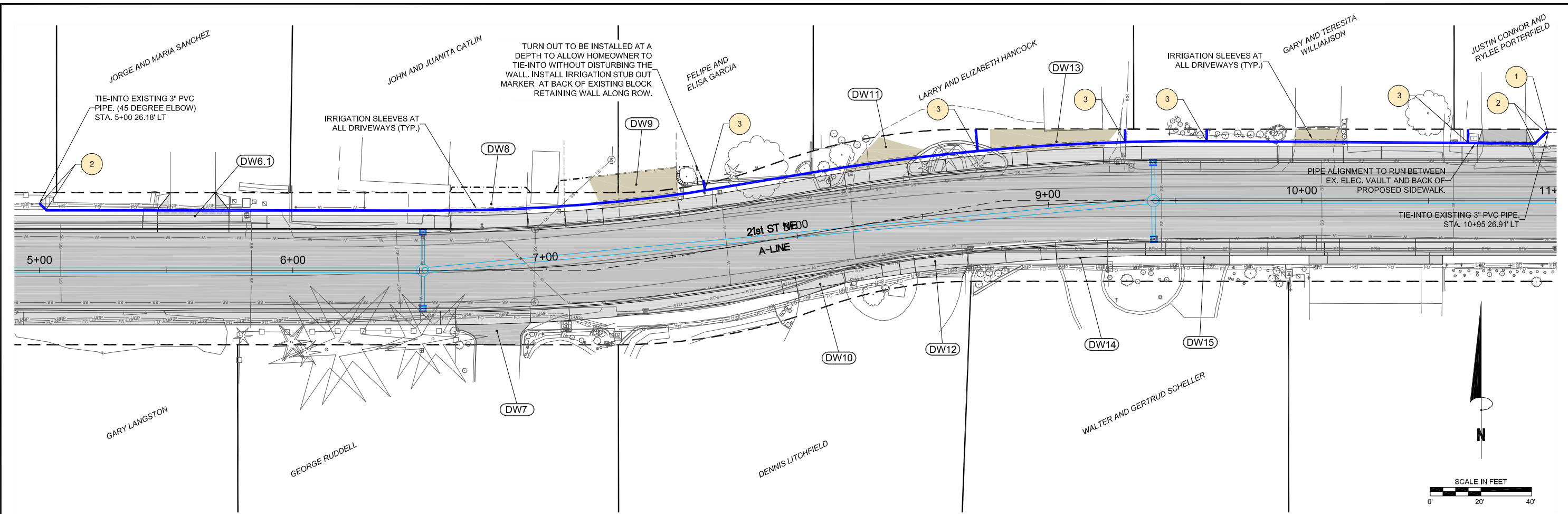


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**ILLUMINATION PLAN
 STA A10+00 TO (EOP) A13+91**

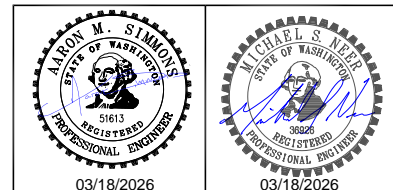
DRAWING NAME:
 1011_ILLUM
 PROJECT NO.
 CRP 1011

C11



LEGEND	
	3" SCH. 40 PVC PIPE
	6" C900 PVC PIPE (IRR. SLEEVE AT DRIVEWAYS)
	3" SCH. 40 COMPRESSION COUPLER
	3" SCH. 40 PVC 45 DEGREE ELBOW
	3" SCH. 40 PVC 3" x 3" x 1-1/4" TEE TO 1-1/4" PVC PVC PIPE (TURNOUT)

- | IRRIGATION NOTES | |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | THE ITEM #28 IRRIGATION SYSTEM SHALL INCLUDE FURNISHING, INSTALLING ALL MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE IN PLACE. |
| 2. | ALL IRRIGATION PIPE SHALL BE BURIED 24" BEHIND THE PROPOSED BACK OF SIDEWALK AT A DEPTH OF 24" (MIN.) TO 30" (MAX.). |
| 3. | AFTER INSTALLATION OF 3" IRRIGATION PIPE INTO PIPE SLEEVE, FILL EACH END WITH EXPANDING FOAM TO KEEP MATERIAL OUT. |
| 4. | CONTRACTOR TO INSTALL 1-1/4" PVC TURNOUT PIPE AND CAP END AT EXISTING ROW, OR UNLESS OTHERWISE NOTED. |
| 5. | CONTRACTOR SHALL USE 1-1/4" SCH. 40 PVC PIPE AS A VERTICAL STUB OUT MARKER TO LOCATE END OF TURNOUT PIPE AT ROW. STUB OUT PIPE TO EXTRUDE 6" ABOVE FINISH GRADE AND BE CAPPED. |
| 6. | ALL GLUES AND FITTINGS SHALL CONFORM TO INDUSTRY STANDARDS. |
| 7. | USE NATIVE MATERIAL FOR PIPE ZONE BEDDING. REMOVE ANY LARGE ROCKS PRIOR TO BACKFILL AND COMPACTION. |
| 8. | THE IRRIGATION SHALL BE DISCONNECTED FOR A DURATION OF ONLY ONE WORK WEEK. |



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**21st ST NE -
 N Baker Ave to N Devon Ave**

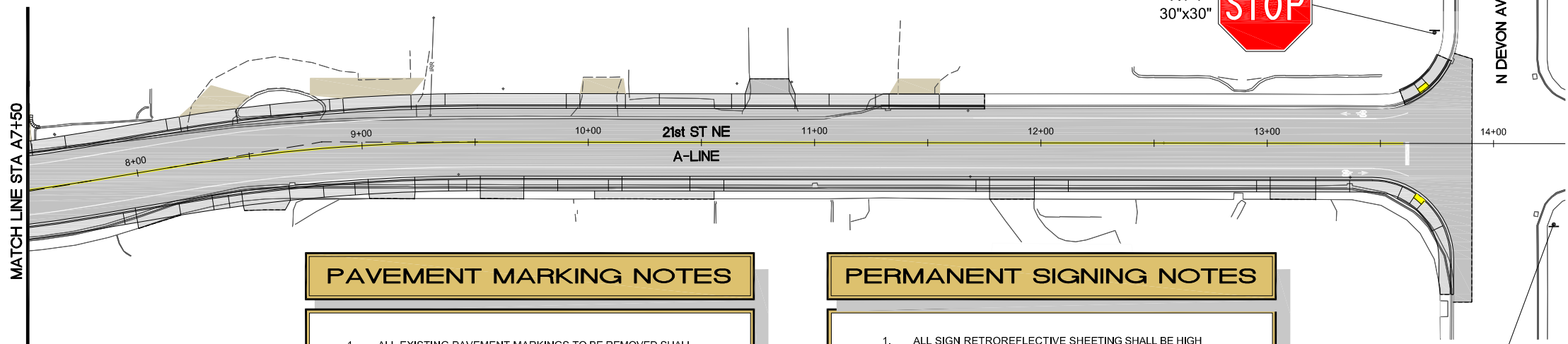
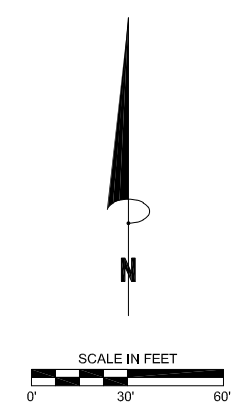
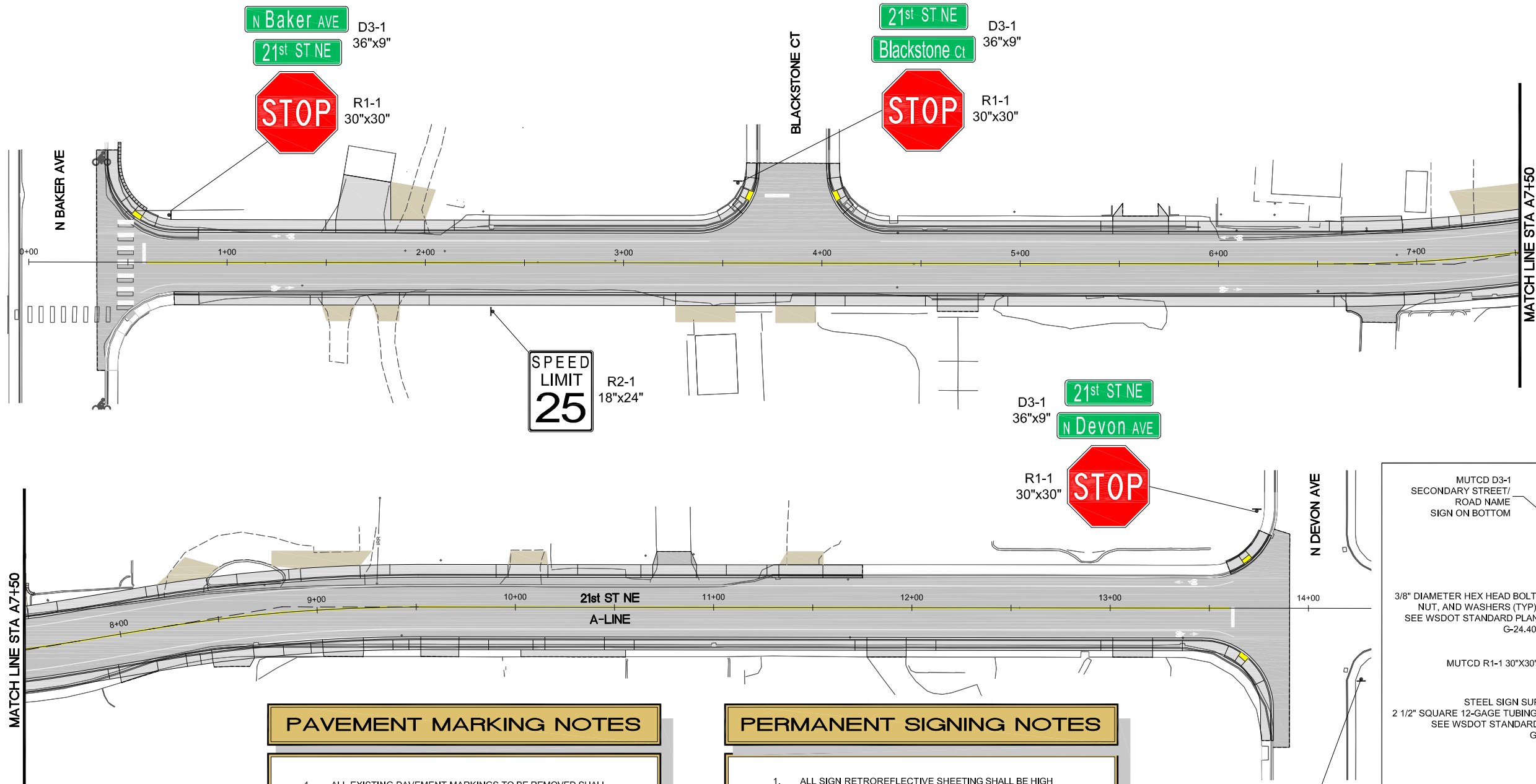


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**NE 21st ST WATER ASSOCIATION
 (NSWA) PRIVATE IRRIGATION
 STA A5+00 TO 10+95**

DRAWING NAME:
 1011_IRR_PLAN
 PROJECT NO.
 CRP 1011

C12
 Sheet 12 of 22



PAVEMENT MARKING NOTES

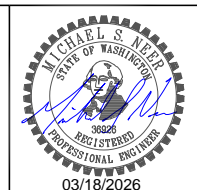
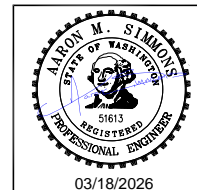
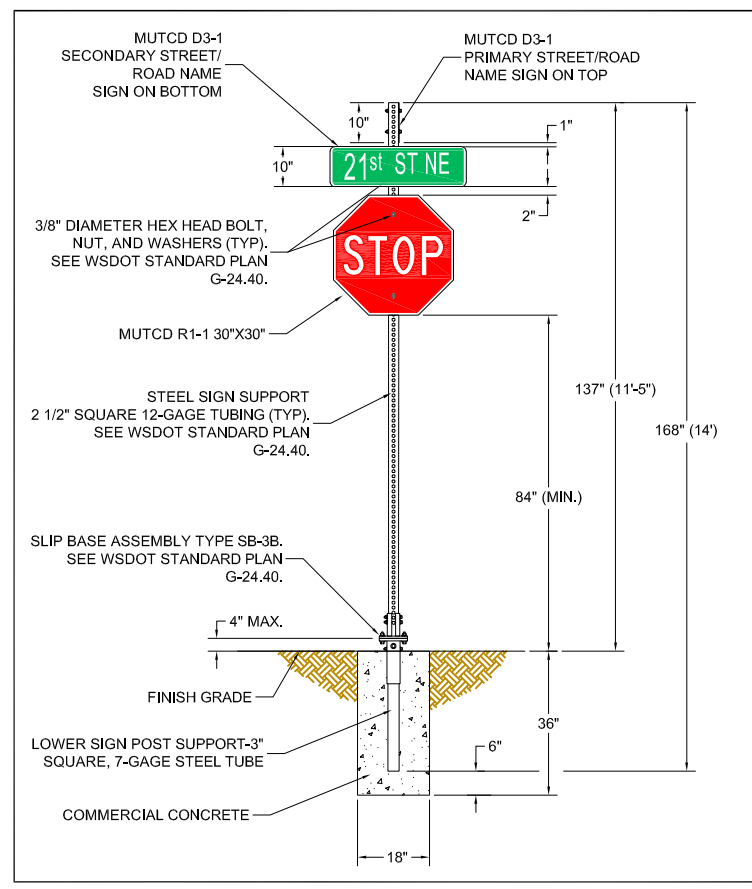
1. ALL EXISTING PAVEMENT MARKINGS TO BE REMOVED SHALL BE COORDINATED WITH PROJECT MANAGER OR ON-SITE INSPECTOR PRIOR TO REMOVAL. NO GRINDING PERMITTED.
2. ALL CROSSWALK LINES, STOP LINES, AND BICYCLE LANE SYMBOLS SHALL BE TYPE-B PRE-FORMED FUSED THERMOPLASTIC.
3. ALL LONGITUDINAL PAVEMENT MARKING LINES SHALL HAVE GLASS BEAD PER THE 2025 WSDOT STANDARD SPECIFICATIONS MANUAL.

PERMANENT SIGNING NOTES

1. ALL SIGN RETROREFLECTIVE SHEETING SHALL BE HIGH INTENSITY PRISMATIC (HIP).
2. ALL SIGN POSTS SHALL BE 2-1/2" SQUARE 12-GUAGE STEEL TUBE AS PER WSDOT STANDARD PLAN G-24.40. SEE STANDARD PLANS FOR HEIGHT REQUIREMENTS.
3. ALL SIGNS SHALL BE DIRECTLY SECURED TO POSTS WITH BOLTS. NO RIVETING OR BRACKETS PERMITTED.
4. ALL SIGNS SHALL HAVE A SLIP BASE ASSEMBLY TYPE SB-3B AS PER WSDOT STANDARD PLAN G-24.40.
5. ALL STEEL SIGN SUPPORT FOUNDATIONS SHALL BE INSTALLED PER WSDOT STANDARD PLAN G-24.40.
6. SEE DETAIL "STREET/ROAD NAME SIGN MOUNTED ABOVE STOP SIGN DETAIL" FOR STOP SIGN AND STREET SIGN MOUNTING INSTRUCTIONS.
7. ALL EXISTING SIGNS AND SIGN POSTS SHALL BE REMOVED AND STOCKPILED IN THE CONSTRUCTION STAGING AREA. THE CONTRACTOR SHALL NOT DAMAGE THE SIGNS AND SIGN POSTS. COORDINATE WITH DOUGLAS COUNTY SIGN SHOP CREW FOR THEIR PICK UP AND REMOVAL OFF-SITE.
8. ALL SIGN LOCATIONS SHALL BE VERIFIED BY THE COUNTY ENGINEER PRIOR TO FINAL INSTALLATION.

PAVEMENT MARKING LEGEND

	DOUBLE YELLOW CENTERLINE		CROSSWALK LINES
	EDGE AND LANE LINE		PERMANENT SIGN
	STOP LINE		
	BICYCLE LANE SYMBOL		



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**21st ST NE -
N Baker Ave to N Devon Ave**

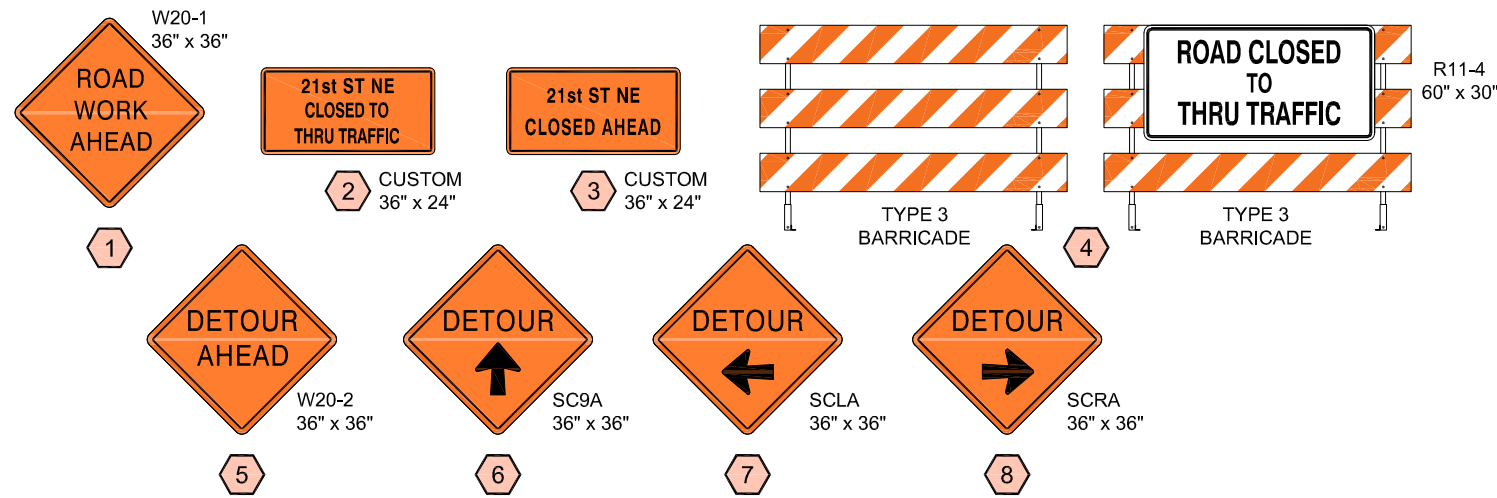
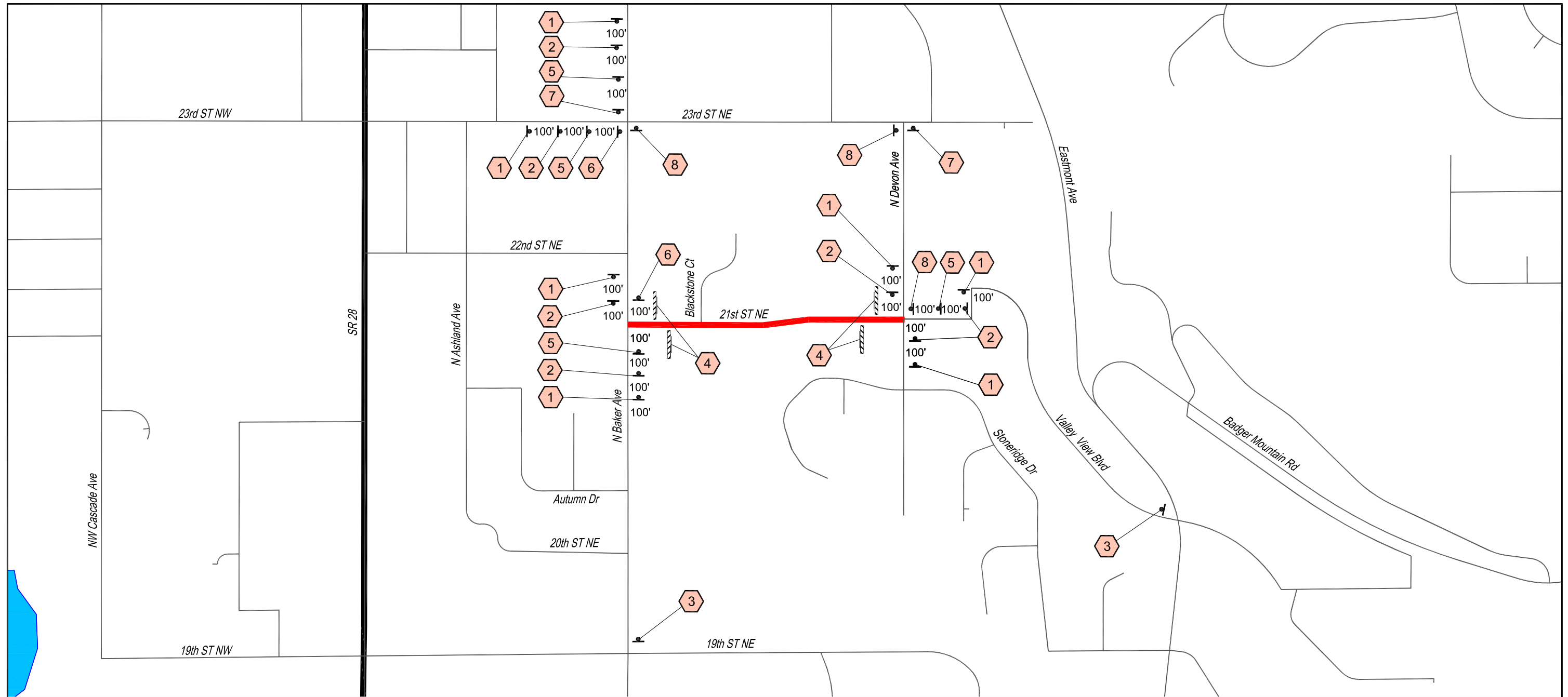


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**PAVEMENT MARKING AND
PERMANENT SIGNING PLAN**

DRAWING NAME:
1011_PAVE_PERM
PROJECT NO.
CRP 1011

C13
Sheet 13 of 22



NOTES:

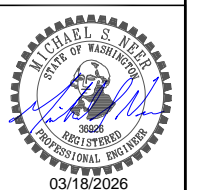
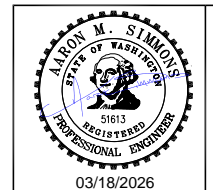
1. Construction signs shown are Class A unless otherwise specified.
2. Each R11-4 sign shall be placed on its own Type 3 Barricade.
3. The Contractor shall maintain signs during the duration of the project.
4. All spacing may be adjusted to accommodate intersections and driveways. Coordinate with the Engineer.

LEGEND:

Project Corridor

Type 3 Barricade

Class A Sign



NO.	REVISION	BY	DATE

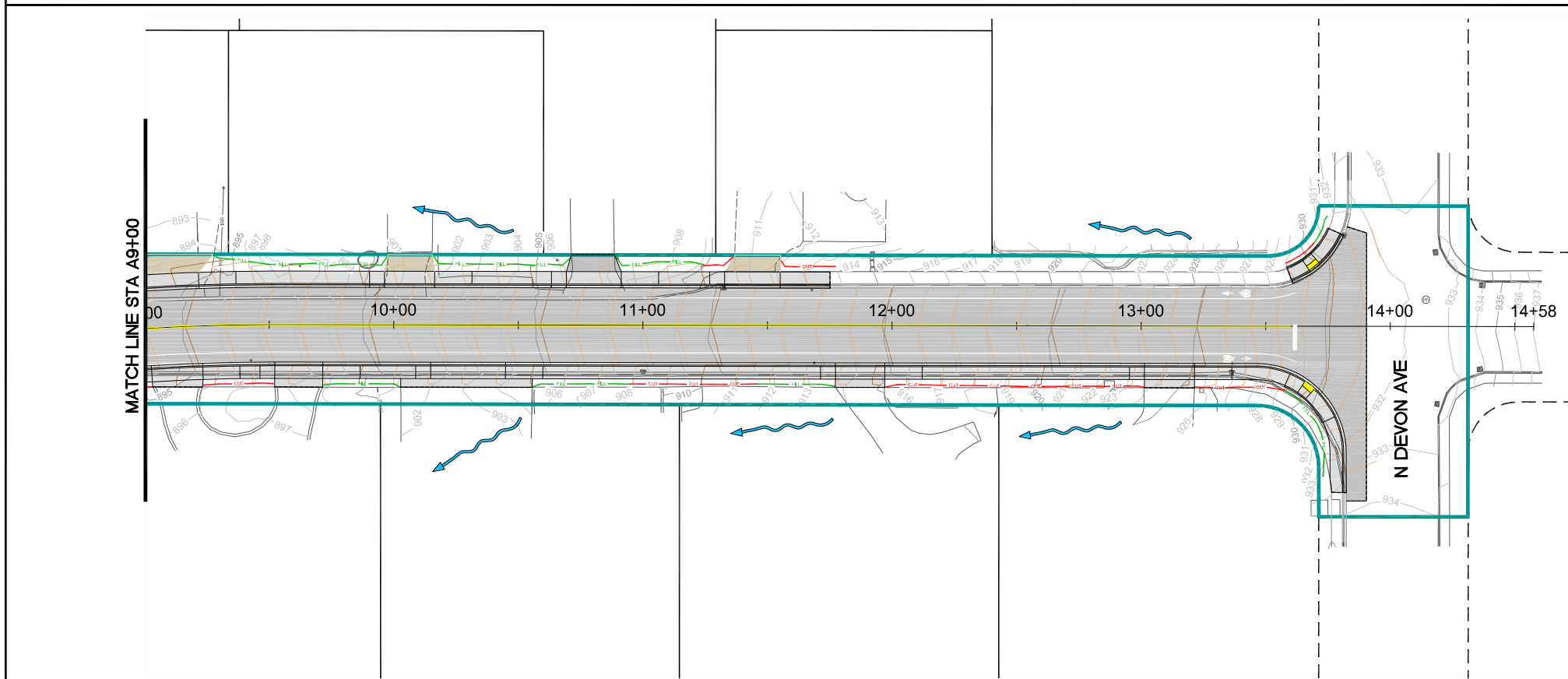
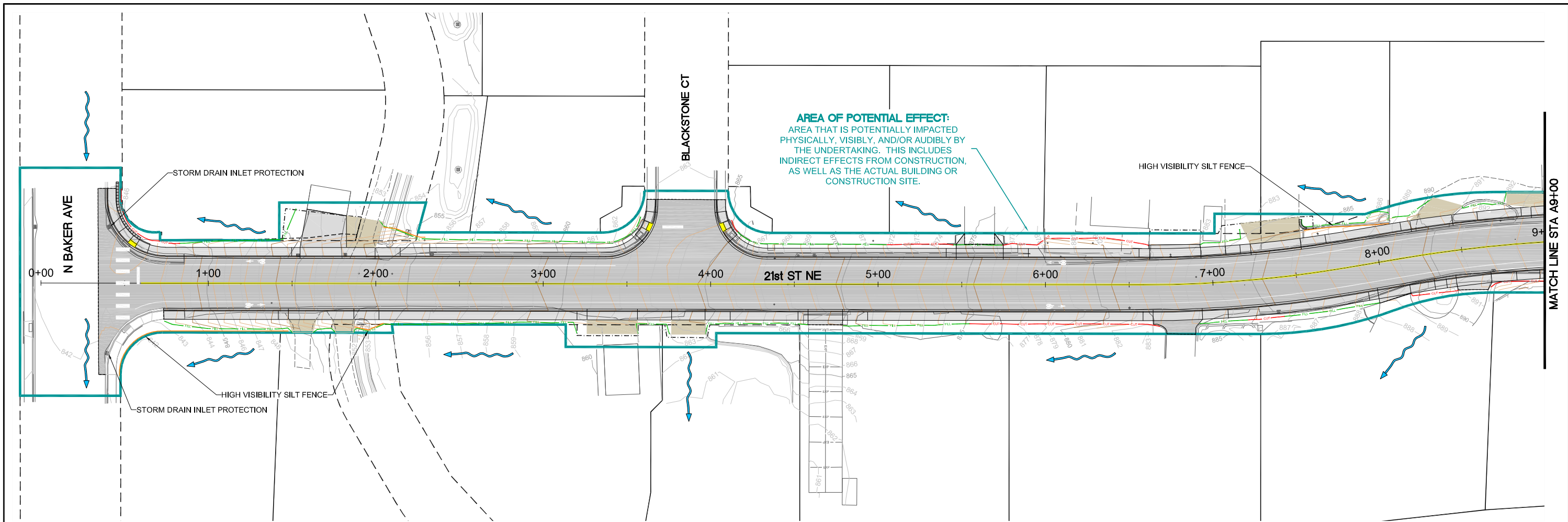
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**21st ST NE -
N Baker Ave to N Devon Ave**



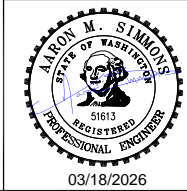
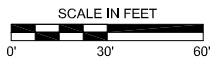
**TEMPORARY TRAFFIC
CONTROL
PLAN**

DRAWING NAME:
1011_TCP
PROJECT NO.
CRP 1011
C14
Sheet 14 of 22



BMP NOTES

1. PROVIDE STORM DRAIN INLET PROTECTION AT TWO EXISTING CATCH BASINS AT THE INTERSECTION OF BAKER AVE / 21ST STREET AND ALL NEW CATCH BASINS INSTALLED WITH THE PROJECT.
2. ALL CONSTRUCTION ENTRANCES SHALL BE SWEEP/WASHED AND KEPT CLEAR DURING ALL CONSTRUCTION HOURS.



NO.	REVISION	BY	DATE

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**21st St NE -
N Baker Ave to N Devon Ave**



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**TEMPORARY EROSION AND
SEDIMENTATION CONTROL PLAN
(BOP) STA A0+00 TO (EOP) A13+91**

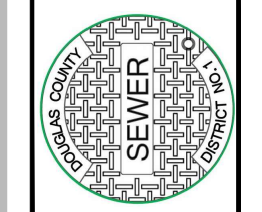
DRAWING NAME:
1011_SWPPP
PROJECT NO.
CRP 1011

C15
Sheet 15 of 22

SEWER NOTES

- CONTRACTOR SHALL PERFORM EXCAVATION FOR SPECIAL MANHOLE ADJUSTMENTS PRIOR TO PAVING. ADJUSTMENT TO FINISHED GRADE SHALL OCCUR AFTER FINAL PAVING.
- DOUGLAS COUNTY SEWER DISTRICT SHALL SUPPLY CONTRACTOR WITH NEW MANHOLE FRAME AND COVERS FOR INSTALLATION DURING SEWER MANHOLE ADJUSTMENTS. CONTRACTOR TO DISPOSE OF OLD FRAME AND COVERS. NEW MANHOLE FRAMES ARE 4' TALL; OLD MANHOLE FRAMES ARE ASSUMED TO BE 6' TALL.
- CONTRACTOR SHALL ADEQUATELY EXCAVATE AROUND MANHOLE PRIOR TO REMOVAL OF SECTIONS. USE PLYWOOD TO COVER CHANNEL DURING REMOVAL OF MANHOLE SECTIONS TO PREVENT DEBRIS FROM ENTERING FLOW STREAM. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COSTS TO FLUSH AND CLEAN DOWNSTREAM PIPING IF CONSTRUCTION DEBRIS ENTERS SYSTEM.
- ALL EXISTING SEWER MANHOLES ARE 48" DIAMETER PRECAST STRUCTURES.
- PVC SEWER PIPE SHALL BE ASTM D3034 SDR-26 INTEGRAL BELL AND SPIGOT GASKETED PIPE, GREEN IN COLOR.
- THE INVERTS OF THE NEW PIPE AT THE MANHOLE CONNECTIONS SHALL MATCH THE INVERTS OF THE EXISTING 8" PIPES, RESULTING A SLOPE OF NO LESS THAN 0.4% SLOPE. CONNECTIONS TO MANHOLE SHALL BE MADE BY EITHER CORE-DRILLING A NEW HOLE AND INSTALLING A KOR-N-SEAL BOOT OR BY BREAKING OUT THE EXISTING HOLE IN THE STRUCTURE TO ACCOMMODATE A SANDED MANHOLE ADAPTER. SOME OF THE EXISTING MANHOLE CHANNEL WILL REQUIRE REMOVAL TO ENSURE NEW INVERTS MATCH OLD INVERTS. REPAIR AND GROUT CHANNELS SMOOTH.
- BYPASS PUMPING IS REQUIRED FOR REPLACING EXISTING SEWER PIPE. FLOWS AT UPSTREAM MANHOLES ARE SHOWN ON THE PLANS. ADDITIONAL BYPASS PUMPING REQUIREMENTS:
 - PRIMARY PUMP(S) SHALL BE SIZED TO HANDLE PEAK FLOW AT EACH BYPASS PUMPING LOCATION.
 - SECONDARY BYPASS PUMP OR PUMPS SHALL BE ON SITE AS A STANDBY WHEN PRIMARY PUMPS ARE IN OPERATION. BACKUP PUMP(S) SHALL BE CAPABLE OF THE SAME PUMPING RATE AS THE PRIMARY PUMP(S).
 - NO MORE THAN 3' OF SEWAGE BACKUP HEIGHT SHALL BE ALLOWED IN ANY MANHOLE TO FACILITATE BYPASS PUMPING.
 - A BYPASS PUMPING PLAN IS REQUIRED TO BE SUBMITTED AND APPROVED BY THE ENGINEER PRIOR TO BEGINNING SEWER PIPE REPLACEMENT.
 - IF BYPASS PUMPING WILL BE PERFORMED OVERNIGHT, CONTRACTOR SHALL PROVIDE CONTROLS, ALARMS, ON-CALL PERSONNEL, LEVEL FLOATS, AND ESTABLISH A PUMP CONFIGURATION SUITABLE TO THE ENGINEER.

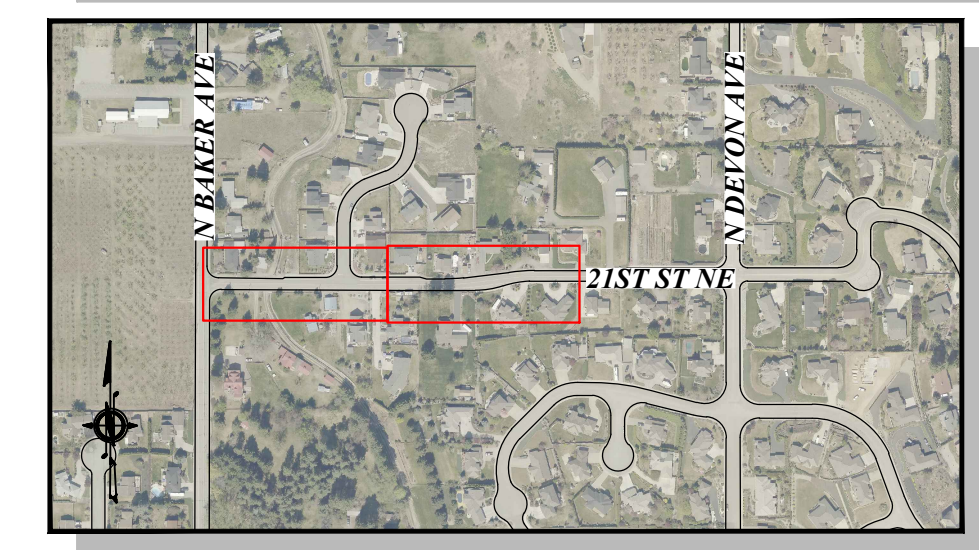
DOUGLAS COUNTY SEWER DISTRICT NO. 1
 21ST STREET NE - N BAKER AVE TO N DEVON AVE
SANITARY SEWER SYSTEM PLAN



NO.	DATE	DESCRIPTION	BY	REVIEW
1	2/6/2026	REVISED TO INCLUDE SEWER PIPE REPLACEMENT	JJK	JRS

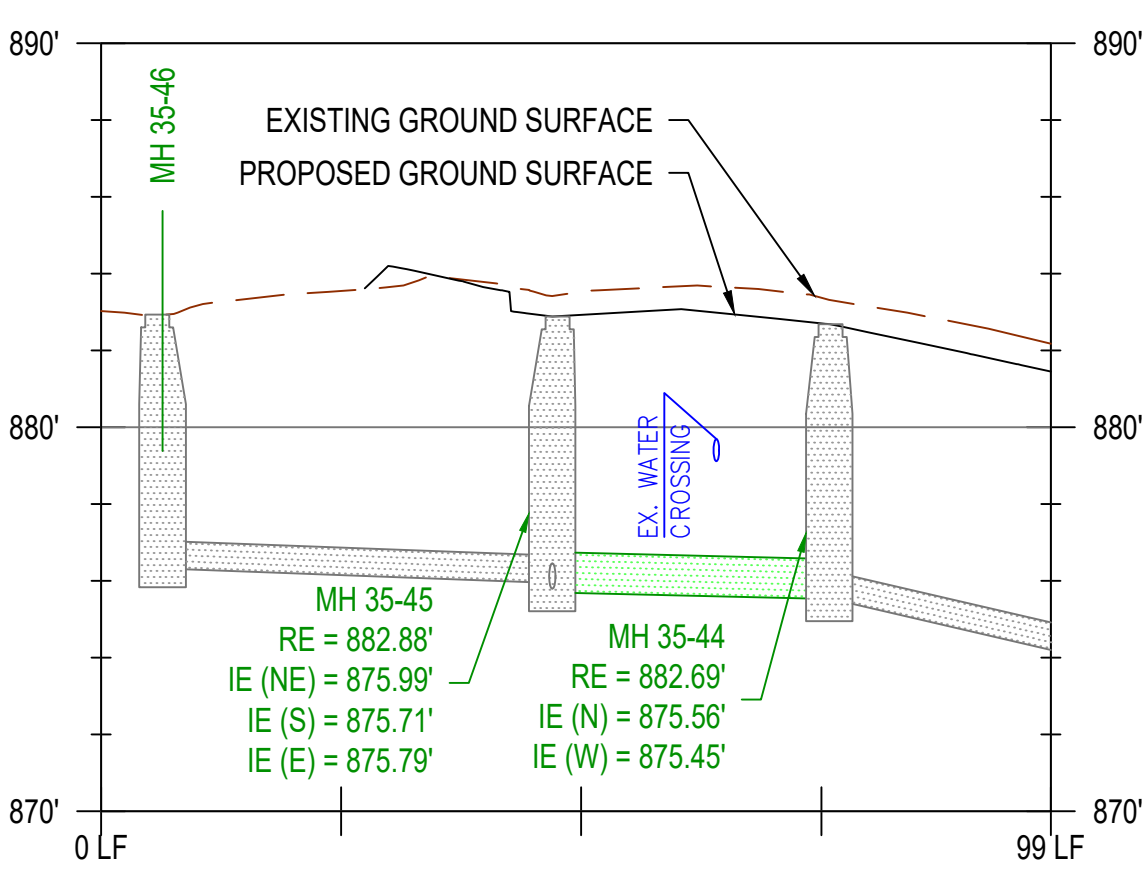
ENGINEER: JJK	DATE: Feb 6, 2026	CLIENT: DCS	JOB NO.: 25-0020
REVIEWER: JRS	DATE: Feb 6, 2026	FILENAME: 21ST-PSEWERP.DWG	
REVISIONS			

VICINITY MAP



PLAN VIEW
1" = 20'

PLAN VIEW
1" = 20'

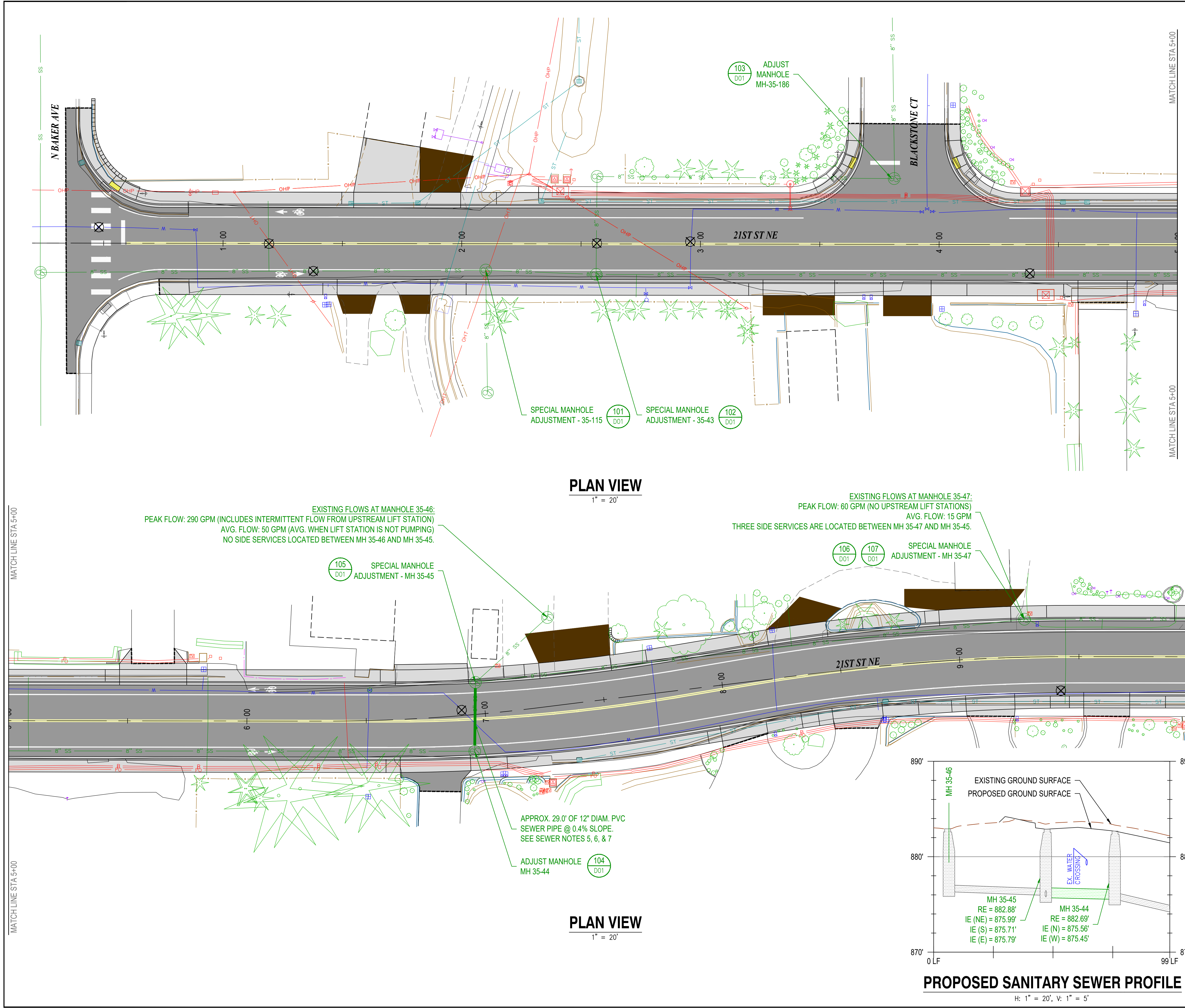


PROPOSED SANITARY SEWER PROFILE
H: 1" = 20', V: 1" = 5'

EXISTING FLOWS AT MANHOLE 35-46:
 PEAK FLOW: 290 GPM (INCLUDES INTERMITTENT FLOW FROM UPSTREAM LIFT STATION)
 AVG. FLOW: 50 GPM (AVG. WHEN LIFT STATION IS NOT PUMPING)
 NO SIDE SERVICES LOCATED BETWEEN MH 35-46 AND MH 35-45.

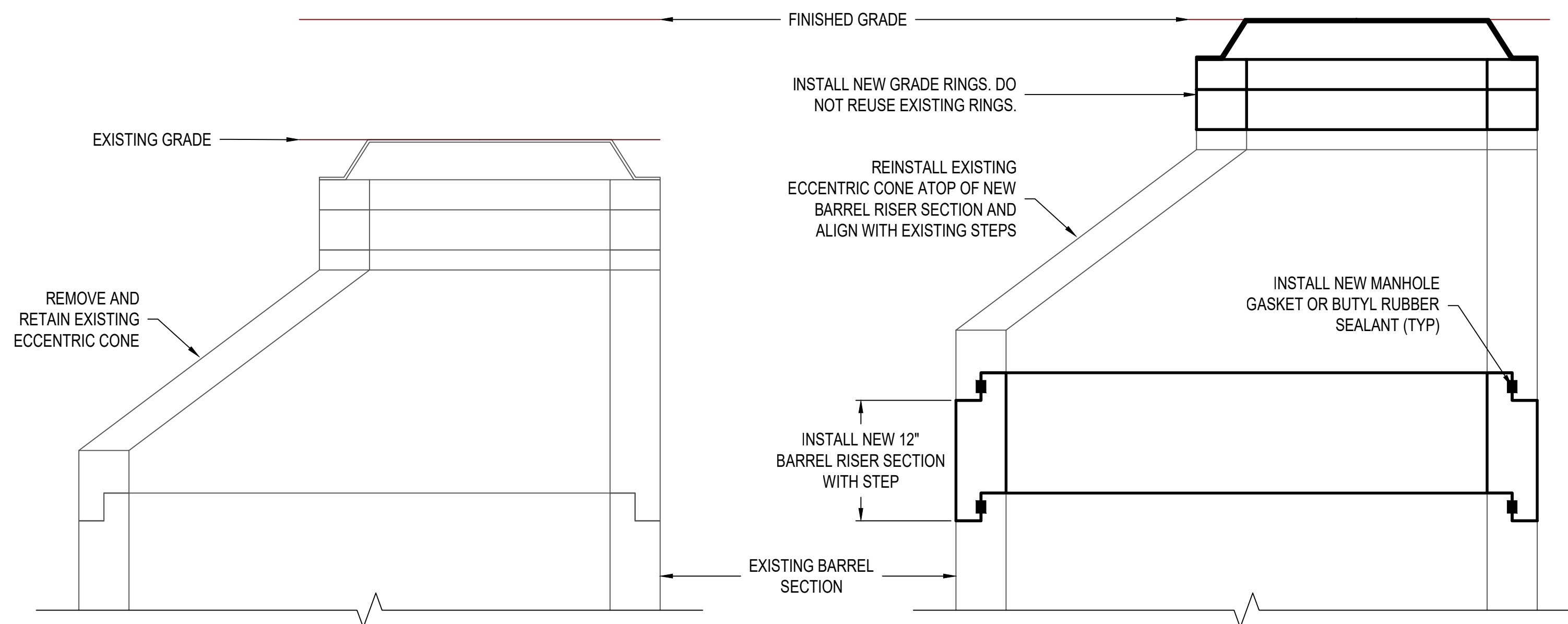
EXISTING FLOWS AT MANHOLE 35-47:
 PEAK FLOW: 60 GPM (NO UPSTREAM LIFT STATIONS)
 AVG. FLOW: 15 GPM
 THREE SIDE SERVICES ARE LOCATED BETWEEN MH 35-47 AND MH 35-45.

APPROX. 29.0' OF 12" DIAM. PVC SEWER PIPE @ 0.4% SLOPE. SEE SEWER NOTES 5, 6, & 7



MATCH LINE STA 5+00

MATCH LINE STA 5+00



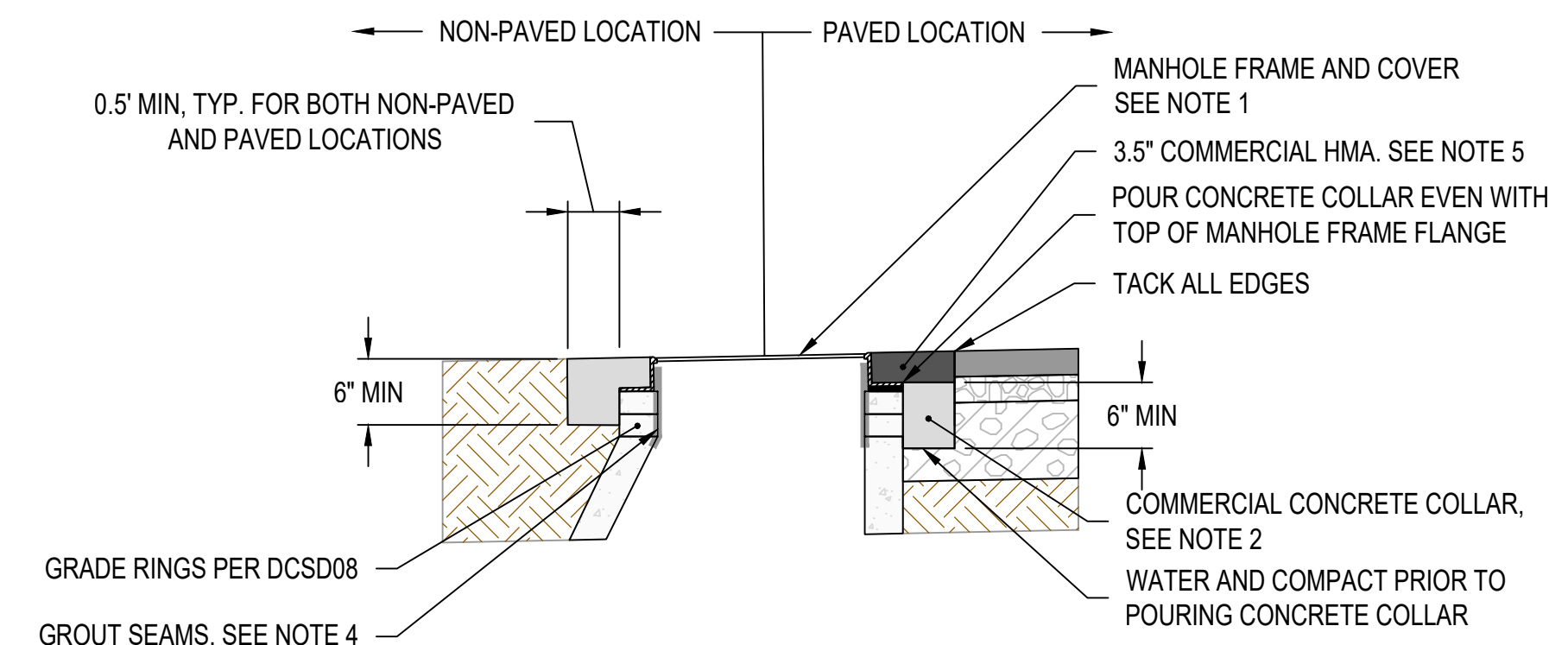
EXISTING MANHOLE

PROPOSED MANHOLE

SPECIAL MANHOLE ADJUSTMENT - MH 35-115 & MH 35-43

1" = 10'

101 SS01 102 SS01

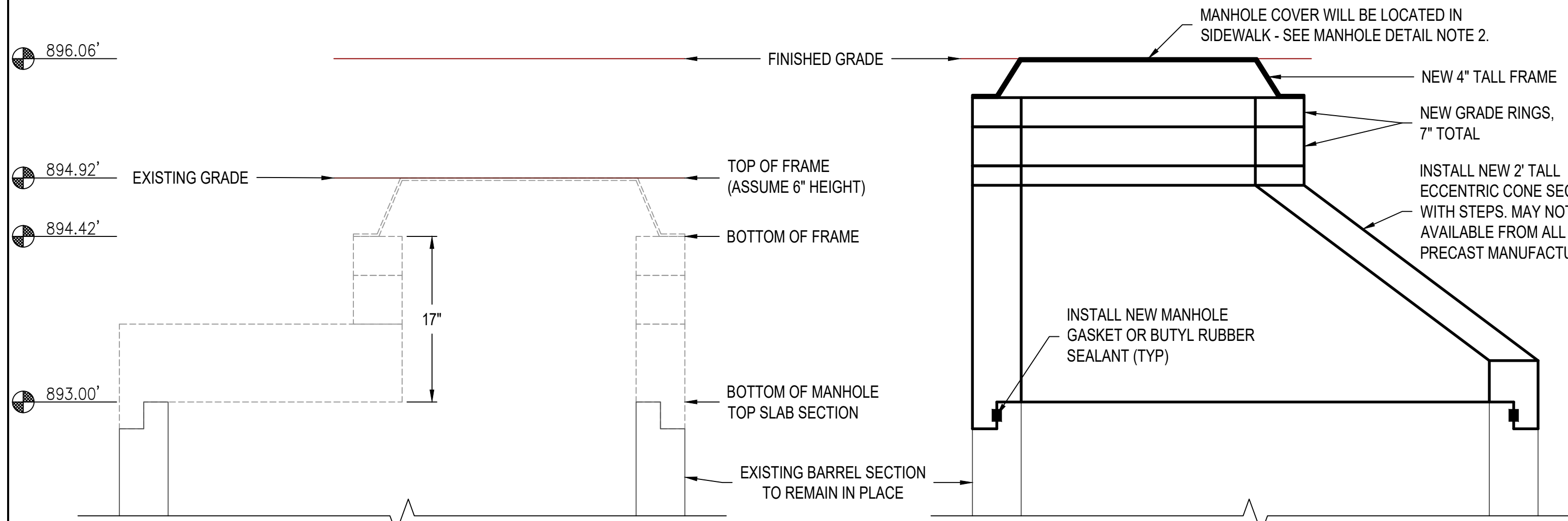


- NOTES:**
1. THE HIGHEST POINT ON THE CASING, RING, OR COVER SHALL BE NO HIGHER THAN FLUSH AND NO LESS THAN 1/8" BELOW ASPHALT SURFACE.
 2. COMMERCIAL CONCRETE COLLAR MUST BE GIVEN 3 DAYS CURE TIME PRIOR TO ASPHALT CAP PLACEMENT. WITH ENGINEER APPROVAL, TIME MAY BE REDUCED TO 24 HOURS IF "HIGH EARLY" CONCRETE IS USED.
 3. REMOVE ASPHALT AS NECESSARY IN CIRCULAR PATTERN WITH A MINIMUM OF 8 EDGES.
 4. SEAMS BETWEEN GRADE RINGS AND THE SEAM BETWEEN THE MANHOLE FRAME AND UPPER GRADE RING SHALL BE GROUTED WITH NON-SHRINK GROUT, MIN. 3000 PSI COMPRESSION STRENGTH IN 24 HOURS AND 6000 PSI IN 28 DAYS. COAT THE INTERIOR SURFACE OF MANHOLE FRAME WITH GROUT, BUT DO NOT INHIBIT ABILITY TO OPEN OR SEAL THE MANHOLE LID.
 5. COMMERCIAL HMA RING SHALL BE COMPACTED WITH A PLATE WHACKER. AFTER COMPACTION, NO PART OF THE ASPHALT RING SHALL BE HIGHER THAN 1/4" ABOVE AND NO LOWER THAN FLUSH WITH THE EXISTING ASPHALT SURFACE.

SEWER MANHOLE ADJUSTMENT DETAIL

NOT TO SCALE

103 SS01 104 SS01



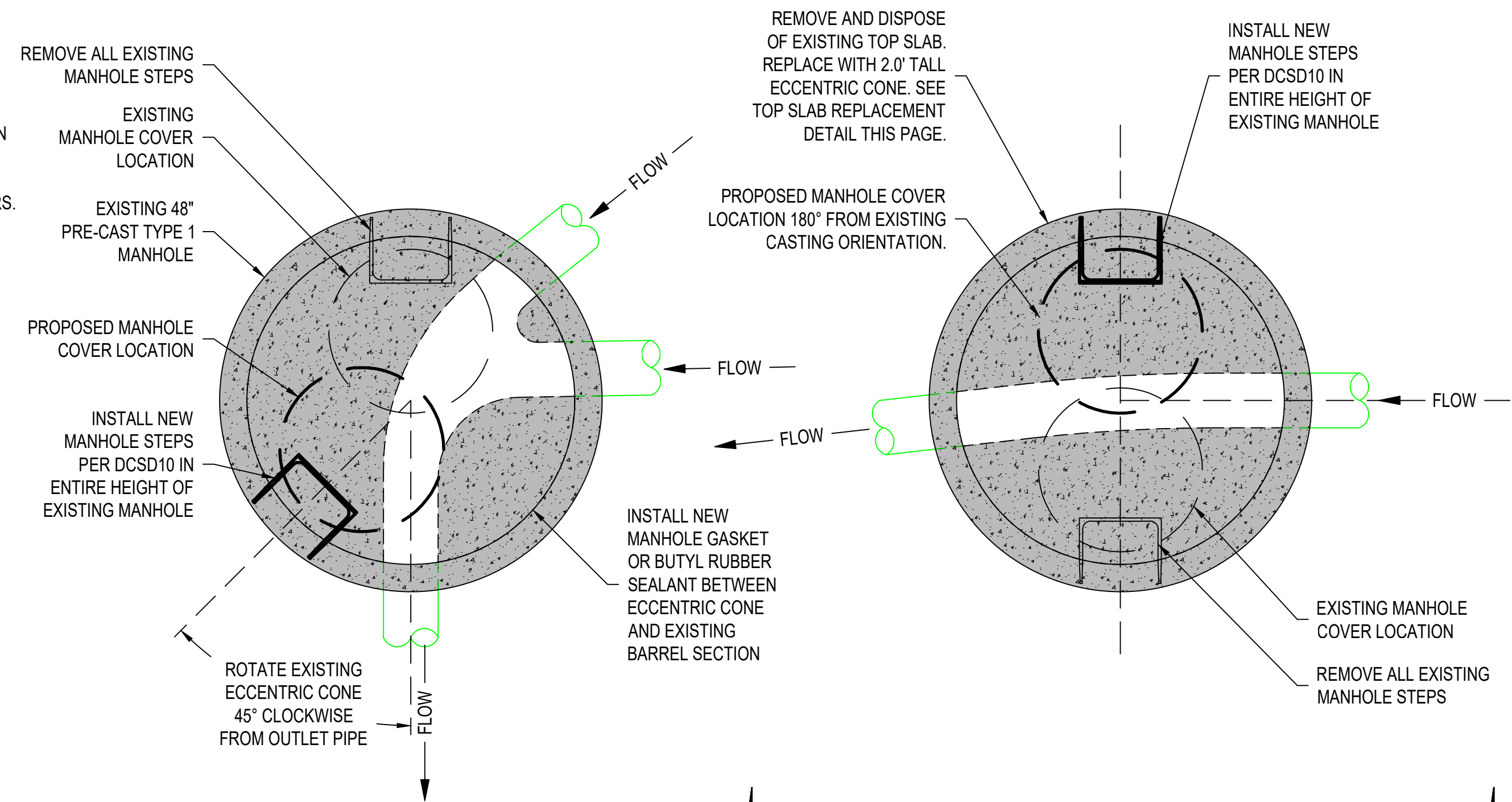
EXISTING MANHOLE 35-47

PROPOSED MANHOLE 35-47

TOP SLAB REPLACEMENT DETAIL

1" = 10'

107 SS01



SPECIAL MANHOLE ADJUSTMENT - MH 35-45

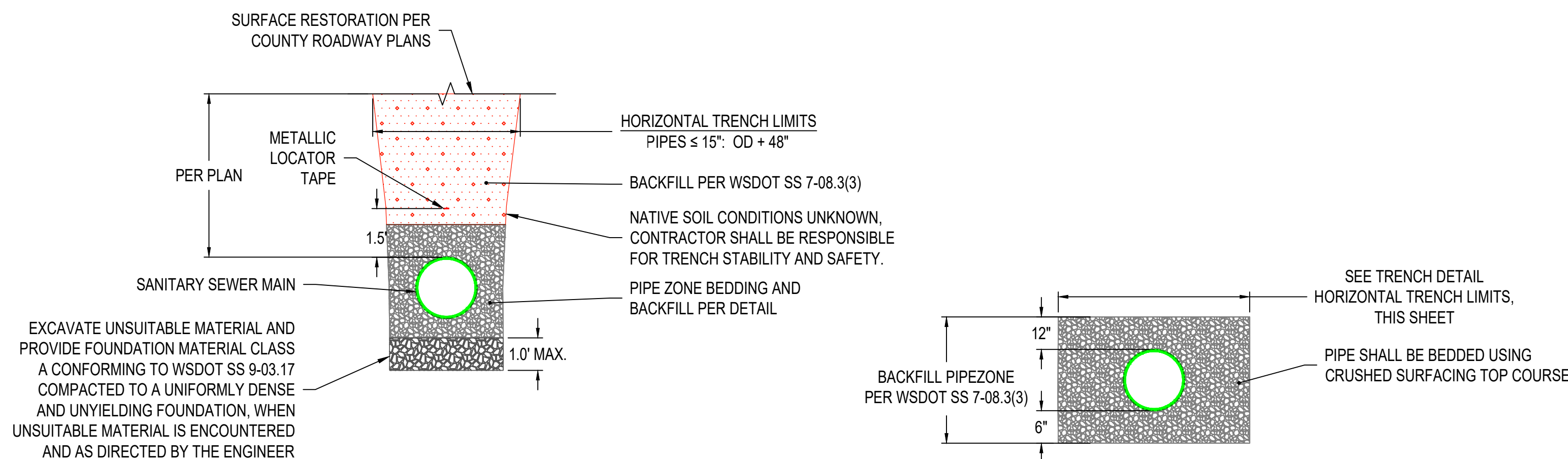
NOT TO SCALE

105 SS01

SPECIAL MANHOLE ADJUSTMENT - MH 35-47

NOT TO SCALE

106 SS01



SEWER TRENCH DETAIL

NOT TO SCALE

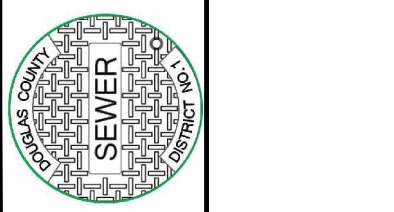
PIPE ZONE BEDDING DETAIL

NOT TO SCALE

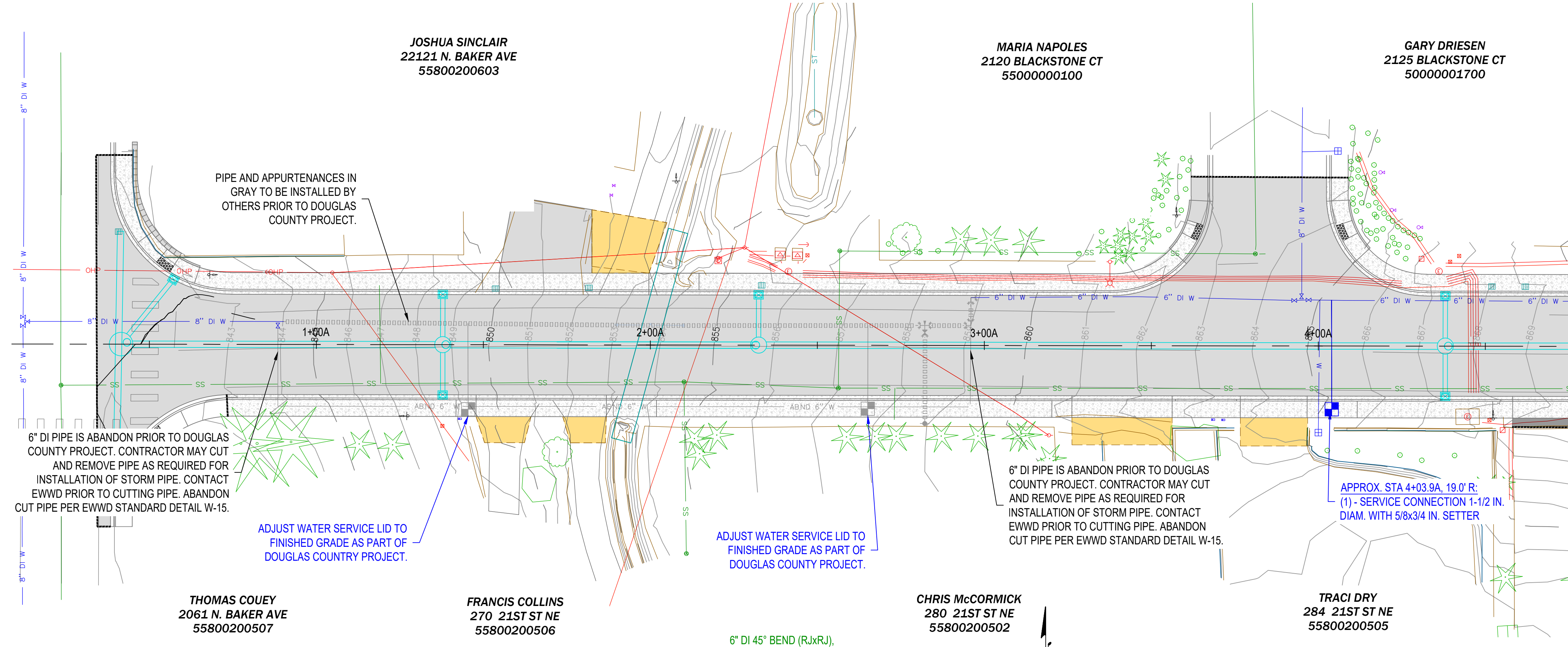
- MANHOLE DETAIL NOTES**
1. DOUGLAS COUNTY SEWER DISTRICT STANDARD DETAILS DCSD08 AND DCSD10 ARE NOT ATTACHED AS PART OF THIS PLAN SET. CONTRACTOR SHALL CONTACT DOUGLAS COUNTY SEWER DISTRICT TO OBTAIN A COPY OF ANY APPLICABLE STANDARD DETAILS AT (509) 884-2484
 2. FOR MANHOLE COVER LOCATED IN SIDEWALK, APPLY EPOXY-BASED NON-SKID, SLIP RESISTANT COATING WITH A MIN. COEFFICIENT OF FRICTION OF 0.6. COATING SHALL BE DESIGNED FOR INDUSTRIAL APPLICATION AND SHALL BE DARK GRAY IN COLOR. APPROVAL OF COATING MATERIAL WILL BE BY THE CONTRACTING AGENCY.

DOUGLAS COUNTY SEWER DISTRICT NO. 1
21ST STREET NE - N BAKER AVE TO N DEVON AVE

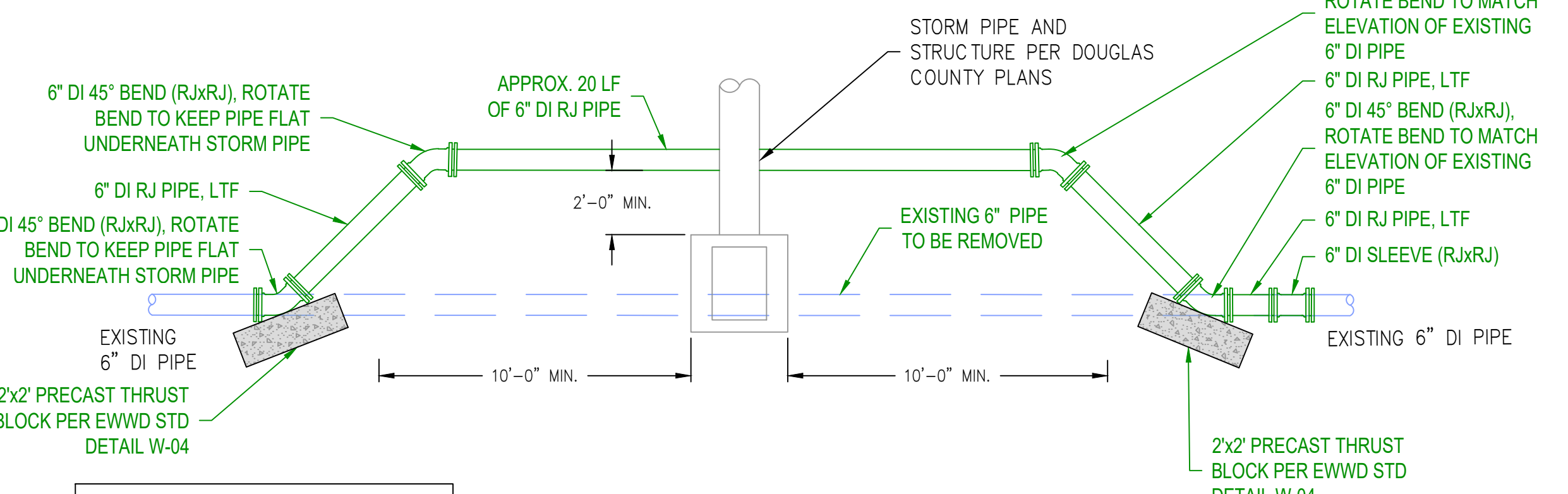
SANITARY SEWER DETAILS



NO.	DATE	DESCRIPTION	BY	REVIEW
1	2/6/2026	REVISED TO INCLUDE SEWER PIPE REPLACEMENT	JRS	JRS

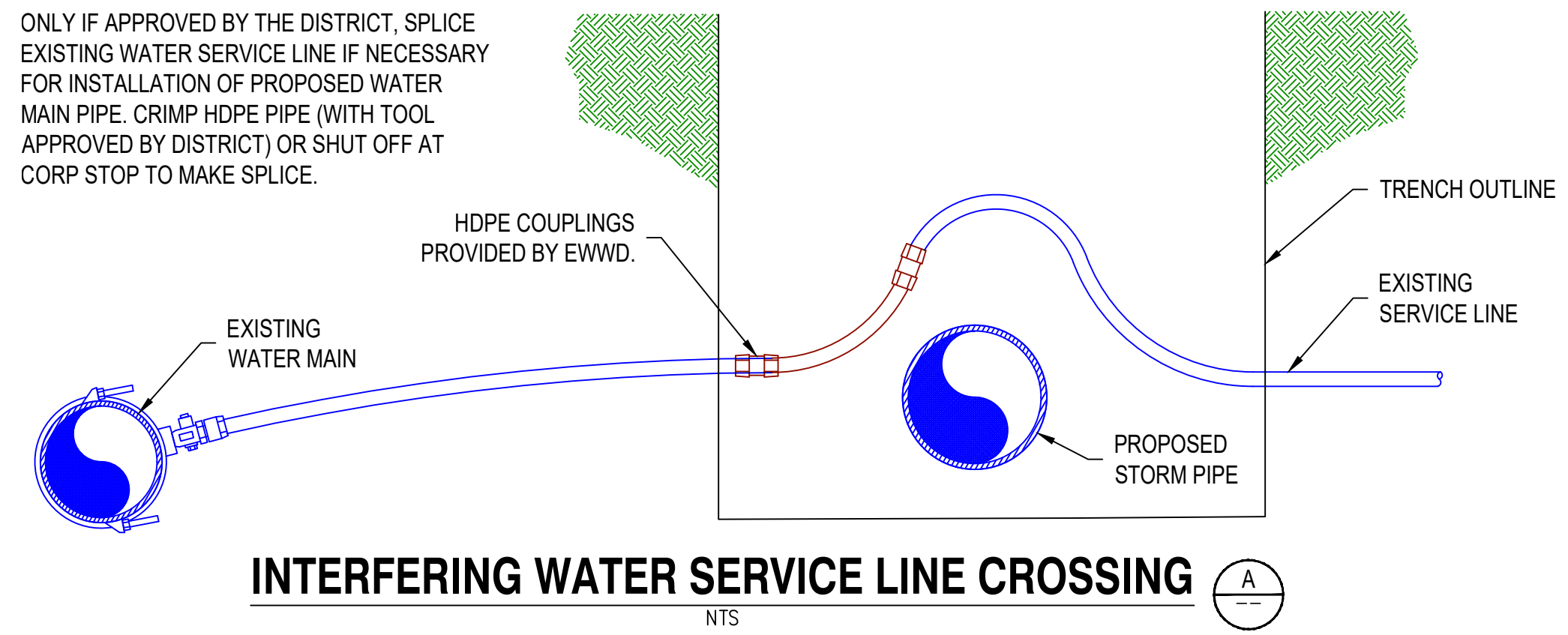
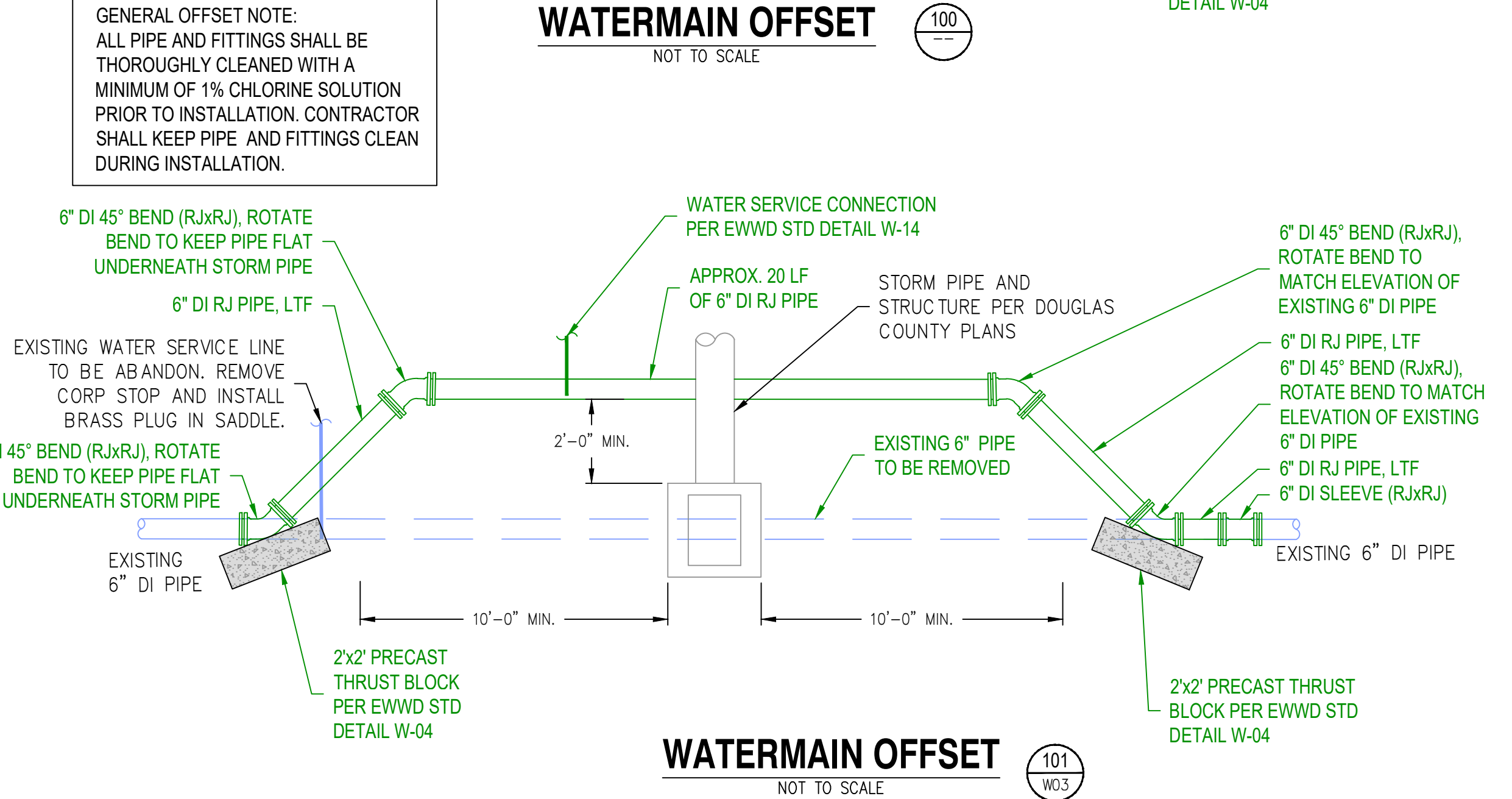


WATERMAIN LEGEND	
	RESTRAINED JOINT PIPE
	FIRE HYDRANT
	WATER METER
	THRUST BLOCK
	WATER VALVE
	FLANGED FITTING
	RESTRAINED JOINT FITTING
	CAP
	CONNECTION TO EXISTING



CHRIS McCORMICK
280 21ST ST NE
55800200502

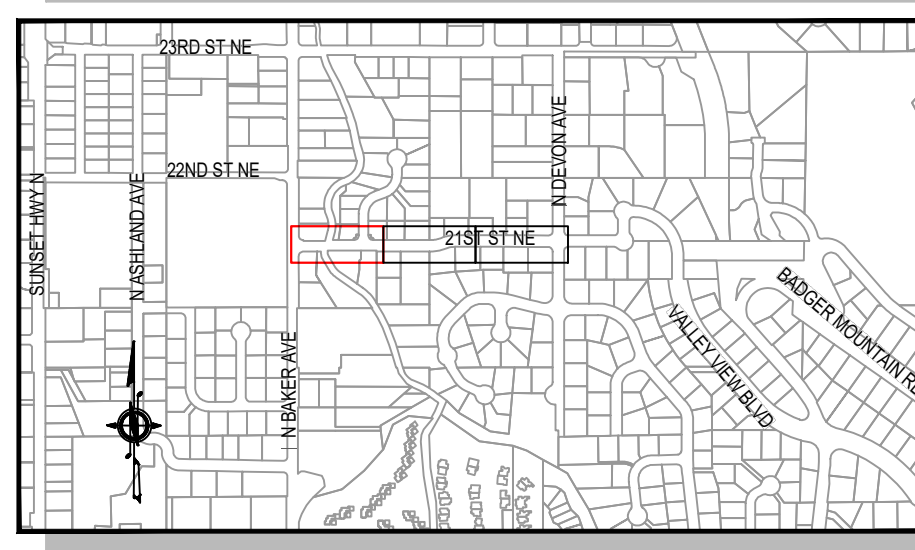
PLAN VIEW
1" = 20'



GENERAL NOTES

- 1) INSTALLATION OR RECONNECTION OF WATER SERVICES MAY REQUIRE REMOVAL AND RESTORATION OF PRIVATE SURFACE IMPROVEMENTS. ALL SUCH WORK SHALL BE INCLUDED IN THE CONTRACTOR'S PRICE WITH NO SEPARATE PAYMENT. SUCH IMPROVEMENTS MAY INCLUDE BUT NOT LIMITED TO: RETAINING WALLS; PLANTS; LAWN; MAILBOXES; FENCES; STEPS; WALKS; CURBS; AND LANDSCAPING ROCK.
- 2) WHERE METER CHAMBER IS NOT LOCATED FULLY WITHIN A SIDEWALK PANEL PROVIDE HMA APRON AROUND METER CHAMBER PER EWWD STANDARD DETAIL W-29 AS DEPICTED IN GREEN SHOWN HERE.
- 3) REMOVE EXISTING METER CHAMBERS PER EWWD STANDARD DETAIL W-15.
- 4) EXISTING WATER SERVICE LINES MAY INTERFERE WITH THE PROPOSED STORM PIPING. IF STORM PIPE IS INSTALLED PRIOR TO NEW THE INSTALLATION OF NEW WATER SERVICE LINES THEN TEMPORARILY ADJUST EXISTING WATER SERVICE LINE AS SHOWN ON DETAIL A ON DWG W01. IF WATER SERVICE LINES ARE REPLACED PRIOR TO STORM PIPE INSTALLATION LOCATE NEW WATER SERVICE LINES SO THAT THEY DO NOT INTERFERE WITH THE PROPOSED STORM PIPING.

VICINITY MAP



EAST WENATCHEE WATER DISTRICT
21ST STREET NE WATER IMPROVEMENTS

WATER IMPROVEMENTS 01

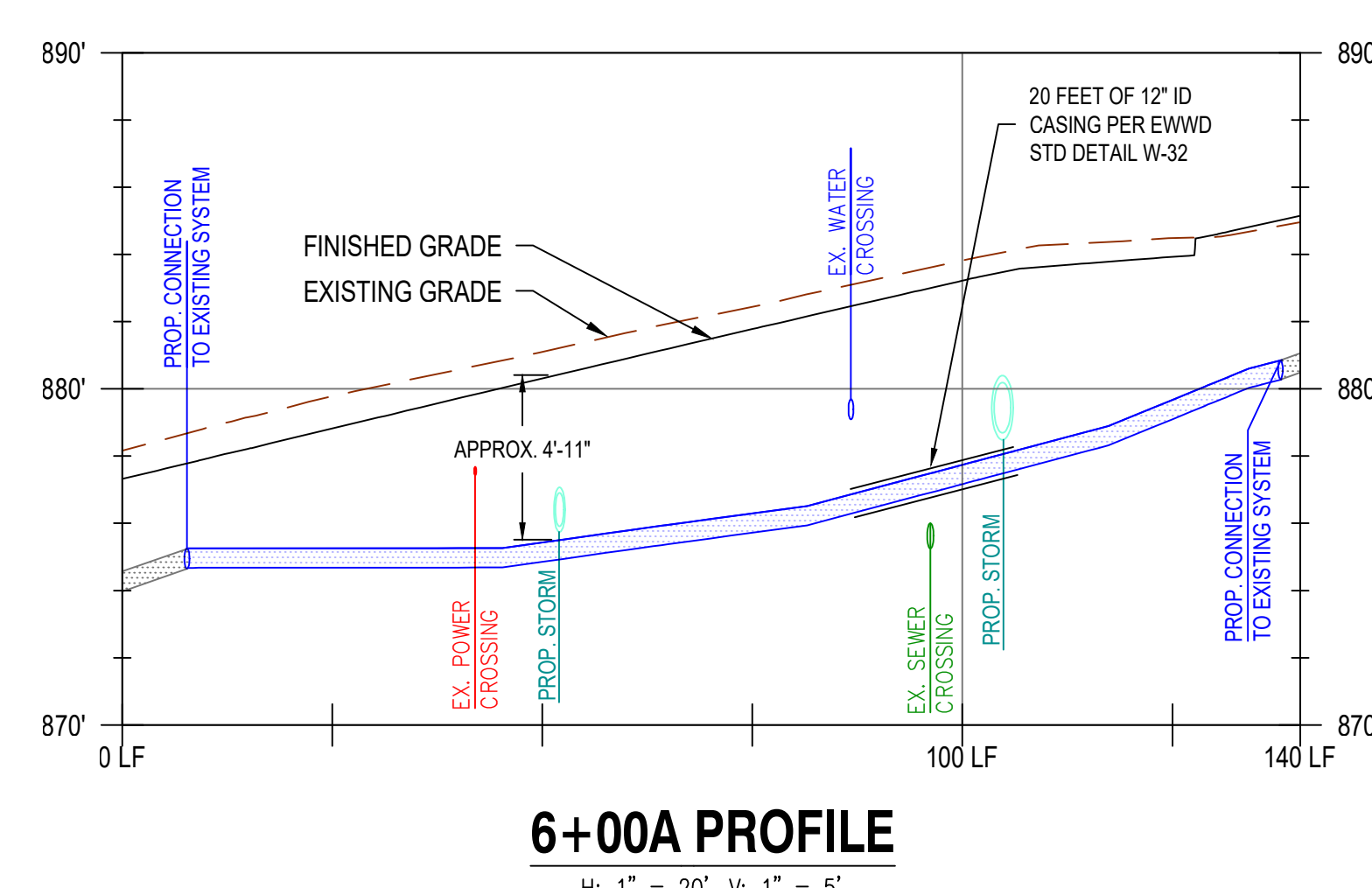
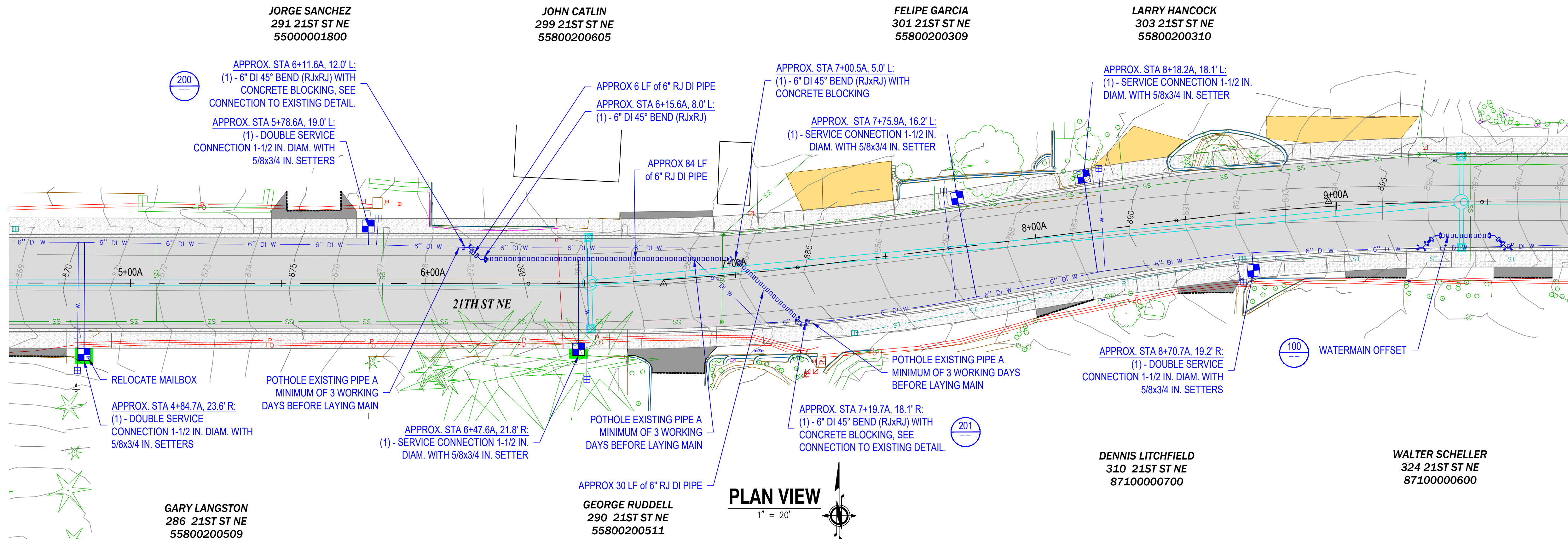


NO.	DATE	DESCRIPTION	BY	REVIEW

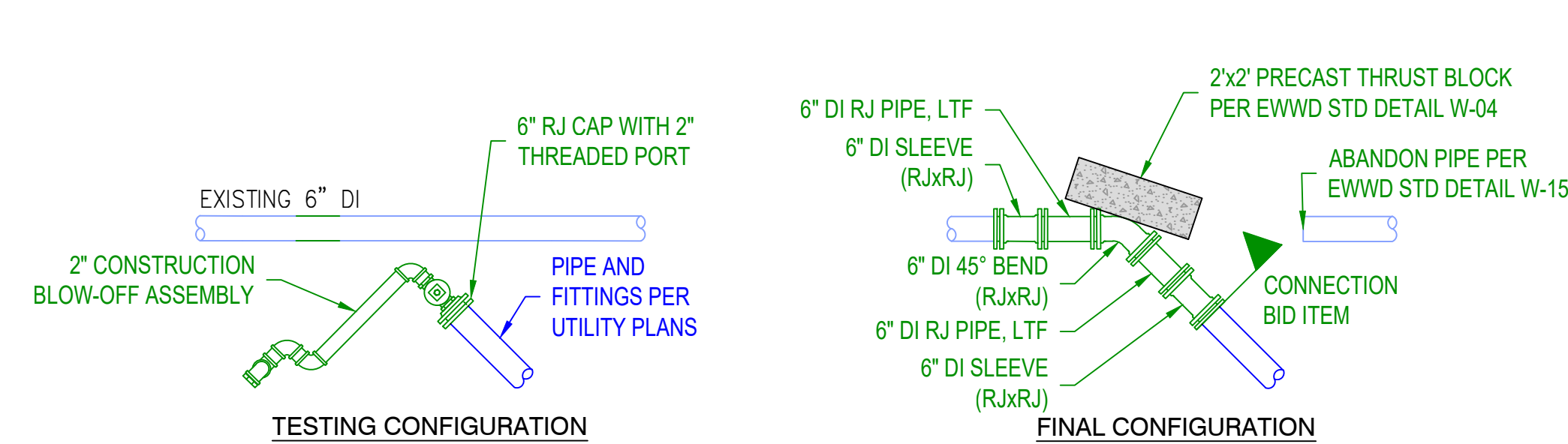
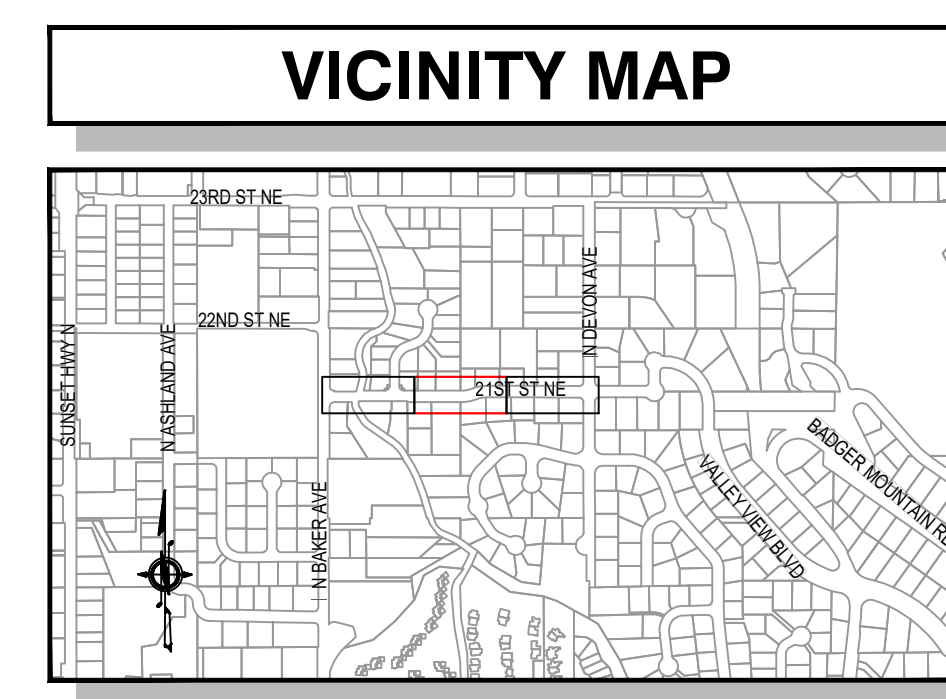
SCALE: SHOWN

DRAWING IS FULL SCALE WHEN BAR MEASURES 2"

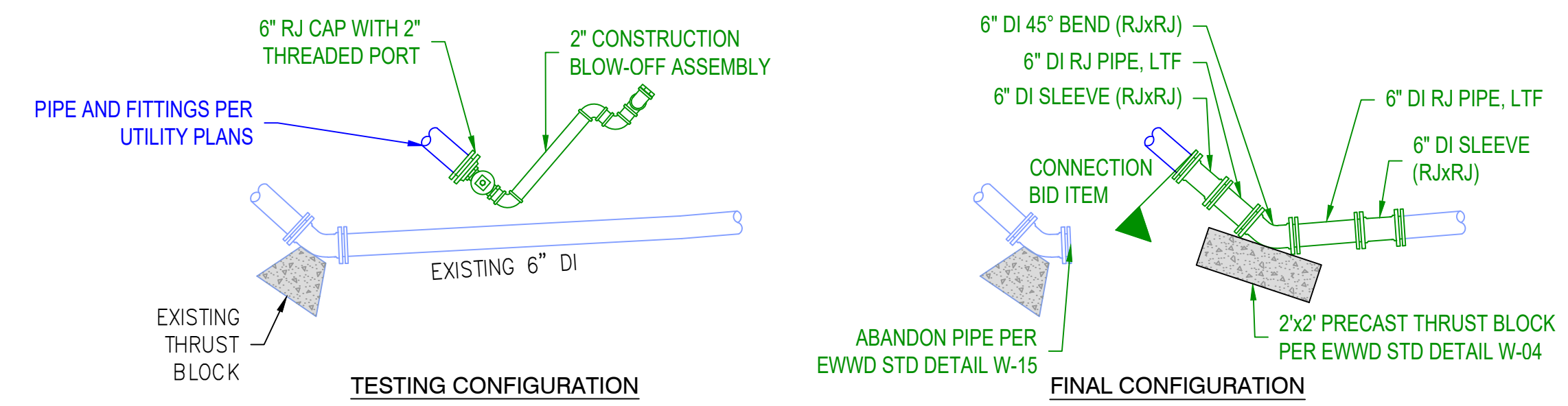
DWG NO.: W01 SHEET NO.: 18 OF 22



- ### GENERAL NOTES
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CONNECTION TO EXISTING - STA 6+11A
NOT TO SCALE



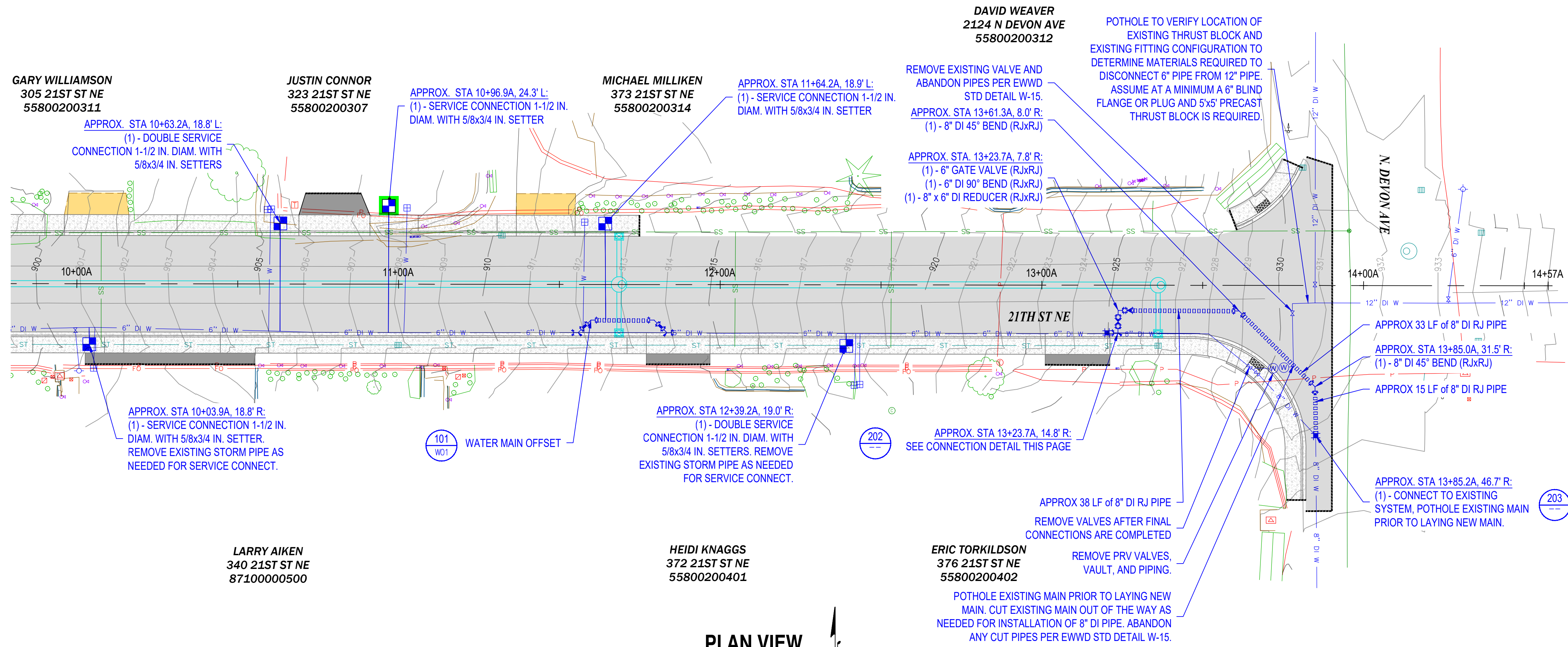
CONNECTION TO EXISTING - STA 7+19A
NOT TO SCALE

EAST WENATCHEE WATER DISTRICT
21ST STREET NE WATER IMPROVEMENTS

WATER IMPROVEMENTS 02

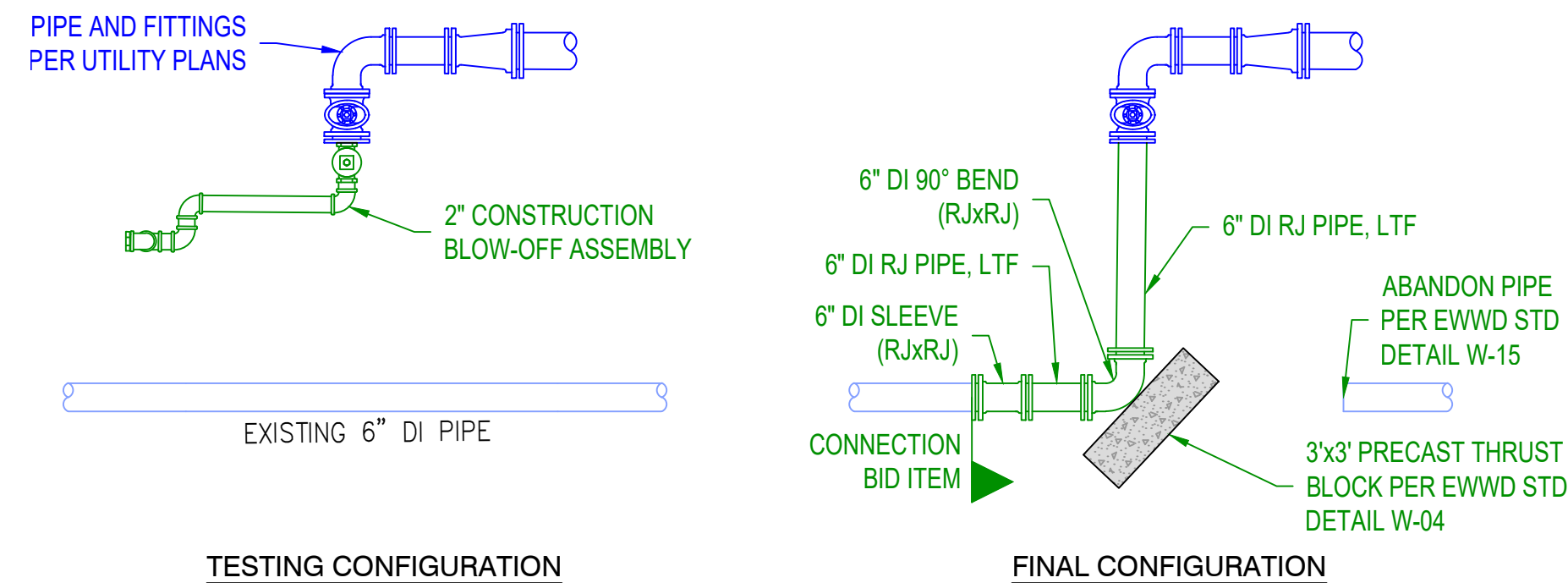
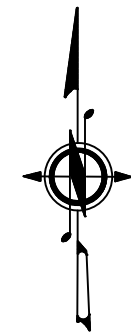


NO.	DATE	DESCRIPTION	BY	REVIEW



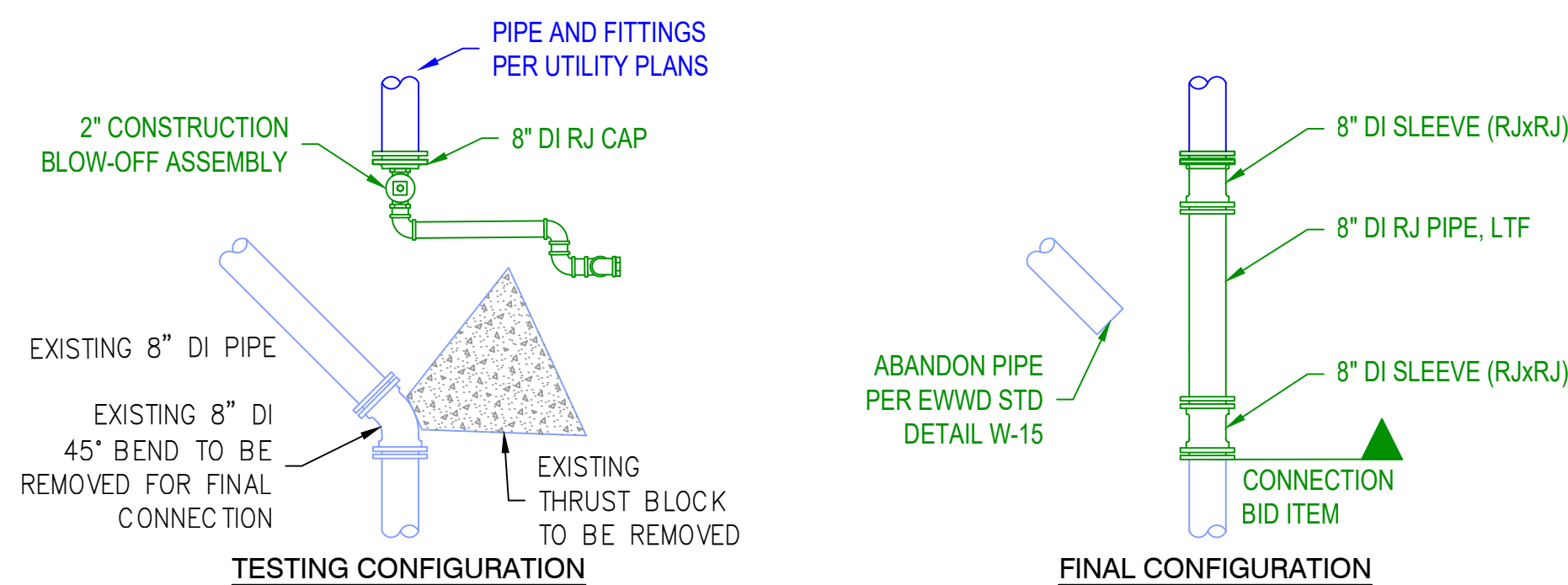
PLAN VIEW

1" = 20'



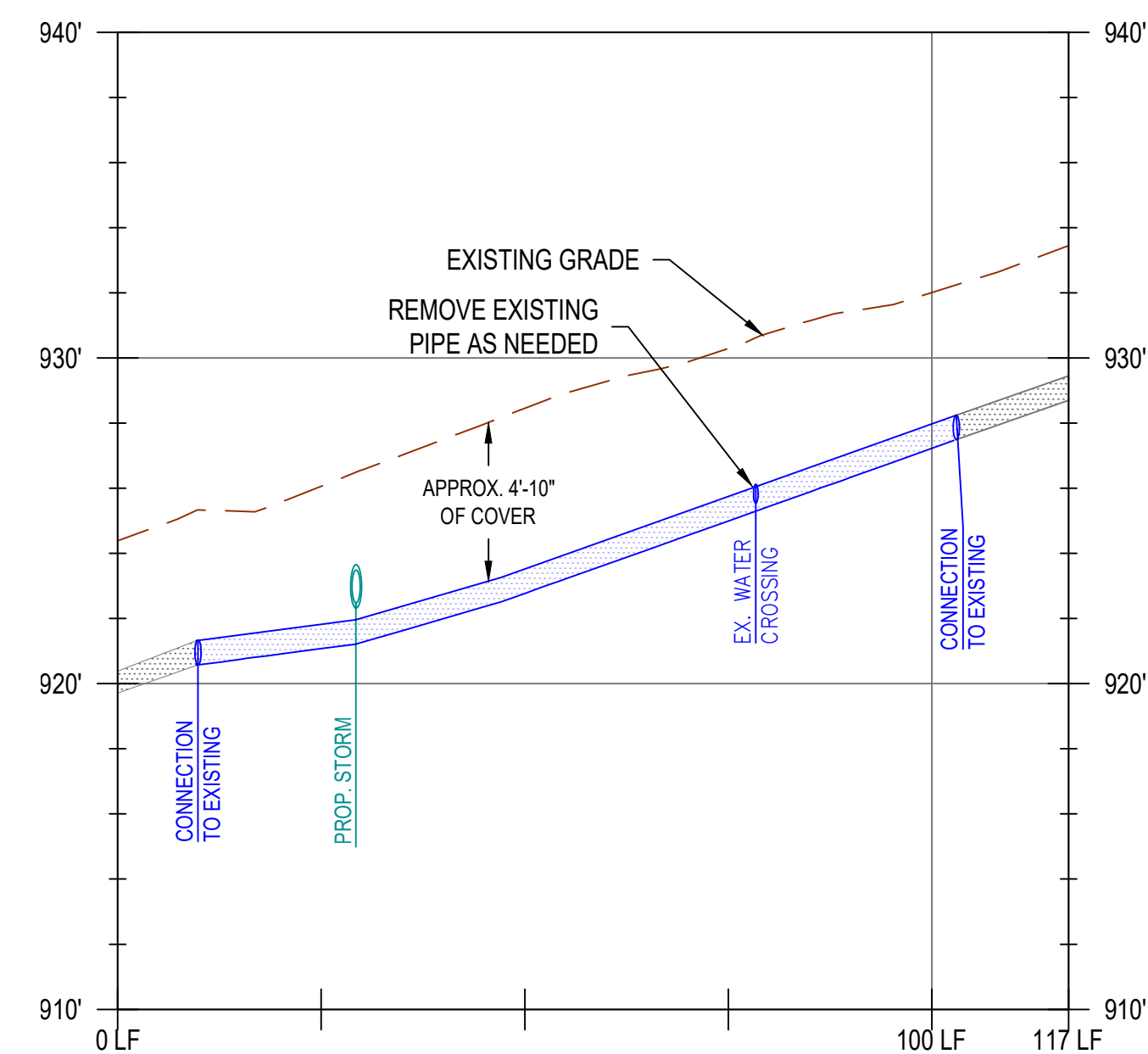
CONNECTION TO EXISTING - STA. 13+27A

NOT TO SCALE



CONNECTION TO EXISTING - STA. 13+85A

NOT TO SCALE



WATER MAIN EAST PROFILE

H: 1" = 20', V: 1" = 5'

GENERAL NOTES

- 1) INSTALLATION OR RECONNECTION OF WATER SERVICES MAY REQUIRE REMOVAL AND RESTORATION OF PRIVATE SURFACE IMPROVEMENTS. ALL SUCH WORK SHALL BE INCLUDED IN THE CONTRACTOR'S PRICE WITH NO SEPARATE PAYMENT. SUCH IMPROVEMENTS MAY INCLUDE BUT NOT LIMITED TO: RETAINING WALLS; PLANTS; LAWN; MAILBOXES; FENCES; STEPS; WALKS; CURBS; AND LANDSCAPING ROCK.
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VICINITY MAP



EAST WENATCHEE WATER DISTRICT
21ST STREET NE WATER IMPROVEMENTS

WATER IMPROVEMENTS 3



REVISIONS

NO.	DATE	DESCRIPTION	BY	REVIEW

SCALE: SHOWN

DRAWING IS FULL SCALE WHEN BAR MEASURES 2"

DWG NO.: W03 SHEET NO.: 20

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MOST CURRENT VERSIONS OF THE FOLLOWING:

- 1.1. EAST WENATCHEE WATER DISTRICT DEVELOPER EXTENSION AGREEMENT (when applicable).
- 1.2. EAST WENATCHEE WATER DISTRICT STANDARD DETAILS. IF ANY DETAIL IS REVISED AFTER PLAN APPROVAL, THE DISTRICT WILL DETERMINE IF THE REVISION MUST BE INCORPORATED INTO THE WORK.
- 1.3. EAST WENATCHEE WATER DISTRICT SERVICE POLICES AND CONSTRUCTION STANDARDS.
- 1.4. WA STATE DEPT. OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION.

2. A PRECONSTRUCTION CONFERENCE IS REQUIRED PRIOR TO CONSTRUCTION AND 48 HOURS ADVANCE NOTIFICATION OF THE LOCAL MUNICIPALITY, THE EAST WENATCHEE WATER DISTRICT, AND ALL AFFECTED UTILITY COMPANIES PRIOR TO THE ACTUAL START OF WORK.

3. THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS OF THE RIGHT-OF-WAY/STREET CONSTRUCTION PERMIT AS ISSUED BY THE DOUGLAS COUNTY DEPT. OF TRANSPORTATION AND LAND SERVICES, CITY OF EAST WENATCHEE, AND/OR WA. STATE DOT FRANCHISE FOR THIS PROJECT. TRAFFIC CONTROL SHALL FOLLOW THE ROAD AGENCY'S CODES AND STANDARDS.

4. LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE ESTIMATED UNLESS STATED OTHERWISE. THE CONTRACTOR SHALL VERIFY, LOCATE AND PROTECT ALL UTILITIES WITHIN THE PROJECT AREA. THE CONTRACTOR SHALL REPLACE OR REPAIR ANY UTILITIES DAMAGED DURING CONSTRUCTION. SHOW ALL ENCOUNTERED UTILITIES ON THE AS-BUILTS.

5. LOCATION AND EXTENT OF IRRIGATION PIPELINES WITHIN THE PROJECT LIMITS ARE UNKNOWN. CONTRACTOR SHALL CONTACT PROPERTY OWNERS ADJACENT TO THE PROJECT FOR LOCATING PRIVATE IRRIGATION SYSTEMS. CONTRACTOR IS RESPONSIBLE FOR LOCATING, REPLACING, OR REPAIRING IRRIGATION SYSTEMS DAMAGED DURING CONSTRUCTION. REPAIR IRRIGATION SYSTEMS WITH PRODUCTS OF NO LESSER QUALITY THAN SCH 40 PVC. SHOW IRRIGATION ON THE AS-BUILTS.

6. ALL EXCAVATION SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE STANDARD DETAILS AND SECTIONS 7-9.3(10) AND 7-9.3(11) OF THE STANDARD SPECIFICATIONS. COMPACTION TESTING IS REQUIRED DURING BACKFILLING OPERATIONS AT THE DISCRETION OF THE WATER DISTRICT. IF TRENCH BACKFILL DOES NOT MEET COMPACTON REQUIREMENTS, CONTRACTOR SHALL EXCAVATE, RECOMPACT, AND RETEST MATERIAL AT CONTRACTOR'S EXPENSE.

7. RESTORATION OF DAMAGED ROAD SURFACING SHALL BE IN ACCORDANCE WITH THE LOCAL MUNICIPALITY'S REQUIREMENTS. ALL OTHER AREAS SHALL BE RESTORED TO ORIGINAL CONDITION OR AS DIRECTED BY THE DISTRICT. THIS INCLUDES SHOULDERS, LANDSCAPING, WALLS, FENCES AND OTHER IMPROVEMENTS.

8. ALL WATER SERVICES, FIRE HYDRANTS, AND THRUST BLOCKING SHALL BE INSPECTED BY THE DISTRICT BEFORE BURY.

9. PROVIDE A SANITARY GAP BETWEEN THE EXISTING AND NEW WATER SYSTEMS. CONNECTION TO THE EXISTING WATER SYSTEM SHALL BE PERFORMED BY THE CONTRACTOR ONLY AFTER COMPLETING AN ACCEPTABLE PRESSURE TEST AND THE PIPELINE IS DISINFECTED, FLUSHED, AND RECEIPT OF ACCEPTABLE WATER QUALITY TEST RESULTS FROM THE HEALTH DISTRICT OR LAB. SEE DETAIL W-09.

10. PERFORM PRESSURE TEST AT 250psi. THE DISTRICT INSPECTOR HAS DISCRETION TO MODIFY THE TESTING REQUIREMENTS.

- 10.1. PRESSURE WASHERS ARE NOT ALLOWED FOR PRESSURE TESTING. DISTRICT HAS THE RIGHT TO REJECT ANY PUMP SYSTEM THAT IN THE DISTRICT'S SOLE OPINION MAY BE UNSAFE OR UNSATISFACTORY.
- 10.2. PRESSURE TEST INCLUDES MAINLINE, HYDRANTS, SERVICE LINES, SETTERS, AND CUSTOMER SERVICE SIDE TAILPIPE.
- 10.3. TEST MAINLINE IN SECTIONS OF NO MORE THAN 1,500 FEET. PRESSURE DROP SHALL NOT EXCEED 5 PSI IN 120 MINUTES.
- 10.4. ASSEMBLE AND TEST VALVE CLUSTERS OUTSIDE OF THE TRENCH PRIOR TO INSTALLATION.
- 10.5. TEST GAUGE RANGE SHALL NOT EXCEED 160% OF TEST PRESSURE (400 psi max for 250 psi test).

11. AN INFLATABLE PIPE PLUG SHALL BE USED ON EACH JOINT DURING INSTALLATION TO PROTECT AGAINST SOIL INTRUSION AND FLOODING OF THE PIPE. OPEN ENDS OF VALVES SHALL BE PLUGGED OR BAGGED UNTIL EXTENDED WITH PIPE.

12. CONTRACTOR SHALL POTHOLE A SUFFICIENT DISTANCE AHEAD OF PIPELAYING TO VERIFY DEPTH OF EXISTING WATER MAINS AND CROSSING UTILITIES AND TO ANTICIPATE ANY NECESSARY CHANGES IN FITTINGS OR ALIGNMENT.

13. AN AS-BUILT RECORD MUST BE SUBMITTED TO THE DISTRICT BEFORE WATER SERVICE WILL BE PROVIDED.

14. DEFLECTION AT PIPE AND FITTING JOINTS WILL BE ALLOWED UP TO 3.0" PER JOINT OR AS RECOMMENDED BY MANUFACTURER, WHICHEVER IS LESS. 3.0" IS 11" PER 18" PIPE STICK, WHICH IS 350" RADIUS.

15. CONTRACTOR SHALL ONLY DISPOSE OF WASTE MATERIAL AT SITES APPROVED BY DOUGLAS COUNTY TRANSPORTATION AND LAND SERVICES. STOCKPILE MATERIALS ONLY ON DISTRICT APPROVED SITES.

16. CONTRACTORS WORKING WITHIN RIGHT OF WAY OR ON EXISTING DISTRICT INFRASTRUCTURE SHALL BE LICENSED, BONDED, AND HAVE EXPERIENCE INSTALLING PUBLIC DOMESTIC WATER SYSTEMS. BE PREPARED TO PRESENT EXAMPLES OF 3 SUCH PROJECTS UPON REQUEST.

17. CONTRACTOR TO PROVIDE NO LESS THAN 48 HOURS NOR MORE THAN 72 HOURS NOTICE TO THE DISTRICT PRIOR TO ANY REQUESTED SHUTDOWN OR CUSTOMER OUTAGE. DISTRICT WILL PROVIDE NOTICE TO CUSTOMERS 24 HOURS IN ADVANCE OF OUTAGE. NO OUTAGES ARE ALLOWED ON MONDAYS OR FRIDAYS.

CONTINUED ON W-30 . . .

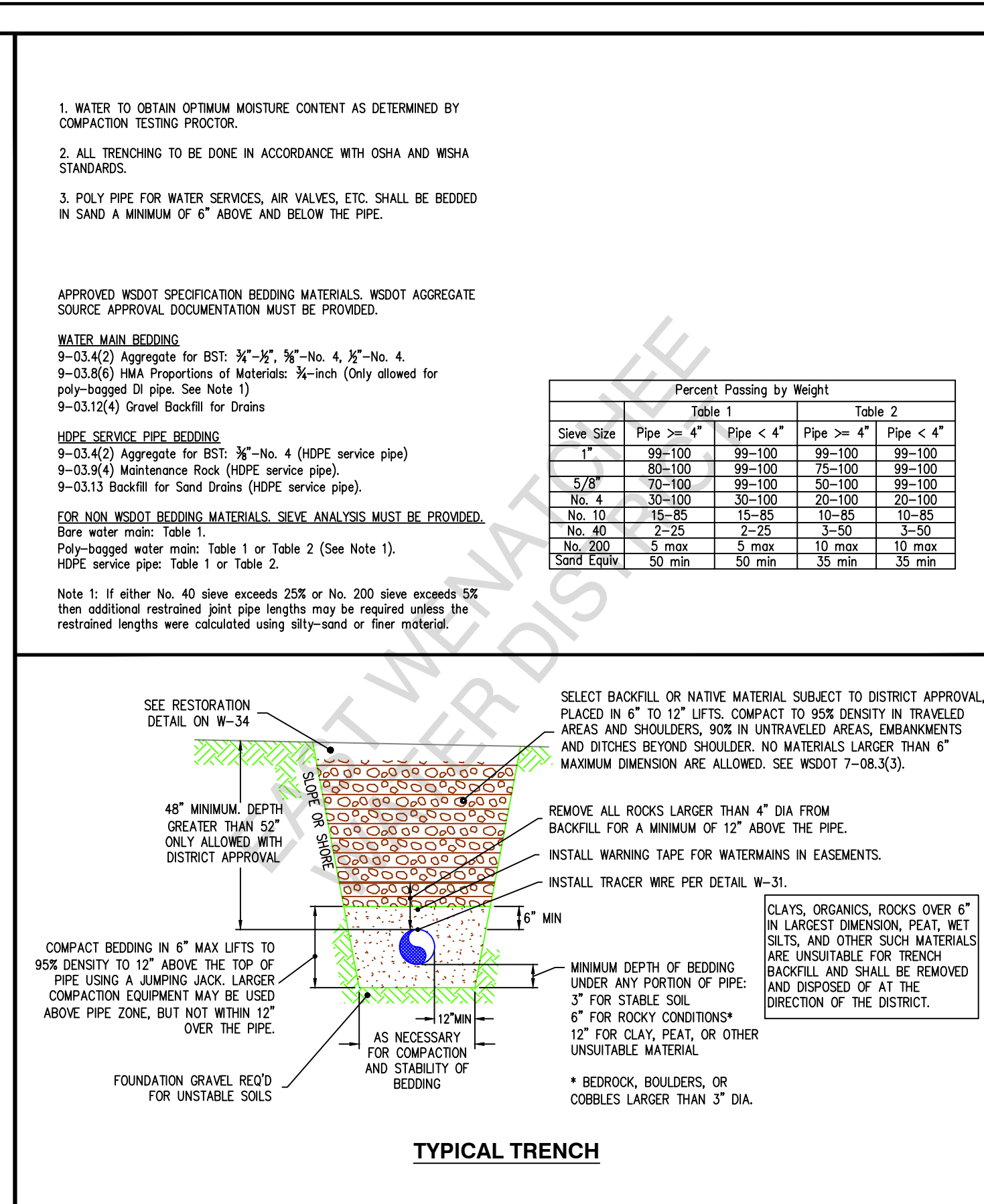
18. CONTRACTOR SHALL MAINTAIN AND RETURN ANY TEMPORARY EQUIPMENT PROVIDED BY THE DISTRICT. CONTRACTOR SHALL REIMBURSE THE DISTRICT FOR ANY DAMAGE OR LOSS OF EQUIPMENT.

19. STAKE LOCATIONS OF WATERMAIN, BENDS, TEES, HYDRANTS, AND VAULTS PRIOR TO EXCAVATION. AT THE DISTRICT'S DISCRETION, THE CONTRACTOR MAY PROVIDE A GPS ROVER WITH LOCATIONS PRE-LOADED.

20. NO WORK THAT REQUIRES INSPECTION, OVERSIGHT, OR INPUT FROM THE DISTRICT, THE DISTRICT'S INSPECTOR OR ENGINEER WILL BE ALLOWED ON FRIDAYS, SATURDAYS, SUNDAYS, OR ON DISTRICT RECOGNIZED HOLIDAYS NOR THE PRECEDING DAY.

MATERIALS REQUIREMENTS

1. ALL PIPE, VALVES, AND FITTINGS MUST BE RATED FOR NO LESS THAN 175 PSI WORKING PRESSURE AND 250 PSI TEST PRESSURE UNLESS STATED OTHERWISE.
2. METAL PRODUCTS & METAL ACCESSORIES (e.g. MJ T-BOLTS KITS, GLANDS, ETC) SHALL BE OF DOMESTIC FABRICATION & CONSTRUCTION. THIS REQUIREMENT EXCLUDES: TEMPORARY MATERIALS NOT PART OF THE PERMANENT FACILITY, FLANGE BOLT KITS, VALVE BOXES, & CASING PIPES. THIS REQUIREMENT MAY BE SUPERCEDED BY CONTRACT REQUIREMENTS FOR STATE OR FEDERALLY FUNDED PROJECTS.
3. ALL PIPE 3" AND LARGER SHALL BE DUCTILE IRON WITH A WALL THICKNESS NO LESS THAN CLASS 50 EXCEPT WHERE TRENCH BACKFILL OR LOADING DICTATE A STRONGER PIPE. USE CLASS 52 FOR HYDRANT RUNS AND WHERE PRESSURE EXCEEDS 150 PSI.
4. HDPE SERVICE PIPE SHALL BE 250 PSI RATED (DR9) CTS (Copper Tube Size), ONLY FORD "QUICK-JOINT", MUELLER "110 CONDUCTIVE COMPRESSION", OR EQUAL FITTINGS ALLOWED FOR HDPE OR COPPER PIPE CONNECTIONS, NO PACK JOINTS.
5. ONLY FORD, McDONALD, & MUELLER PRODUCTS ARE APPROVED FOR SERVICE BRASS, UNLESS OTHERWISE NOTED IN THESE DETAILS.
6. **METER VAULT LID NOTE:** FOR ALL TAPER-TOP STYLE VAULTS FOR WATER SERVICES, AIR VALVES, PERMANENT BLOW-OFFS, AND OTHER PURPOSES, CONTRACTOR TO PURCHASE LID AND FRAME EQUAL TO EAST JORDAN IRONWORKS' EAST WENATCHEE WATER DISTRICT SPECIFICATION, FRAME/LID 3620Z/3620C FOR NON-TRAFFIC AREAS, AND 3619Z/3619C FOR DRIVEWAYS AND TRAFFIC AREAS.
- 6.1. ANCHOR FRAME TO VAULT USING NON-SHRINK GROUT. FRAME AND LID TO BE RATED FOR TRAFFIC LOADING IN TRAFFIC AREAS.
- 6.2. WATER SERVICE VAULT LIDS TO INCLUDE ONE 2-3/16" DIAMETER HOLE WITH 4-1/4" DIAMETER x 3/16" DEEP RECESS FOR RADIO.
- 6.3. FOR AIR VALVES AND BLOW-OFFS, DO NOT DRILL HOLE IN LIDS, NOR PROVIDE "METER" TEXT ON FRAME.
- 6.4. LID SURFACE TO HAVE A STATIC COEFFICIENT OF FRICTION NO LESS THAN 0.60 AS DETERMINED BY ASTM C-1028.
7. FLANGE GASKETS: MINIMUM 1/8" THICK, AND RATED FOR EITHER THE TEST PRESSURE OR 150% OF WORKING PRESSURE, WHICHEVER IS GREATER. BOTH RING TYPE AND FULL FACE ARE ALLOWED. DO NOT USE FULL FACE GASKETS ON RAISED SEAT FLANGES. GASKETS MAY NOT BE REUSED ONE ASSEMBLED.
8. FLANGE BOLTS ASTM A307 GRADE A OR B. ALL BOLTS, NUTS AND WASHERS TO BE ZINC PLATED STEEL OR COR-TEN MATERIALS.
9. BURIED VALVES 2" AND SMALLER TO BE CURB STOP OR CORP STOP PER DETAILS, OR STYLE AT THE DISCRETION OF THE DISTRICT.
- 9.1. CORP STOP: MUELLER 300 BALL CURB (B-25028N), FORD FB100-Q-NL, OR APPROVED EQUAL.
- 9.2. CURB STOP: MUELLER 300 BALL CURB (B-25122N), FORD BH1-Q-NL, OR APPROVED EQUAL.
10. 3" BURIED VALVES ONLY ALLOWED WITH DISTRICT APPROVAL. IF APPROVED, THE DISTRICT WILL DETERMINE THE TYPE OF VALVE.
11. ALL CONCRETE VAULTS AND CHAMBERS MUST BE PRECAST. CAST-IN-PLACE ARE NOT ALLOWED.
12. TAPPING TEES: FUSION BONDED EPOXY LINED AND COATED STEEL WITH 1/4" MIN. WALL THICKNESS OUTLET BRANCH, OR STAINLESS STEEL WITH FULL PERIMETER CONTINUOUS INTERNAL RUBBER LINER. WORKING PRESSURE RATING OF 200 PSI, OR 50 PSI ABOVE SYSTEM PRESSURE, WHICHEVER IS HIGHER. 1/2" MIN. THREADED TEST PLUG IN BRANCH. 2-PIECE STYLE FOR 6" AND LARGER MAINS. ROMAC FTS420, SST-10, OR APPROVED EQUAL.
13. BURIED MARKING TAPE SHALL BE NON-METALLIC WHEN A LOCATE WIRE IS PRESENT, OR METALLIC WHEN THERE IS NO LOCATE WIRE.



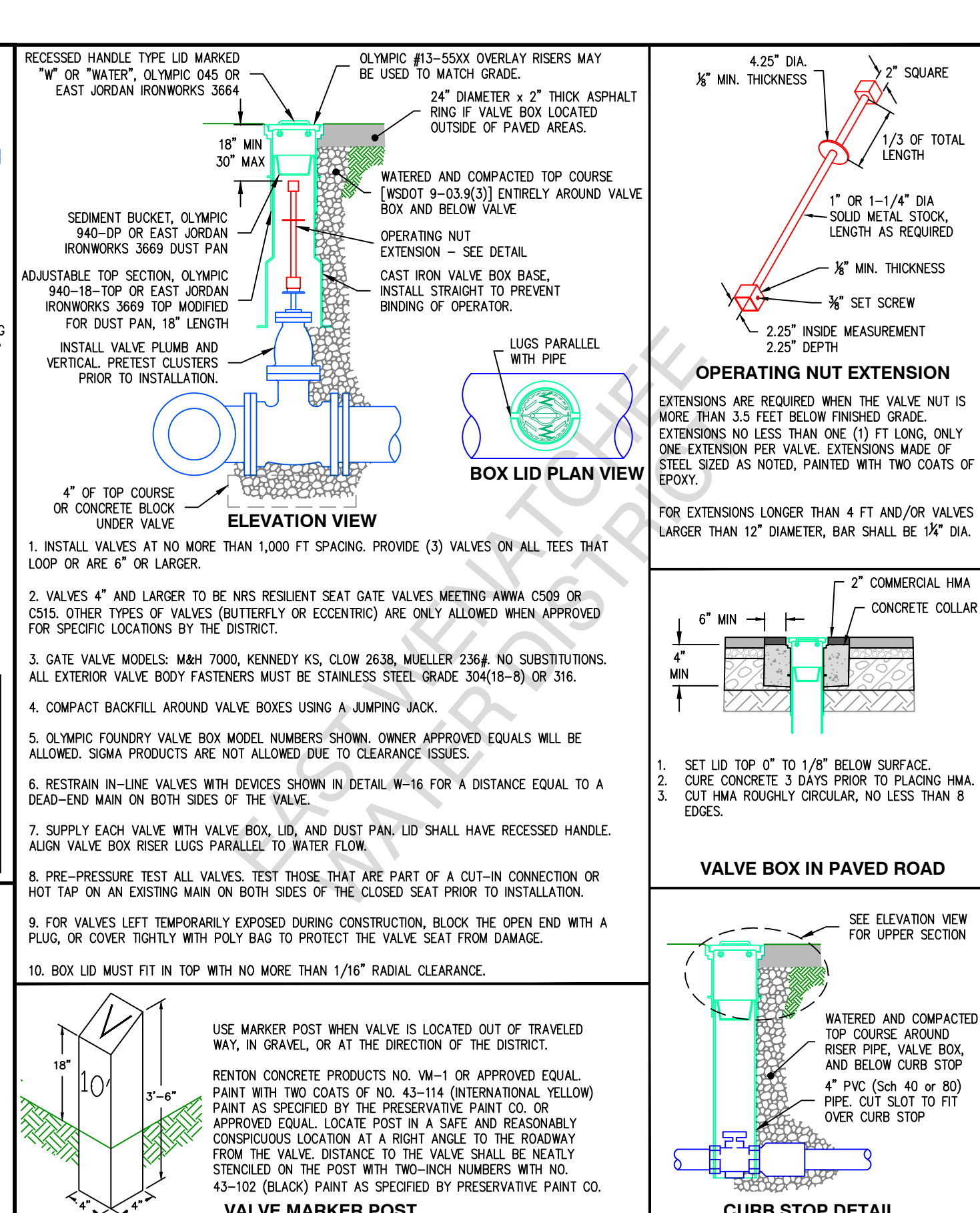
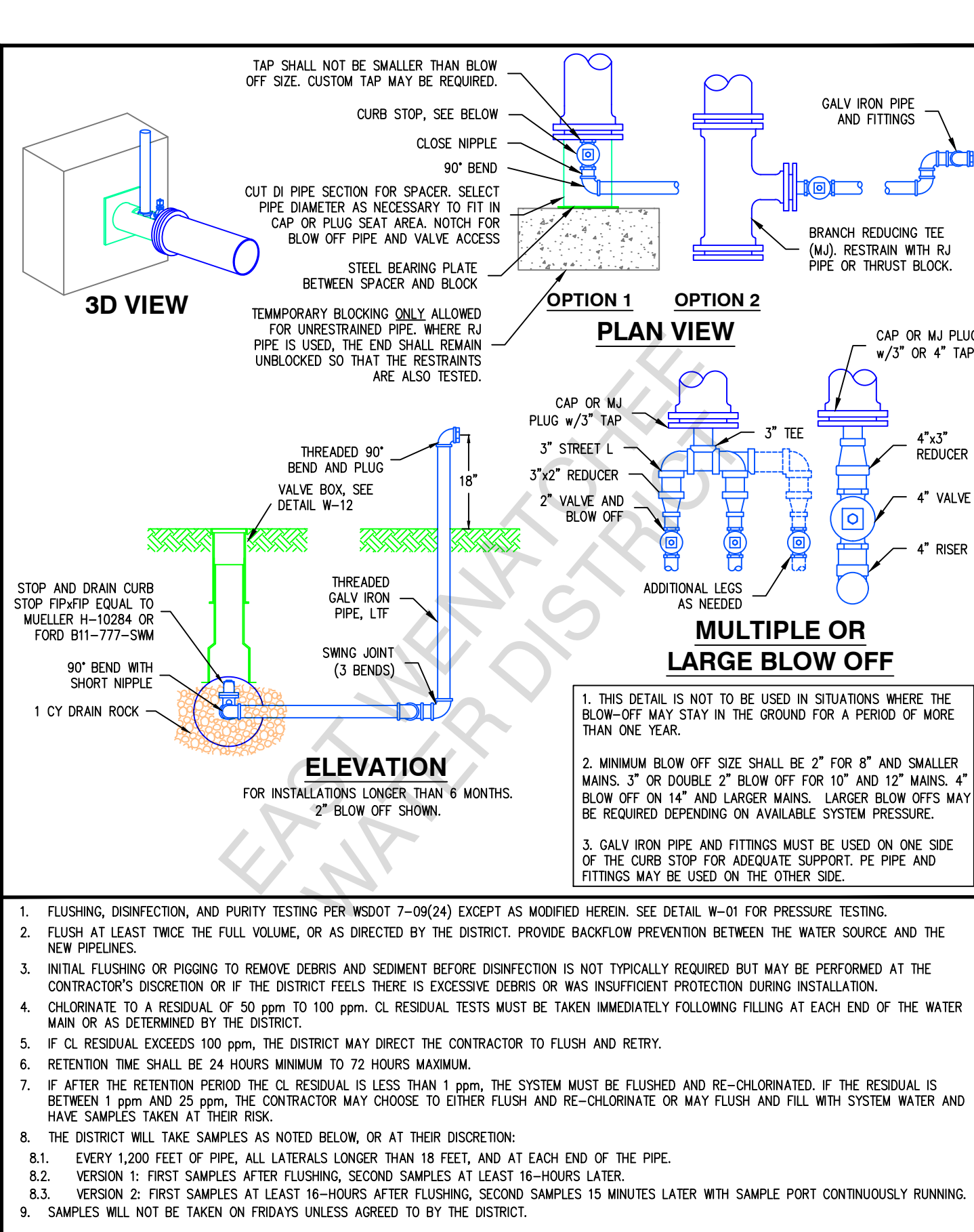
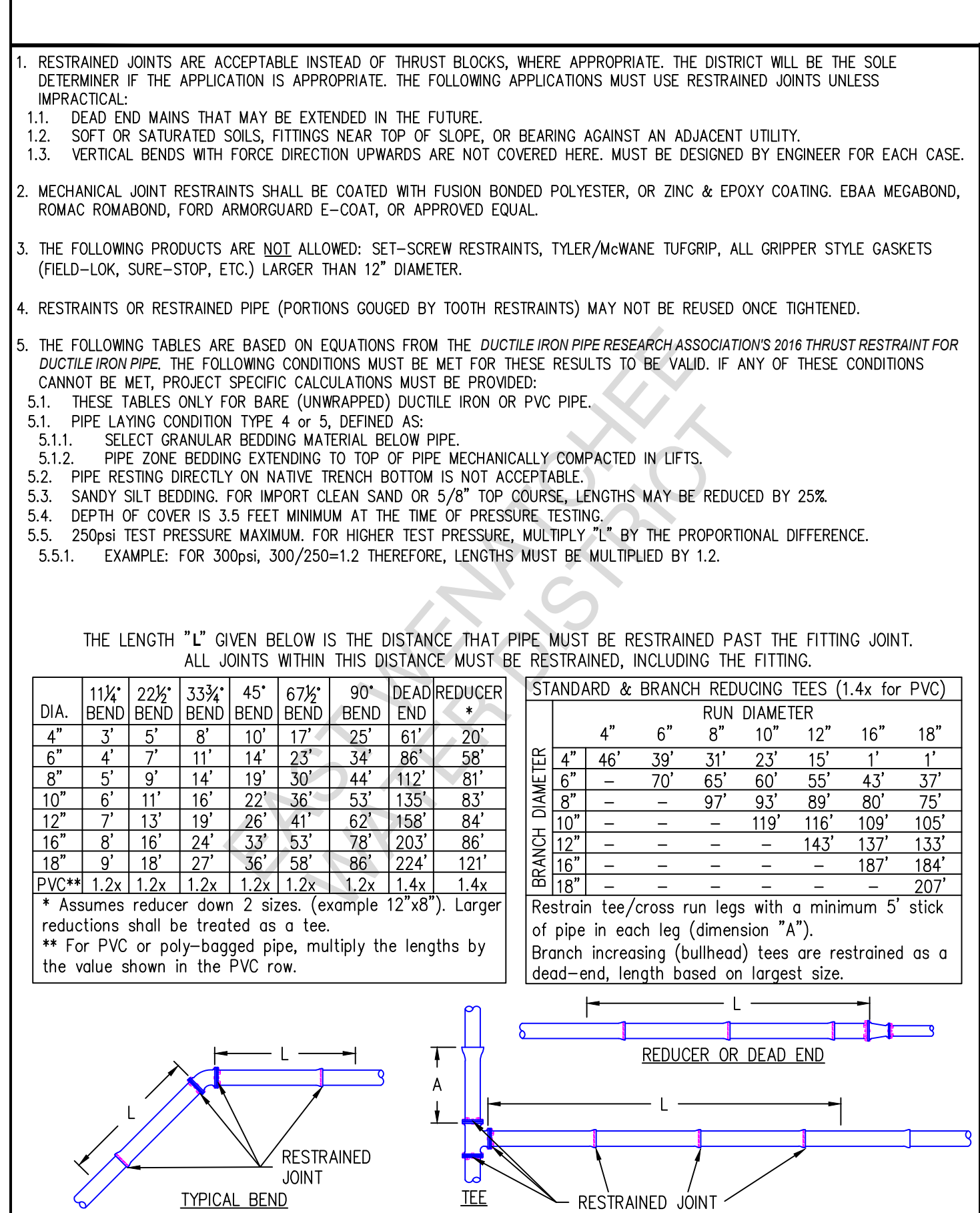
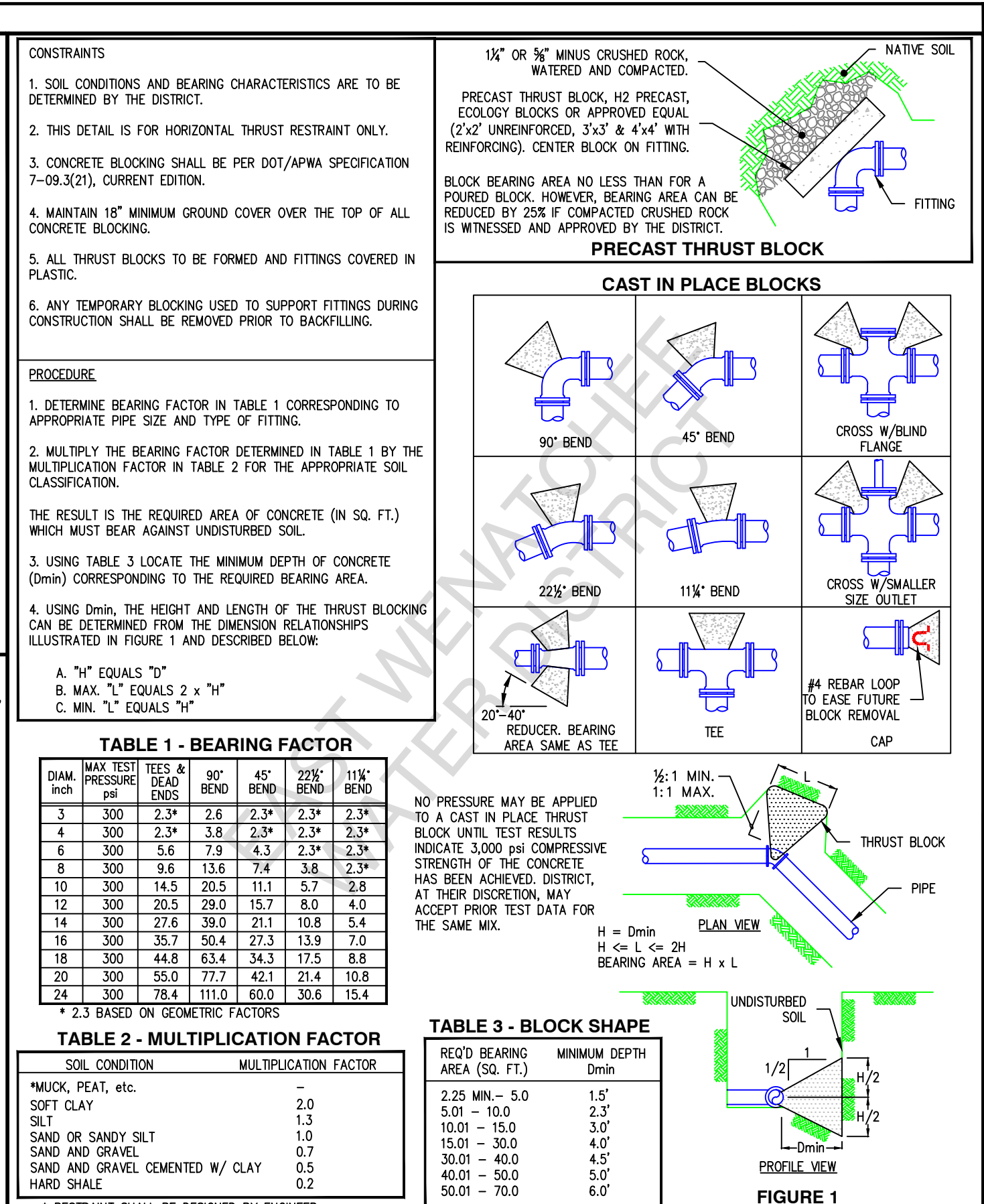
East Wenatchee Water District
 CONSTRUCTION STANDARD DETAIL
 CONSTRUCTION NOTES
 PAGE 1 of 2
 FILENAME: EWDWT12
 REVISED: OCT 7, 2025
 DRAWING No. W-01
 SHEET No. 1

East Wenatchee Water District
 CONSTRUCTION STANDARD DETAIL
 CONSTRUCTION NOTES
 PAGE 2 of 2
 FILENAME: EWDWT19
 REVISED: OCT 7, 2025
 DRAWING No. W-30
 SHEET No. 2

East Wenatchee Water District
 CONSTRUCTION STANDARD DETAIL
 CONSTRUCTION NOTES
 PAGE 1 of 2
 FILENAME: EWDWT22
 REVISED: OCT 7, 2025
 DRAWING No. W-03
 SHEET No. 3

East Wenatchee Water District
 CONSTRUCTION STANDARD DETAIL
 CONSTRUCTION NOTES
 PAGE 2 of 2
 FILENAME: EWDWT6
 REVISED: OCT 7, 2025
 DRAWING No. W-16
 SHEET No. 6

East Wenatchee Water District
 CONSTRUCTION STANDARD DETAIL
 CONSTRUCTION BLOW-OFF AND PURITY TESTING
 FILENAME: EWDWT11
 REVISED: OCT 7, 2025
 DRAWING No. W-09
 SHEET No. 12



ABANDONMENT, REMOVAL, AND TERMINATION NOTES

DISTRICT SHALL BE SOLE DETERMINER OF APPROPRIATE ABANDONMENT PROCEDURES AND METHODS. RESTORE ALL DISTURBED SURFACES TO ORIGINAL CONDITION AND TO THE SATISFACTION OF THE DISTRICT. DELIVER, UNDAMAGED, ALL REMOVED EQUIPMENT (HYDRANTS, SERVICE BRASS, VALVES, ETC., NOT PIPE) TO THE DISTRICT AT THE 15TH STREET AND EASTMONT SHOP WITHIN ONE WEEK OF REMOVAL. THE DISTRICT OWNS ALL EXISTING MATERIALS AND HAS THE RIGHT OF SALVAGE FOR ANY EQUIPMENT AT THEIR DISCRETION. ANY EQUIPMENT THE DISTRICT DOES NOT WISH RETURNED SHALL BE DISPOSED OF BY THE CONTRACTOR. SHOULD THE CONTRACTOR UNNECESSARILY DAMAGE ANY EXISTING FUNCTIONAL EQUIPMENT, SAID EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR AT THEIR COST. THE FOLLOWING METHODS ARE APPROVED ABANDONMENT PROCEDURES FOR TERMINATED EQUIPMENT.

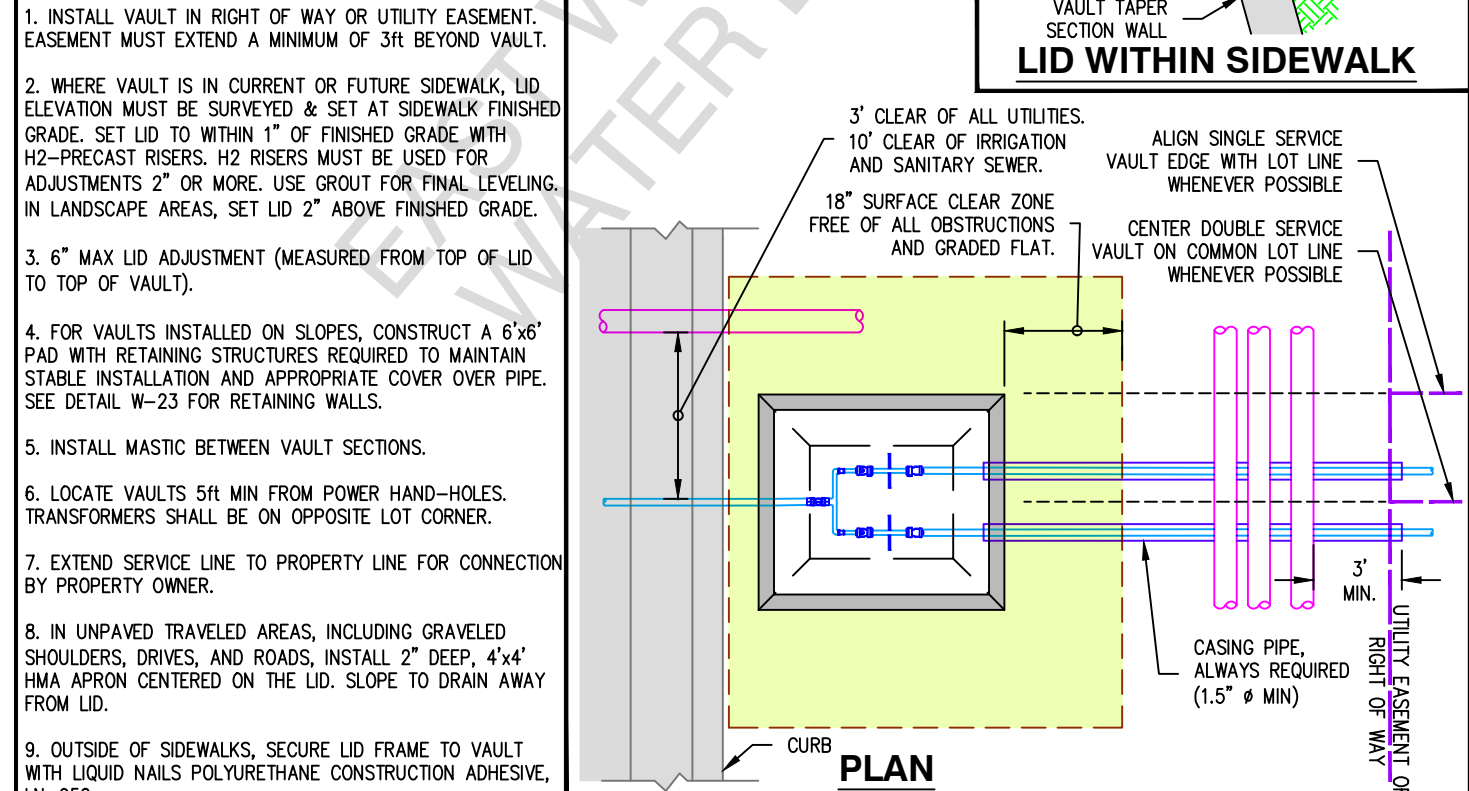
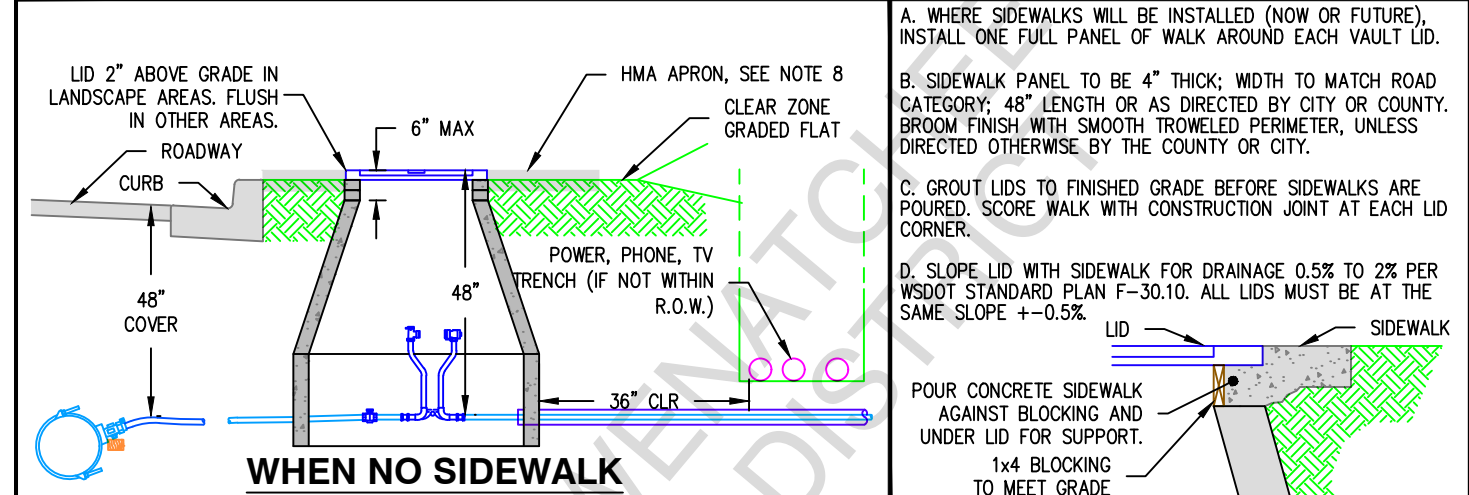
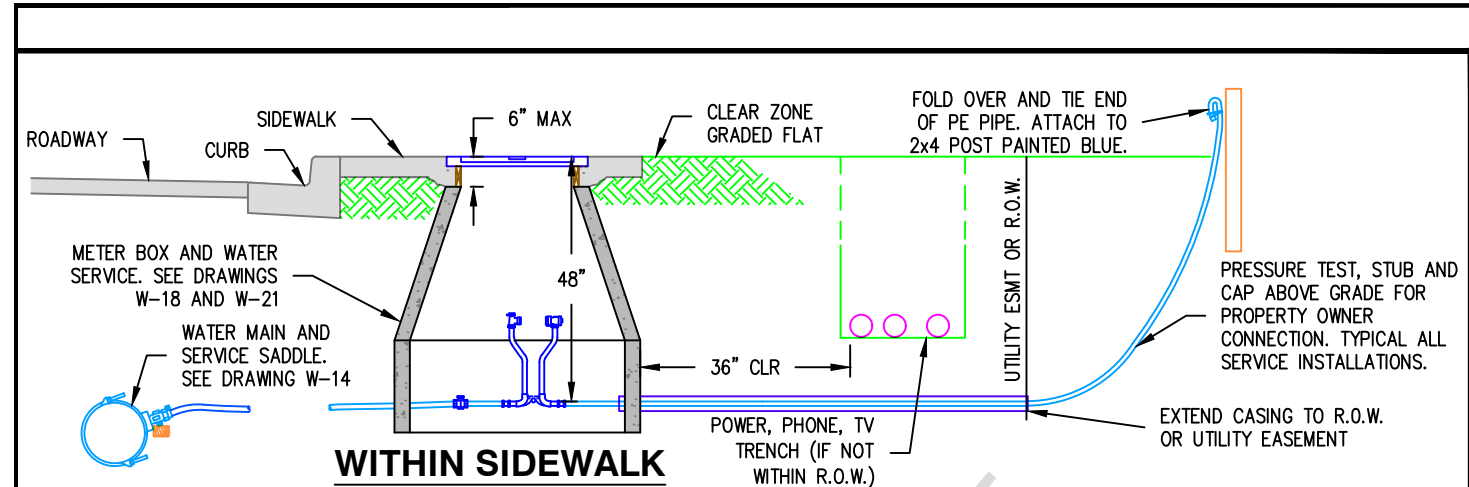
ABANDONED HYDRANTS, SERVICES, BRANCH MAINS, ETC. SHALL BE TERMINATED AT THE FACILITY LOCATION AND AT THE MAINLINE. THE LATERAL SHALL NOT BE LEFT CONNECTED TO THE MAINLINE.

- VALUES**
- REMOVE VALVES AND VALVE BOXES. PLUG OR BLIND FLANGE THE WATER MAIN.
 - AN ALTERNATIVE METHOD OF ABANDONMENT IS ACCEPTABLE IF, AT THE DISCRETION OF THE DISTRICT, THE VALVE CANNOT BE REMOVED. PLUG AND CLOSE THE VALVE, THEN REMOVE THE VALVE BOX.

- WATER MAINS**
- CUT AND DRAIN THE ABANDONED WATER MAIN WHERE EXPOSED DURING CONSTRUCTION AND AT ALL LOW POINTS.
 - REMOVE MAINS IN THE WAY OF NEW CONSTRUCTION. SAW CUT AND REMOVE SHORT SECTIONS OF PIPE. MAINS SHALL NOT BE FORCIBLY REMOVED WITH HEAVY EQUIPMENT DUE TO POTENTIAL DAMAGE TO SURROUNDING UTILITIES.
 - MAINS THAT WILL BE TERMINATED BUT NOT ENCOUNTERED DURING NEW TRENCHING MAY BE LEFT IN PLACE, BUT ALL VALVES MUST BE REMOVED OR ABANDONED AS DESCRIBED UNDER "VALVES".
 - PLUG ENDS OF ABANDONED MAINS EXPOSED DURING CONSTRUCTION WITH GROUT PLUG, BLIND FLANGE, OR CAP AS DIRECTED BY THE DISTRICT DEPENDING ON THE TYPE OF PIPE AND SOIL CONDITIONS.

- WATER SERVICES AND AIR VALVE ASSEMBLIES**
- REMOVE ALL VALVES, SETTERS AND MISCELLANEOUS FITTINGS. BACKFILL WITH CRUSHED ROCK AND COMPACT. NATIVE SOILS MAY BE USED FOR BACKFILL ONLY IF APPROVED BY THE DISTRICT.
 - CUT SERVICE AT MAIN AND REMOVE STUB FROM CURB STOP. CLOSE CURB STOP AND INSTALL THREADED CAP.
 - REMOVE ENTIRE SERVICE LINE BACK TO WATER MAIN (EXCAVATE OR PULL).
 - AT THE DISCRETION OF THE DISTRICT, THE SERVICE LINE MAY REMAIN IN PLACE, BUT MUST BE TERMINATED AT THE MAINLINE AS DESCRIBED IN ITEM 2.

- HYDRANTS**
- REMOVE ENTIRE HYDRANT. REMOVE OR ABANDON LATERAL PIPE AND ISOLATION VALVE AS DETAILED ABOVE.
 - REMOVE ANY BOLLARDS.
 - BACKFILL WITH CRUSHED ROCK, OR NATIVE MATERIAL IF APPROVED BY THE DISTRICT.

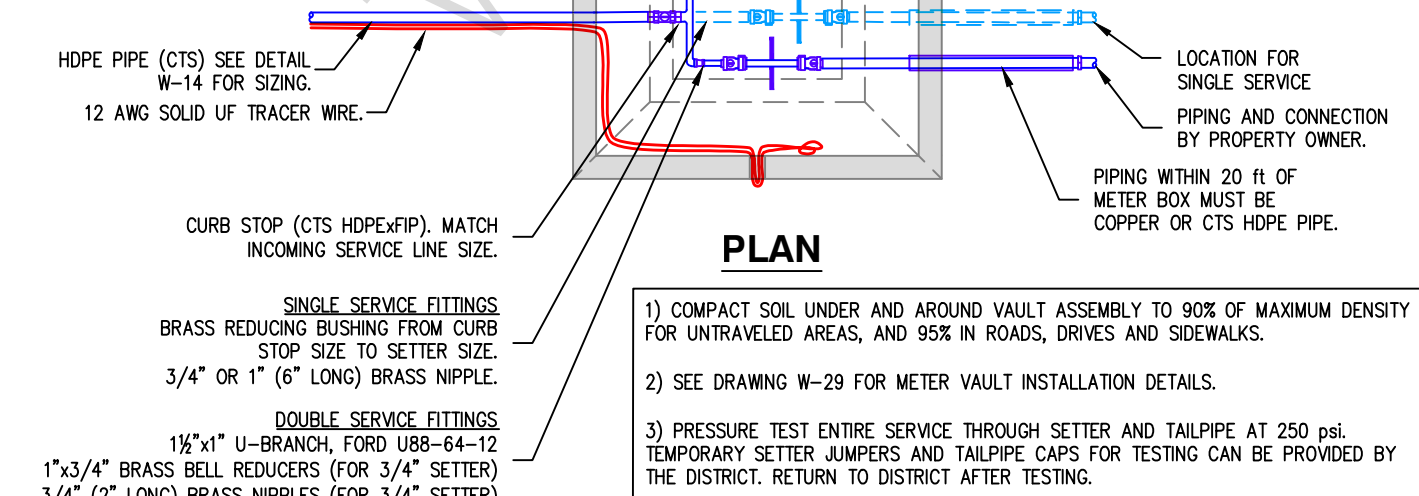
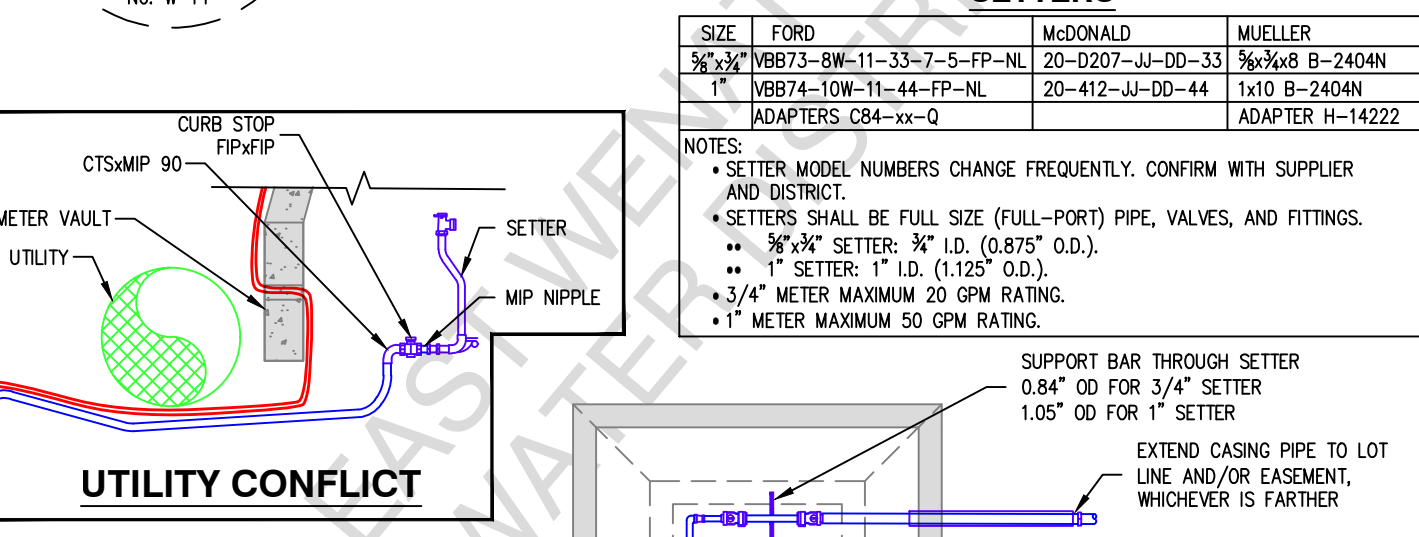
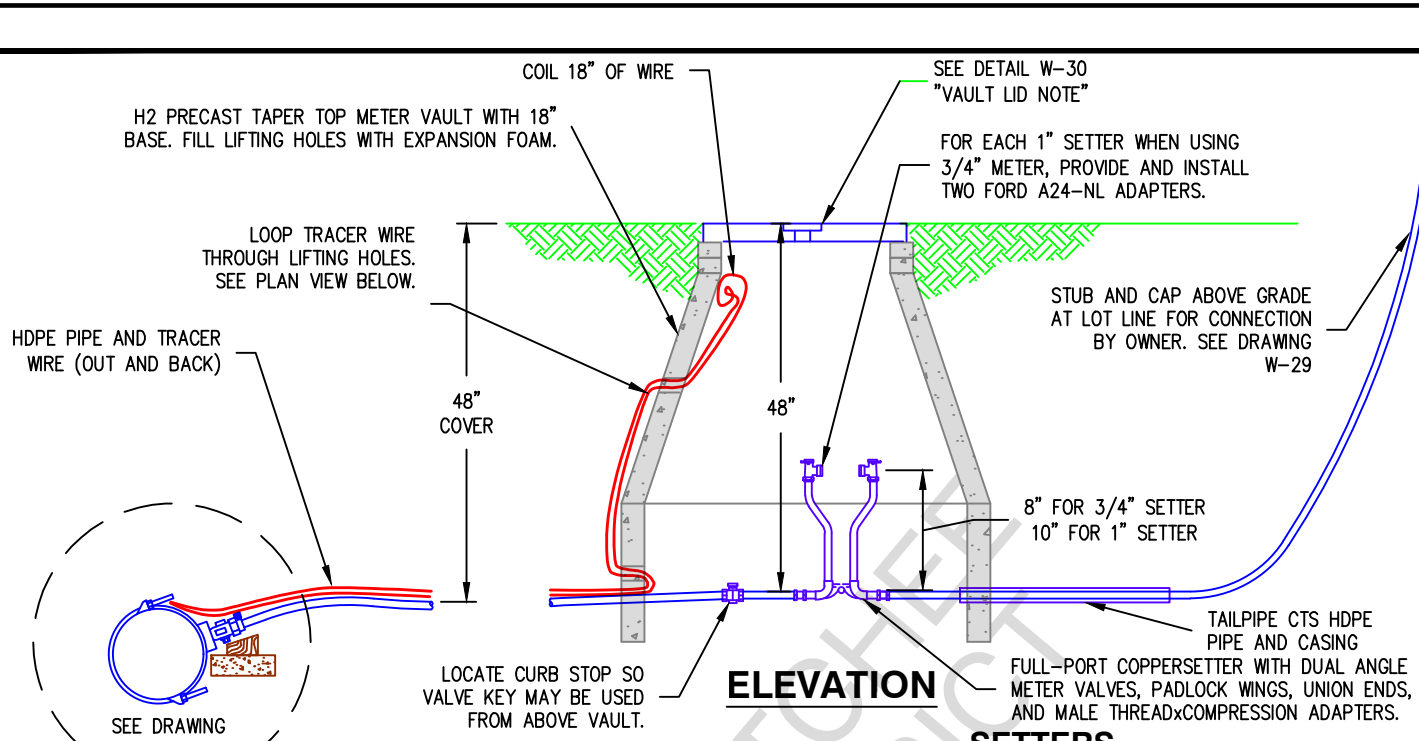


East Wenatchee Water District
CONSTRUCTION STANDARD DETAIL

WATER SERVICE, AIR VALVE, BLOW OFF VAULT INSTALLATION DETAILS

FILENAME: EWDTW3
REVISED: DEC 21, 2021

DRAWING No. W-29
SHEET No. 17

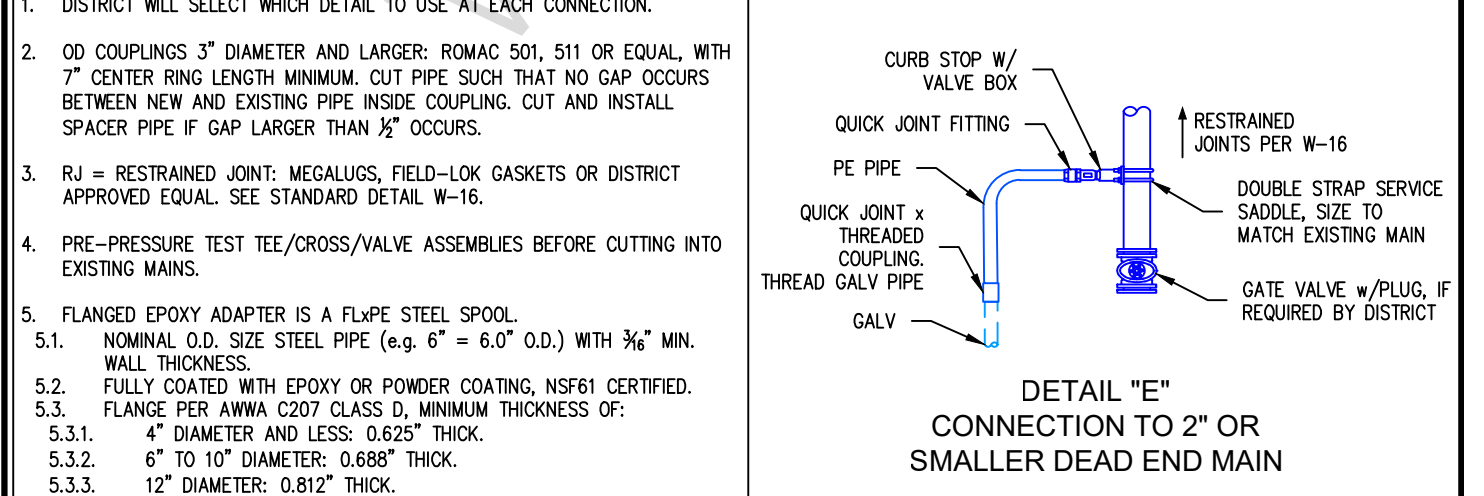
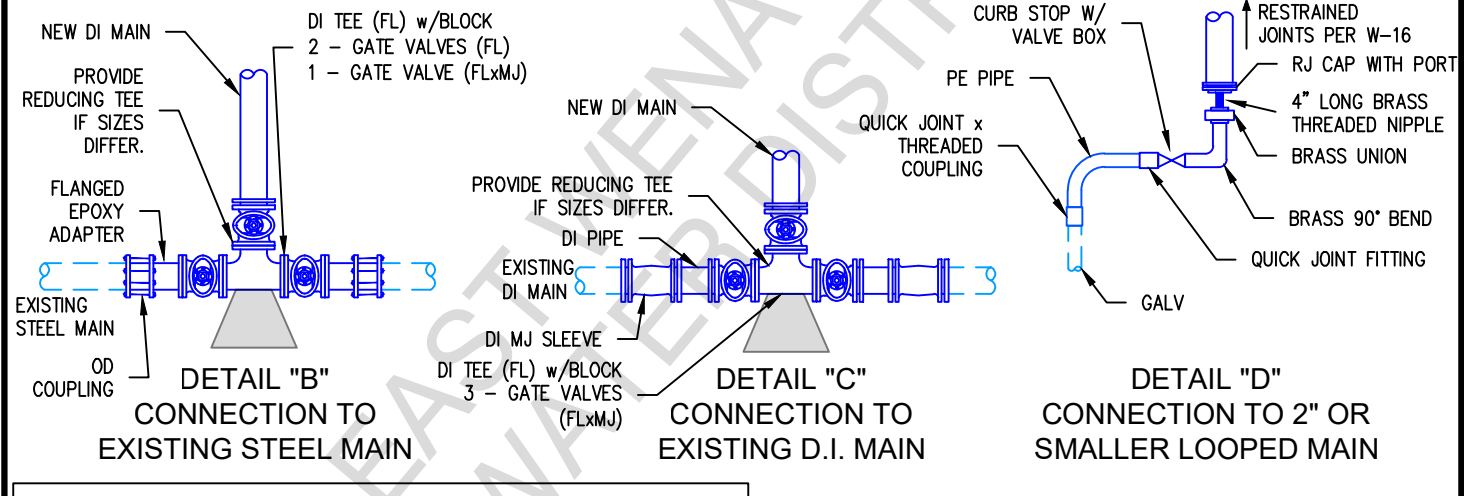
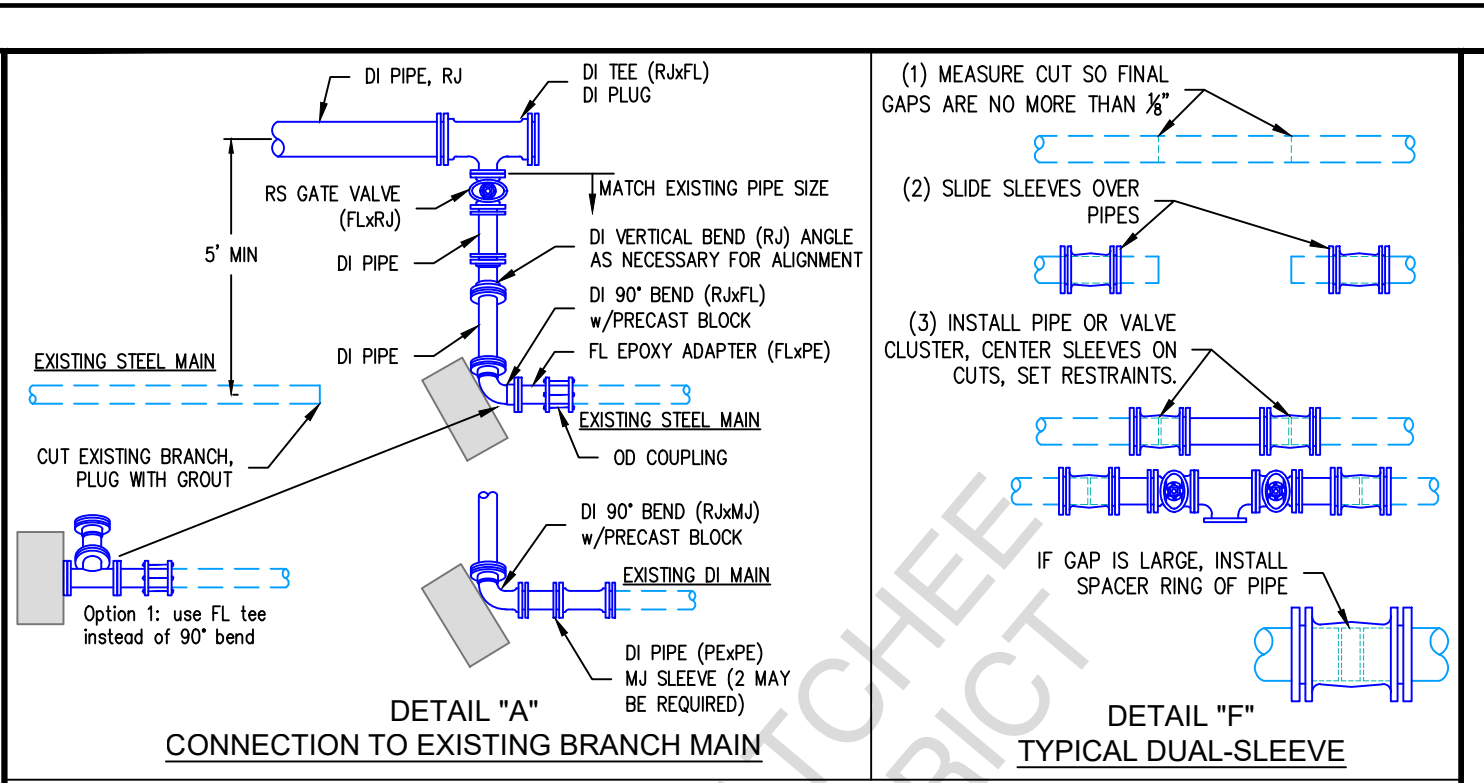


East Wenatchee Water District
CONSTRUCTION STANDARD DETAIL

3/4" AND 1" SINGLE AND DOUBLE WATER SERVICES

FILENAME: EWDTW26
REVISED: FEB 10, 2023

DRAWING No. W-21
SHEET No. 18

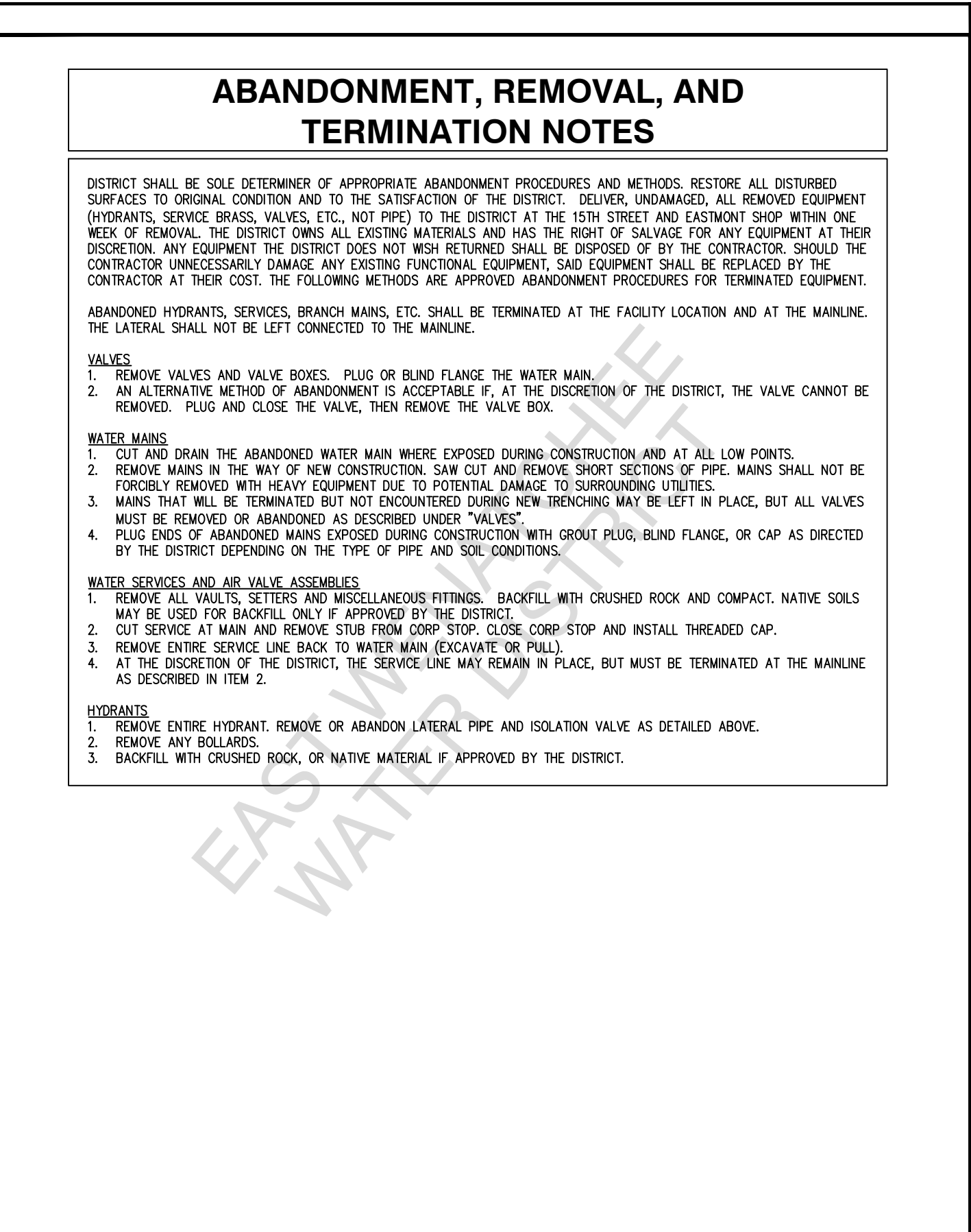


East Wenatchee Water District
CONSTRUCTION STANDARD DETAIL

CONNECTIONS TO EXISTING MAINS

FILENAME: EWDTW28
REVISED: JUN 11, 2025

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SHEET No. 27

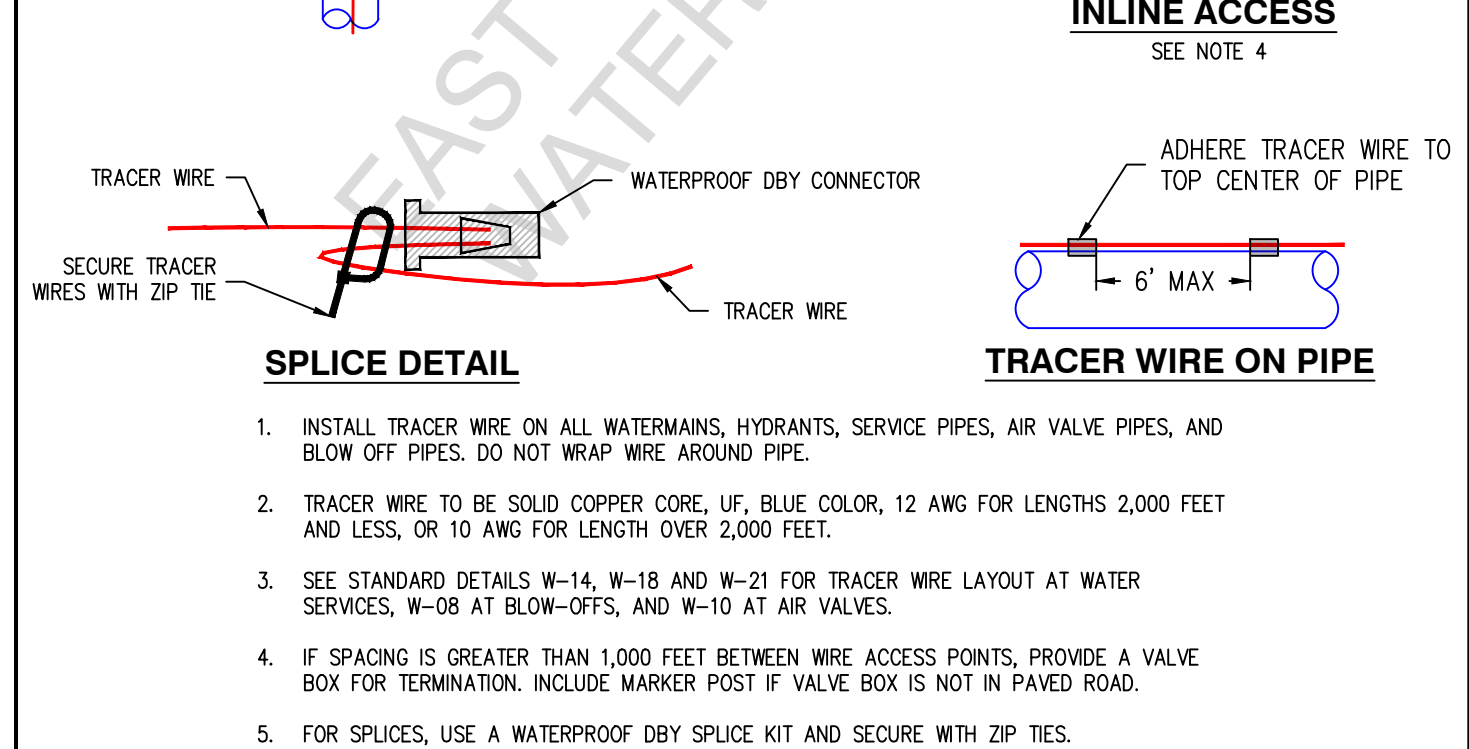
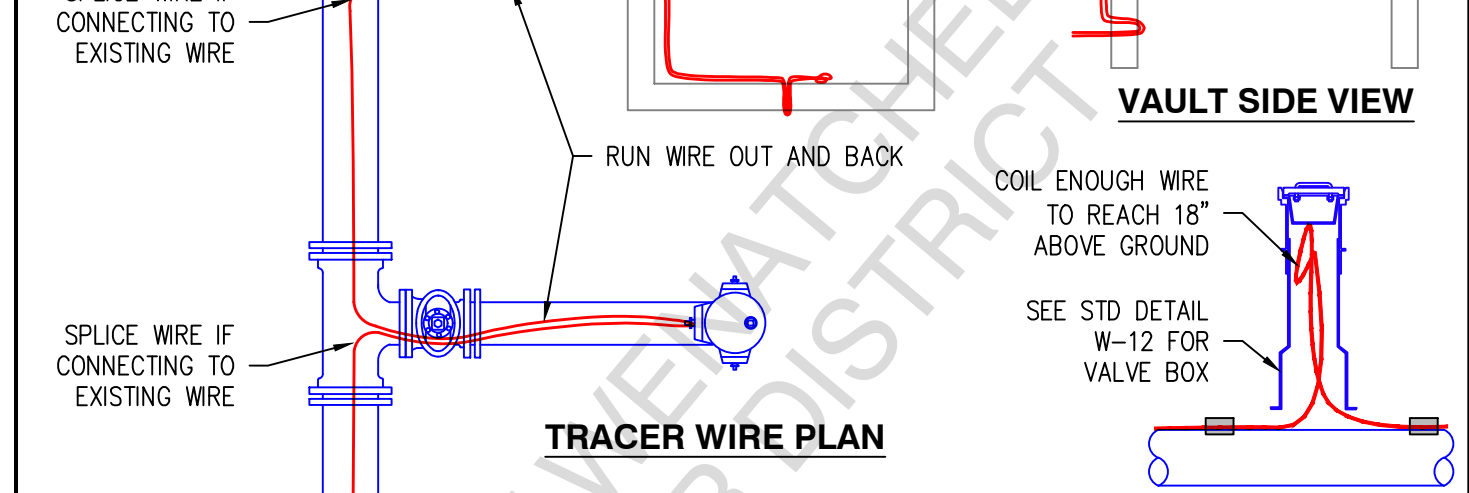
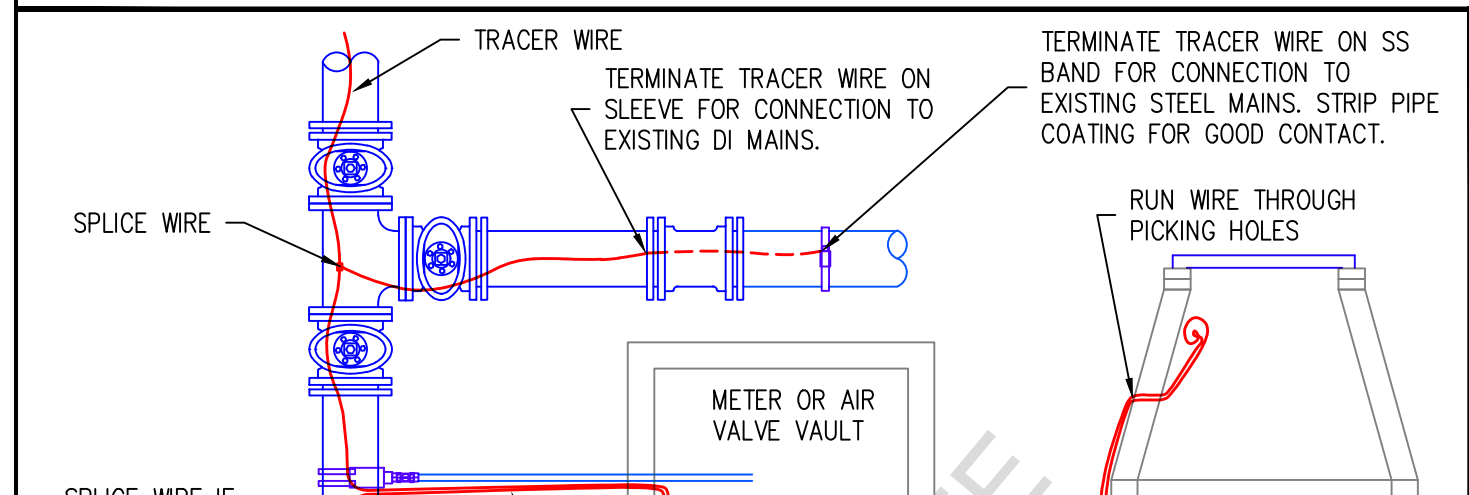


East Wenatchee Water District
CONSTRUCTION STANDARD DETAIL

ABANDONMENT AND REMOVAL OF TERMINATED FACILITIES

FILENAME: EWDTW29
REVISED: JAN 7, 2020

DRAWING No. W-15
SHEET No. 28

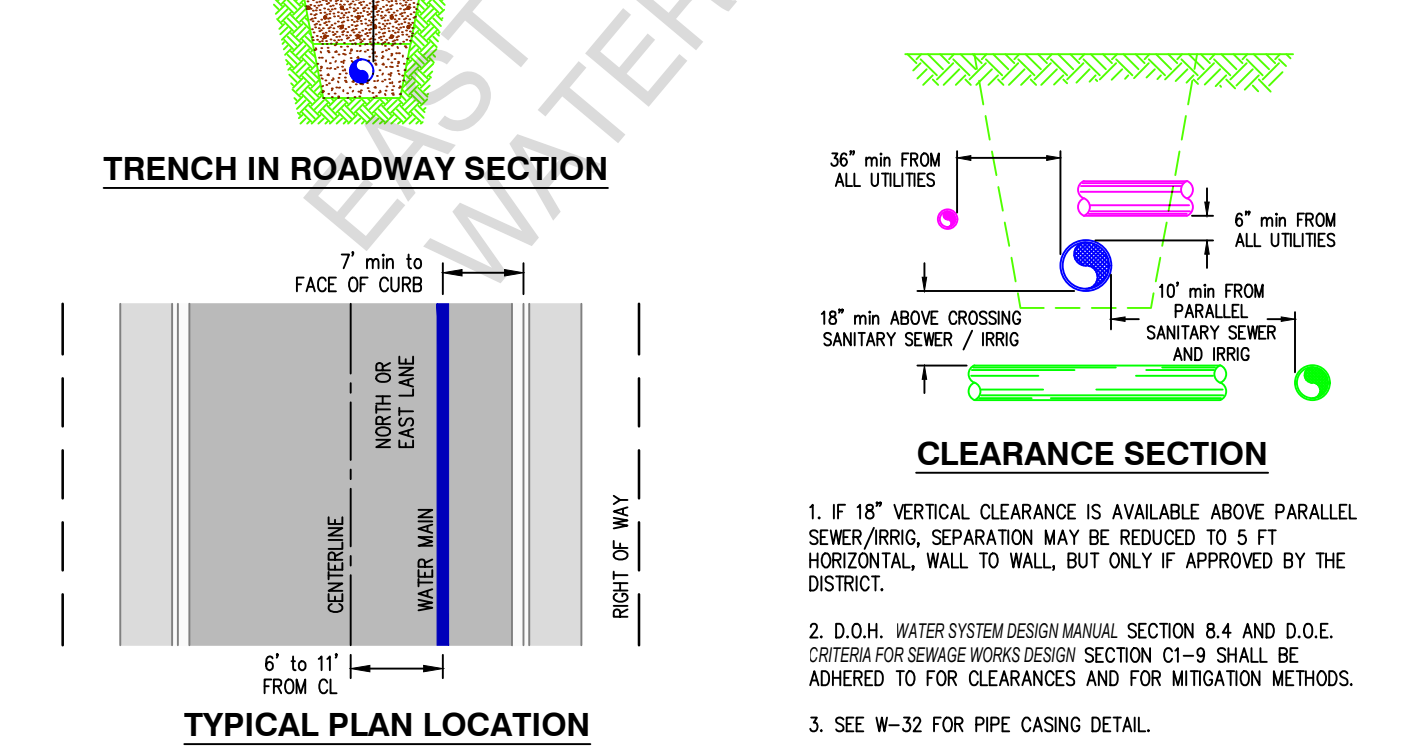
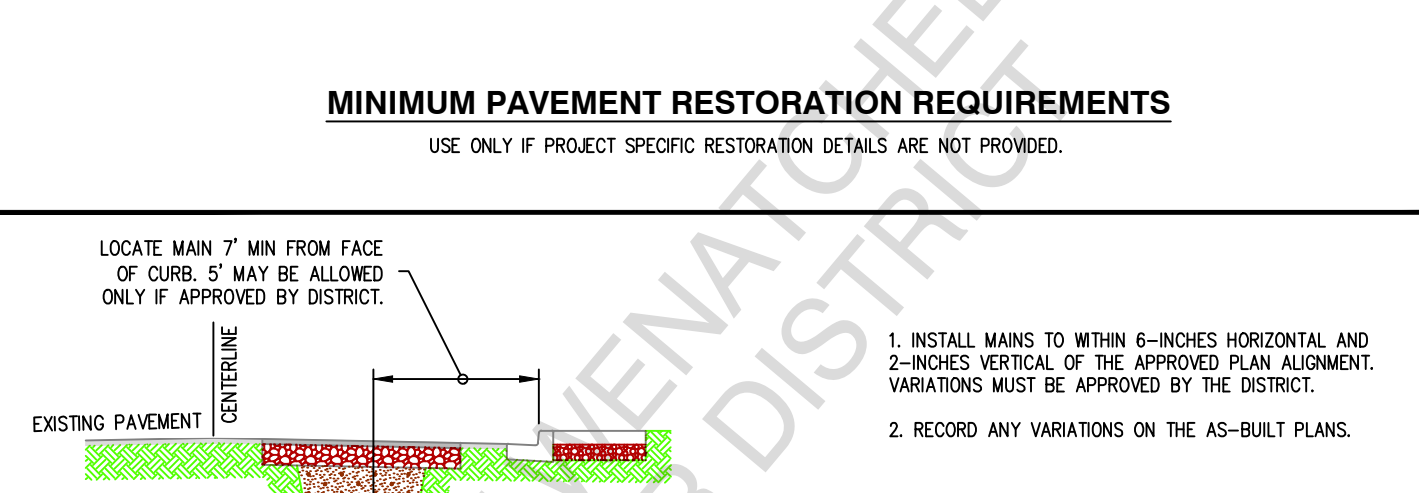
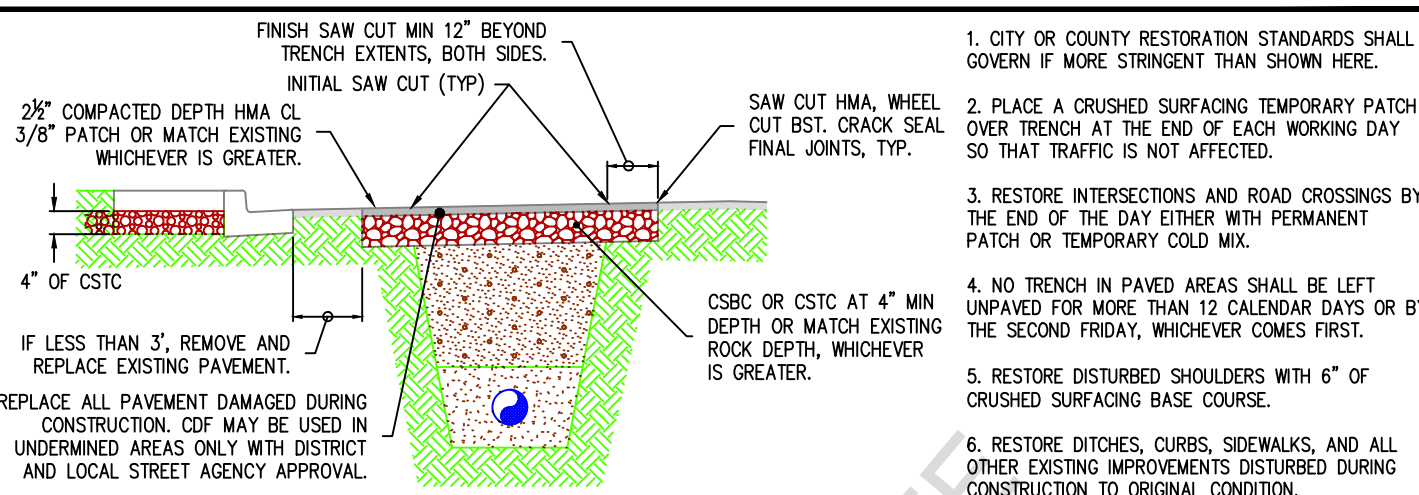


East Wenatchee Water District
CONSTRUCTION STANDARD DETAIL

TRACER WIRE

FILENAME: EWDTW31
REVISED: DEC 21, 2021

DRAWING No. W-31
SHEET No. 29



East Wenatchee Water District
CONSTRUCTION STANDARD DETAIL

WATER MAIN LOCATION TRENCH RESTORATION

FILENAME: EWDTW34
REVISED: OCT 7, 2025

DRAWING No. W-34
SHEET No. 31



DATE	NO.	DESCRIPTION	BY	REVIEW

SCALE: SHOWN

DRAWING IS FULL SCALE WHEN BAR MEASURES 2"

DWG NO.: D02

SHEET NO.: 21

TOTAL SHEETS: 22