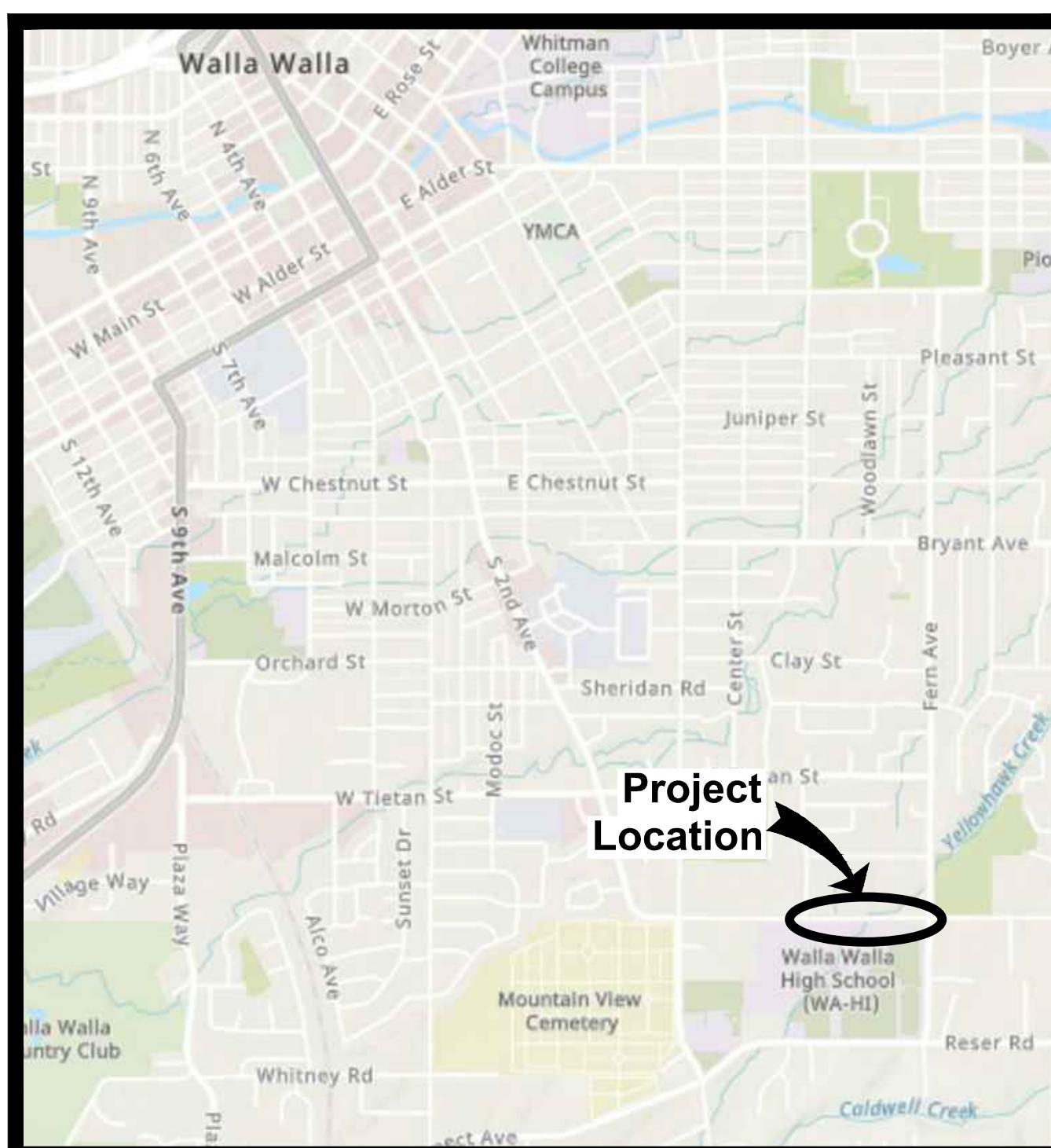
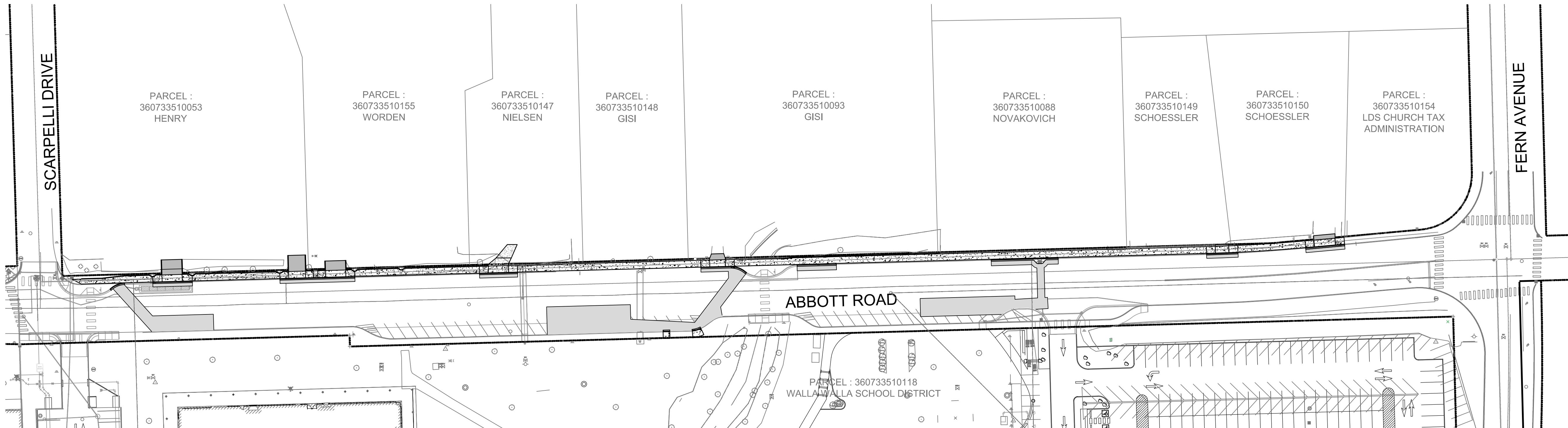


WALLA WALLA COUNTY PUBLIC WORKS

ABBOTT ROAD SIDEWALK AND STORMWATER IMPROVEMENTS

LOCATED IN SEC. 33, T.7 N., R.36 E., W.M.



VICINITY MAP
NOT TO SCALE

PROJECT BENCHMARK:

BASIS OF BEARINGS:
N88°26'39"E BETWEEN THE 1/4" PIN IN 2" PIPE IN CASE AT THE CENTER OF THE NORTHWEST QUARTER OF SECTION 33 AND THE 1/4" REBAR SET AT SURFACE AT THE NORTH CENTER CORNER OF SECTION 33
CITY OF WALLA WALLA GIS WHICH IS BASED ON WASHINGTON COORDINATE SYSTEM SOUTH ZONE US SURVEY FEET NAD 83 2011 EPOCH 2010.

VERTICAL DATUM:
CITY OF WALLA WALLA GIS NGVD 1988
CONTOURS SHOWN HEREON WERE DERIVED FROM FIELD DATA COLLECTED USING RTK GPS AND TRIMBLE S6 ROBOTIC TOTAL STATION.

WALLA WALLA COUNTY PUBLIC WORKS DETAIL STATEMENT:

ALL MATERIALS AND METHODS OF CONSTRUCTION AND INSTALLATION FOR STREET FACILITIES AND EROSION CONTROL MEASURES, SHALL CONFORM TO WALLA WALLA COUNTY PUBLIC WORKS "CONTY ROAD DESIGN STANDARDS." CONSTRUCTION SHALL BE AS PER THE MOST CURRENT STANDARD DETAIL CONTAINED THEREIN.

INADVERTENT DISCOVERY

IN THE EVENT ANY ARCHAEOLOGICAL OR HISTORIC MATERIALS ARE ENCOUNTERED DURING PROJECT ACTIVITY, WORK IN THE IMMEDIATE AREA (INITIALLY ALLOWING FOR A 100' BUFFER; THIS NUMBER MAY VARY BY CIRCUMSTANCE) MUST STOP AND THE FOLLOWING ACTIONS TAKEN:

1. IMPLEMENT REASONABLE MEASURES TO PROTECT THE DISCOVERY SITE, INCLUDING ANY APPROPRIATE STABILIZATIONS OR COVERING; AND,
2. TAKE REASONABLE STEPS TO INSURE THE CONFIDENTIALITY OF THE DISCOVERY SITE; AND,
3. TAKE REASONABLE STEPS TO RESTRICT ACCESS TO THE SITE OF DISCOVERY.

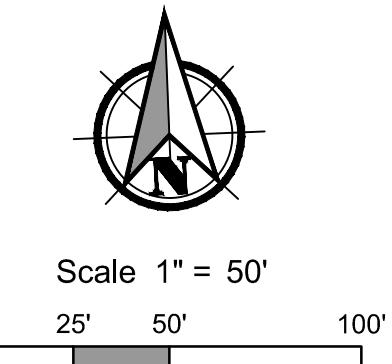
THE PROJECT PROONENT WILL NOTIFY THE CONCERNED TRIBES AND ALL APPROPRIATE COUNTY, STATE, AND FEDERAL AGENCIES, INCLUDING THE DEPARTMENT OF ARCHAEOLOGY & HISTORIC PRESERVATION. THE AGENCIES AND TRIBE(S) WILL DISCUSS POSSIBLE MEASURES TO REMOVE OR AVOID CULTURAL MATERIAL, AND WILL REACH AN AGREEMENT WITH THE PROJECT PROONENT REGARDING ACTIONS TO BE TAKEN AND DISPOSITION OF MATERIAL.

IF ANY CULTURAL RESOURCES OR HUMAN REMAINS ARE DISCOVERED IN THE COURSE OF UNDERTAKING THE DEVELOPMENT ACTIVITY, THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY & HISTORIC PRESERVATION (DAHP) OFFICE SHALL BE NOTIFIED. FAILURE TO COMPLY WITH STATE REQUIREMENTS MAY RESULT IN CRIMINAL PENALTIES.

Sheet Index		
Sheet No.	Sheet ID	Description
1	G001	COVER SHEET
2	G002	SUMMARY OF QUANTITIES
3	G003	LEGEND
4	C001	EXISTING CONDITIONS
5	C101	EROSION CONTROL AND SITE PREPARATION PLAN
6	C102	EROSION CONTROL AND SITE PREPARATION PLAN
7	C201	SIDEWALK AND DRIVEWAY IMPROVEMENT PLAN
8	C202	SIDEWALK AND DRIVEWAY IMPROVEMENT PLAN
9	C203	SIDEWALK AND DRIVEWAY IMPROVEMENT PLAN
10	C301	COUNTY STANDARD DETAILS
11	C302	CITY STANDARD DETAILS
12	C303	WSDOT DETAILS
13	C304	WSDOT DETAILS
14	C305	WSDOT DETAILS
15	C306	MISCELLANEOUS DETAILS
16	C307	MISCELLANEOUS DETAILS
17	C308	STORMWATER GALLERY DETAILS
18	C309	STORMWATER GALLERY DETAILS
19	T1	TRAFFIC CONTROL PLAN FULL ROAD CLOSURE
20	T2	TRAFFIC CONTROL PLAN LANE CLOSURE WITH FLAGGERS

CONTACT INFO:

Owner/Applicant:
Walla Walla Public Works
990 Navion Ln.
Walla Walla, WA 99362
County Engineer
Seth Walker, PE
swalker@co.walla-walla.wa.us
(509)524-2710



Contact/Engineer:
PBS Engineering and Environmental
5 North Colville St, Suite 200
Walla Walla, WA 99362
PROJECT MANAGER
Joseph M. Melder, PE
michael.melder@pbsusa.com
(509) 956-3026
PROJECT ENGINEER
Michael Barta, PE
michael.barta@pbsusa.com
(360) 567-2106

Surveyor:
PBS Engineering and Environmental
5 N Colville St, Ste 200
Walla Walla, WA 99362
Greg Flowers, PLS
greg.flowers@pbsusa.com
(509) 956-3026

FINAL PLANS



PBS Engineering and Environmental Inc.
5 N Colville St, Ste 200
Walla Walla, WA 99362
509.956.3026
pbsusa.com

JUNE 2022

SHEET ID

G001

PBS Job# 57750.000

SHEET 1 OF 20

SUMMARY OF QUANTITIES

ITEM NO.	ITEM DESCRIPTION	PLAN QUANTITY	UNITS
SCHEDULE A			
PREPARATION			
1	MOBILIZATION	1	LS
2	CLEARING AND GRUBBING	0.08	ACRE
3	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1	LS
GRADING			
4	ROADWAY EXCAVATION INCLUDING HAUL	620	CY
5	UNSUITABLE FOUNDATION EXCAVATION INCL. HAUL	50	CY
DRAINAGE			
6	STORMWATER INFILTRATION GALLERIES	1	LS
STORM SEWER			
7	SHALLOW MANHOLE	1	EA
8	CATCH BASIN TYPE 1L	4	EA
9	CATCH BASIN TYPE 2	3	EA
10	CATCH BASIN TYPE 1	1	EA
11	SDR 35 PVC STORM SEWER PIPE 10 IN. DIAMETER	205	LF
CEMENT CONCRETE PAVEMENT			
12	CEMENT CONC. PAVEMENT	5	CY
SURFACING			
13	CRUSHED SURFACING BASE COURSE	405	CY
HOT MIX ASPHALT			
14	HMA CL 1/2 IN PG 64H-28	165	TON
EROSION CONTROL			
15	INLET PROTECTION	15	EACH
16	SILT FENCE	140	LF
TRAFFIC			
17	CEMENT CONC. TRAFFIC CURB AND GUTTER	355	LF
18	CEMENT CONC. PEDESTRIAN CURB	90	LF
19	PROJECT TEMPORARY TRAFFIC CONTROL	1	LS
20	PERMANENT SIGNING	1	LS
OTHER			
21	ROADWAY SURVEYING	1	LS
22	TRENCH SAFETY SYSTEM	390	LF
23	PLUGGING EXISTING PIPE	2	EA
24	CEMENT CONC. SIDEWALK	610	SY
25	THICKENED CEMENT CONC. SIDEWALK WITH THICKENED EDGE	17	SY
26	CEMENT CONC. DRIVEWAY RESIDENTIAL	6	EA
27	CEMENT CONC. CURB WALL	300	LF
28	IRRIGATION SYSTEM	1	LS
29	MAILBOX SUPPORT TYPE 1	8	EA
30	COATED CHAIN LINK FENCE TYPE 3	145	LF
31	COATED END, GATE, CORNER, PULLPOST FOR CHAIN LINK FENCE	2	EA
32	SPCC PLAN	1	LS
33	MINOR CHANGE	1	DOL
SCHEDULE B			
OTHER			
1B	ADJUST WATER METER BOX TO GRADE AND PLACE 3/8" PRE-MOLDED JOINT FILLER	4	EA
2B	DOUBLE WRAP WATER MAIN AND ENCASE IN CDF	2	EA

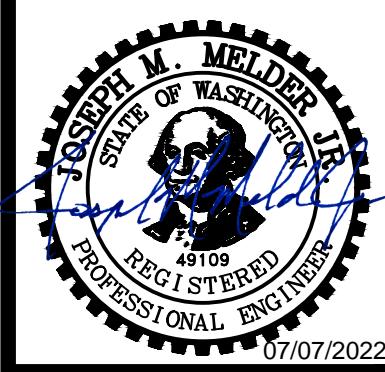


ABBOTT ROAD SIDEWALK AND STORMWATER IMPROVEMENTS A SITE LOCATED IN WALLA WALLA COUNTY, WASHINGTON

SUMMARY OF QUANTITIES FOR:



Know what's below.
Call before you dig.



DESIGNED:
MDB/KCS
CHECKED:
MDB

JUNE 2022
67750.000

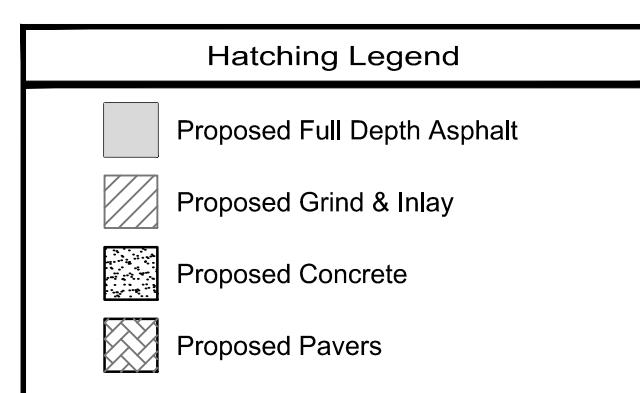
SHEET ID

G002

2 OF 20

FINAL PLANS

Existing Linetype Legend		Proposed/Future Linetype Legend	
Existing Sanitary Sewer Pipe	—SS—SS—SS	Proposed Sanitary Sewer Pipe	—
Existing 4" Sanitary Sewer Pipe	—4" SS—4" SS—	Proposed Sanitary Lateral	—
Existing 6" Sanitary Sewer Pipe	—6" SS—6" SS—	Proposed Sanitary Force Main	—
Existing 8" Sanitary Sewer Pipe	—8" SS—8" SS—	Proposed Storm Under Drain	—
Existing 10" Sanitary Sewer Pipe	—10" SS—10" SS—	Proposed Storm Rain Drain	—
Existing 12" Sanitary Sewer Pipe	—12" SS—12" SS—	Proposed Storm Pipe	—
Existing 15" Sanitary Sewer Pipe	—15" SS—15" SS—	Proposed Water Lateral	—
Existing 18" Sanitary Sewer Pipe	—18" SS—18" SS—	Proposed Water Pipe	—
Existing 24" Sanitary Sewer Pipe	—24" SS—24" SS—	Proposed Irrigation Pipe	—
Existing 30" Sanitary Sewer Pipe	—30" SS—30" SS—	Proposed Irrigation Lateral	—
Existing Sanitary Force Main	—FM—FM—FM—	Proposed Lot Line	—
Existing Storm Sewer Pipe	—SD—SD—SD—	Proposed Flow Line	→—→—→—→—→—
Existing 4" Storm Sewer Pipe	—4" SD—4" SD—	Proposed Centerline	—
Existing 6" Storm Sewer Pipe	—6" SD—6" SD—	Proposed Right-of-way	—
Existing 8" Storm Sewer Pipe	—8" SD—8" SD—	Proposed Sawcut Line	—
Existing 10" Storm Sewer Pipe	—10" SD—10" SD—	Proposed Easement	—
Existing 12" Storm Sewer Pipe	—12" SD—12" SD—	Proposed Curb & Gutter	—
Existing 15" Storm Sewer Pipe	—15" SD—15" SD—	Proposed End Of Pav't	—
Existing 18" Storm Sewer Pipe	—18" SD—18" SD—	Proposed Sidewalk	—
Existing 24" Storm Sewer Pipe	—24" SD—24" SD—	Proposed Wall	—
Existing Water Pipe	—WL—WL—WL—	Proposed Building	—
Existing 4" Water Pipe	—4" WL—4" WL—	Proposed Setback	—
Existing 6" Water Pipe	—6" WL—6" WL—	Proposed Property Line	—
Existing 8" Water Pipe	—8" WL—8" WL—	Proposed Cut Line	—
Existing 10" Water Pipe	—10" WL—10" WL—	Proposed Tree Protection	—○—○—○—○—○—○—○—
Existing 12" Water Pipe	—12" WL—12" WL—	Proposed Paint Stripe	—
Existing 15" Water Pipe	—15" WL—15" WL—	Proposed Fence	—X—X—X—X—X—X—
Existing 18" Water Pipe	—18" WL—18" WL—	Proposed Wetland Buffer	—
Existing 24" Water Pipe	—24" WL—24" WL—	Proposed Wetland Perimeter	————
Existing Water Lateral	—	Proposed Contour	—70—
Existing Irrigation Pipe	—IRR—IRR—IRR—	Erosion Control Filter Fabric Fence	—X—X—X—X—X—
Existing 4" Irrigation Pipe	—4" IRR—4" IRR—		
Existing 6" Irrigation Pipe	—6" IRR—6" IRR—		
Existing 8" Irrigation Pipe	—8" IRR—8" IRR—		
Existing 10" Irrigation Pipe	—10" IRR—10" IRR—		
Existing 12" Irrigation Pipe	—12" IRR—12" IRR—		
Existing Irrigation Lateral	—		
Existing Cable Tv Line	—TV—TV—TV—		
Existing Electric Line	—E—E—E—E—		
Existing Gas Line	—G—G—G—G—		
Existing Over Head Power Line	—OHP—OHP—OHP—		
Existing Telephone Line	—T—T—T—T—		
Existing Fiber Optic Line	—FO—FO—FO—		
Existing Underground Utility Line	—UGP—UGP—UGP—		
Existing Centerline	—		
Existing Curb	—		
Existing Lot Line	—		
Existing Gravel road	—		
Existing Flow Line	→—→—→—→—→—		
Existing Paint Stripe	—		
Existing Right-of-way	—		
Existing Building	—		
Existing Wetland Perimeter	—		
Existing Wetland Buffer	—		
Existing Property Line	—		
Existing Utility Easement	—		
Existing Quarter Section	—		
Existing Railroad			
Existing Fence	—X—X—X—X—X—		
Existing Wall	—		
Existing Contour	—		—70—



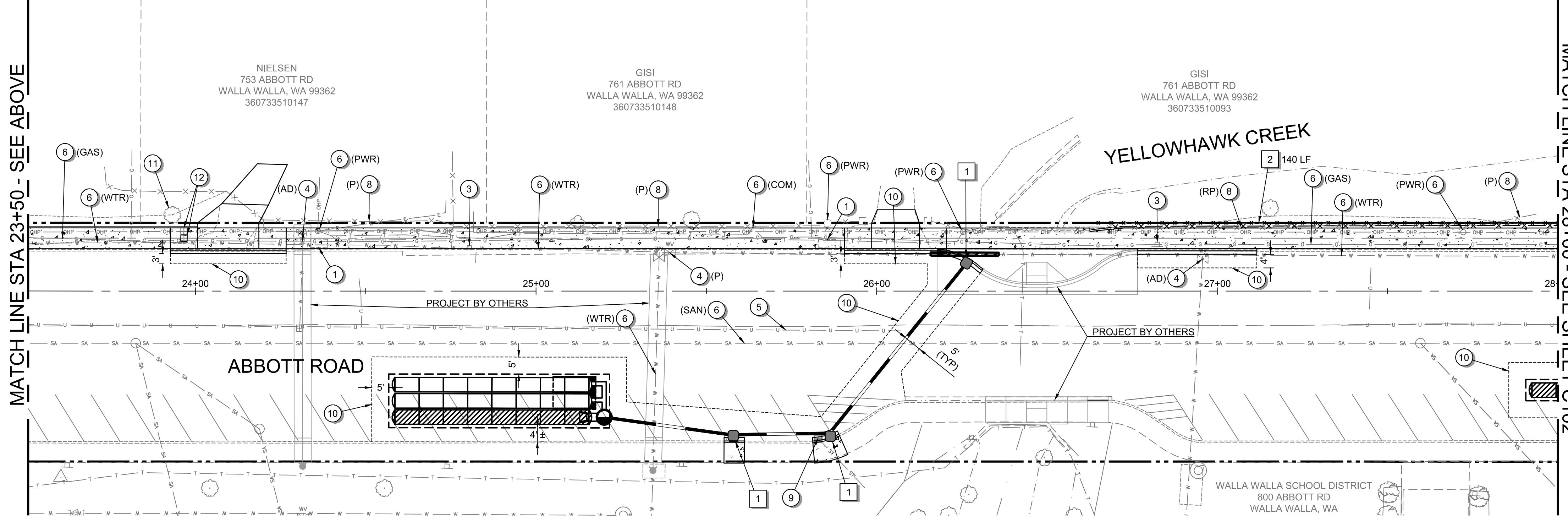
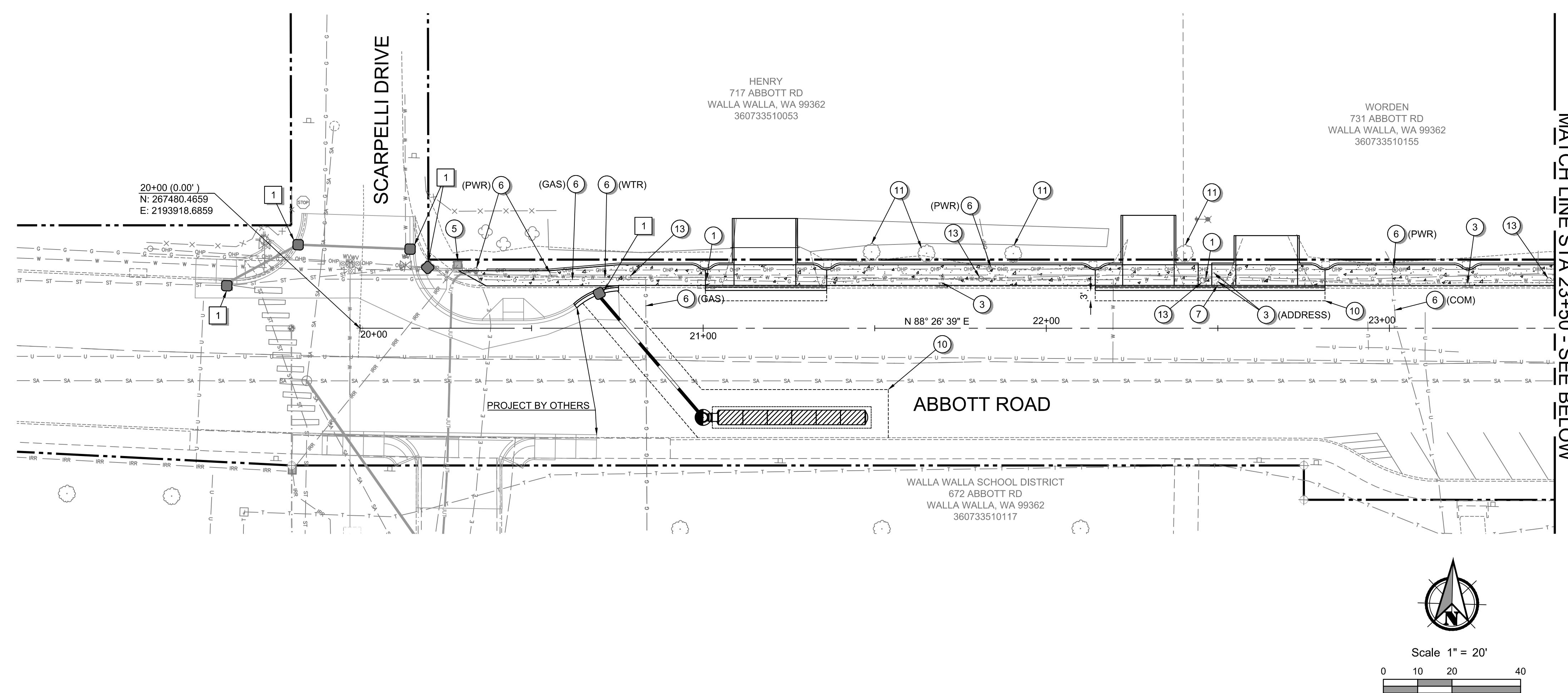
Abbreviation Legend		Abbreviation Legend	
Acres	AC	High Water Elevation	HW
Assembly	ASS'Y	Hydrant	HYD
Avenue	AVE	Invert Elevation	IE
Approved	APP'D	Intersection	INTX
Butterfly	BF	Invert	INV
Boulevard	BLVD	Length	L
Benchmark	BM	Lateral	LAT
Blow Off	BO	Left	LT
Back Of Curb	BOC	Maximum	MAX
Begin Vertical Curve	BVC	Manhole	MH
Care Of	C/O	Minimum	MIN
Catch Basin	CB	Mechanical Joint	MJ
Cubic Feet	CF	Number	No. or #
Cast Iron	CI	Overhead Electric	OHE
Cement	CEM	Pavement	PAV'T
Circle	CIR	Point Of Curve	PC
Centerline	C	Power Pole	PP
Corrugated Metal Pipe	CMP	Point Of Reverse Curve	PRC
Cleanout	CO	Point Of Reverse Vertical Curve	PRVC
Combination	COMB	Point Of Tangent	PT
Compaction	COMP	Point Of Vertical Intersection	PVI
Concrete	CONC	Polyvinyl Chloride	PVC
Construction	CONST	Place	PL
Corrugated Polyethylene	CPE	Radius	R
Concrete Sewer Pipe	CSP	Right Of Way	R/W
Court	CT	Return	RET
Cubic Yard	CY	Right	RT
Cement	CEM	Sheet	SHT
Depth	D	Stainless Steel	SS
Ductile Iron	DI	Steel	STL
Diameter	DIA	Sidewalk	S/W
Ductile Iron Pipe	DIP	Street	ST
Down Spout	DS	Station Centerline	STA
Edge Of Pavement	EOP	Standard	STD
End Curb Return	ER	Sanitary	SAN
Easement	ESMT	Storm	STM
Existing	EXTG	Tangent	T
Elevation	EL	Thrust Block	TB
Electric	ELEC	Temporary Benchmark	TBM
End Vertical Curb	EVC	Top Of Curb	TC
Finished Floor	FF	Telephone	TEL
Finished Grade	FG	Temporary	TEMP
Fire Hydrant	FH	Top Of Manhole	TOP
Flange	FLG	Typical	TP
Force Main	FM	Underground Electric	UGE
Foot / Feet	FT	Vertical Curve	VC
Gas	G	Vertical	VERT
Galvanized Iron	GI	Water	WTR
Ground	GRD	With	W/
Gate Valve	GV	Without	W/O
High Density Polyethylene	HDPE	Water Meter	WM
Horizontal	HORIZ	Yard	YD

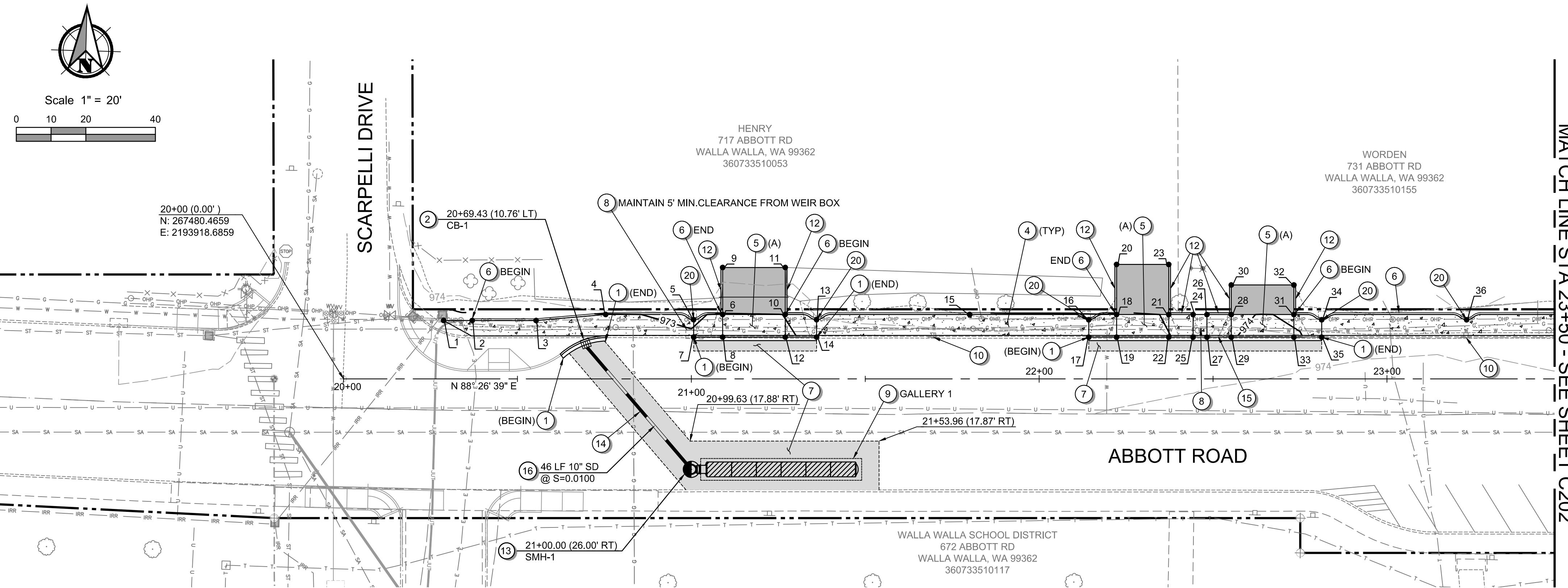
Symbol Legend		Symbol Legend	
Existing Water Valve	WV	Proposed Irrigation Meter	□
Existing Gas Valve	GV	Proposed Irrigation Backflow Device	■
Existing Fire Hydrant	FH	Proposed Irrigation Valve	■
Existing Power Pole	PP	Proposed Irrigation Bend Tee W/valve	■
Existing Water Meter	WM	Proposed Irrigation Bend Tee W/tb	■
Existing Electrical Pedestal	EP	Proposed Water 22½" Bend W/tb	■
Existing Project Bench Mark	PBM	Proposed Water 11¼" Bend W/tb	■
Existing Iron Rod	IR	Proposed Irrigation 45° Bend W/tb	■
Existing Sanitary Manhole	SM	Proposed Irrigation 90° Bend W/tb	■
Existing Storm Manhole	SM	Proposed Irrigation Stand Pipe	■
Existing Catch Basin	CB	Proposed Irrigation Bend X	■
Existing Area Drain	AD	Proposed Irrigation Temporary Blowoff	■
Existing Combo Inlet	CI	Proposed Irrigation Standard Blowoff	■
Existing Telephone Pad	TP	Proposed Irrigation Reducer	▶
Existing Cleanout	CO	Proposed Irrigation Thrust Block	▶
Existing Flow Arrow	FA	Proposed Inlet Protection Pillow	■
Proposed Bollard	OB	Proposed Gravel Construction Entrance	■
Proposed Street Light	SL	Proposed Sedimentation Trap	■
Proposed Road Barrier	RB		
Proposed Road Sign	RS		
Proposed Flow Arrow	FA		
Proposed Catch Basins	CB		
Proposed Area Drain	AD		
Proposed Combination Curb Inlet	CCI		
Proposed Storm Reducer	SR		
Proposed Rain Drain	RD		
Proposed Storm Cleanout	SC		
Proposed Storm Manhole	SM		
Proposed Sedimentation Manhole	SM		
Proposed Drywell	DW		
Proposed Sanitary Cap	SC		
Proposed Sanitary Reducer	SR		
Proposed Sanitary Cleanout	SC		
Proposed Sanitary Manhole	SM		
Proposed Fire Protection Vault	FPV		
Proposed Water Meter	WM		
Proposed Water Backflow Device	WBD		
Proposed Water Valve	WV		
Proposed Water Bend Tee W/valve	WTB		
Proposed Water 22½" Bend W/tb	W2B		
Proposed Water 11¼" Bend W/tb	W1B		
Proposed Water 45° Bend W/tb	W45B		
Proposed Water 90° Bend W/tb	W90B		
Proposed Water Stand Pipe	WSP		
Proposed Water Bend X	WBX		
Proposed Water Temporary Blowoff	WTB		
Proposed Water Standard Blowoff	WSB		
Proposed Water Reducer	WR		
Proposed Water Thrust Block	WTB		
Proposed Fire Hydrant	FH		

FINAL PLANS
G003

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GRADING TABLE					
POINT	STATION OFFSET	FG EL	TC EL	NOTES	
1	20+28.79, 16.77' LT	972.91	972.91	MATCH EG	
2	20+37.00, 16.77' LT	972.70	973.63	TC=TCW	
3	20+55.36, 16.77' LT	972.76	973.63	TC=TCW	
4	20+75.36, 18.50' LT	972.93	973.63	TC=TCW	
5	21+00.66, 17.00' LT	973.08	973.63	TC=TCW	
6	21+09.00, 18.50' LT	972.76	973.63	TC=TCW	
7	21+00.66, 12.00' LT	972.51	973.01	MATCH EG	
8	21+09.00, 12.00' LT	972.67	972.67		
9	21+09.00, 32.00' LT	974.38	974.38	MATCH EG	
10	21+27.00, 18.50' LT	972.91	974.59	TC=TCW	
11	21+27.00, 32.00' LT	974.29	974.29	MATCH EG	
12	21+27.00, 12.00' LT	972.82	972.82		
13	21+36.00, 17.00' LT	973.41	974.59	TC=TCW	
14	21+36.00, 12.00' LT	972.84	973.34	MATCH EG	
15	21+80.00, 18.50' LT	973.74	974.59	TC=TCW	
16	22+14.25, 17.00' LT	973.96	974.59	TC=TCW	
17	22+14.25, 12.00' LT	973.39	973.89	MATCH EG	
18	22+22.25, 18.50' LT	973.61	974.59	TC=TCW	

NOTES:
TC = TOP OF CURB
TCW = TOP OF CURB WALL

GRADING TABLE					
POINT	STATION OFFSET	FG EL	TC EL	NOTES	
19	22+22.25, 12.00' LT	973.52	973.52		
20	22+22.25, 32.90' LT	975.33	975.33	MATCH EG	
21	22+37.25, 18.50' LT	973.82	974.32		
22	22+37.25, 12.00' LT	973.73	973.73		
23	22+37.25, 32.90' LT	975.59	975.59	MATCH EG	
24	22+44.25, 18.50' LT	974.18	974.18		
25	22+44.25, 12.00' LT	973.59	974.09		
26	22+48.24, 18.50' LT	974.20	974.20		
27	22+48.24, 12.00' LT	973.61	974.11		
28	22+55.24, 18.50' LT	973.83	974.33		
29	22+55.24, 12.00' LT	973.74	973.74		
30	22+55.24, 27.00' LT	975.00	975.00	MATCH EG	
31	22+73.24, 18.50' LT	973.96	975.53	TC=TCW	
32	22+73.24, 27.00' LT	975.49	975.49	MATCH EG	
33	22+73.24, 12.00' LT	973.87	973.87		
34	22+81.24, 17.00' LT	974.37	975.53	TC=TCW	
35	22+81.24, 12.00' LT	973.80	974.30	MATCH EG	
36	23+22.90, 17.00' LT	974.40	975.53	TC=TCW	

STORM INLET TABLE						
#	LOCATION	TYPE	RIM/GRATE	INVERT ELEV	LATERAL SLOPE	LATERAL LENGTH
CB-1	20+69.43 (10.76' LT)	TYPE 1L	972.28	10" IE 968.90 OUT (SE)	S=0.0100	46 LF SD
SMH-1	21+00.00 (26.00' RT)	48" TYPE 2 CB	972.92	10" IE 968.44 IN (NW) 24" IE 968.24 OUT (E)	S=0.0000	4 LF SD

INFILTRATION GALLERY NOTES

CONTRACTOR TO EXCAVATE THE PERMANENT STORMWATER GALLERY WITHOUT ALLOWING HEAVY EQUIPMENT TO TRACK ON SUBGRADE OF INFILTRATION GALLERY. CONTRACTOR TO EXCAVATE FROM OUTSIDE OF GALLERY AREA OR TO BACK EQUIPMENT OUT AS EXCAVATING TO AVOID TRACKING EQUIPMENT ON BOTTOM 1' OF GALLERY. TYPICAL SOIL INSPECTION TO BE COORDINATED BY CONTRACTOR WITH PROJECT ENGINEER OF RECORD SUCH THAT INSPECTION OF SOILS OCCURS DURING GALLERY/SWALE CONSTRUCTION TO VERIFY CONSISTENT MATERIAL PER THE SOIL REPORT. IF ANY VARIATION IS NOTED IN NATIVE SOILS OR GROUNDWATER DEPTH, IT IS TO BE REPORTED TO THE OWNER IMMEDIATELY FOR APPROPRIATE DESIGN REVISIONS.

STORMWATER SOILS NOTES

CONTRACTOR SHALL COORDINATE SOILS OBSERVATIONS AND INFILTRATION TESTING WITH PROJECT ENGINEER OF RECORD PRIOR TO EXCAVATION OF STORMWATER DISPOSAL FACILITIES. RESULTS SHALL BE PROVIDED TO PBS IN WRITING PRIOR TO FINAL EXCAVATION AND INSTALLATION OF STORMWATER FACILITIES. IF ANY VARIATION IS NOTED IN NATIVE SOILS OR GROUNDWATER DEPTH, IT IS TO BE REPORTED TO THE OWNER IMMEDIATELY FOR APPROPRIATE DESIGN REVISIONS.

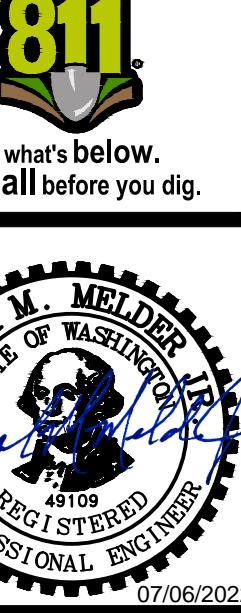
GENERAL NOTES

- SEE SHEET G001 AND G003 FOR GENERAL PROJECT NOTES AND THE MASTER LEGEND.
- DIMENSIONS SHOWN ARE TO FACE OF CURB WHERE APPLICABLE.
- CONCRETE SHALL BE WASHED OUT OFF SITE.
- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO WALLA WALLA COUNTY PUBLIC WORKS STANDARDS AND SPECIFICATIONS, UNLESS NOTED OTHERWISE.
- CONTRACTOR TO POTHOLE AND VERIFY LOCATION, ELEVATION, SIZE, MATERIAL, AND CONDITION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION OR CONNECTIONS. NOTIFY ENGINEER IMMEDIATELY IF DISCREPANCIES EXIST.
- CONTRACTOR TO INSPECT THE CONSTRUCTION OF OTHER PROJECTS COMPLETED IN THE VICINITY OF THIS PROJECT. NOTIFY ENGINEER IMMEDIATELY IF THERE ARE CONFLICTS.
- CONTRACTOR SHALL RELOCATE IRRIGATION SPRINKLERS IN R/W TO ADJACENT PROPERTY. IDENTIFY AND COORDINATE RELOCATION WITH COUNTY.
- ACCESSIBLE ROUTES SHALL HAVE RUNNING SLOPES NOT STEEPER THAN 1:20 AND CROSS SLOPES NOT STEEPER THAN 1:50 ON ANY LANDING PAD, MANEUVERING AREA, OR SIDEWALK. ACCESSIBLE RAMP SHALL HAVE RUNNING SLOPE NOT STEEPER THAN 1:12.
- WATER CHANNEL OPEN FROM APRIL 1ST TO OCTOBER 1ST. WATER MASTER: TIM DONAHEW.

CONSTRUCTION NOTES

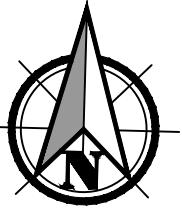
- TYPICAL CURB AND GUTTER PER WALLA WALLA CO STD DRAWING CG-01, SHEET C301.
- TYPICAL CURB AND GUTTER INLET PER WALLA WALLA CO STD DRAWING CG-02, SHEET C301. INSTALL OIL DEBRIS HOOD WITH RAVEN OWS-LP-4-15 OR ENGINEER APPROVED EQUAL.
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- REMOVE EXISTING BOLLARDS.
- SDR 35 PVC STORM PIPE.
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- SHALLOW MANHOLE PER CITY OF WALLA WALLA STANDARD PLAN 3-4, SHEET C306.
- REINSTALL EXISTING STORM PIPE TO MH-4 AT MINIMUM 1% SLOPE.
- THICKENED CEMENT CONC. SIDEWALK WITH THICKENED EDGE PER DETAIL, SHEET C307.

ABBOTT ROAD SIDEWALK AND STORMWATER IMPROVEMENTS
A SITE LOCATED IN WALLA WALLA COUNTY, WASHINGTON

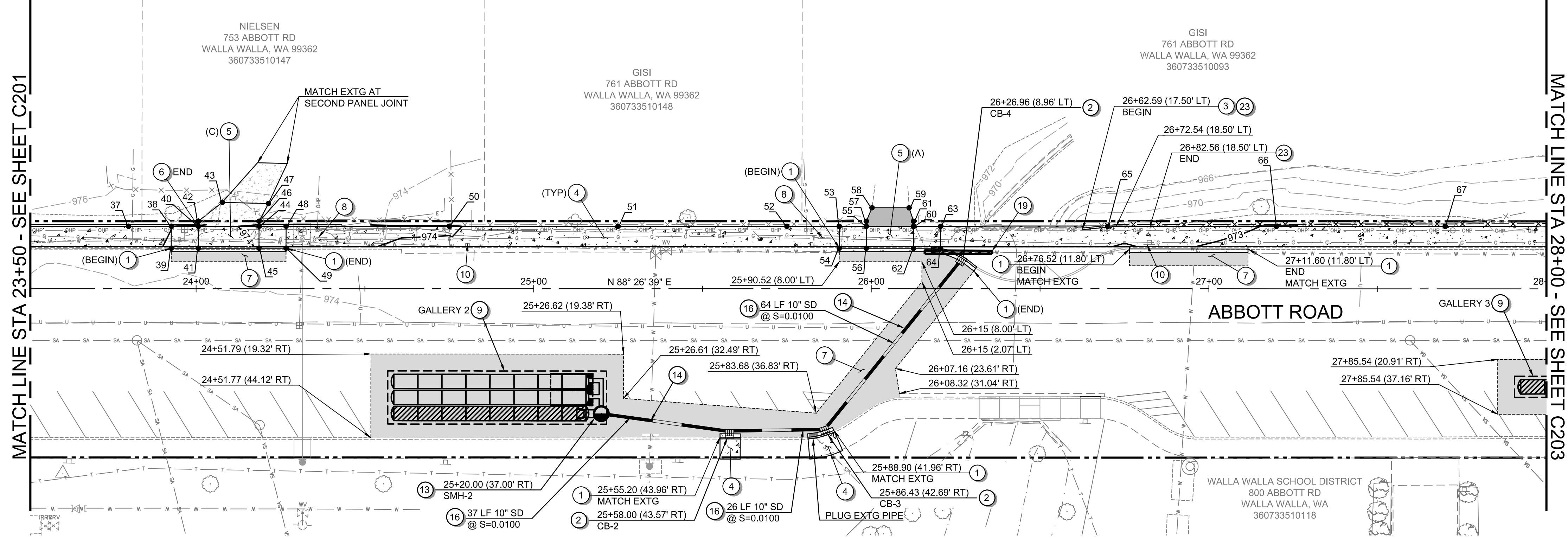


DESIGNED:
MDB/KCS
CHECKED:
MDB
JUNE 2022
67750.000
SHEET ID
C201
SHEET 7 OF 20

FINAL PLANS



Scale 1" = 20'
0 10 20 40



Aud Plot Date/Time: 7/5/2022 4:41:39 PM

User: Tripp Peters

Layout Tab: C202

File Name: L:\Projects\87000\6750\6750-000\Civil\Gdw\Working\Sheets\67750_C201 SIDEWALK.PLAN.dwg

GRADING TABLE				
POINT	STATION OFFSET	FG EL	TC EL	NOTES
37	23+80.00, 18.50' LT	974.31	975.53	TC=TCW
38	23+92.65, 18.50' LT	974.28	975.53	TC=TCW
39	23+92.65, 12.00' LT	973.69	974.19	MATCH EG
40	24+00.65, 18.50' LT	973.85	975.53	TC=TCW
41	24+00.65, 12.00' LT	973.76	973.76	
42	24+00.65, 20.00' LT	973.95	973.95	
43	24+07.76, 25.60' LT	973.95	973.95	
44	24+18.65, 18.50' LT	973.93	973.93	
45	24+18.65, 12.00' LT	973.84	973.84	
46	24+18.65, 20.00' LT	974.03	974.03	
47	24+21.43, 25.23' LT	974.20	974.20	
48	24+26.65, 18.50' LT	974.16	974.16	
49	24+26.65, 12.00' LT	973.57	974.07	MATCH EG
50	24+75.00, 18.50' LT	974.04	974.04	
51	25+25.00, 18.50' LT	973.95	973.95	
52	25+75.00, 18.50' LT	973.81	973.81	

NOTES:
TC = TOP OF CURB
TCW = TOP OF CURB WALL

GRADING TABLE				
POINT	STATION OFFSET	FG EL	TC EL	NOTES
53	25+90.52, 18.50' LT	973.77	973.77	
54	25+90.52, 12.00' LT	973.18	973.68	MATCH EG
55	25+98.52, 18.50' LT	973.31	973.31	
56	25+98.52, 12.00' LT	973.22	973.22	
57	25+98.52, 20.00' LT	973.28	973.28	
58	26+00.22, 24.00' LT	973.18	973.18	MATCH EG
59	26+11.20, 24.00' LT	973.18	973.18	MATCH EG
60	26+12.52, 18.50' LT	973.25	973.25	
61	26+12.52, 20.00' LT	973.22	973.22	
62	26+12.52, 12.00' LT	973.16	973.16	
63	26+20.52, 18.50' LT	973.60	973.60	
64	26+20.52, 12.00' LT	973.01	973.51	
65	26+70.00, 18.50' LT	973.31	973.31	
66	27+20.00, 18.50' LT	973.14	973.14	
67	27+70.00, 18.50' LT	972.86	972.86	

STORM INLET TABLE						
#	LOCATION	TYPE	RIM/GRATE	INVERT ELEV	LATERAL SLOPE	LATERAL LENGTH
CB-2	25+58.00 (43.57' RT)	TYPE 1L	972.85	10" IE 969.10 IN (E) 10" IE 968.90 OUT (W)	S=0.0100	37 LF SD
CB-3	25+86.43 (42.69' RT)	TYPE 1L	972.80	10" IE 969.57 IN (NE) 10" IE 969.37 OUT (W)	S=0.0100	26 LF SD
CB-4	26+26.96 (8.96' LT)	TYPE 1L	973.13	10" IE 970.21 OUT (SW)	S=0.0100	64 LF SD
SMH-2	25+20.00 (37.00' RT)	48" TYPE 2 CB	973.39	10" IE 968.53 IN (E) 24" IE 968.33 OUT (W)	S=0.0000	5 LF SD

INFILTRATION GALLERY NOTES

CONTRACTOR TO EXCAVATE THE PERMANENT STORMWATER GALLERY WITHOUT ALLOWING HEAVY EQUIPMENT TO TRACK ON SUBGRADE OF INFILTRATION GALLERY. CONTRACTOR TO EXCAVATE FROM OUTSIDE OF GALLERY AREA OR TO BACK EQUIPMENT OUT AS EXCAVATING TO AVOID TRACKING EQUIPMENT ON BOTTOM 1' OF GALLERY. TYPICAL SOIL INSPECTION TO BE COORDINATED BY CONTRACTOR WITH PROJECT ENGINEER OF RECORD SUCH THAT INSPECTION OF SOILS OCCURS DURING GALLERY/SWALE CONSTRUCTION TO VERIFY CONSISTENT MATERIAL PER THE SOIL REPORT. IF ANY VARIATION IS NOTED IN NATIVE SOILS OR GROUNDWATER DEPTH, IT IS TO BE REPORTED TO THE OWNER IMMEDIATELY FOR APPROPRIATE DESIGN REVISIONS.

STORMWATER SOILS NOTES

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GENERAL NOTES

- SEE SHEET G001 AND G003 FOR GENERAL PROJECT NOTES AND THE MASTER LEGEND.
- DIMENSIONS SHOWN ARE TO FACE OF CURB WHERE APPLICABLE.
- CONCRETE SHALL BE WASHED OUT OFF SITE.
- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO WALLA WALLA COUNTY PUBLIC WORKS STANDARDS AND SPECIFICATIONS, UNLESS NOTED OTHERWISE.
- CONTRACTOR TO POTHOLE AND VERIFY LOCATION, ELEVATION, SIZE, MATERIAL, AND CONDITION OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION OR CONNECTIONS. NOTIFY ENGINEER IMMEDIATELY IF DISCREPANCIES EXIST.
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- WATER CHANNEL OPEN FROM APRIL 1ST TO OCTOBER 1ST. WATER MASTER: TIM DONAHEW.

CONSTRUCTION NOTES

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- NOT USED.
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PBS Engineering and
Environmental Inc.
5 N Coville St, Ste 200
Walla Walla, WA 99362
509.553.3026
pbsusa.com

PBS

ABBOTT ROAD SIDEWALK AND STORMWATER IMPROVEMENTS
A SITE LOCATED IN WALLA WALLA COUNTY, WASHINGTON

811

Know what's below.
Call before you dig.



07/06/2022

DESIGNED:
MDB/KCS

CHECKED:
MDB

JUNE 2022
67750.000

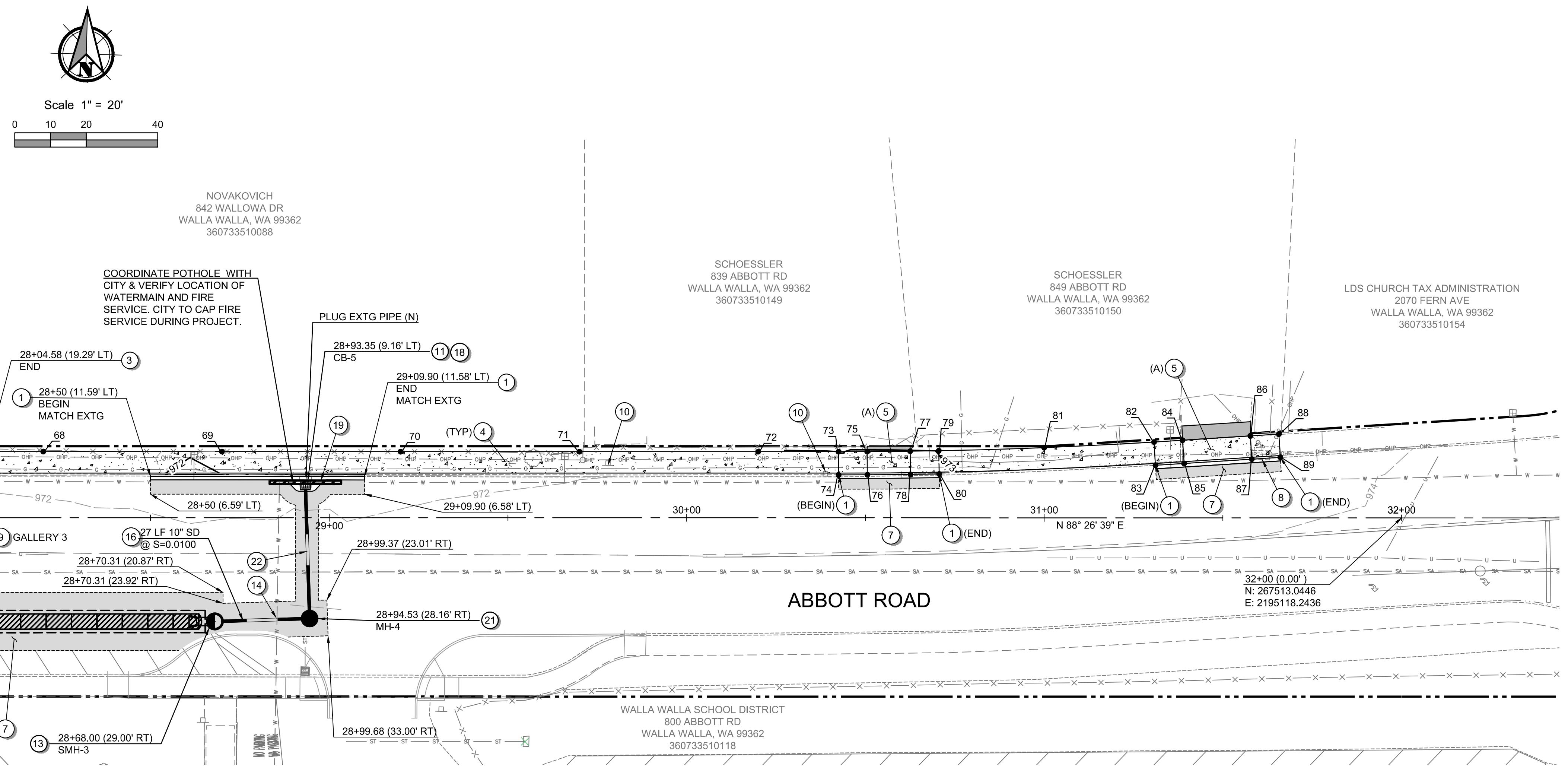
SHEET ID

C202

8 OF 20

FINAL PLANS

MATCH LINE STA 28+50 - SEE SHEET C202



GRADING TABLE				
POINT	STATION OFFSET	FG EL	TC EL	NOTES
68	28+20.00, 18.50' LT	972.49	972.49	
69	28+70.00, 18.50' LT	972.27	972.27	
70	29+20.00, 18.50' LT	972.40	972.40	
71	29+70.00, 18.50' LT	972.55	972.55	
72	30+20.00, 18.50' LT	972.89	972.89	
73	30+42.50, 18.50' LT	973.11	973.11	
74	30+42.50, 12.00' LT	972.52	973.02	MATCH EG
75	30+50.50, 18.51' LT	972.71	972.71	
76	30+50.53, 12.01' LT	972.62	972.62	
77	30+62.51, 18.62' LT	972.88	972.88	
78	30+62.60, 12.12' LT	972.79	972.79	

NOTES:
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GRADING TABLE				
POINT	STATION OFFSET	FG EL	TC EL	NOTES
79	30+70.51, 18.75' LT	973.28	973.28	
80	30+70.63, 12.25' LT	972.69	973.19	MATCH EG
81	31+00.00, 19.61' LT	973.64	973.64	
82	31+30.72, 21.20' LT	973.83	973.83	
83	31+31.13, 14.71' LT	973.24	973.74	MATCH EG
84	31+38.71, 21.70' LT	973.32	973.32	
85	31+39.14, 15.22' LT	973.23	973.23	
86	31+57.67, 22.91' LT	973.46	973.46	
87	31+58.08, 16.42' LT	973.37	973.37	
88	31+65.65, 23.42' LT	973.83	973.83	MATCH EG
89	31+66.07, 16.93' LT	973.43	973.93	MATCH EG

STORM INLET TABLE						
#	LOCATION	TYPE	RIM/GRATE	INVERT ELEV	LATERAL SLOPE	LATERAL LENGTH
CB-5	28+93.35 (9.16' LT)	TYPE 1	971.79	EXTG 10" IE 968.07 OUT (S)	S=0.0100	37 LF EXTG SD
MH-4	28+94.53 (28.16' RT)	SHALLOW MH	972.00	EXTG 10" IE 967.70 IN (N) EXTG 10" IE 968.80 IN (S) 10" IE 967.50 OUT (W)	S=0.0100	27 LF SD
SMH-3	28+68.00 (29.00' RT)	48" TYPE 2 CB	972.03	10" IE 967.23 IN (E) 24" IE 967.03 OUT (W)	S=0.0000	4 LF SD

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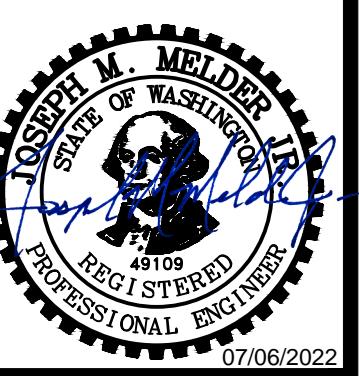
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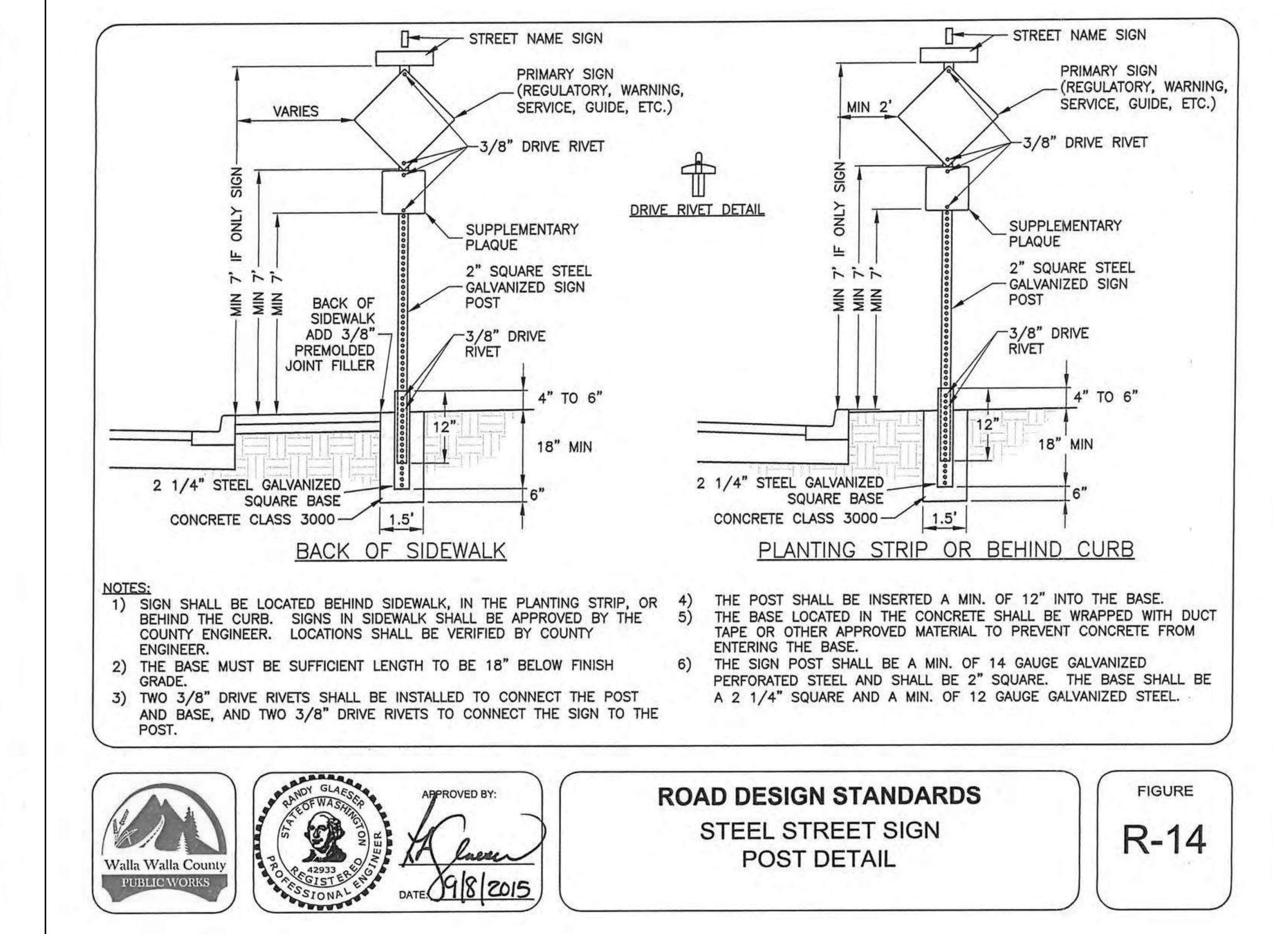
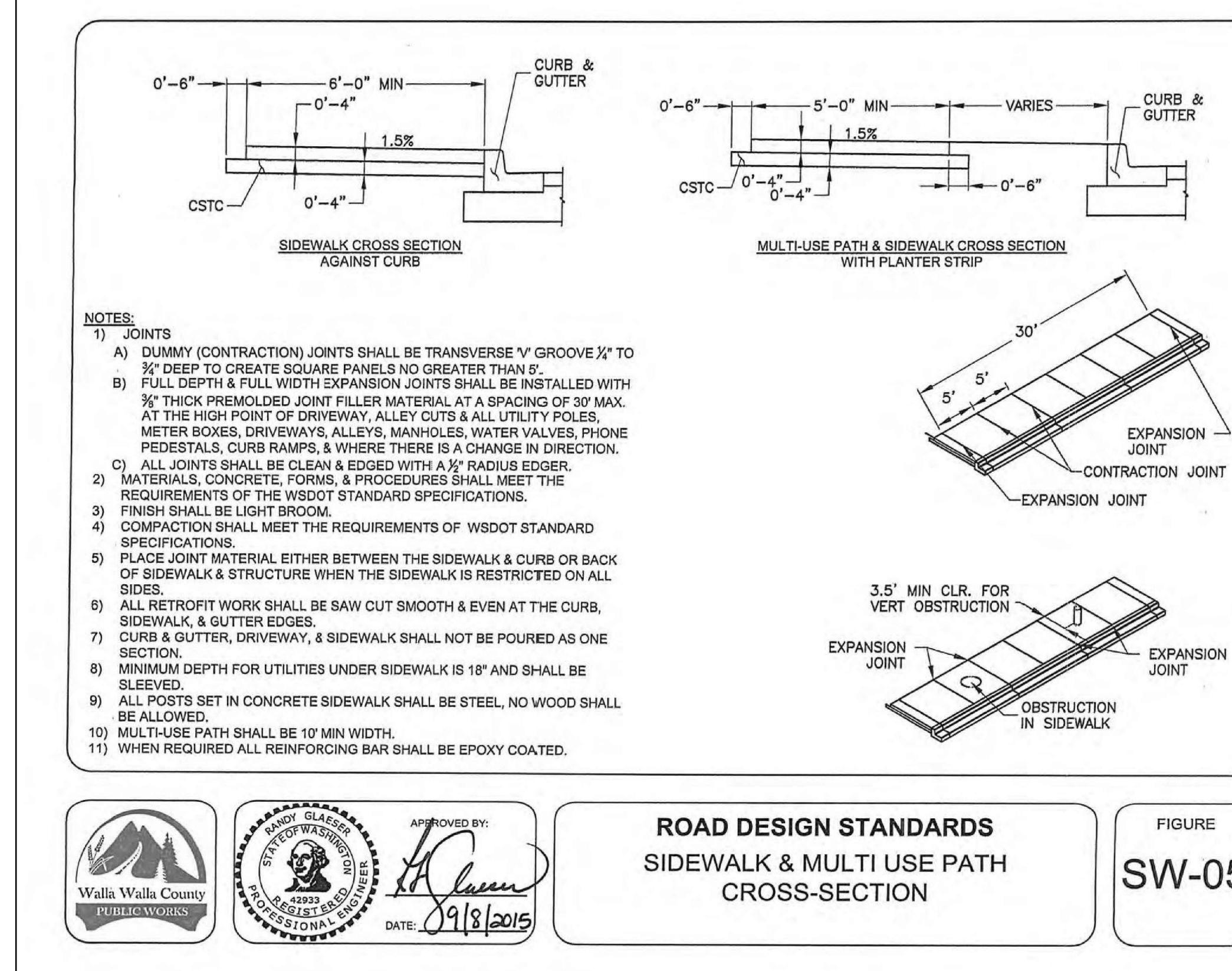
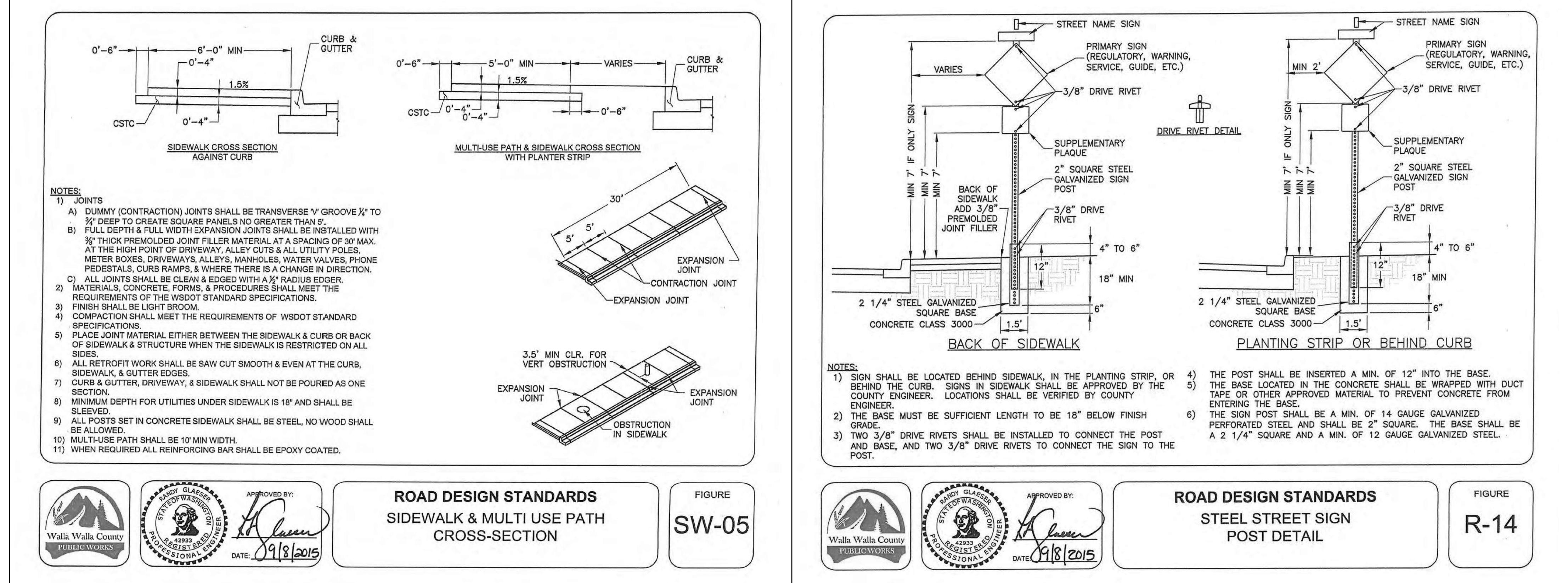
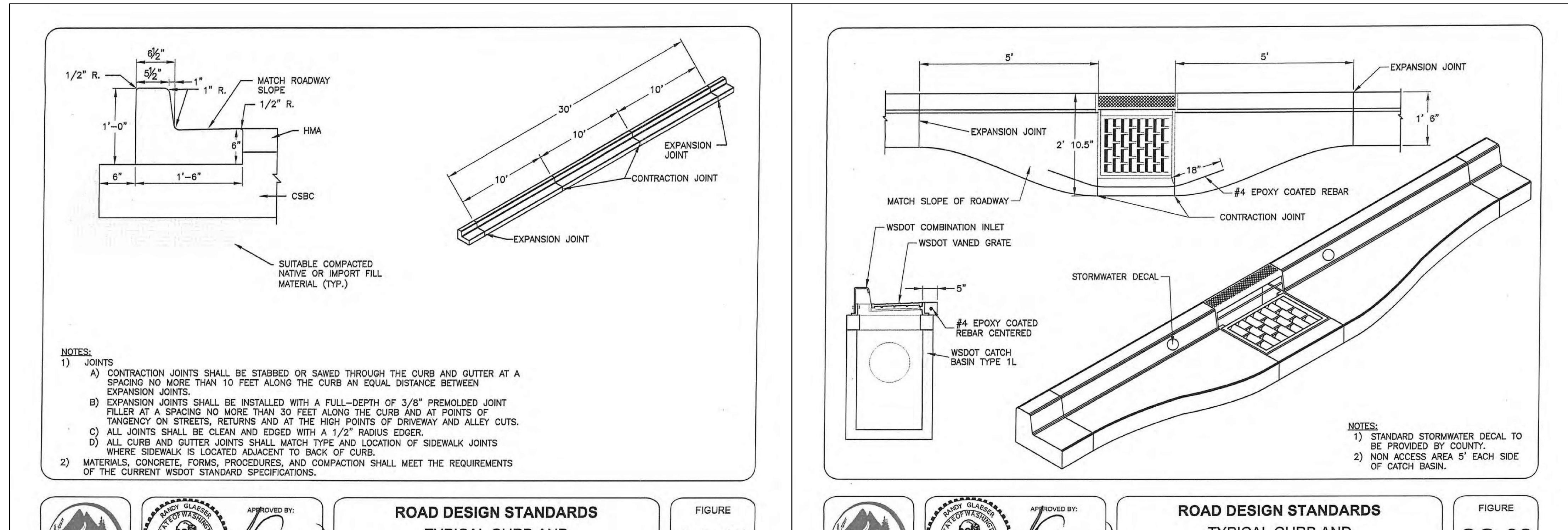
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FINAL PLANS

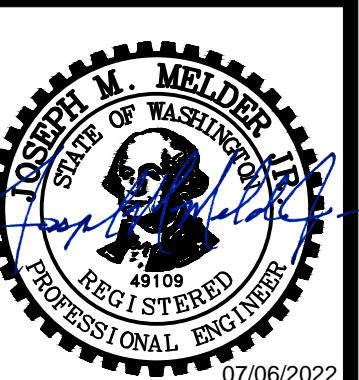


FINAL PLANS





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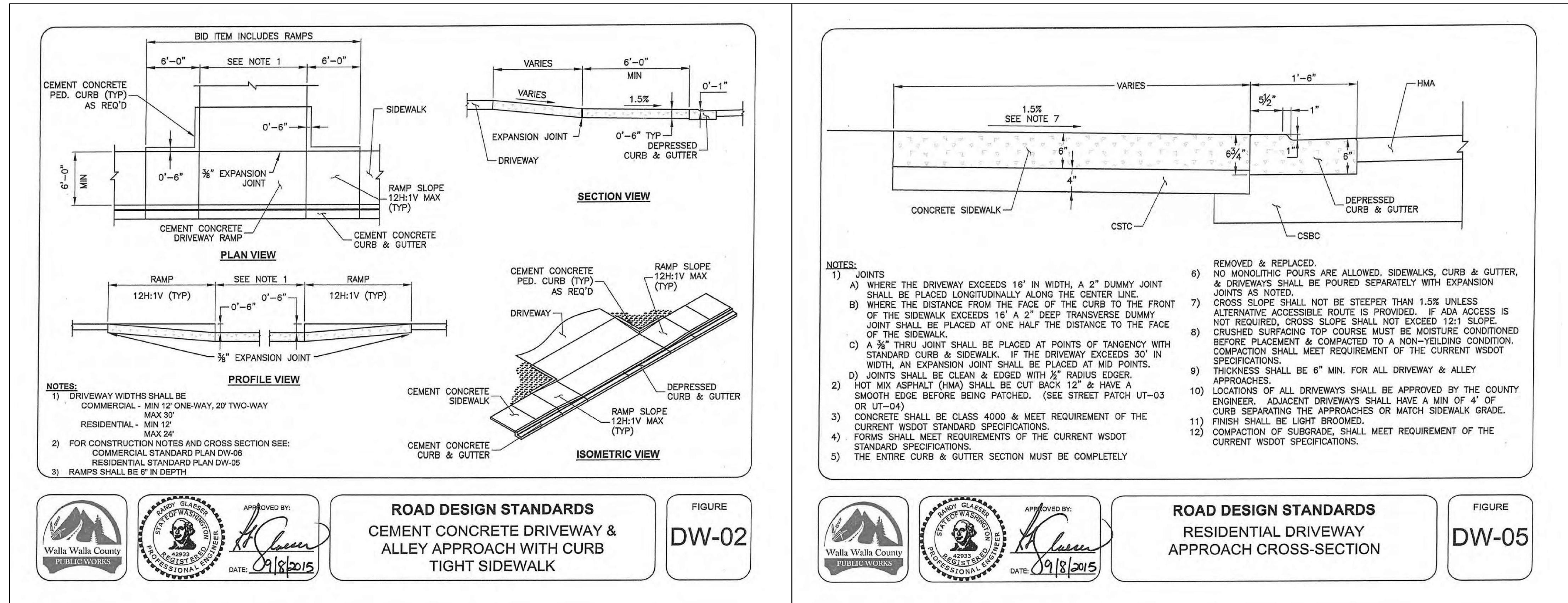


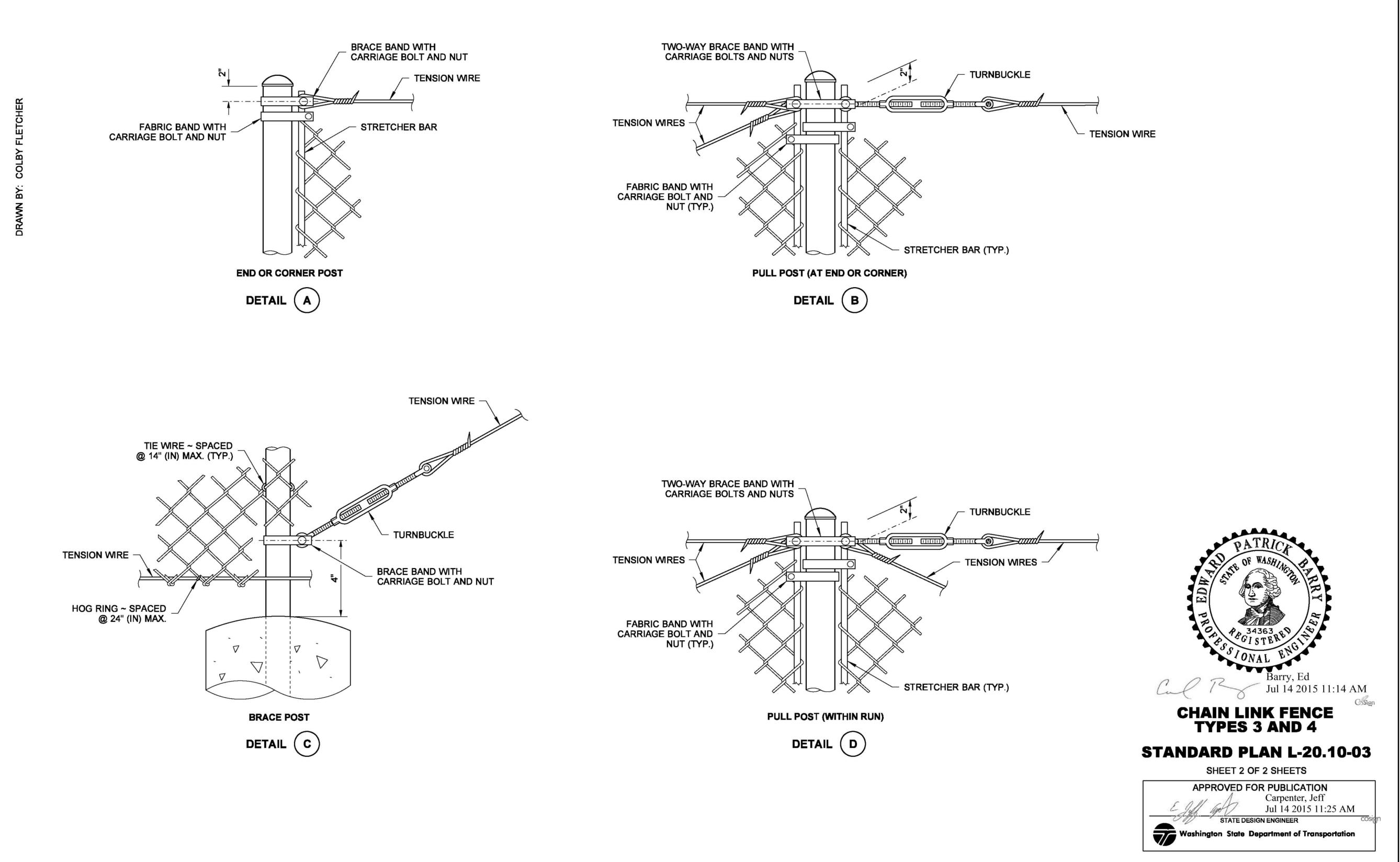
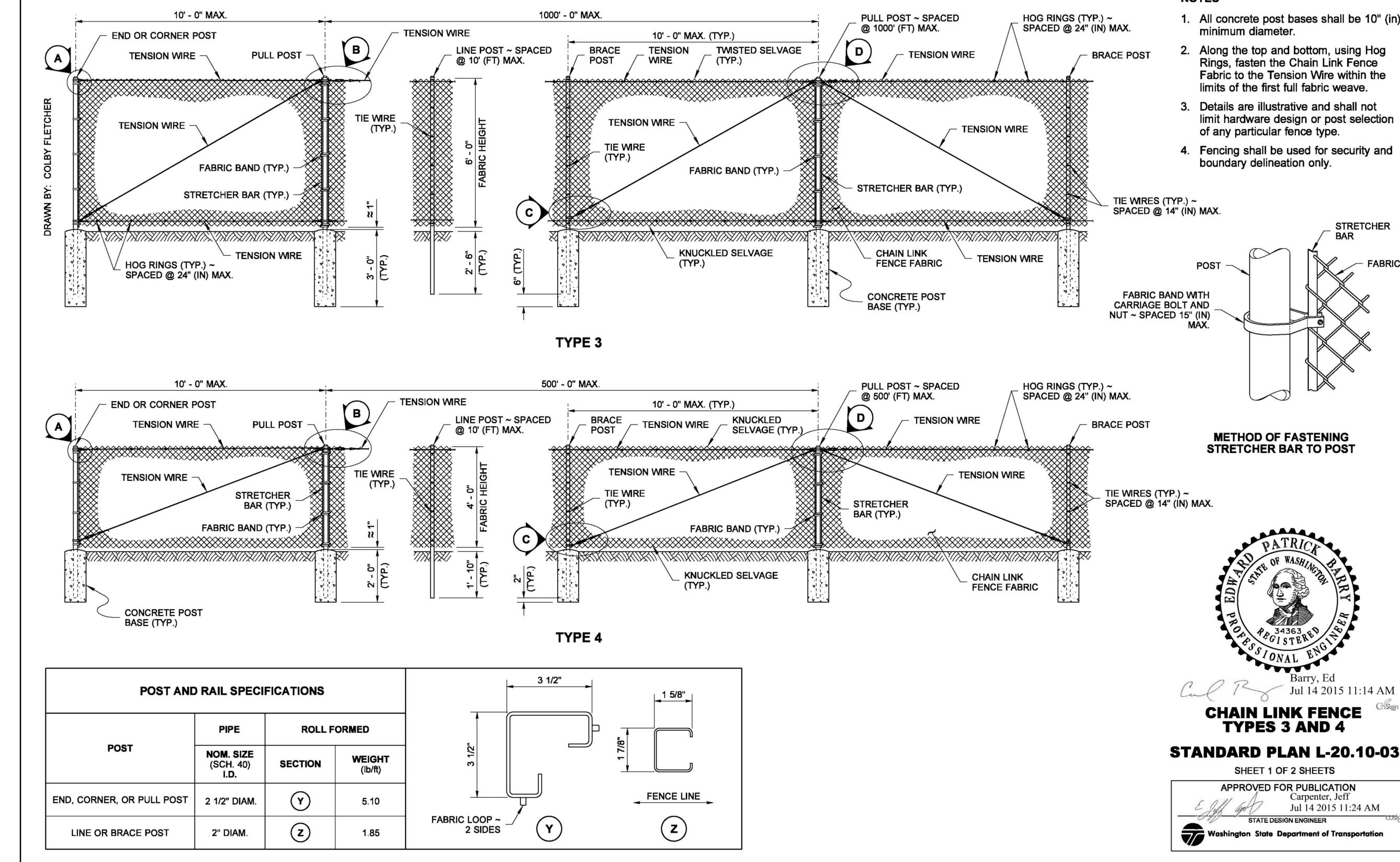
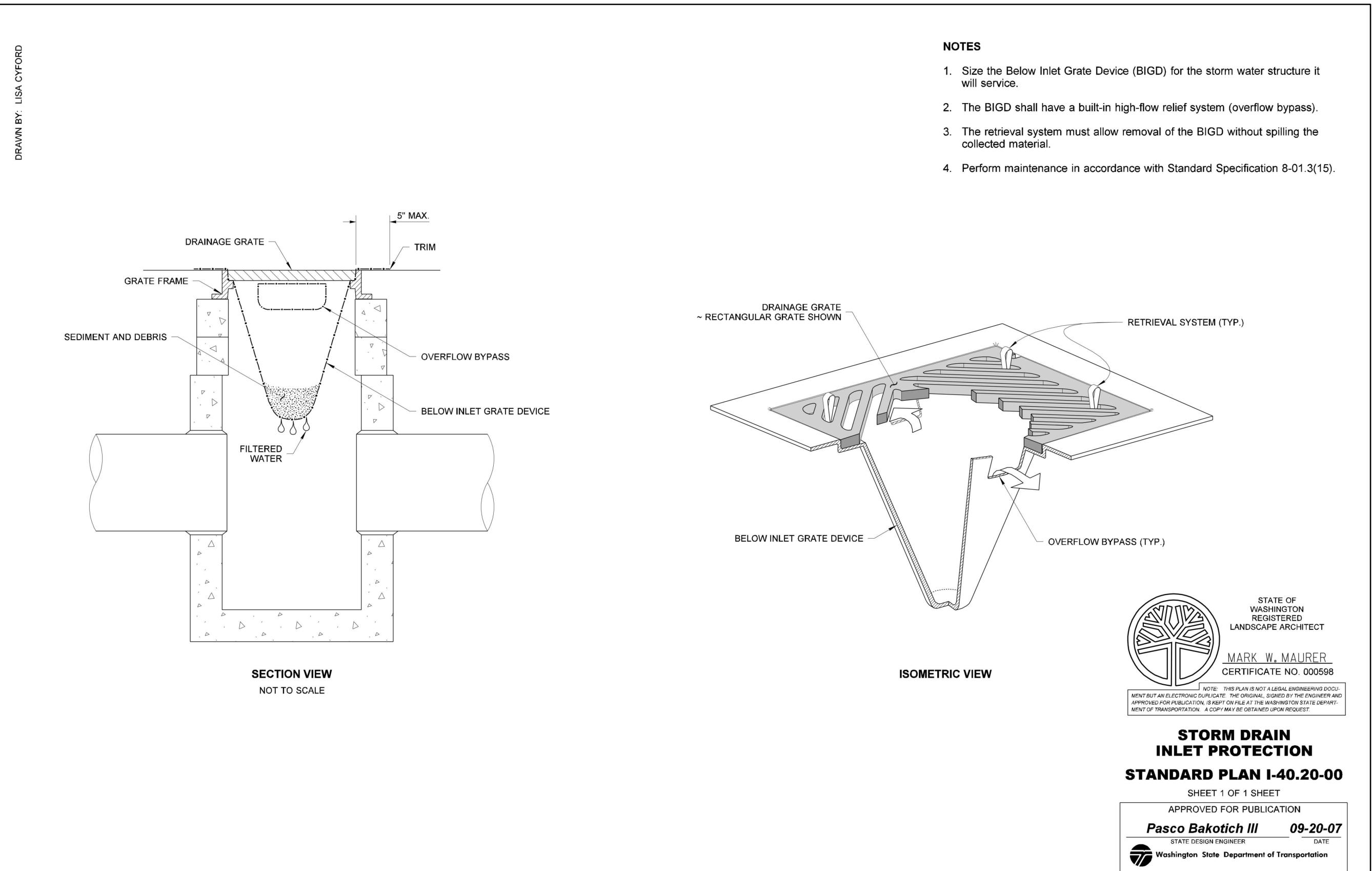
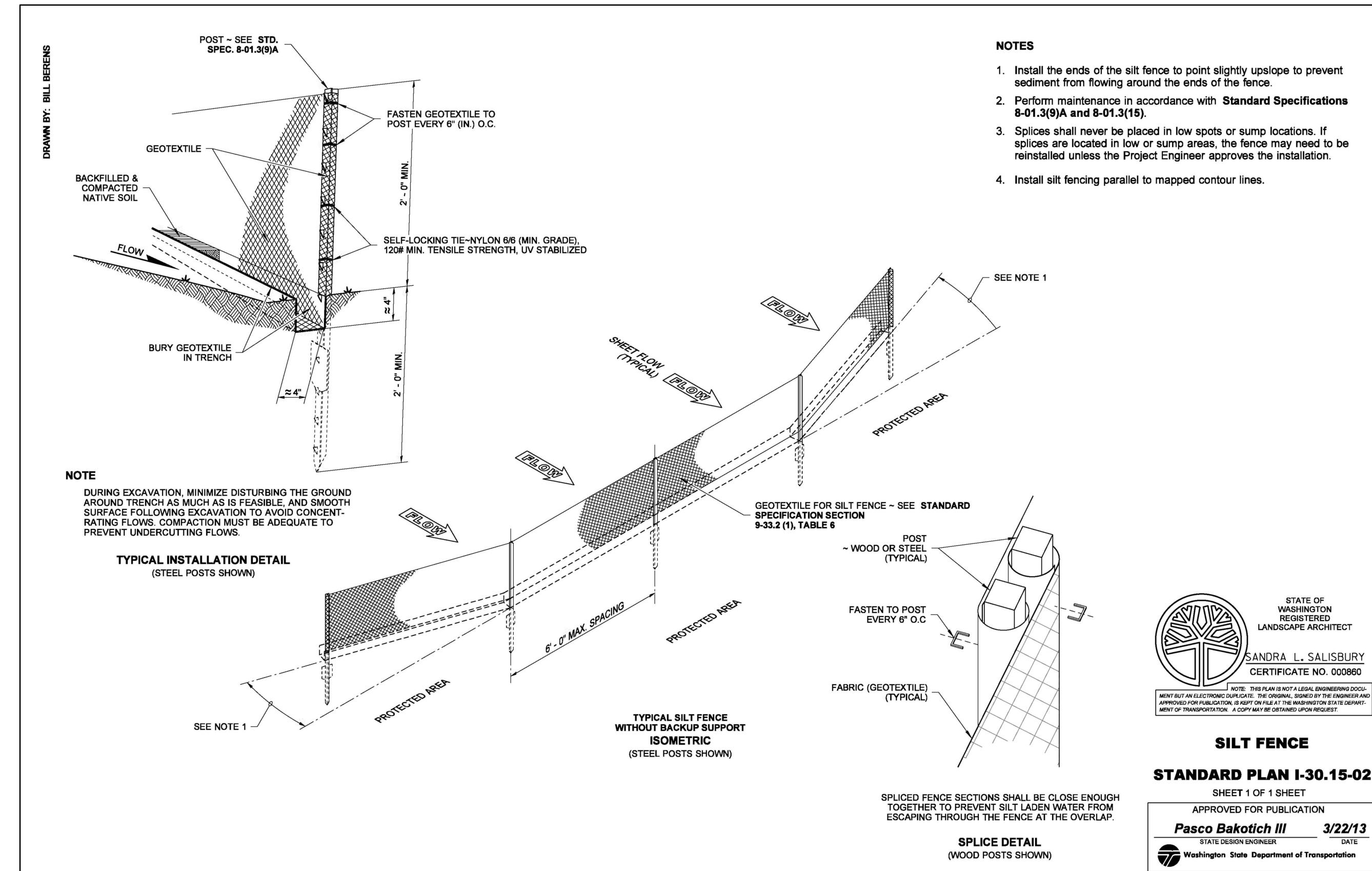
JOSEPH M. MELDNER
STATE OF WASHINGTON
REGISTRATION NO. 42923
PROFESSIONAL ENGINEER
07/06/2022

DESIGNED:
MDB/KCS
CHECKED:
MDB
JUNE 2022
67750.000
SHEET ID
C302

SHEET 11 OF 20

FINAL PLANS





WSDOT DETAILS FOR:
ABBOTT ROAD SIDEWALK AND STORMWATER IMPROVEMENTS
A SITE LOCATED IN WALLA WALLA COUNTY, WASHINGTON

811
Know what's below.
Call before you dig.

JOSEPH M. MELDRUM, P.E., R.L.S.
JOSEPH M. MELDRUM, P.E., R.L.S.
JOSEPH M. MELDRUM, P.E., R.L.S.

DESIGNED:
MDB/KCS

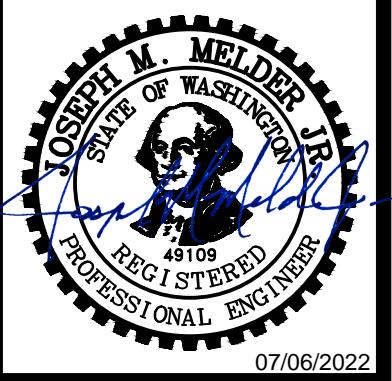
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MDB

JUNE 2022
67750.000

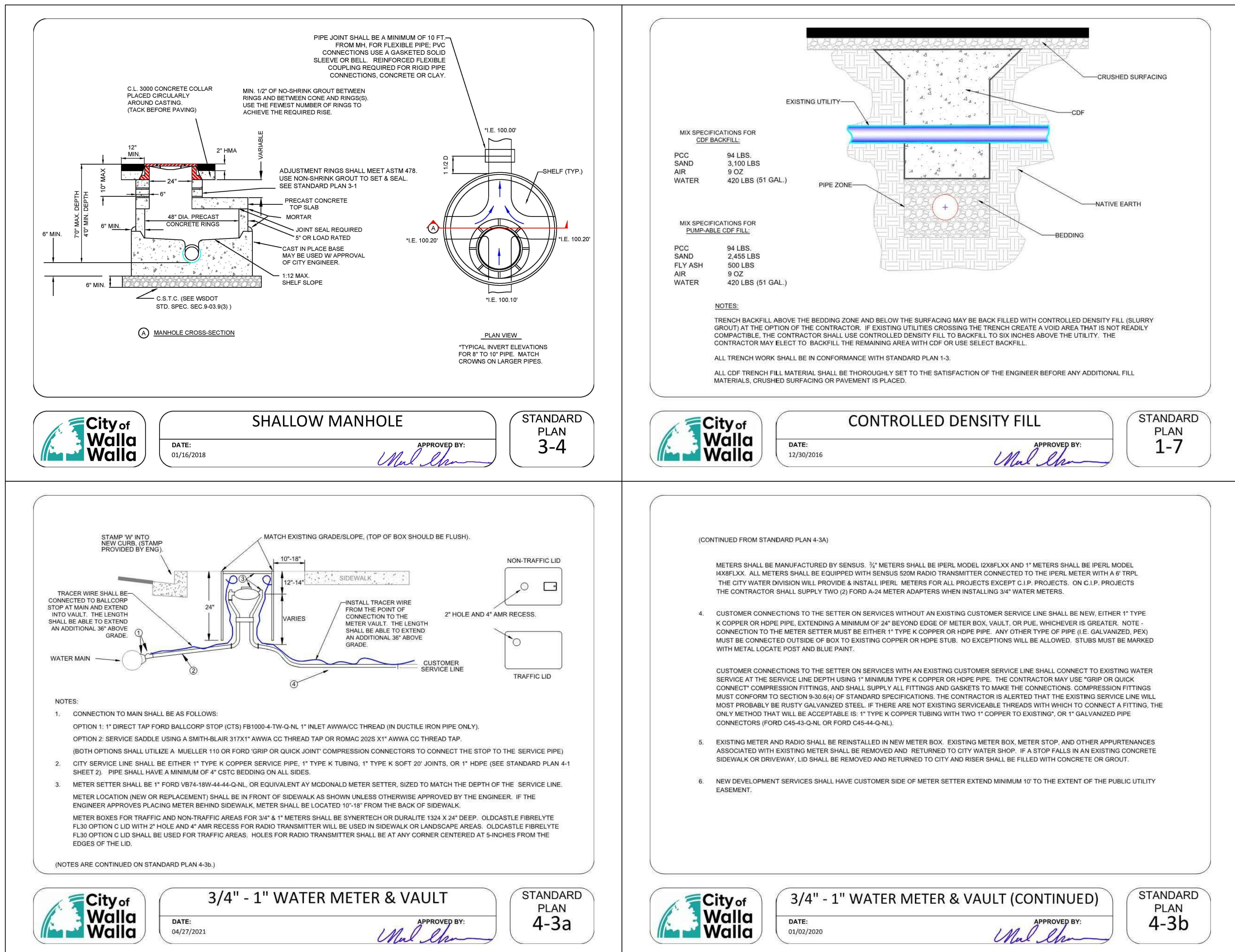
SHEET ID
C303

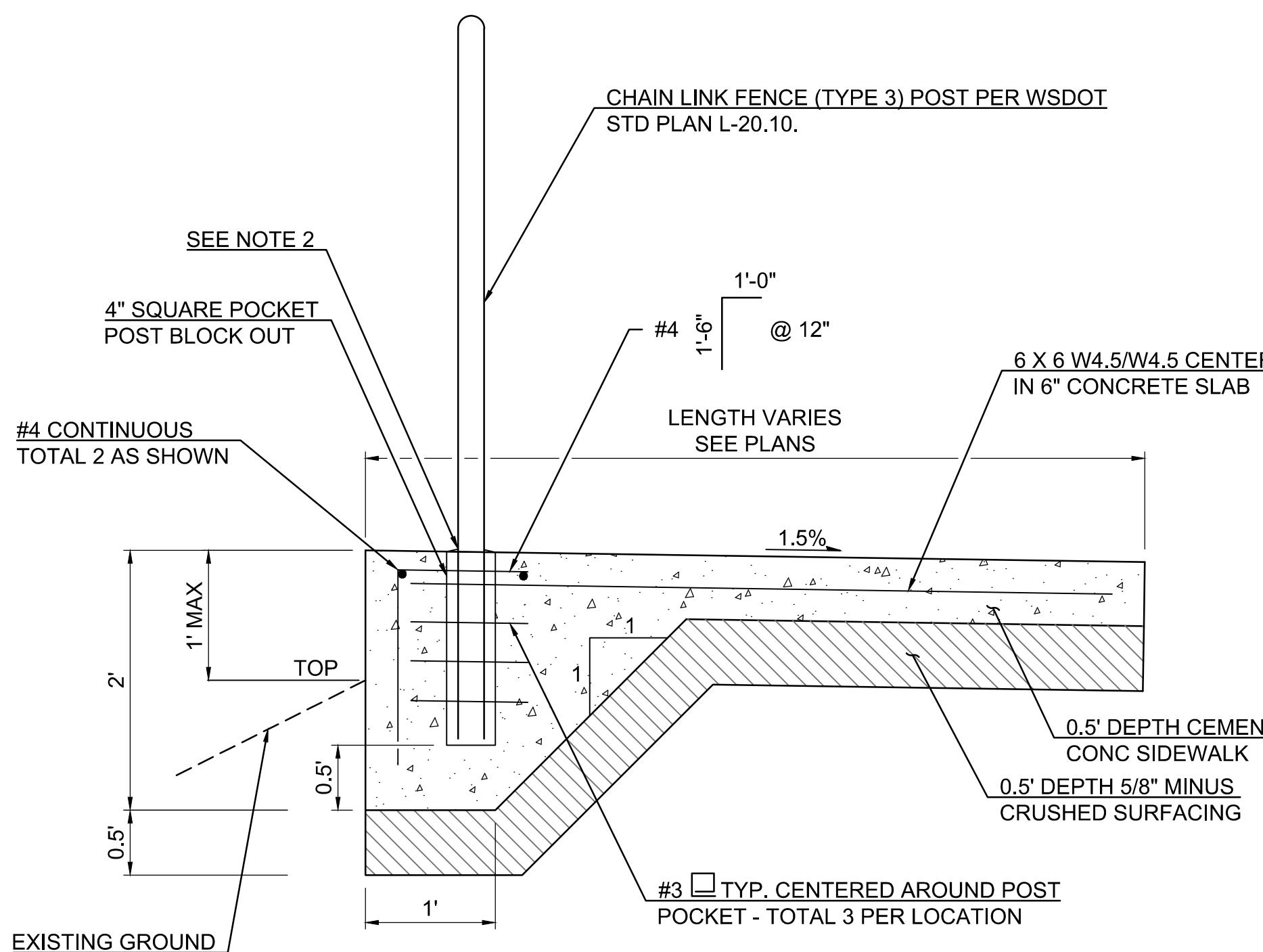
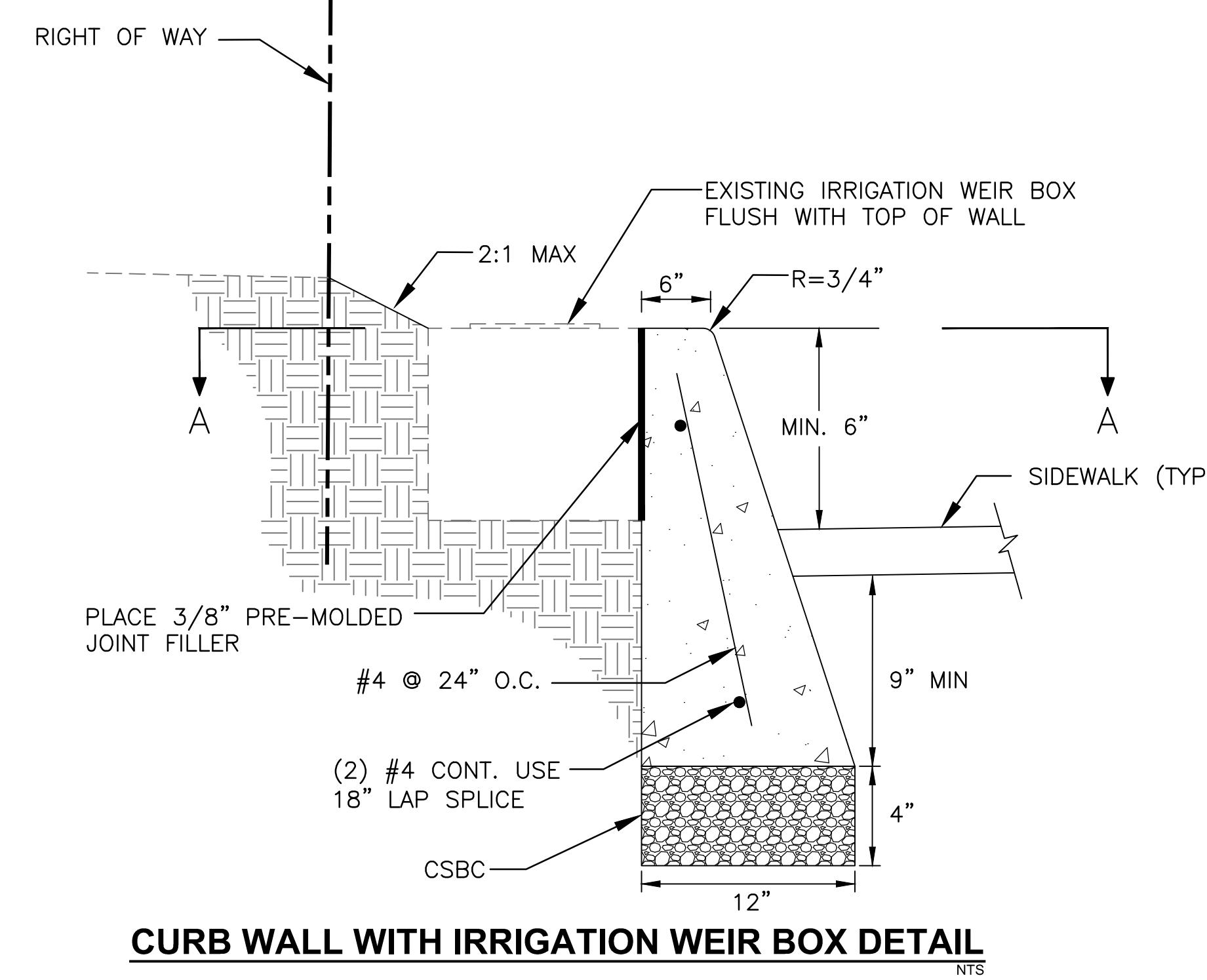
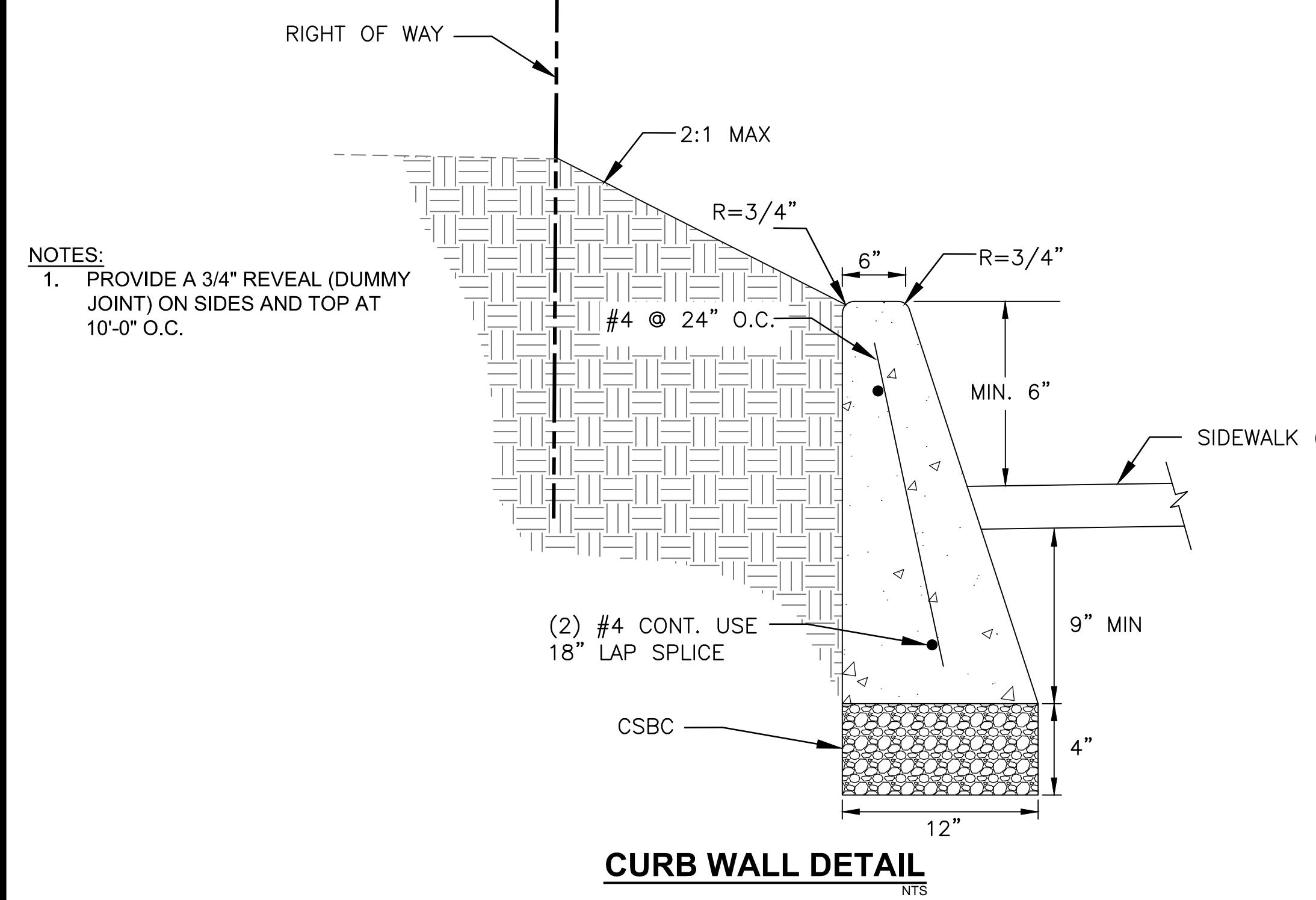
FINAL PLANS

SHEET 12 OF 20



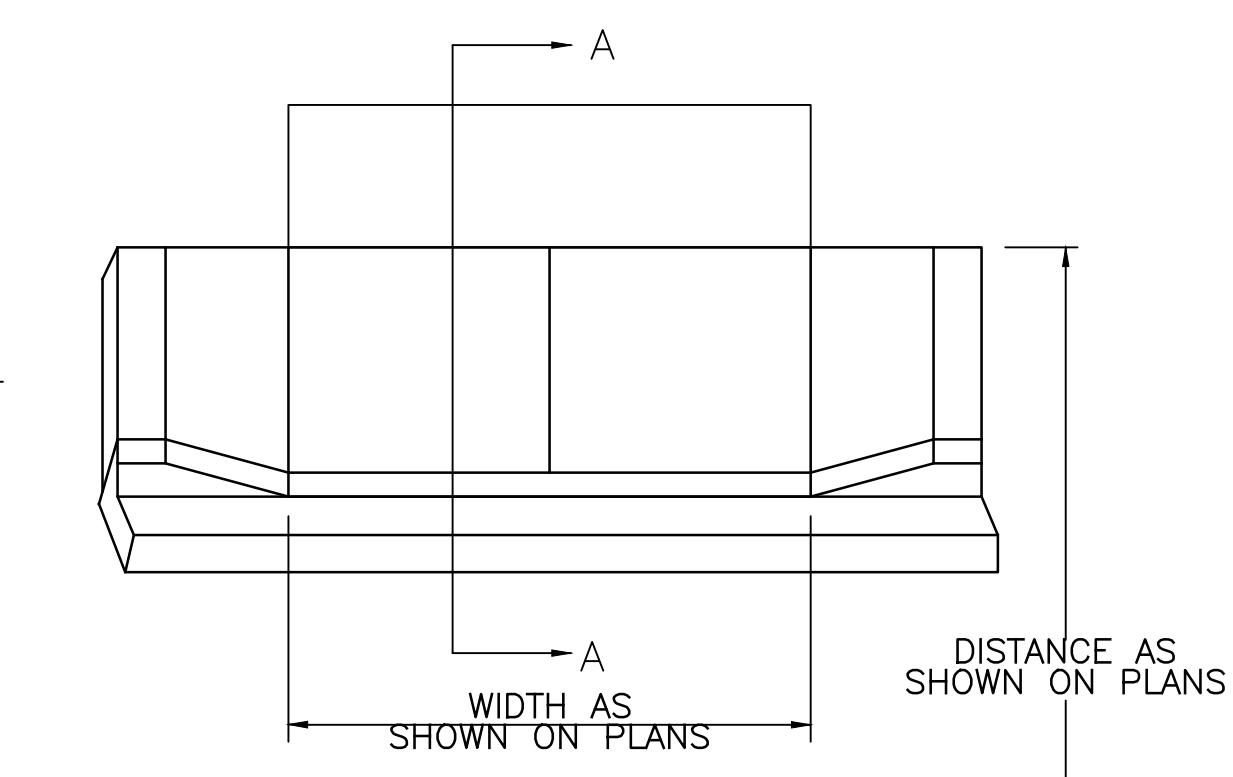
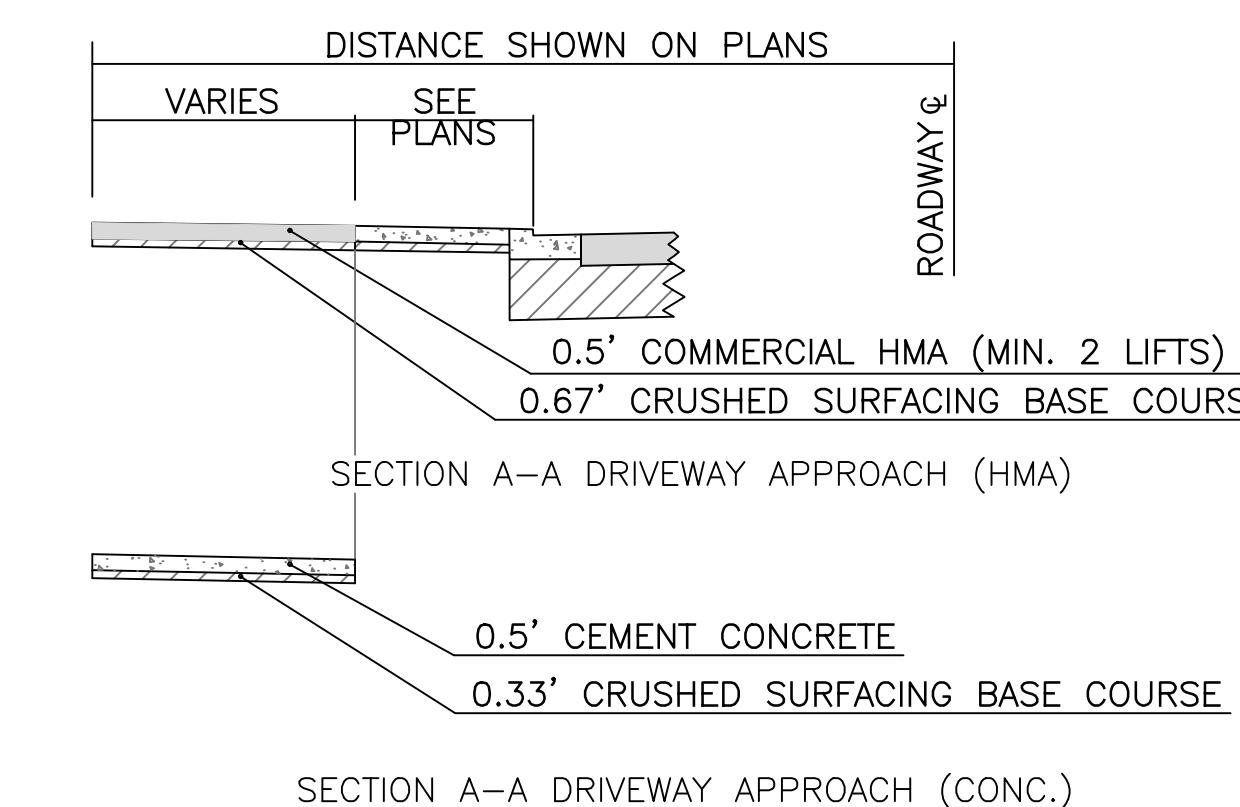
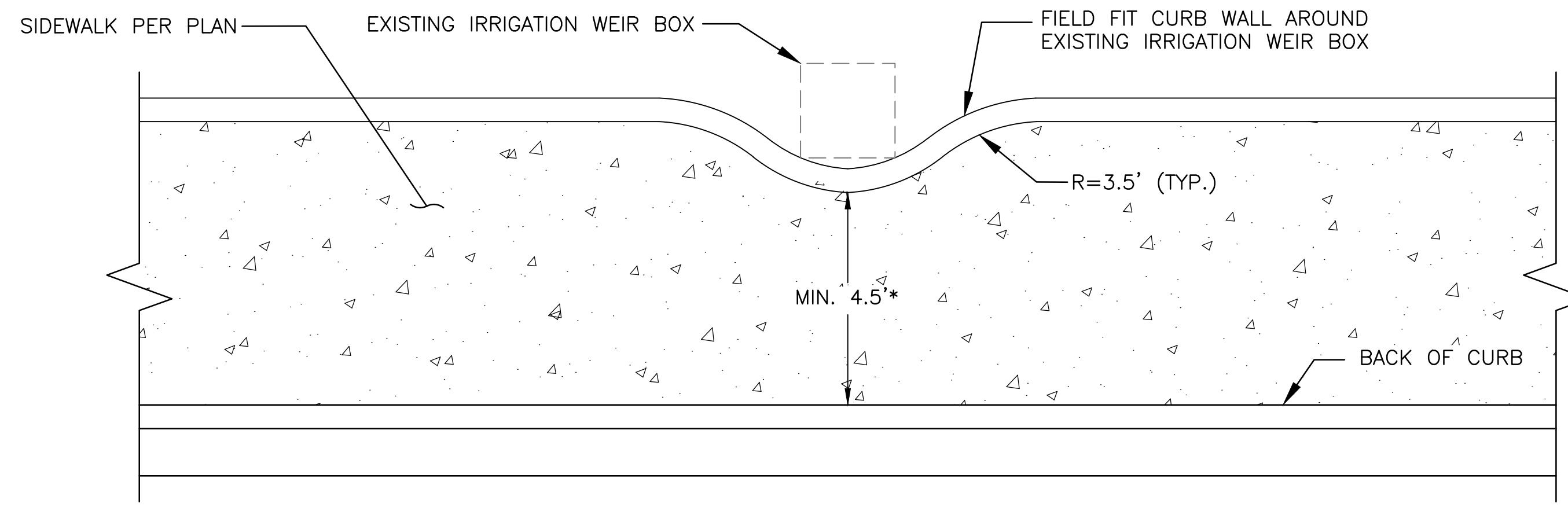
FINAL PLANS



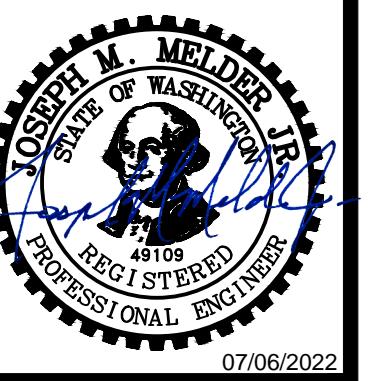


NOTES:

1. USE 2000 PSI MINIMUM STRENGTH LOW SHRINK GROUT TO FILL POST POCKETS. UNUSED POCKETS SHALL ALSO BE FILLED WITH THE SAME GROUT MATERIAL.
2. PROVIDE 1/4" CROWN ABOVE TOP OF SIDEWALK WITH GROUT SURROUNDING RAILING POST AS SHOWN TO PREVENT PONDING.

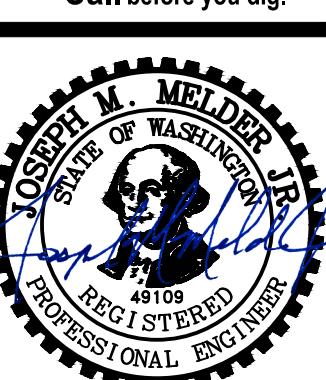


DRIVEWAY APPROACH
NTS





Know what's below.
Call before you dig.



07/06/2022

DESIGNED:
MDB/KCS
CHECKED:
MDB
JUNE 2022
67750.000

SHEET ID

C308

SHEET 17 OF 20

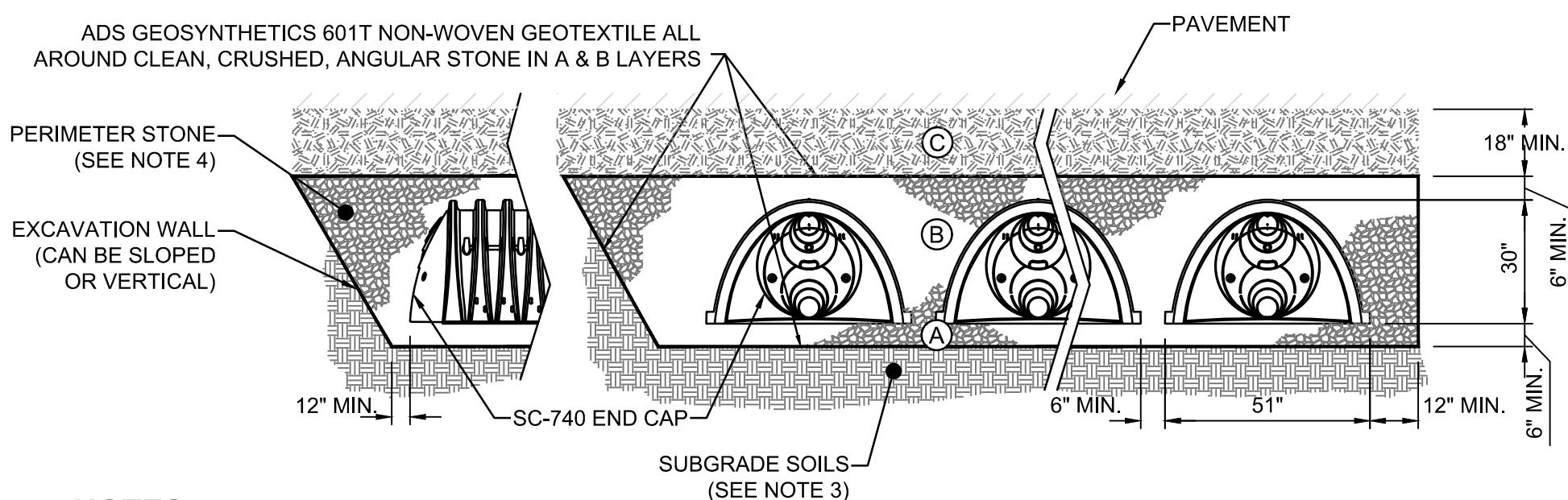
FINAL PLANS

ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	WSDOT STD. SPECIFICATION	COMPACTION / DENSITY REQUIREMENT
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF EMBEDMENT STONE ('B' LAYER) TO 18" ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <3% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	9-03.9(3) BEGIN COMPACTION AFTER 12" OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs. DYNAMIC FORCE NOT TO EXCEED 20,000 lbs.
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE	9-03.12(5) NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE	9-03.12(5) PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}

PLEASE NOTE:

1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (MAX) LIFTS USING TWO FULL COVERS WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.

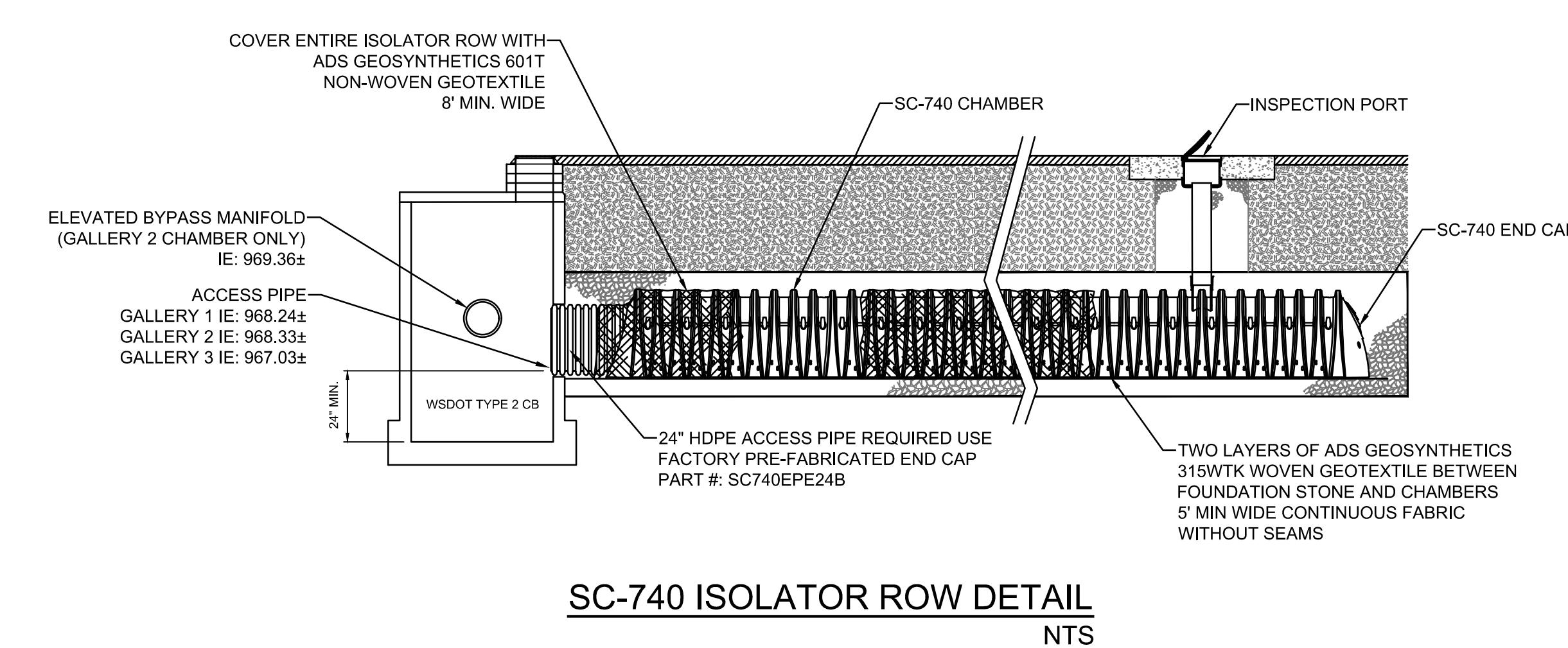


NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418-16a, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. SC-740 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 650 LBS/IN/IN. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

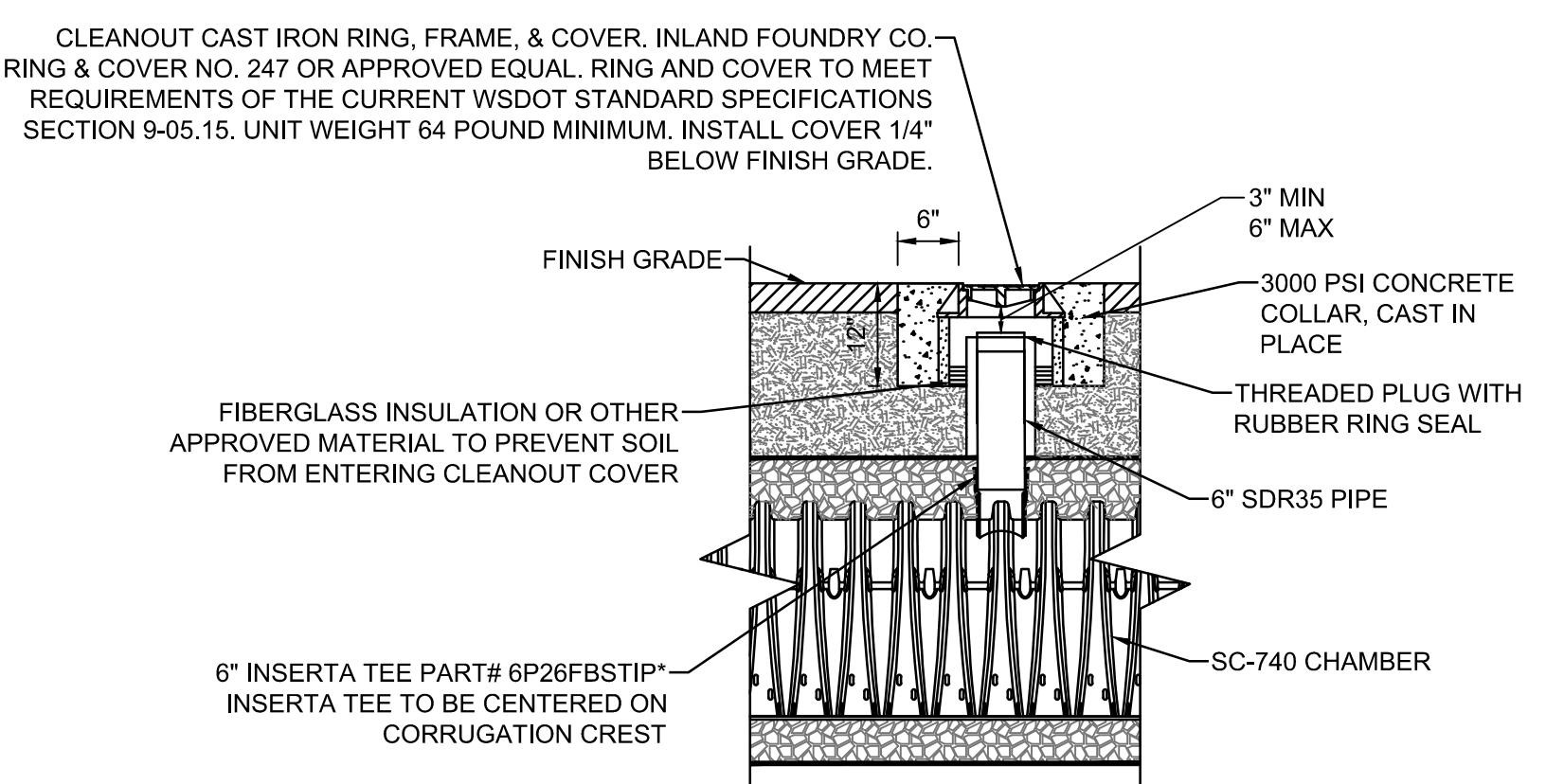
SC-740 STANDARD CROSS-SECTION

NTS



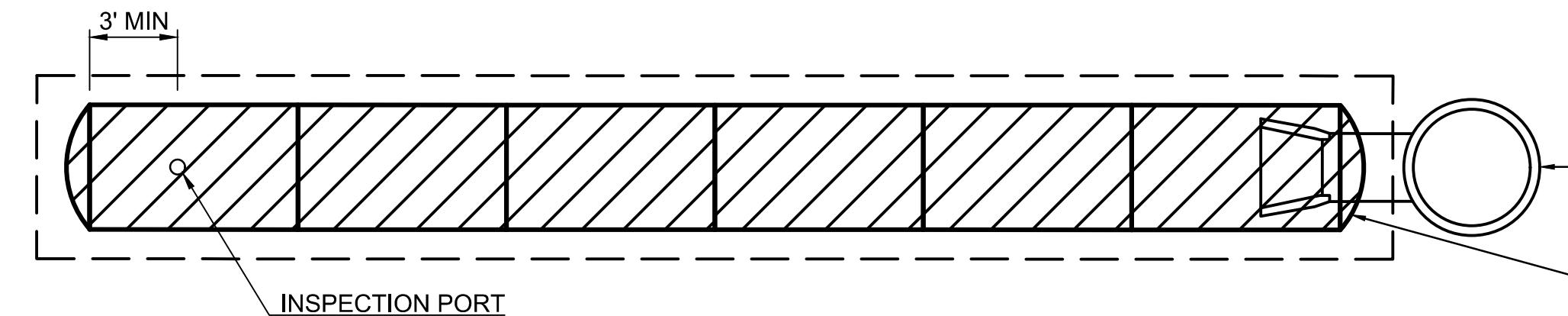
SC-740 ISOLATOR ROW DETAIL

NTS



SC-740 6" INSPECTION PORT DETAIL

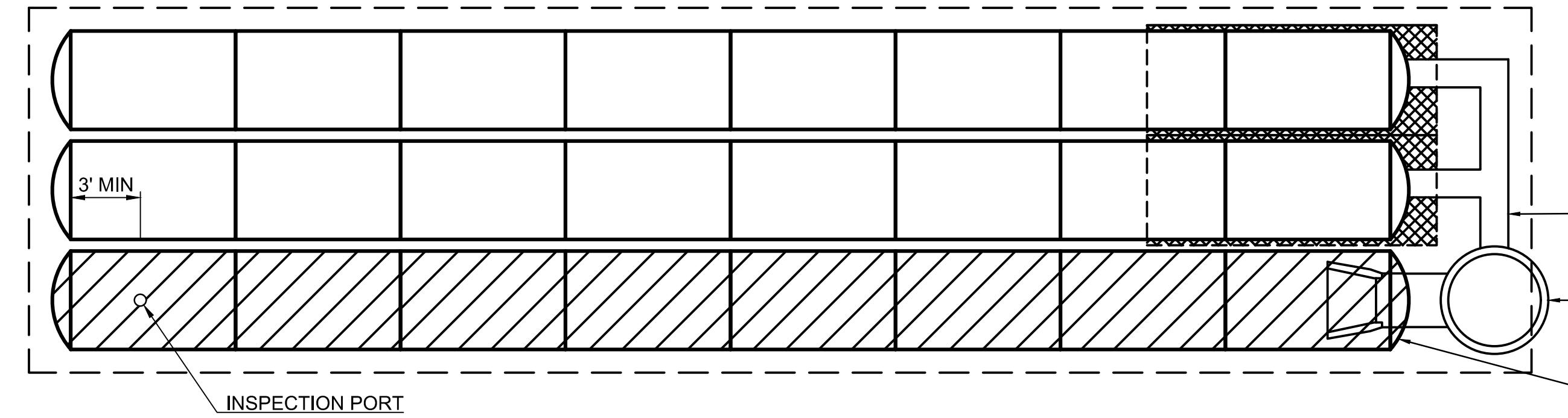
NTS



SC-740 PLAN VIEW LAYOUT (GALLERY 1)
NTS

PROPOSED LAYOUT	
6	STORMTECH SC-740 CHAMBERS
2	STORMTECH SC-740 END CAPS
6	STONE ABOVE (INCHES)
6	STONE BELOW (INCHES)
30	% STONE VOIDS
497	INSTALLED SYSTEM VOLUME (CF) INCLUDING PERIMETER, COVER, & BASE STONE
289	SYSTEM AREA (SF)
105.1	SYSTEM PERIMETER (FT)

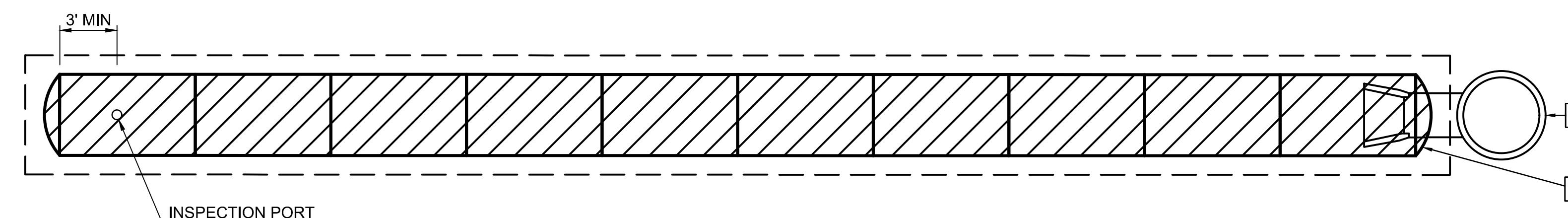
RELATIVE ELEVATIONS	
3.50	TOP OF STONE
3.00	TOP OF SC-740 CHAMBER
0.51	24" ISOLATOR ROW INVERT
0.50	BOTTOM OF SC-740 CHAMBER
0.00	BOTTOM OF STONE, ELEVATION 967.73±



SC-740 PLAN VIEW LAYOUT (GALLERY 2)
NTS

PROPOSED LAYOUT	
24	STORMTECH SC-740 CHAMBERS
6	STORMTECH SC-740 END CAPS
6	STONE ABOVE (INCHES)
6	STONE BELOW (INCHES)
30	% STONE VOIDS
1774	INSTALLED SYSTEM VOLUME (CF) INCLUDING PERIMETER, COVER, & BASE STONE
1021	SYSTEM AREA (SF)
161.2	SYSTEM PERIMETER (FT)

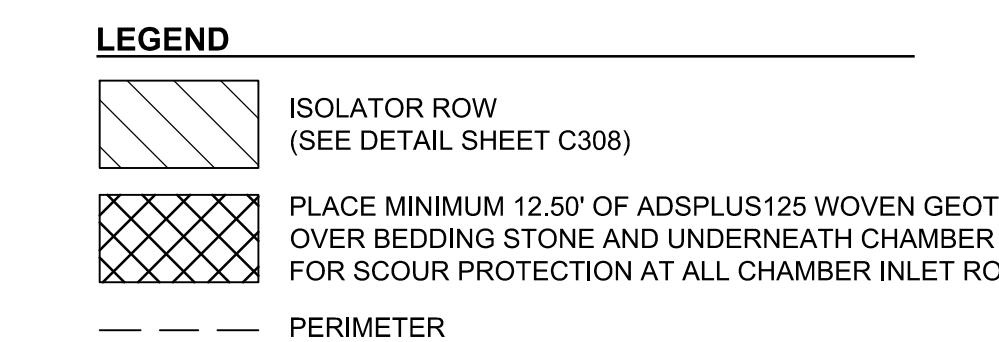
RELATIVE ELEVATIONS	
3.50	TOP OF STONE
3.00	TOP OF SC-740 CHAMBER
1.54	12"x12" TOP MANIFOLD INVERT
0.51	24" ISOLATOR ROW INVERT
0.50	BOTTOM OF SC-740 CHAMBER
0.00	BOTTOM OF STONE, ELEVATION 967.82±



SC-740 PLAN VIEW LAYOUT (GALLERY 3)
NTS

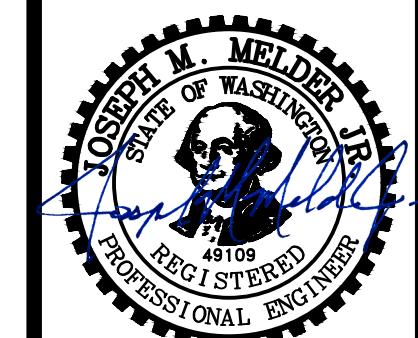
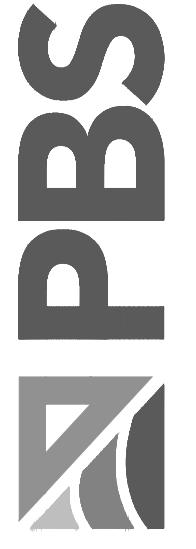
PROPOSED LAYOUT	
10	STORMTECH SC-740 CHAMBERS
2	STORMTECH SC-740 END CAPS
6	STONE ABOVE (INCHES)
6	STONE BELOW (INCHES)
30	% STONE VOIDS
812	INSTALLED SYSTEM VOLUME (CF) INCLUDING PERIMETER, COVER, & BASE STONE
467	SYSTEM AREA (SF)
162.0	SYSTEM PERIMETER (FT)

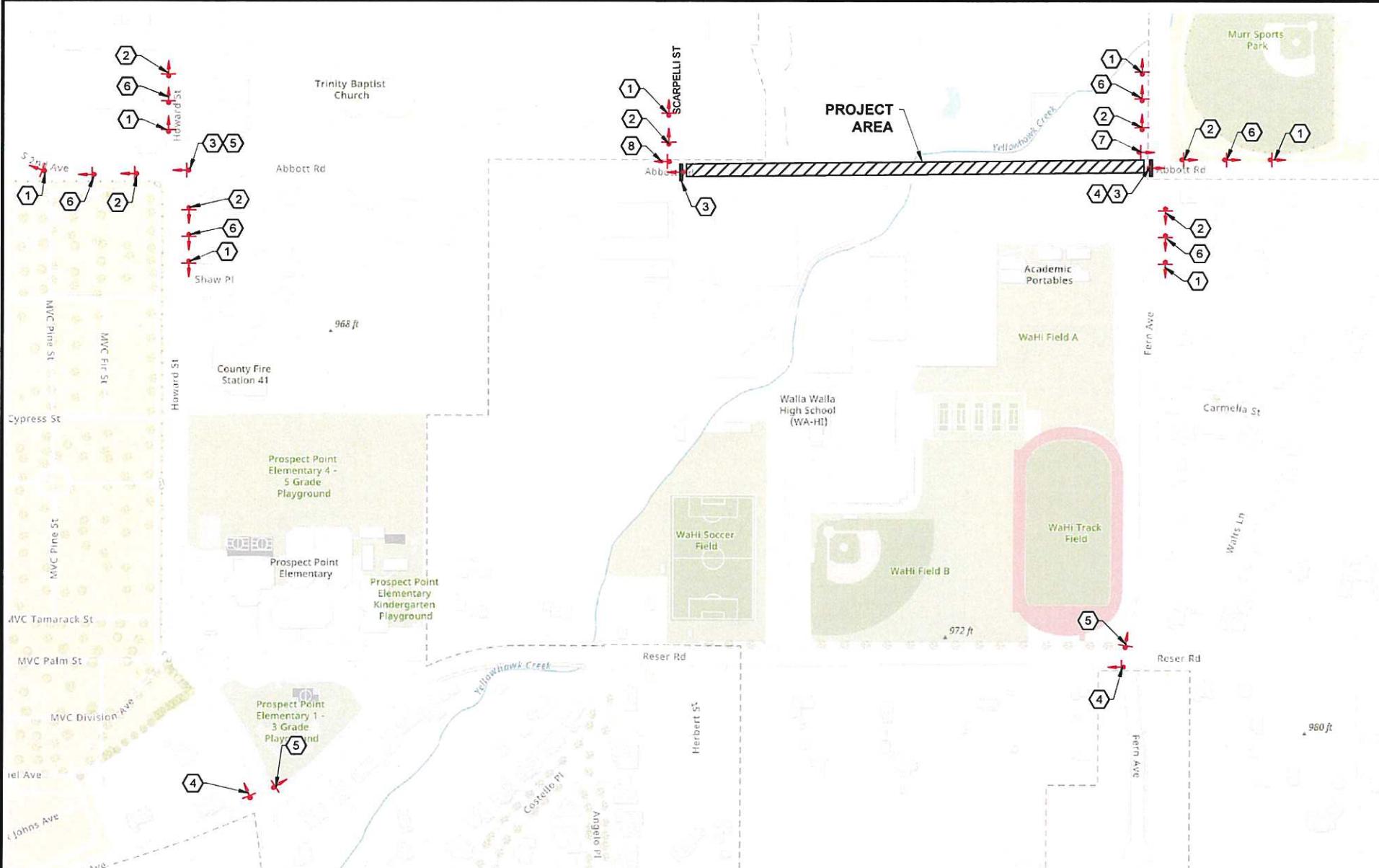
RELATIVE ELEVATIONS	
3.50	TOP OF STONE
3.00	TOP OF SC-740 CHAMBER
0.51	24" ISOLATOR ROW INVERT
0.50	BOTTOM OF SC-740 CHAMBER
0.00	BOTTOM OF STONE, ELEVATION 966.52±



CHAMBER PLAN VIEW NOTES	
1	PREFABRICATED END CAP, 24" BOTTOM PREFABRICATED END CAP, TYPICAL OF ALL 24" BOTTOM CONNECTIONS AND ISOLATOR ROWS. INVERT ABOVE BASE OF CHAMBER 0.10".
2	WSDOT TYPE 2 CATCH BASIN WITH ISOLATOR ROW. SEE DETAIL THIS SHEET, & WSDOT STD PLAN B-10-20-02.
3	MANIFOLD, 12"x12" TOP, ADS N-12 OR EQUAL. INVERT ABOVE CHAMBER 12.50". (GALLERY 2 CHAMBER ONLY).

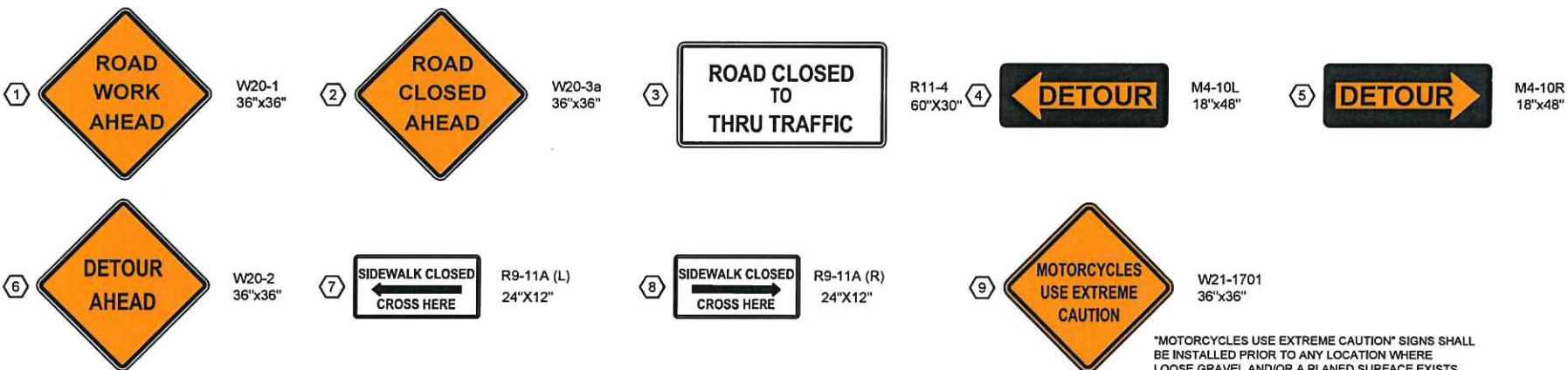
FINAL PLANS
C309





PROJECT MAP

NTS



"MOTORCYCLES USE EXTREME CAUTION" SIGNS SHALL BE INSTALLED PRIOR TO ANY LOCATION WHERE LOOSE GRAVEL AND/OR A PLANED SURFACE EXISTS

NOTE:

CONTRACTOR SHALL PROVIDE ACCESS FOR LOCAL RESIDENTS TO THEIR RESPECTIVE DRIVEWAYS AT THE END OF EACH WORK DAY, AND DURING WEEKENDS. THE CONTRACTOR SHALL MAKE PROVISIONS FOR EMERGENCY, MAIL CARRIER, AND GARBAGE COLLECTION VEHICLE ACCESS AT ALL TIMES.

ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE MUTCD, AND SHALL BE MODIFIED AS REQUIRED BY THE ENGINEER.

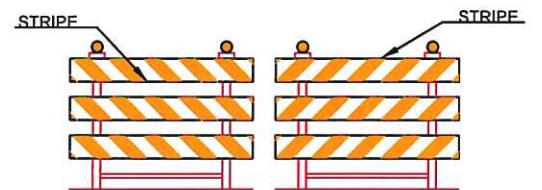
ALL TRAFFIC CONTROL DEVICES SHALL MEET REQUIREMENTS OF N.C.H.R.P REPORT 350 AS CERTIFIED BY THE MANUFACTURER OF THE DEVICE.

SEE WSDOT STD PLAN K-80.20-00 FOR TYPE III BARRICADE DETAIL. PAINTED RAILS ARE NOT ACCEPTABLE. TYPE III TRAFFIC BARRICADE FACE RAILS SHALL HAVE RETRO-REFLECTORIZED SHEETING ATTACHED.

SIGNS TO BE MOUNTED ON TYPE III BARRICADES UPON ACTUAL CLOSING OF A SECTION OF ROAD.

CONDITION AND CARE OF EQUIPMENT

ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT CLEAN TO PROVIDE PROTECTION FOR THE CREW THROUGH BETTER VISIBILITY TO THE MOTORIST. THE CONDITION OF SIGNS AND TRAFFIC CONTROL DEVICES SHALL BE NEW OR "ACCEPTABLE" AS DEFINED IN THE BOOK "QUALITY GUIDELINES FOR WORK ZONE TRAFFIC CONTROL DEVICES", AND WILL BE ACCEPTED BASED ON A VISUAL INSPECTION. A SIGN OR TRAFFIC CONTROL DEVICE DETERMINED TO BE "NOT ACCEPTABLE" SHALL BE REMOVED FROM THE PROJECT.



TYPE III BARRICADE CONFIGURATION

SEE WSDOT STD PLAN K-80.20-00

LEGEND

- SIGN SINGLE POST
- SIGN DOUBLE POST
- TYPE III BARRICADE

2009 Edition MUTCD Page 581

GUIDANCE:

14 SIGNS MOUNTED ON TYPE 3 BARRICADES SHOULD NOT COVER MORE THAN 50 PERCENT OF THE TOP TWO RAILS OR 33 PERCENT OF THE TOTAL AREA OF THE THREE RAILS.

GENERAL NOTES:

- 1) ABBOTT RD, FROM SCARPELLI ST TO FERN AVE, MAY BE CLOSED TO THRU TRAFFIC FROM AUGUST 8, 2022 TO SEPTEMBER 2, 2022. FROM SEPTEMBER 2, 2022 TO THE END OF PROJECT, SINGLE LANE CLOSURE WITH FLAGGERS (FROM 6 AM TO 6 PM) SHALL BE USED FOR TRAFFIC CONTROL.
- 2) ALL SIGNS (THAT ARE NOT INDICATED TO BE ON TYPE III BARRICADES) MAY BE CLASS B SIGNS, IN LIEU OF CLASS A SIGNS.

SIGN SCHEDULE						
SIGN #	SIGN CODE*	QUANTITY	SIZE ENGLISH	COLOR	POST PER SIGN	DESCRIPTION
1	W20-1	7	36X36	BLACK / ORANGE	1	ROAD WORK AHEAD
2	W20-3	7	36X36	BLACK / ORANGE	1	ROAD CLOSED AHEAD
3	R11-4	3	60X30	BLACK / WHITE	1	ROAD CLOSED TO THRU TRAFFIC
4	M4-9L	3	30X24	BLACK / ORANGE	1	DETOUR / LEFT ARROW
5	M4-9R	3	30X24	BLACK / ORANGE	1	DETOUR / RIGHT ARROW
6	W20-2	6	36X36	BLACK / ORANGE	1	DETOUR AHEAD
7	R11-9A (L)	1	24X12	BLACK / WHITE	1	SIDEWALK CLOSED - LEFT ARROW
8	R11-9A (R)	1	24X12	BLACK / WHITE	1	SIDEWALK CLOSED - RIGHT ARROW
9	W21-1701	-	36X36	BLACK / ORANGE	1	MOTORCYCLES USE EXTREME CAUTION

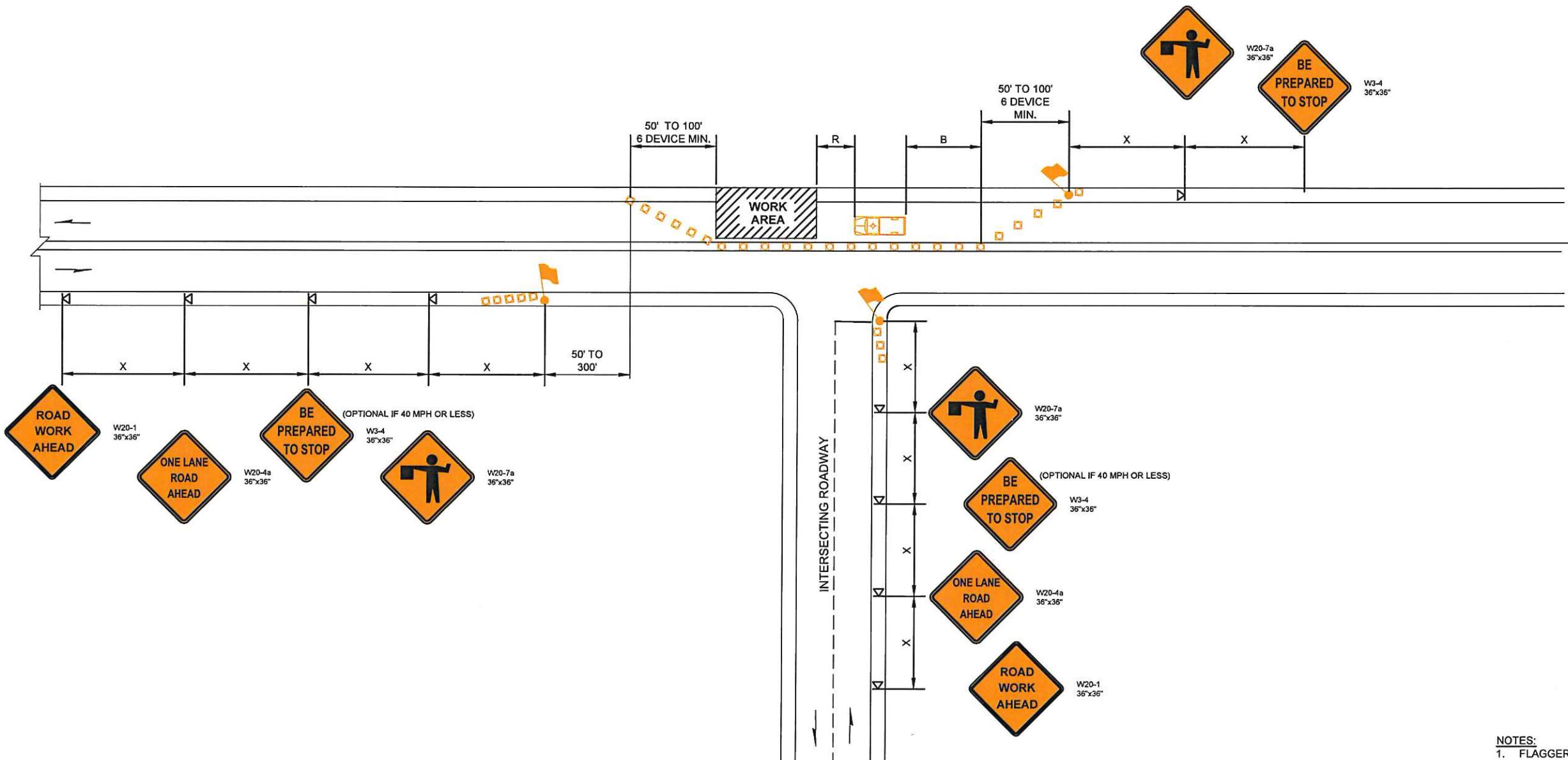
*NOTE: SIGN CODES PER MUTCD AND/OR WSDOT SIGN FABRICATION MANUAL

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (FEET)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,900 TO 22,000 LBS			HOST VEHICLE WEIGHT > 22,000 LBS							
< 45 MPH	45 - 55 MPH	> 55 MPH	< 45 MPH	45 - 55 MPH	> 55 MPH					
100'	123'	172'	74'	100'	150'					
PROTECTIVE VEHICLE (WORK VEHICLE) = R										
NO SPECIFIED DISTANCE REQUIRED										

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	800'
RURAL ROADS	45 / 55 MPH	500'
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' (2)
URBAN STREETS	25 MPH OR LESS	100' (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

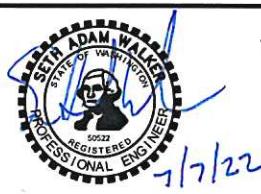
CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50 / 65	10 TO 20	80
35 / 45	10 TO 20	60
25 / 30	10 TO 20	40



NOTES:

- FLAGGERS SHALL NOT STOP TRAFFIC LONGER THAN 15 MIN.
- ALL SIGNS ARE BLACK ON ORANGE.
- EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
- NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR ADDITIONAL DETAILS.
- SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.

Project: ABBOTT RD ENGINEERING Abbott Road CRP 20-04 DESIGN TCP 062322.dwg					REGION NO.	STATE	FEDERAL AID PROJECT NO.
DRAWN: J. CHAPMAN					10	WASH	
DESIGNER: J. CHAPMAN							
CHECKED: M. JONES							
PROJ. ENG.: S. WALKER							
APPROVED BY: S. WALKER							
7/7/2022	REV DATE	REVISION	BY	APP'D			



Walla Walla County
PUBLIC WORKS DEPARTMENT
7/7/2022
PLOT DATE



ABBOTT ROAD SIDEWALK AND
STORMWATER IMPROVEMENTS
TRAFFIC CONTROL PLAN
LANE CLOSURE WITH FLAGGERS