



CITY OF ST. HELENS PLANS FOR PROPOSED PROJECT **GRADING, DRAINAGE & PAVING**

COLUMBIA BOULEVARD CULVERT COLMBIA BLVD. AT GABLE RD.

ST. HELENS, OREGON COLUMBIA COUNTY **SEPTEMBER 2022**





S. 05, T. 04 N., R. 01 W., W.M.

THE BEARINGS ARE GRID BASED ON OREGON COORDINATE SYSTEM, PORTLAND, (NAD 83 2011 EPOCH).

LOCATES (48 HOUR NOTICE PRIOR TO EXCAVATION)

OREGON LAW REQUIRES YOU TO FOLLOW THE RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES FROM THE CENTER BY CALLING (503) 232-1987

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

1-800-332-2344

(503) 397-3532, MUST BE NOTIFIED 48 HOURS IN ADVANCE TO COORDINATE ANY TAPS OR WATER VALVE OPERATION. THE CONTRACTOR IS NOT ALLOWED TO OPERATE ANY WATER VALVES CONTROLLING FLOW TO NEW PIPING FROM THE CITY'S POTABLE WATER SYSTEM

PROJECT NO. R-679B

PLANS PREPARED FOR CITY OF ST. HELENS

DAVID EVANS AND ASSOCIATES, INC. 5121 Skyline Villiage Loop S., Suite 200 Salem, Oregon 97306 Ph: 503.361.8635

These plans were developed using AASHTO design standards. Exceptions to these standards, if any, have been submitted and approved by the City of St. Helens Public Works Director or their delegated authority

> PLANS PREPARED FOR CITY OF ST. HELENS

Pal Terop - 9-23-2022

Signature & date

Paul Tappana, P.E. – Project Manager Print name and title

COLUMBIA BOULEVARD CULVERT SAINT HELENS, OREGON COLUMBIA COUNTY

COVER SHEET

SHEET NO. A01

INDEX OF SHEETS		
SHEET NO.	DESCRIPTION	
A01	COVER SHEET	
A02	INDEX & TYPICAL SECTION	
BB01	DETAILS	
BBO2	STORMWATER DETAILS	
HA01	CULVERT	
HA02	WATER OUALITY SWALE	

ODOT Standard Dwg. Nos.

RD300	-Trench backfill, Bedding, Pipe Zone and Multiple Installations
RD335	-Standard Storm Sewer Manhole
RD336	-Standard Manhole Details
RD344	-Standard Manhole Base Section
RD345	-Pipe to Manhole Connections
RD356	-Manhole Covers and Frames
RD360	-Manhole Frame Adjustment
RD386	-Fill Height Table for Circular Concrete Pipe
RD388	-Fill Height Table for PVC Pipe
RD1030	-Sediment Barrier Type 2, 3 and 4
RD1030 TM671	-Sediment Barrier Type 2, 3 and 4 -3-Second Gust Wind Speed Map
RD1030 TM671 TM681	-Sediment Barrier Type 2, 3 and 4 -3-Second Gust Wind Speed Map -Perforated Steel Square Tube (PSST) Sign Support Installation
RD1030 TM671 TM681 TM689	-Sediment Barrier Type 2, 3 and 4 -3-Second Gust Wind Speed Map -Perforated Steel Square Tube (PSST) Sign Support Installation -Temporary PSST Vane Anchor Installation
RD1030 TM671 TM681 TM689 TM800	-Sediment Barrier Type 2, 3 and 4 -3-Second Gust Wind Speed Map -Perforated Steel Square Tube (PSST) Sign Support Installation -Temporary PSST Vane Anchor Installation -Tables, Abrupt Edge and PCMS detail
RD1030 TM671 TM681 TM689 TM800 TM820	-Sediment Barrier Type 2, 3 and 4 -3-Second Gust Wind Speed Map -Perforated Steel Square Tube (PSST) Sign Support Installation -Temporary PSST Vane Anchor Installation -Tables, Abrupt Edge and PCMS detail -Temporary Barricades
RD1030 TM671 TM681 TM689 TM800 TM820 TM821	-Sediment Barrier Type 2, 3 and 4 -3-Second Gust Wind Speed Map -Perforated Steel Square Tube (PSST) Sign Support Installation -Temporary PSST Vane Anchor Installation -Tables, Abrupt Edge and PCMS detail -Temporary Barricades -Temporary Sign Supports
RD1030 TM671 TM681 TM689 TM800 TM820 TM821 TM822	-Sediment Barrier Type 2, 3 and 4 -3-Second Gust Wind Speed Map -Perforated Steel Square Tube (PSST) Sign Support Installation -Temporary PSST Vane Anchor Installation -Tables, Abrupt Edge and PCMS detail -Temporary Barricades -Temporary Sign Supports -Temporary Sign Supports

EROSION AND SEDIMENT CONTROL GENERAL NOTES

- 1. The construction, adjustment, maintenance, and upgrading of these Erosion and Sediment Control measures is the responsibility of the contractor for the duration of the project to comply with Section 00280 of the Oregon Standard Specifications for Construction.
- 2. Erosion and Sediment Control measures shown on this plan are for anticipated site conditions. Adjust or upgrade these measures for unexpected storm events to ensure that sediment and sediment-laden water does not leave the site.
- 3. Develop a revised plan of the Erosion and Sediment Control measures shown as required by Section 00280, Oregon Standard Specifications for Construction. Implement this plan for all clearing and grading activities and in segments applicable to each staging phase. Construct in such a manner so as to ensure that sediment and sediment-laden water does not enter the roadway or drainage system, or violate applicable water standards.
- 4. Install measure within the right-of-way unless directed otherwise.
- 5. Erosion control measures shown are limits of a "No-Work" zone in the protections zone and wetland areas. Work or site disturbance shall not occur outside erosion control limits.



STA. "L" 10+72.74 TO "L" 11+31.11 ROADWAY TYPICAL SECTION Scale: No Scale

	LEGEND		
EXISTING		PROPOSED	
	Easement line		*As noted:
	Property line/Right-of-Way line		C – Cable TV
СОМ СОМ	Communications line		D – Storm drain E – Electric
OPL OPL	Overhead power line		G - Gas Irr - Irrigation
GAS GAS	Gas line		S – Sanitary (manholes) –or– Signal (jun
SAN SAN SAN	Sanitary sewer line	$-\frac{8-50}{12}$	T – Telephone U – Unknown
STM STM	Storm sewer line –or– culvert		W – Water
— H20 — H20 — H20 —	Water line		
	Edge of pavement		
	Edge of gravel		
	Edge of concrete		
	Curb / Curb & gutter		
	Edge of sidewalk		Inlet protection
(M)	Manhole (As noted*)	• 🗙 🔶	
\mathbb{W}	Water Manhole		Check dam (see note
	Junction box (As noted*)		
J J	Utility pole		
\leftarrow	Guy anchor		
ЭС,	Fire hydrant	A	
	Inlet		
	Communication riser		
\bowtie	Water valve		
	Water meter	\boxtimes	
	Tree/bush	Θ	
GV	Gas valve		
 -	Traffic sign	—	

TYPICAL SECTION NOTES:

1. Side-slopes are shown as vert. to horiz. 2. Street connections, driveways, curb ramps and other unique features are not shown in the typical sections. Where they occur, the feature supercedes the typical section.

ABBREVIATIONS AC

Prop. PSST Pvm't.

Ref.

Reqd. . R/W

s / si.

Sched.

Shldr.

Sht.

SSC

Sta.

Std. TCD

ТСМ

ТСР Thkn.

TSS Тур.

SF

		ACP
		Approx.
		ASTM
		CACP
		Comp.
		Conc.
		Conn.
		Const.
		CPPR
holes) –or– Signal (junction boxes)		CY
		Dia.
		Dwa.
		Dwv.
		Ĕ
		Elev.
		Emb.
		E.O.P.
		Esm't.
		Exc.
		Extq.
		FDČ
		FL
Inlet protection		ID
		Inst.
Chack dam (saa nata far typa)	— ——	LED
Check dam (see note for type)		LF
		Lt. / Rt.
		Max.
		Min.
		Mod.
		No. / Nos.
		Nom.
		OD
		PC
		Р.С.
		PCC
		Perf.
		Perp.
		POC
		ΡΟΤ

Acres
Asphalt concrete pavement
Approximate
American Society for Testing and Materials
Commercial Asphalt Concrete Pavement
Compacted
Concrete
Connection
Construct
Cold plane pavement removal
Cubic vards
Diameter
Drawing
Drawing
Driveway
Exposure (curb)
Elevation
Embankment fill
Edge of Pavement
Easement
Excavation
Existing
Full Depth Construction
Flow line
Inside Diameter
Install
Light Emitting Diode
Linear feet
Left / Right
Maximum
Minimum
Modified
Number(s)
Nominal
Outside diameter
Point from tangent to circular curve
Portland Cement
Portland Cement Concrete (driveway)
Perforated
Perpendicular
Peint on horizontal surva
Point on horizontal curve
Point on tangent
Proposed
Perforated Steel Square Tube
Pavement
Reference
Required
Right of Way
Slope
Schedule
Square feet
Shoulder
Sheet
Stainless steel clamp
Station
Standard
Traffic Control Devices
Traffic Control Measures
Traffic Control Plan
Thickness
Temporary sign support
Typical
· · · · · · · · ·



COLUMBIA BOULEVARD CULVERT SAINT HELENS, OREGON COLUMBIA COUNTY

INDEX & TYPICAL SECTION







BEEHIVE OFFSET DETAIL No Scale





P·\\$\\$THN00000002\0400CAD\RH\RASF\$\\$THN0002_HA01_Pines_dwa = 9/23/2022_9·27_AM = Corev_Snielman



Const. water quality swale #1
Sta. "L" 11+38.82 to Sta. "L" 11+95.37
(For details, see sht. BB02)

Const. curb opening, Sta. 11+65.73 (For details, see sht. BB02)

Sta. "L" 11+92.84, 13.71' Rt. Const. manhole 48" dia. Manhole rim el. – 121.89' FL in – 117.25' (S 12") (See dwg. nos. RD335, RD336, RD344, RD345, & RD356)

 Sta. "L" 11+92.84, 20.86' Rt. Const. beehive overflow FL out - 117.33' (N 12") Inst. 12" drain pipe - 7.5', S=1.00% 5' depth FL (S) = 117.33' FL (N) = 117.25'

(For details, see sht. BB02) (See dwg. nos. RD300, RD386 & RD388) (5) Const. curb & gutter (mod.) - 57' (For details, see sht. BB02)

(6) Maintain & protect extg. water main

