

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
A01	Title Sheet
A02	Index Of Sheets Cont. & Std. Dwg. Nos.
AA01	Survey Control Data

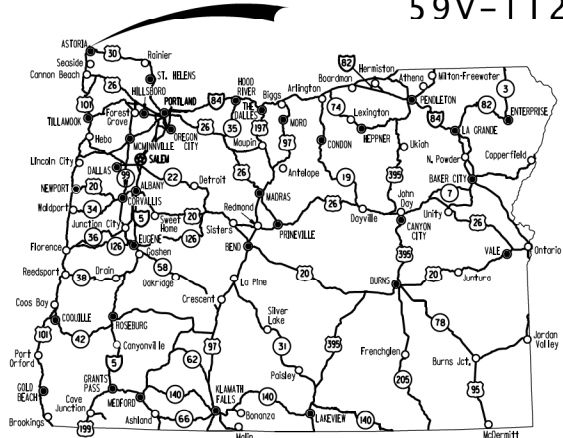
STATE OF OREGON
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED PROJECT

GRADING, STRUCTURES, PAVING, SIGNING, AND ROADSIDE DEVELOPMENT

US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY

CLATSOP COUNTY
OCTOBER 2026



Overall Length Of Project - 0.47 Miles

END OF CONTRACT

STA. "L" 339+15.1 (M.P. 3.79)

END OF PROJECT

STA. "L" 339+15.1 (M.P. 3.79)

BEGINNING OF CONTRACT

STA. "L" 312+48.00 (M.P. 3.27)

BEGINNING OF PROJECT

STA. "L" 314+90.00 (M.P. 3.32)



ATTENTION:
Oregon Law Requires You To Follow Rules Adopted By The Oregon Utility Notification Center. Those Rules Are Set Forth In OAR 952-001-0001 Through OAR 952-001-0100. You May Obtain Copies Of The Rules By Calling The Center (Note: The Telephone Number For The Oregon Utility Notification Center Is (503) 232-1987).



PLANS PREPARED FOR
OREGON DEPARTMENT OF TRANSPORTATION

**DAVID EVANS
AND ASSOCIATES INC.**
2100 S River Parkway, Suite 100
Portland Oregon 97201
Phone: 503.223.6663

OREGON TRANSPORTATION COMMISSION

Julie Brown
Lee Beyer
Jeff Baker
Phil Chang
Vacant
Chris Warner

CHAIR
VICE CHAIR
COMMISSIONER
COMMISSIONER
COMMISSIONER
INTERIM DIRECTOR OF
TRANSPORTATION

These plans were developed using ODOT design standards. Exceptions to these standards, if any, have been submitted and approved by the ODOT Chief Engineer or their delegated authority.

Approving Authority: DIGITALLY SIGNED 2026.08.21 09:44:47-07'00'

Signature & date

Douglas Johnson, Project Manager

Print name and title

PELTZ Tova R Digitally signed by PELTZ Tova R Date: 2026.08.28 10:25:50 -07'00'

Concurrence by ODOT Chief Engineer

US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

FEDERAL HIGHWAY ADMINISTRATION	PROJECT NUMBER	SHEET NO.
OREGON DIVISION	S009(528)	A01



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C01A	Profile
C02	General Construction
C02A	Profile
C03	General Construction
C03A	Profile
TRAFFIC CONTROL	
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EB01, EB02	Traffic Control Detour Plan
EC01 Thru EC12 Incl.	Traffic Control Plan
ENVIRONMENTAL	
FB01	Erosion and Sediment Control
BRIDGE	
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J02	General Plan (2 of 4)
J03	General Plan (3 of 4)
J04	General Plan (4 of 4)
J05	General Notes
J06	Construction Sequence
J07	Staging Details (1 of 4)
J08	Staging Details (2 of 4)
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J11	Rail Retrofit Details (1 of 6)
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J20	Sign Support Details
PERMANENT SIGNING	
LA01, LA02	Signing Plan
LB01	Sign Details & Sign and Post Data Table
PERMANENT PAVEMENT MARKINGS	
QA01 Thru QA03 Incl.	Pavement Marking Plan

Standard Drg. Nos.

- RD366

RD376
- Concrete Inlets Type CG-1, CG-2

- Miscellaneous Drainage Structures Siphon Box, Inlet Cap & Inlet Adjustment
- RD402

RD403

RD404

RD407

RD409

RD410

RD416

RD417

RD419

RD420

RD442A

RD442B

RD482
- Midwest Guardrail System Types

- Midwest Guardrail System Wood Post And Block

- Midwest Guardrail System Steel Post and Block

- Midwest Guardrail System (W-Beam)

- Thrie Beam Guardrail

- Thrie Beam Guardrail Transition

- Midwest Guardrail System Standard Hardware (Nuts, Bolts, Washers And Misc.)

- Midwest Guardrail System End Sections

- Midwest Guardrail System Grading For Terminals

- Midwest Guardrail System Non-Flared Energy-Absorbing Terminal

- Midwest Guardrail System Typical Layouts at Bridge Ends - 1 of 2

- Midwest Guardrail System Typical Layouts at Bridge Ends - 2 of 2

- Midwest Guardrail System Type 3 (Nested W-Beam)
- RD505

RD580
- Concrete Barrier Cast-In-Place

- Midwest Guardrail System Transition to Concrete Barrier
- RD700
- Curbs
- RD1010

RD1030
- Inlet Protection Type 2, 3, 6, 7, 10 and 11

- Sediment Barrier Type 2, 3 and 4
- TM200

TM201
- Sign Installation Details

- Miscellaneous Sign Placement Details
- TM500

TM501

TM521

TM560

TM570

TM571
- Pavement Marking Standard Detail Blocks

- Pavement Marking Standard Detail Blocks

- Durable & High Performance Pavement Markings Surface & Groove Installed Non-Profiled

- Alignment Layout: General

- Traffic Delineators

- Traffic Delineators Steel Post Details
- TM601

TM602

TM635

TM671

TM675

TM676

TM681

TM687

TM688

TM689
- Multi-Post Breakaway Sign Supports Details

- Triangular Base Breakaway Multi-Directional Slip Base Design

- Breakaway Sign & Luminaire Supports - Support Location Guidelines

- 3 Second Gust Wind Speed Map

- Extruded Aluminum Panels

- Sign Attachments

- Perforated Steel Square Tube (PSST) Sign Support Installation

- Perforated Steel Square Tube (PSST) Anchor Foundation

- Perforated Steel Square Tube (PSST) Slip Base FOundation

- Temporary PSST Vane Anchor Installation
- TM800

TM810

TM820

TM821

TM822

TM840

TM841

TM843

TM850

TM855
- Tables, Abrupt Edge and PCMS Details

- Temporary Pavement Markings

- Temporary Barricades

- Temporary Sign Supports

- Temporary Sign Supports

- Closure Details

- Intersection Work Zone Details

- Multi-Lane Signalized Intersection Details

- 2-Lane, 2-Way Roadways

- 2-Lane, 2-Way Roadway



US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

FEDERAL HIGHWAY ADMINISTRATION	PROJECT NUMBER	SHEET NO.
OREGON DIVISION	SEE SHEET A01	A02

Standard Drawings located on the web at:
<http://www.oregon.gov/ODOT/Engineering/Pages/Standards.aspx>

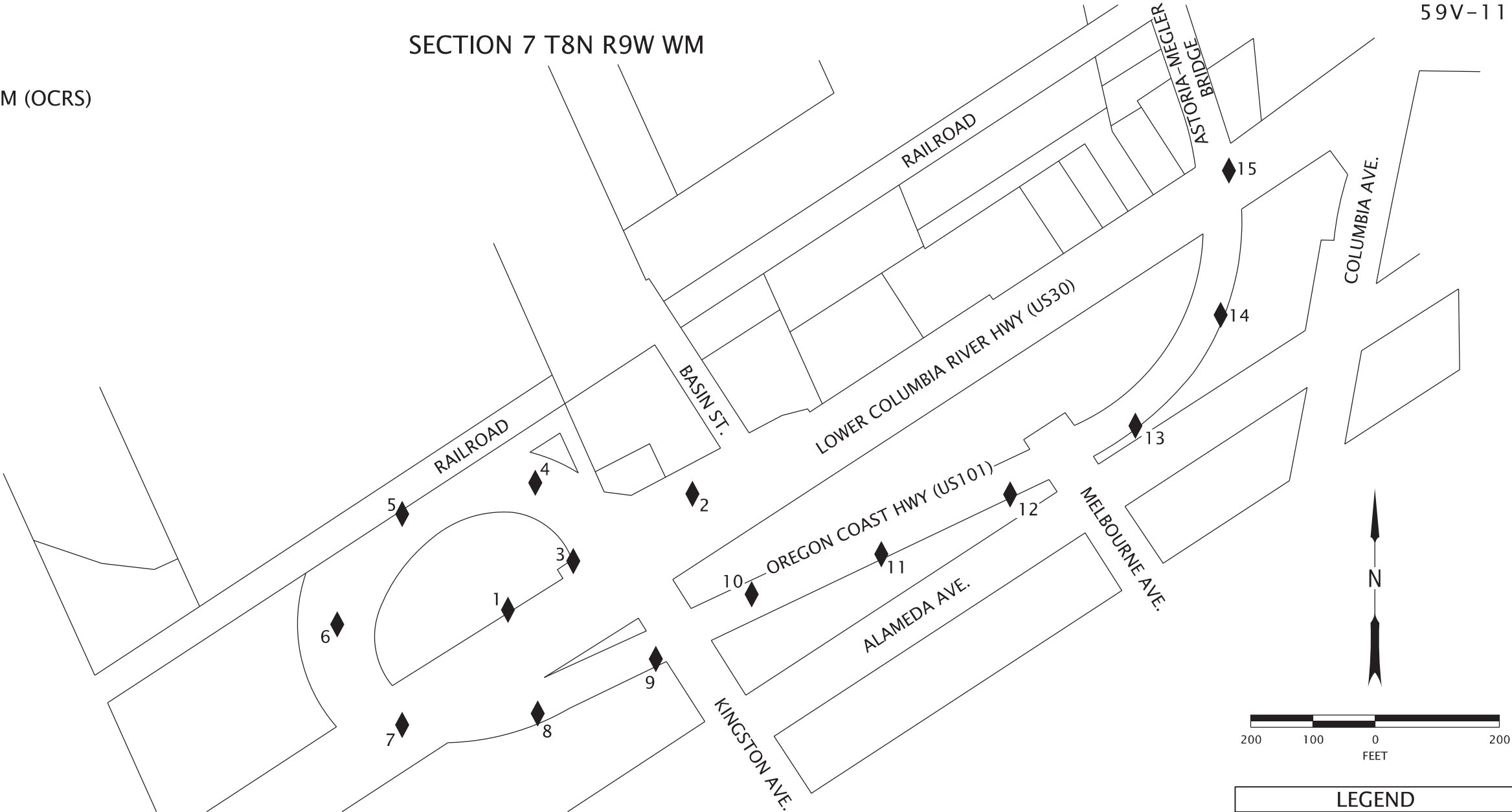
NOTES:

COORDINATE SYSTEM:
OREGON COORDINATE REFERENCE SYSTEM (OCRS)
COLUMBIA RIVER WEST ZONE
INTERNATIONAL FEET

HORIZONTAL DATUM:
NAD 83 (2011) EPOCH 2010.00

VERTICAL DATUM:
NAVD88; GPS DERIVED (GEOID 12A)

FIELD VERIFY ALL CONTROL BEFORE USE.



CONTROL TABLE

POINT	OCRS NORTHING	OCRS EASTING	NAVD 88 ELEVATION	DESCRIPTION
1	709101.66	336028.38	30.07	FOUND 3" BD "OREGON DEPT. OF TRANS. CONTROL OTAK INC 10803-6"
2	709288.24	336325.26	27.78	SET 1/2" IR W/RPC "DEA CONTROL"
3	709180.13	336133.58	28.95	FOUND 3" BD "OSHD RP EQU/POT 12+55=340+36.82 70.22RT REFERENCE"
4	709306.11	336072.39	31.45	SET MAG NAIL W/WASHER
5	709255.86	335858.27	38.49	SET MAG NAIL W/WASHER
6	709078.27	335753.72	47.27	SET SCRIBED "X" IN CONCRETE
7	708916.39	335858.08	56.10	SET SCRIBED "X" IN CONCRETE
8	708934.83	336076.22	66.05	SET SCRIBED "X" IN CONCRETE
9	709022.52	336266.41	75.79	SET SCRIBED "X" IN CONCRETE
10	709126.66	336420.51	84.46	SET SCRIBED "X" IN CONCRETE
11	709191.20	336629.18	94.73	SET SCRIBED "X" IN CONCRETE
12	709287.34	336836.46	106.84	SET SCRIBED "X" IN CONCRETE
13	709397.90	337038.05	119.16	SET SCRIBED "X" IN CONCRETE
14	709576.18	337175.27	131.27	SET SCRIBED "X" IN CONCRETE
15	709808.51	337188.48	143.93	SET SCRIBED "X" IN CONCRETE

LEGEND

◆

CONTROL POINT

BD BRASS DISK

IR IRON ROD

RPC RED PLACTIC CAP

W/ WITH

REGISTERED
PROFESSIONAL
LAND SURVEYOR

DIGITALLY SIGNED 2026.08.17
13:31:22-07'00'

OREGON
JULY 13, 2021
KEITH LYMAN
94803

RENEWS: 12/31/2026

DAVID EVANS
AND ASSOCIATES INC.

2100 S River Parkway, Suite 100
Portland Oregon 97201
Phone: 503.223.6663

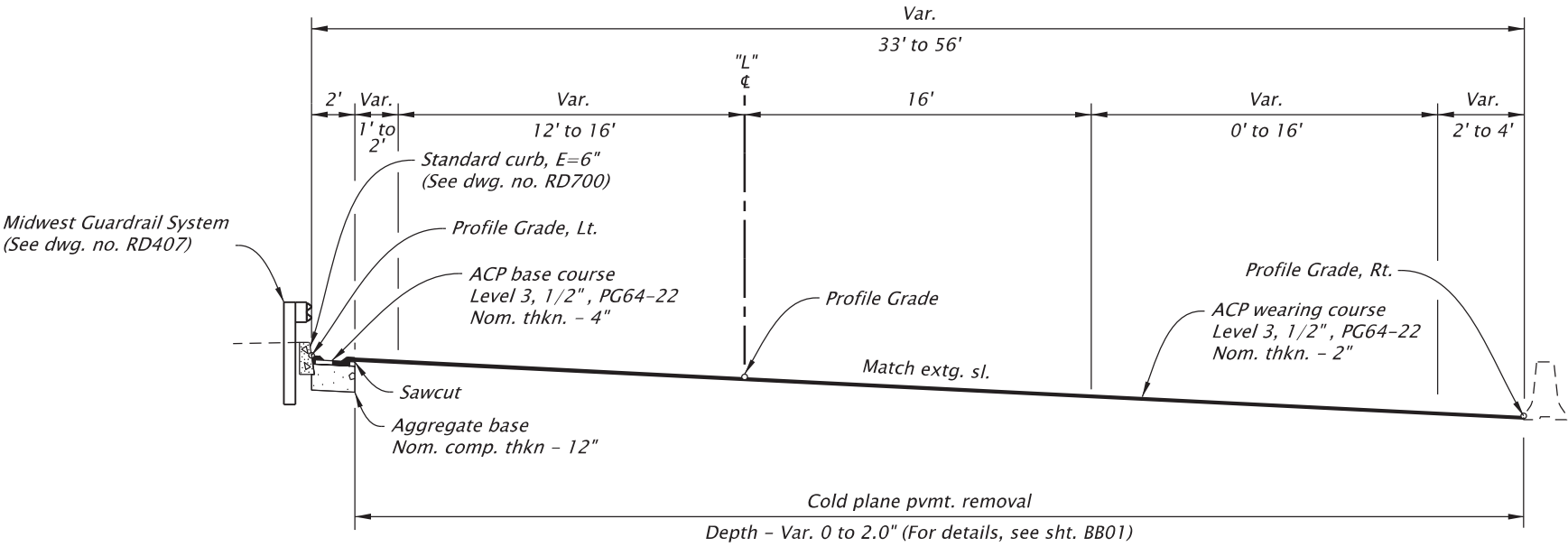
US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

Survey Manager: C. D'ORAZIO Lead Surveyor: K. LYMAN
Project Surveyor: K. LYMAN Drafter: K. DAVIS

SURVEY CONTROL DATA

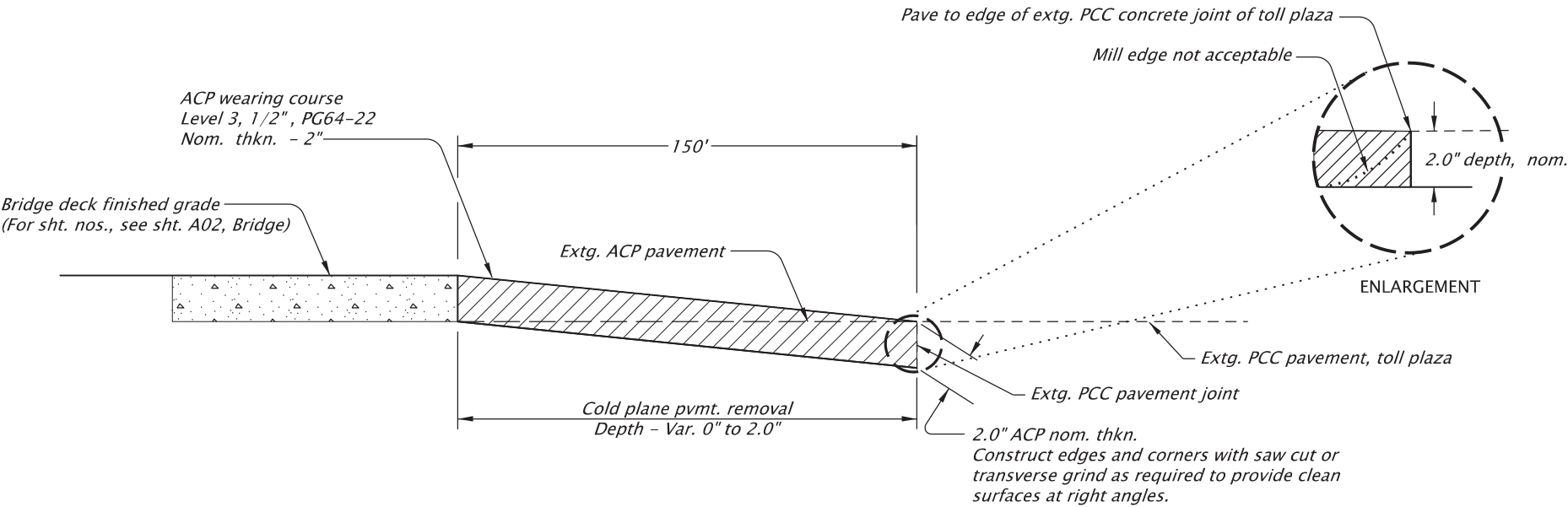
SHEET NO.
AA01



STA. "L"333+47.8 TO STA. "L"335+00.0

REGISTERED PROFESSIONAL
ENGINEER
103724PL
DIGITALLY SIGNED 2026.08.17 08:40:58-07'00'
OREGON
MAY 14, 2024
SAMANTHA WILLIS
RENEWES: 06-30-2028

 DAVID EVANS AND ASSOCIATES INC. 2100 S River Parkway, Suite 100 Portland Oregon 97201 Phone: 503.223.6663		
US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT		
OREGON COAST HIGHWAY CLATSOP COUNTY		
Designer: Samantha Willis		Reviewer: Mike Morris
CADD Tech: Sarah Daley		Checker: Ted Stewert
TYPICAL SECTIONS		SHEET NO. BA01



Note: Max. cold-plane pavement removal depth is to the top of existing conc. end panel.

APPROACH PAVING TERMINATION JOINT DETAIL

REGISTERED PROFESSIONAL
ENGINEER
103724PL
DIGITALLY SIGNED 2026.08.17
08:42:50-07'00'
OREGON
MAY 14, 2024
SAMANTHA WILLIS

RENEWES: 06-30-2028

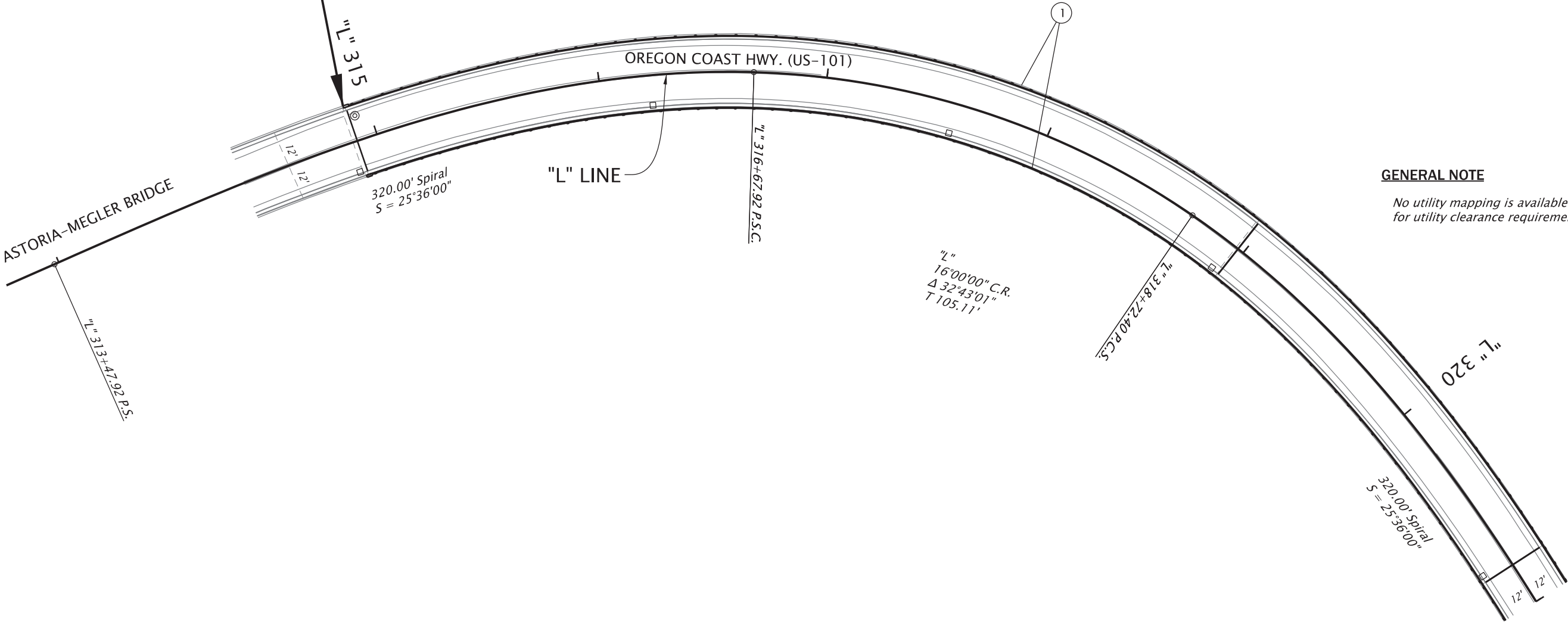
 DAVID EVANS AND ASSOCIATES INC. 2100 S River Parkway, Suite 100 Portland Oregon 97201 Phone: 503.223.6663		
US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT		
OREGON COAST HIGHWAY CLATSOP COUNTY		
Designer: Samantha Willis		Reviewer: Mike Morris
CADD Tech: Sarah Daley		Checker: Ted Stewert
DETAILS		SHEET NO. BB01

T. 8N., R. 9W., W.M.

CONSTRUCTION NOTES

- ① Structure no. 07949F
Const. bridge rail
Const. HESC overlay
(For sht. nos., see sht. A02, Bridge)

BEGINNING OF PROJECT
STA. "L" 314+90.00 (M.P. 3.32)



GENERAL NOTE

No utility mapping is available. See specifications for utility clearance requirements



RENEWS: 06-30-2028



**DAVID EVANS
AND ASSOCIATES INC.**
2100 S River Parkway, Suite 100
Portland Oregon 97201
Phone: 503.223.6663



**US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT**

OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Samantha Willis

Reviewer: Mike Morris

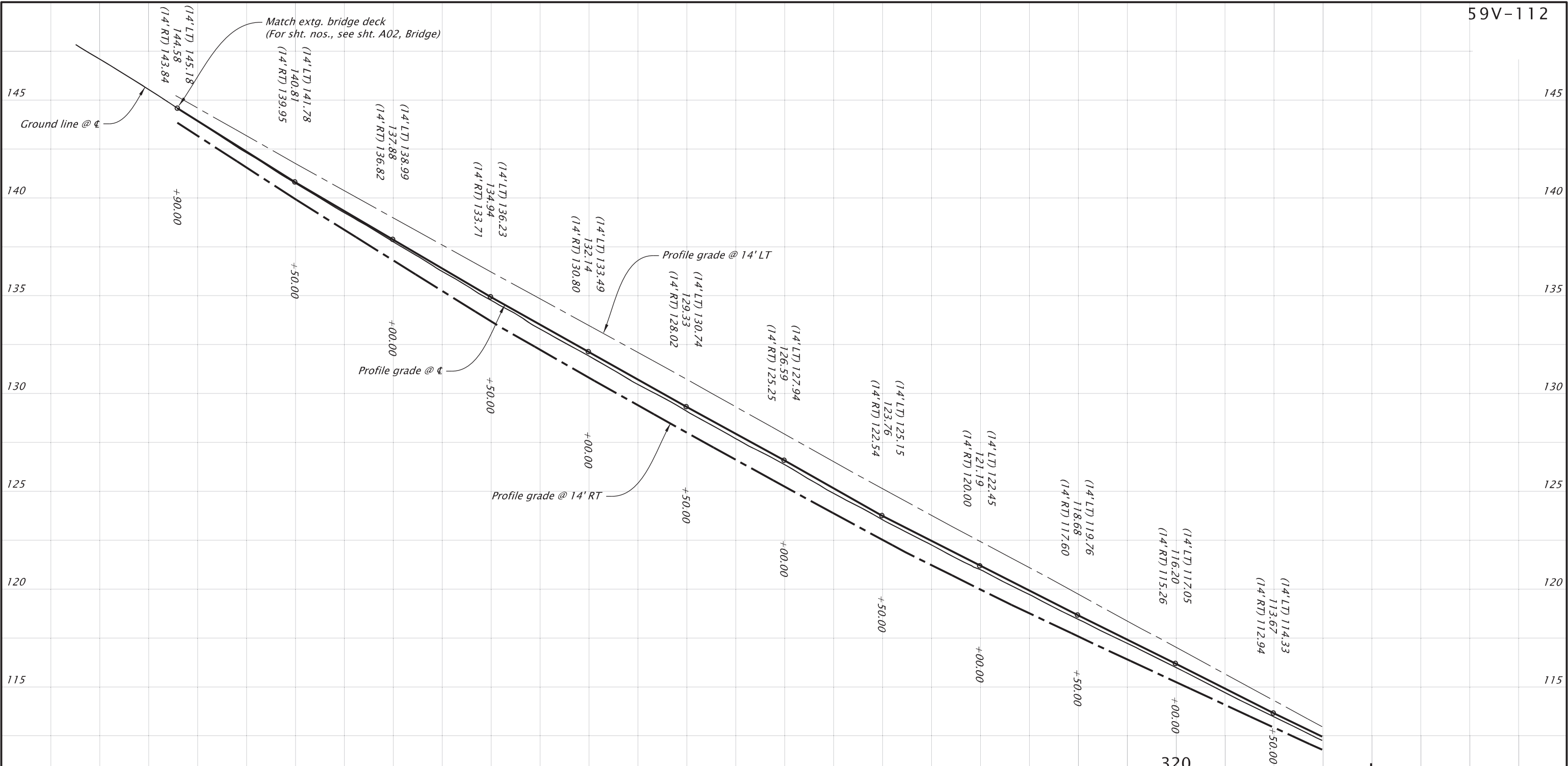
CADD Tech: Sarah Daley

Checker: Ted Stewert

GENERAL CONSTRUCTION

SHEET NO.

C01



REGISTERED PROFESSIONAL
ENGINEER
103724PL
DIGITALLY SIGNED 2026.08.17
08:49:14-07'00"
OREGON
MAY 14, 2024
SAMANTHA WILLIS

RENEWS: 06-30-2028



DAVID EVANS
AND ASSOCIATES INC.
2100 S River Parkway, Suite 100
Portland Oregon 97201
Phone: 503.223.6663



US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Samantha Willis

Reviewer: Mike Morris

CADD Tech: Sarah Daley

Checker: Ted Stewert

PROFILE

SHEET NO.
C01A

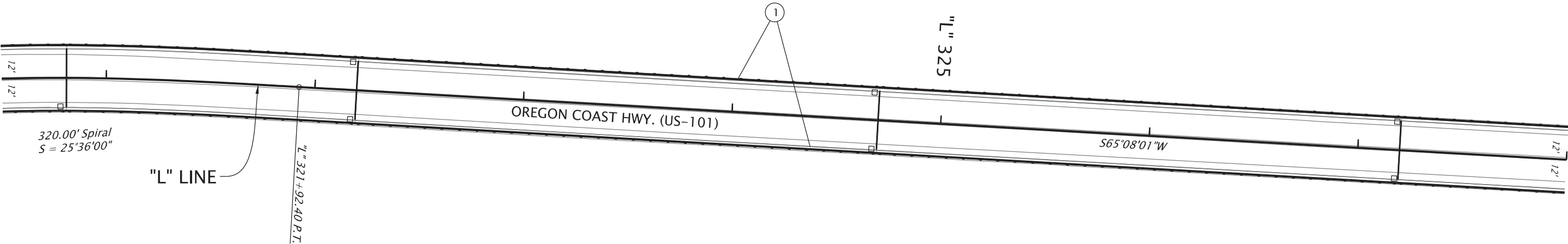
T. 8N., R. 9W., W.M.

CONSTRUCTION NOTES

- 1
- Structure no. 07949F
Const. bridge rail
Const. HESC overlay
(For sht. nos., see sht. A02, Bridge)

GENERAL NOTE

No utility mapping is available. See specifications
for utility clearance requirements



RENEWS: 06-30-2028



2100 S River Parkway, Suite 100
Portland Oregon 97201
Phone: 503.223.6663



US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Samantha Willis

Reviewer: Mike Morris

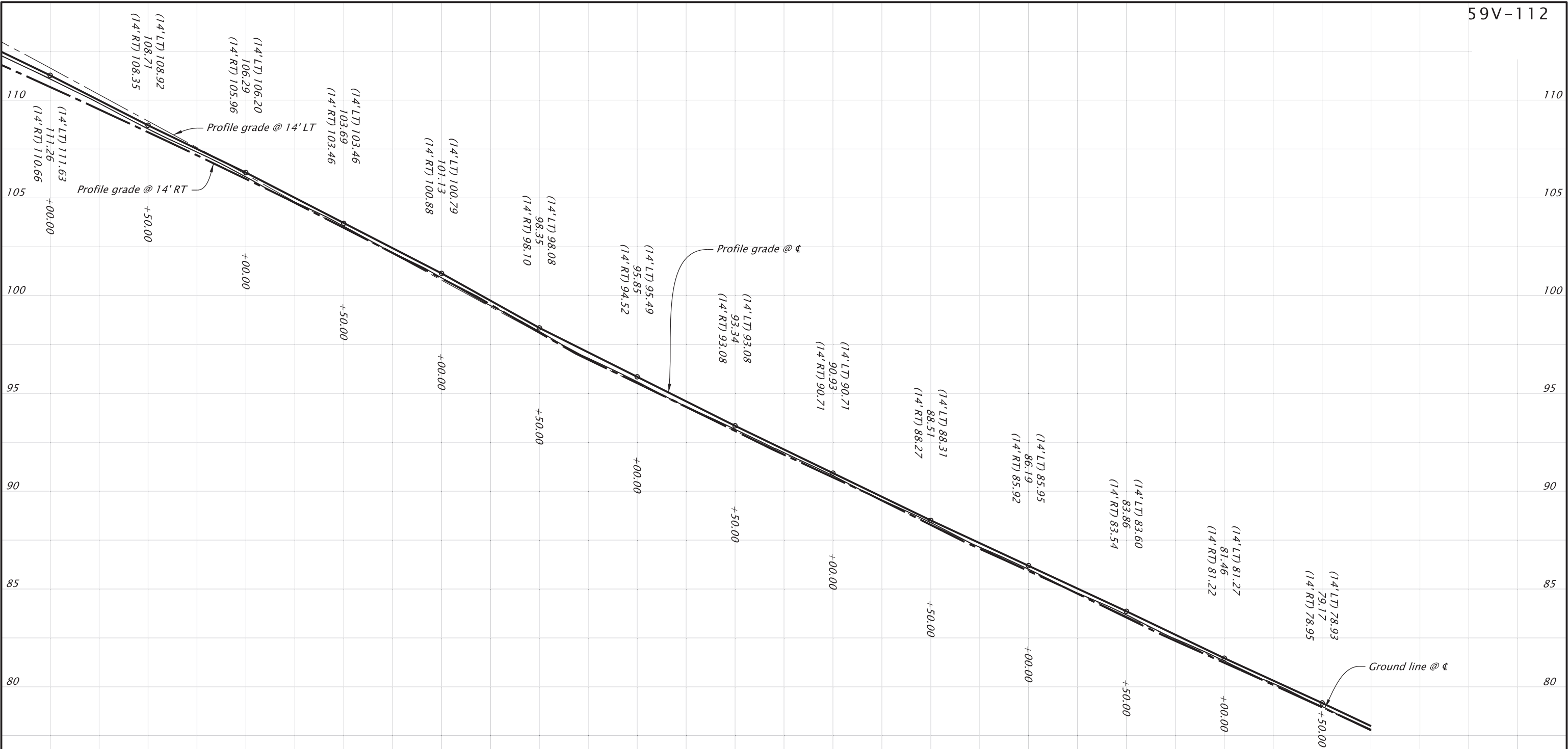
CADD Tech: Sarah Daley

Checker: Ted Stewart

GENERAL CONSTRUCTION

SHEET NO.

C02



REGISTERED PROFESSIONAL
ENGINEER
103724PL
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OREGON
MAY 14, 2024
SAMANTHA WILLIS
RENEWS: 06-30-2028



**DAVID EVANS
AND ASSOCIATES INC.**
2100 S River Parkway, Suite 100
Portland Oregon 97201
Phone: 503.223.6663

US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Samantha Willis
CADD Tech: Sarah Daley

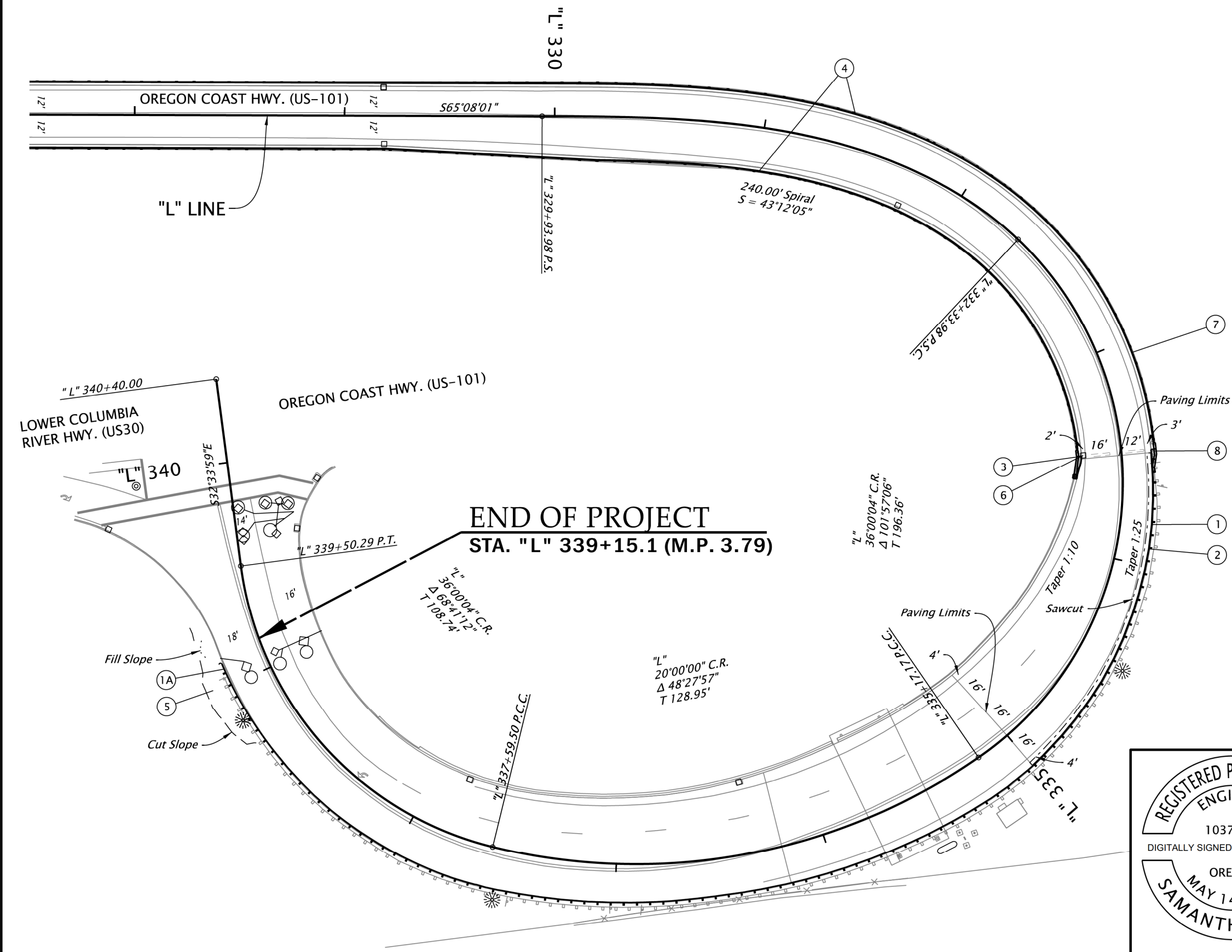
Reviewer: Mike Morris
Checker: Ted Stewart

PROFILE

SHEET NO.
C02A

FINAL ELECTRONIC DOCUMENT
AVAILABLE UPON REQUEST

T. 8N., R. 9W., W.M.

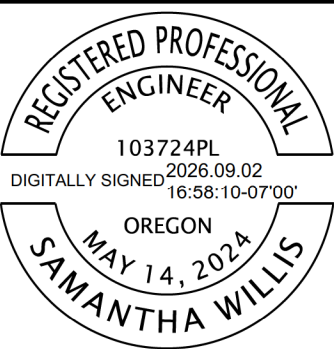


CONSTRUCTION NOTES

- 1 Sta. "L" 333+60.6 to Sta. "L" 339+10.0, Lt.
Remove extg. guardrail - 620'
Const. guardrail to barrier transition
Const. Midwest Guardrail System, Type 3 - 12.5'
Const. Midwest Guardrail System, Type 2A - 537.5'
- 1A Const. guardrail terminal, non-flared
Test level 3
W = 1, E = 0
(See dwg. no. RD402, RD403, RD404, RD407, RD409, RD410, RD416, RD417, RD420, RD442A, RD442B, RD482, & RD580)
- 2 Sta. "L" 333+60.6 to Sta. "L" 335+00.0, Lt.
Const. standard curb
Match extg. curb
(See dwg. no. RD700)
- 3 Sta. "L" 333+47.8 to Sta. "L" 333+58.6, Rt
Remove extg. conc. barrier - 12.5'
Const. conc. barrier - 10.8'
Const. conc. barrier transition to bridge rail
(For details, see sht. J14)
(See dwg. no. RD505)
- 4 Structure no. 07949F
Const. bridge rail
Const. HESC overlay
(For sht. nos., see sht. A02, Bridge)
- 5 Sta. "L" 338+59.9 to Sta. 339+40.0, Lt.
Const. guardrail terminal grading
Exc. 34 cu. yd.
Emb. 1 cu. yd.
(See dwg. no. RD419)
- 6 Adjust inlet
(See dwg. nos. RD366 & RD376)
- 7 Remove extg. electrical line connected to bridge (By others)
- 8 Sta. "L" 333+49.3 to Sta. "L" 333+60.6, Lt
Const. conc. barrier - 11.3'
Const. conc. barrier transition to bridge rail
(For details, see sht. J15)
(See dwg. no. RD505)

GENERAL NOTE

No utility mapping is available. See specifications for utility clearance requirements



RENEWS: 06-30-2028



**DAVID EVANS
AND ASSOCIATES INC.**
2100 S River Parkway, Suite 100
Portland Oregon 97201
Phone: 503.223.6663



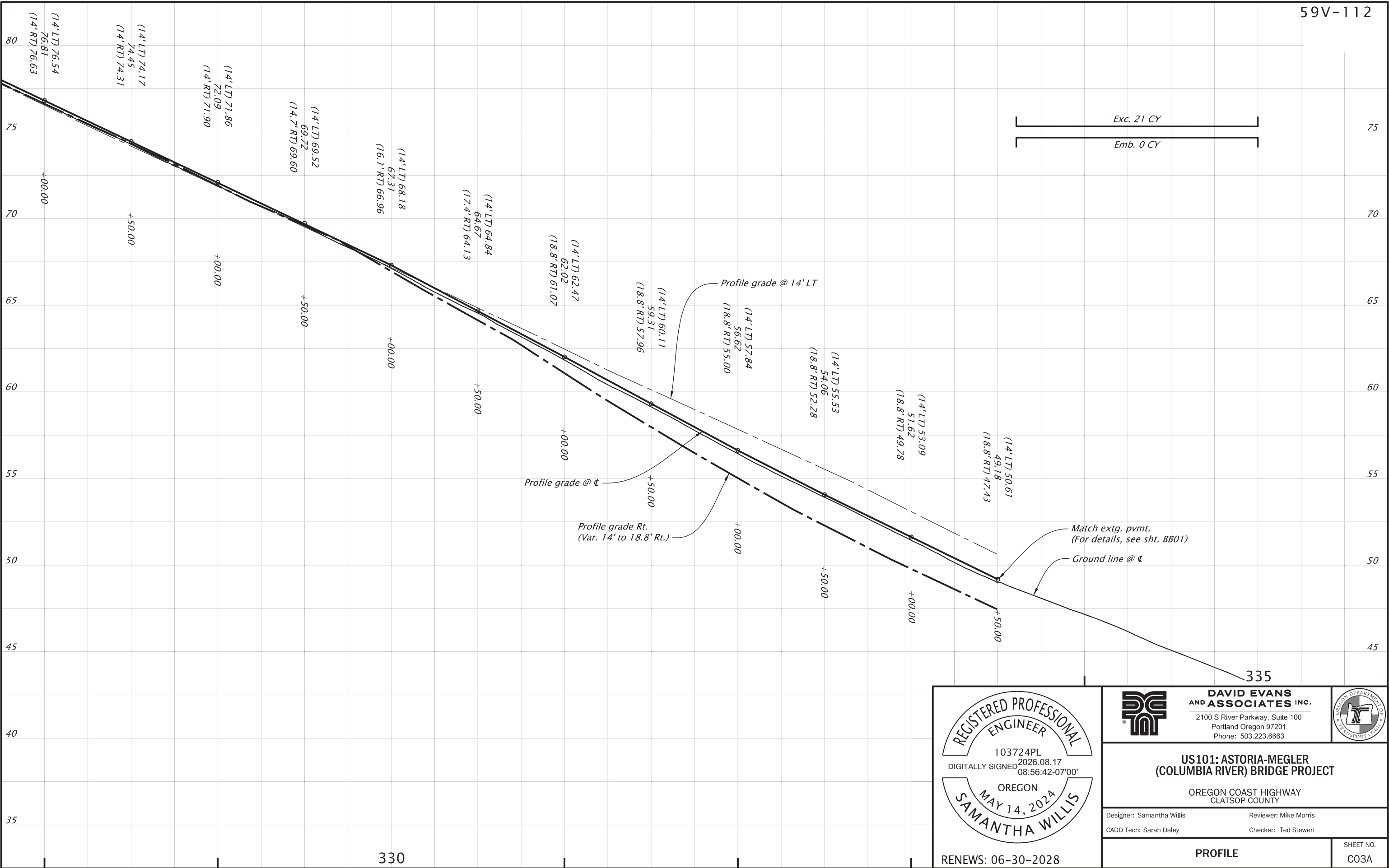
US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Samantha Willis Reviewer: Mike Morris
CADD Tech: Sarah Daley Checker: Ted Stewart

GENERAL CONSTRUCTION

SHEET NO.
C03



REGISTERED PROFESSIONAL
ENGINEER
103724PL
DIGITALLY SIGNED 2026.08.17 08:56:42-07'00'
OREGON
MAY 14, 2024
SAMANTHA WILLIS
RENEWS: 06-30-2028

 DAVID EVANS AND ASSOCIATES INC. 2100 S River Parkway, Suite 100 Portland Oregon 97201 Phone: 503.223.6663		
US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT		
OREGON COAST HIGHWAY CLATSOP COUNTY		
Designer: Samantha Willis		Reviewer: Mike Morris
CADD Tech: Sarah Daley		Checker: Ted Stewart
PROFILE		SHEET NO. C03A

Display two weeks before
first daily lane closure of Stage I.

PCMS #1

ASTORIA BRIDG LN CLOSURES	WKDAY LN CLOSURES 6AM-8PM
---------------------------------	---------------------------------

PORTABLE CHANGEABLE MESSAGE SIGN

(Suggested Message)
(Locate As Directed)

PCMS #2

ASTORIA BR WKDAY LN CLOS	LN CLOS STARTING MMM DD
--------------------------------	-------------------------------

PORTABLE CHANGEABLE MESSAGE SIGN

(Suggested Message)
(Locate As Directed)

ADVANCE NOTIFICATION

DAYTIME ONE-LANE CLOSURES

BRIDGE RAIL WORK - STAGES I - II

Display two weeks before first
overnight full bridge closure.

PCMS #1

ASTOR BR CLOSURES BEG M/DD	8PM-6AM NIGHTLY CLOSURES
----------------------------------	--------------------------------

PORTABLE CHANGEABLE MESSAGE SIGN

(Suggested Message)
(Locate As Directed)

PCMS #2

STARTING MM/DD BR CLOSURES	ASTOR BR NIGHTLY CLOSURES
----------------------------------	---------------------------------

PORTABLE CHANGEABLE MESSAGE SIGN

(Suggested Message)
(Locate As Directed)

OVERNIGHT FULL BRIDGE CLOSURES

DECK WORK - STAGES III - VIII

Display Sunday – Friday
during nightly bridge closures.

PCMS #1

ASTORIA BRIDGE CLOSED	BR CLOSD SUN-FRI 8PM-6AM
-----------------------------	--------------------------------

PORTABLE CHANGEABLE MESSAGE SIGN

(Suggested Message)
(Locate As Directed)

PCMS #2

ASTORIA BR CLOSD USE DETR	CLOSED 8PM-6AM SUN-FRI
---------------------------------	------------------------------

PORTABLE CHANGEABLE MESSAGE SIGN

(Suggested Message)
(Locate As Directed)

OVERNIGHT FULL BRIDGE CLOSURES

DECK WORK - STAGES III - VIII

PCMS #1

ASTOR BR 13FT MAX WIDTH	MAX 13FT WIDE ON US101 BR
-------------------------------	---------------------------------

PORTABLE CHANGEABLE MESSAGE SIGN

(Recommended Messages)

PCMS #2

13FT MAX WIDTH ON US101 BR	US101 MAX 13FT WIDTHS
----------------------------------	-----------------------------

PORTABLE CHANGEABLE MESSAGE SIGN

(Recommended Messages)

DAYTIME ONE-LANE CLOSURES

BRIDGE RAIL WORK - STAGES I - II

PCMS #1

ASTOR BR 11FT MAX WIDTH	MAX 11FT WIDE ON US101 BR
-------------------------------	---------------------------------

PORTABLE CHANGEABLE MESSAGE SIGN

(Suggested Message)
(Locate As Directed)

PCMS #2

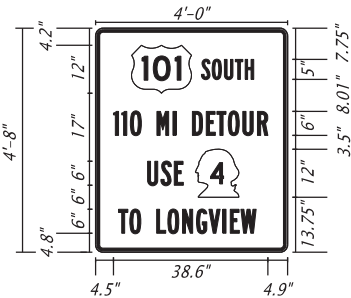
11FT MAX WIDTH ON US101 BR	US101 MAX 11FT WIDTHS
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PORTABLE CHANGEABLE MESSAGE SIGN

(Suggested Message)
(Locate As Directed)

DAYTIME ONE-LANE CLOSURES

DECK WORK - STAGES III - VIII



NOTES:

- 1) Fabricate all custom temporary signs with fluorescent orange, wide angle prismatic sheeting with black non-reflective legend, unless otherwise shown.
- 2) Fabricate "101" and "4" route shields using white retroreflective sheeting with black non-reflective legend.
- 3) Within Washington State, install temporary signs on supports, as shown, or as directed. See Drg. No. TM821 for TSS details. Refer to Transportation Management Plan (TMP) for additional TSS-related guidance.

To be accompanied by Standard Drawings:
TM501, TM800, TM810, TM820, TM821,
TM822, TM840, TM841, TM843, TM850, TM855



RENEWS: 12-31-2026



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



US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Scott McCanna

Reviewer: Dana Shuff

CADD Tech: Tammy Taggart

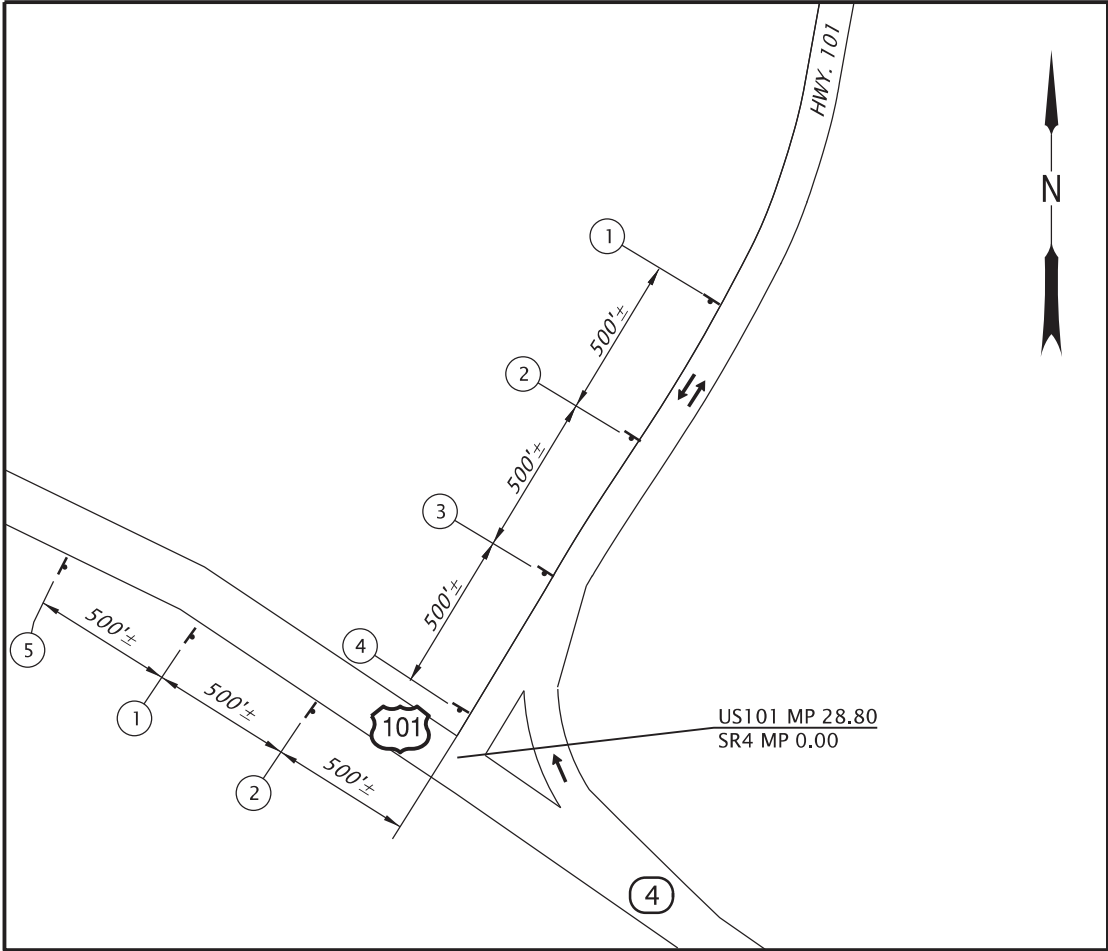
Checker: Shelly Alexander

TRAFFIC CONTROL DETAILS

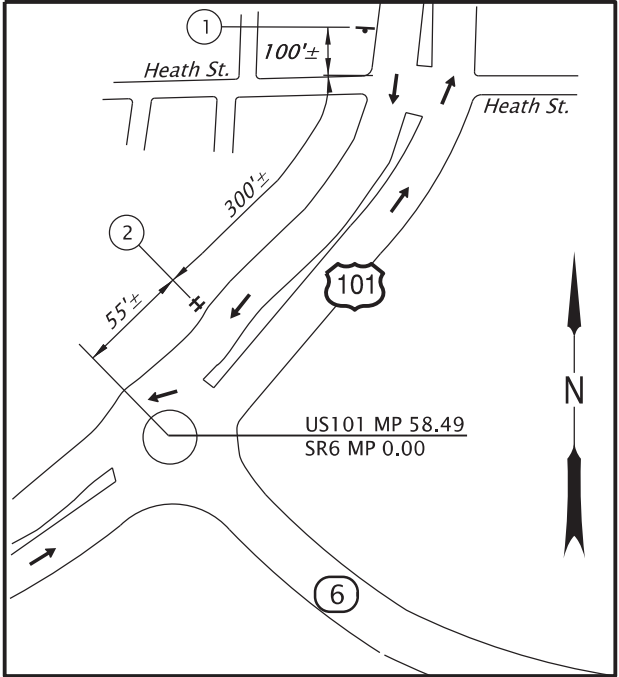
SHEET NO.

EA01

US101 DETOUR - US101 / WA-4 JUNCTION



US101 DETOUR - RAYMOND, WA



ASTORIA BRIDGE 101
ONE LANE OPEN
MON - THU 6AM - 8PM
BRIDGE CLOSED OVERNIGHT

101 SOUTH
110 MI DETOUR
USE 4
TO LONGVIEW

DETOUR SOUTH
101
M3-3 24x12
M5-1L 21x15
M4-8 24x12
M1-4 30x24

DETOUR SOUTH
101
M3-3 24x12
M6-1L 21x15
M4-8 24x12
M1-4 30x24

1
4 reqd.
(See EA01 for details)

2
3 reqd.
(See EA01 for details)

3
1 reqd.

4
1 reqd.

ROAD
WORK
AHEAD
W20-1

LEFT
TURN LANE
CLOSED
AHEAD
CW23-12

LEFT
TURN LANE
CLOSED
CW23-13

R3-2
36X36

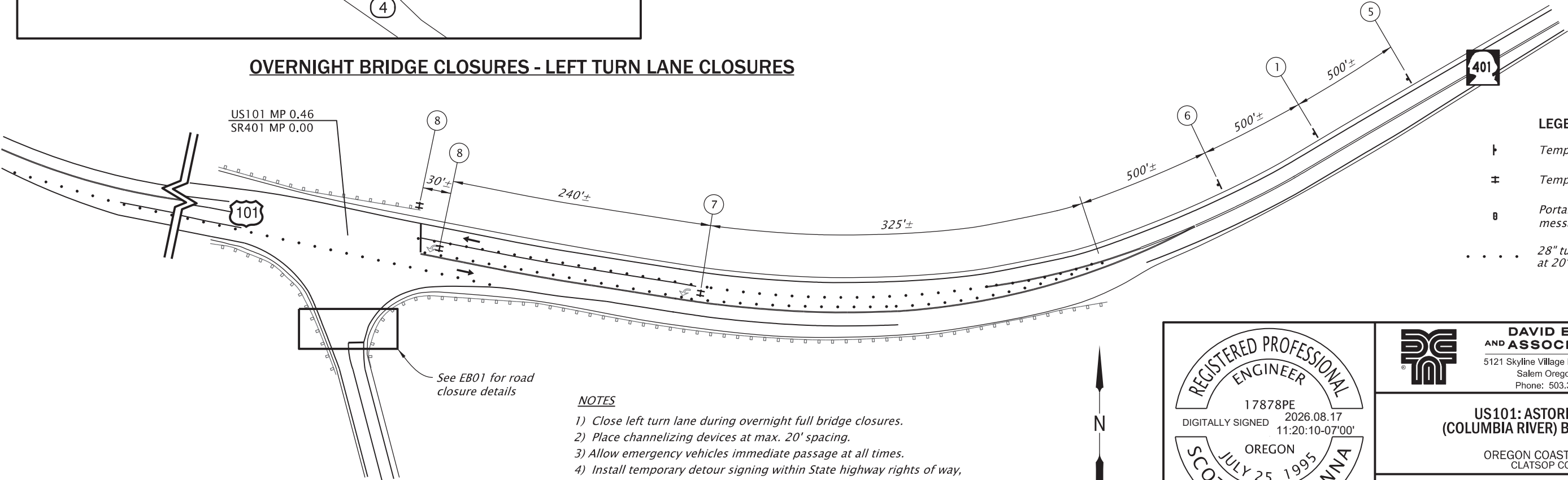
5
2 reqd.

6
1 reqd.

7
1 reqd.

8
2 reqd.

OVERNIGHT BRIDGE CLOSURES - LEFT TURN LANE CLOSURES



LEGEND

- Temporary Sign
- Temporary Sign Support (TSS)
- Portable changeable message sign (PCMS)
- 28" tubular markers at 20' max. spacing

NOTES

- 1) Close left turn lane during overnight full bridge closures.
- 2) Place channelizing devices at max. 20' spacing.
- 3) Allow emergency vehicles immediate passage at all times.
- 4) Install temporary detour signing within State highway rights of way, as shown or as directed.
- 5) Within Washington State, install temporary signs on supports, as shown, or as directed. See Dwg. No. TM821 for TSS details. Refer to Transportation Management Plan (TMP) for additional TSS-related guidance.

REGISTERED PROFESSIONAL
ENGINEER
17878PE
DIGITALLY SIGNED 2026.08.17
11:20:10-07'00'
OREGON
JULY 25, 1995
SCOTT M. MCCANNA

RENEWES: 12-31-2026

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

US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Scott McCanna

Reviewer: Dana Shuff

CADD Tech: Tammy Taggart

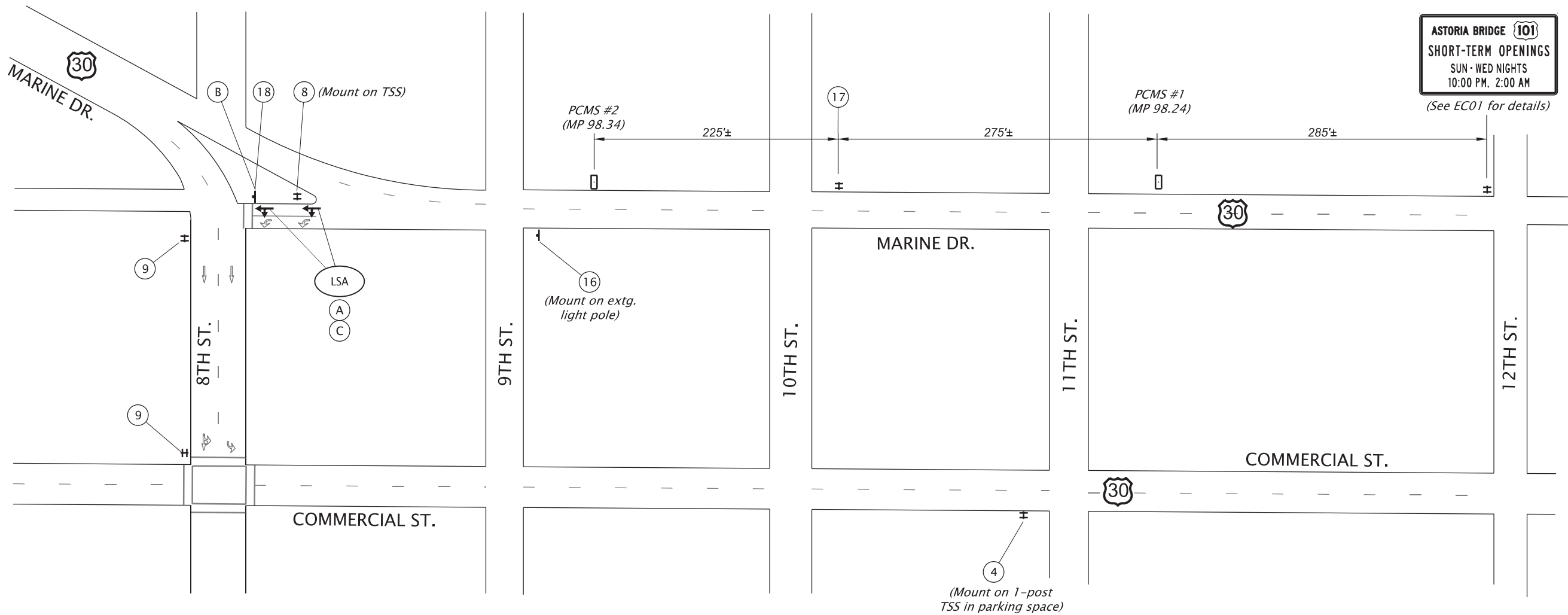
Checker: Shelly Alexander

TRAFFIC CONTROL DETAILS

SHEET NO.

EA02

INSET "C" DETAIL for OVERNIGHT FULL BRIDGE CLOSURE DETOUR



CONSTRUCTION NOTES:

- (A) Remove existing pavement legends. Install temporary pavement legends, as shown or as directed.
- (B) Install Sign #18 to top of existing sign post, facing WB US30 traffic.
- (C) Once the US101 detour is no longer needed, remove temporary pavement legend arrows and replace the original permanent pavement arrows.

NOTES

- 1) See Sheet EA01 for PCMS messages to be displayed before and during nightly full closures.
- 2) See Sheet EB01 for temporary signing details, and additional detour route information.
- 3) Adjust PCMS location, as needed to make full message visible to approaching traffic.
- 4) Cover inconsistent signs when sign messages are not applicable to Work being done.
- 5) Install temporary detour signs within agency highway rights of way, as shown, or as directed.

LEGEND

- Temporary Sign
- Temporary Sign Support (TSS)
- Portable changeable message sign (PCMS)
- Inst. left turn straight arrow (white) (LSA)



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US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Scott McCanna

Reviewer: Dana Shuff

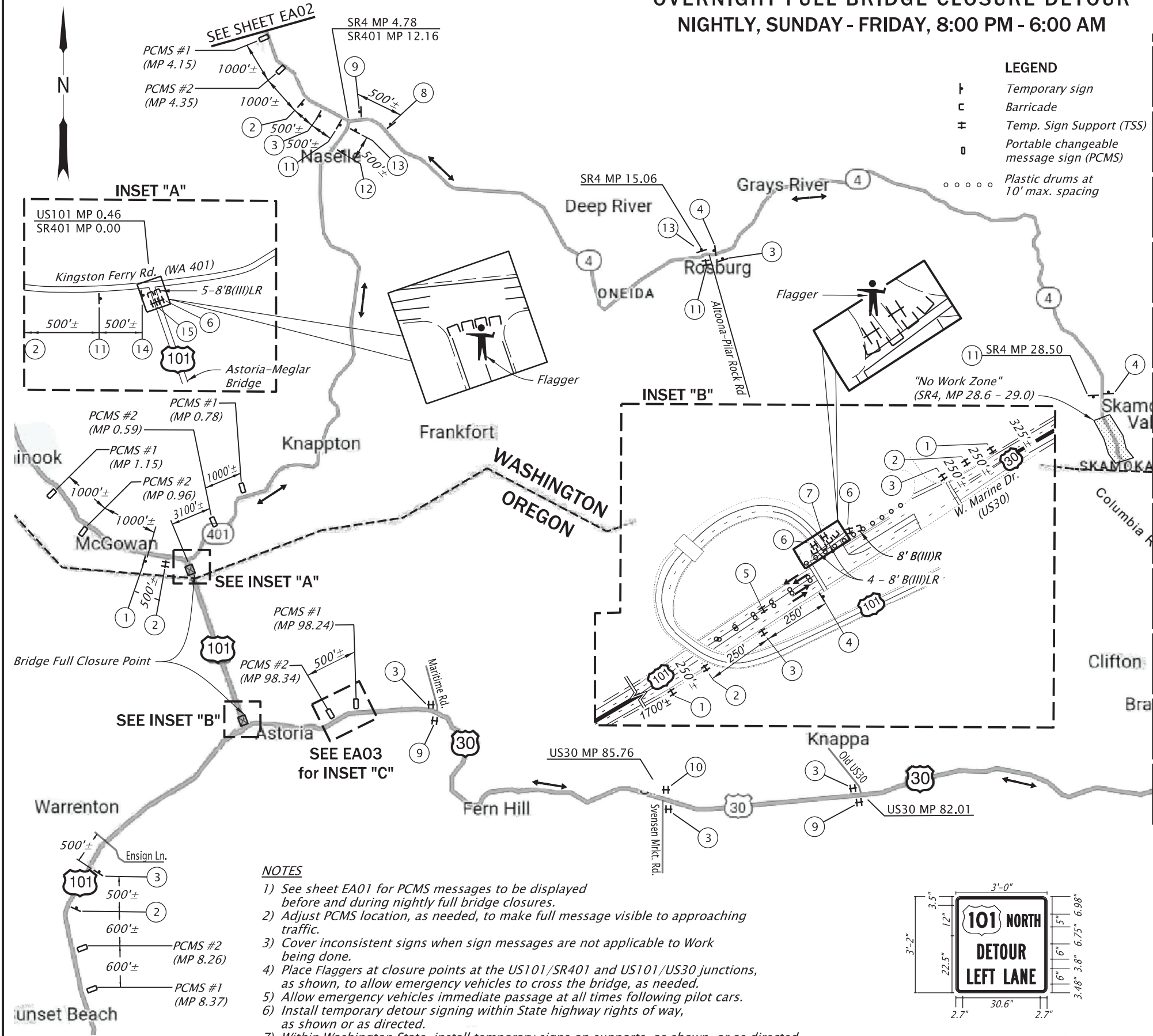
CADD Tech: Tammy Taggart

Checker: Shelly Alexander

TRAFFIC CONTROL DETAILS

SHEET NO.
EA03

OVERNIGHT FULL BRIDGE CLOSURE DETOUR
NIGHTLY, SUNDAY - FRIDAY, 8:00 PM - 6:00 AM



LEGEND

- Temporary sign
- Barricade
- Temp. Sign Support (TSS)
- Portable changeable message sign (PCMS)
- Plastic drums at 10' max. spacing



3 reqd.

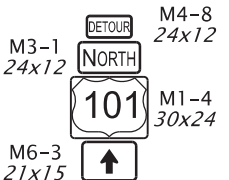


6 reqd.



8 reqd.

(See EA01 for details)



4 reqd.



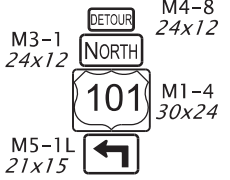
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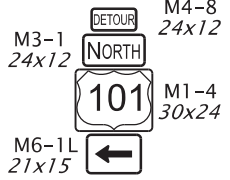
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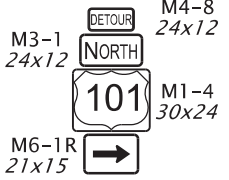
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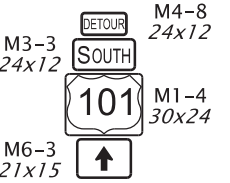
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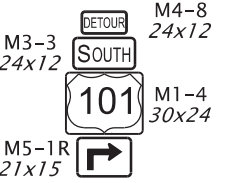
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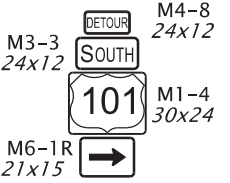
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4 reqd.



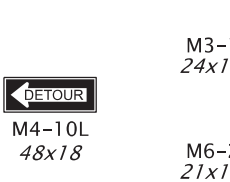
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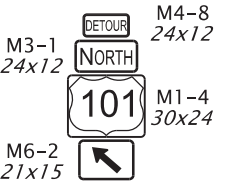
2 reqd.



1 reqd.



1 reqd.



1 reqd.



1 reqd.

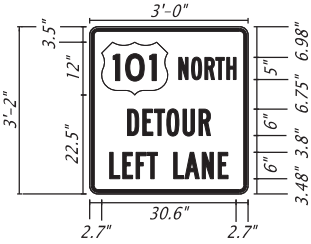


1 reqd.

(Mount to top of extg. sign post)

NOTES

- See sheet EA01 for PCMS messages to be displayed before and during nightly full bridge closures.
- Adjust PCMS location, as needed, to make full message visible to approaching traffic.
- Cover inconsistent signs when sign messages are not applicable to Work being done.
- Place Flaggers at closure points at the US101/SR401 and US101/US30 junctions, as shown, to allow emergency vehicles to cross the bridge, as needed.
- Allow emergency vehicles immediate passage at all times following pilot cars.
- Install temporary detour signing within State highway rights of way, as shown or as directed.
- Within Washington State, install temporary signs on supports, as shown, or as directed. See Dwg. No. TM821 for TSS details. Refer to Transportation Management Plan (TMP) for additional TSS-related guidance.



RENEW: 12-31-2026



US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Scott McCanna

Reviewer: Dana Shuff

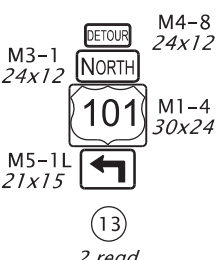
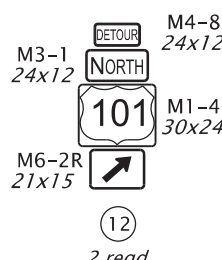
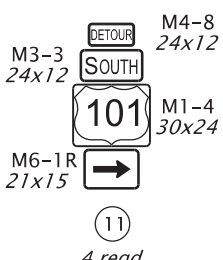
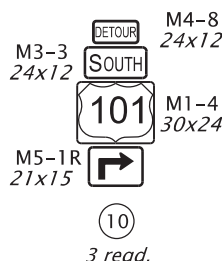
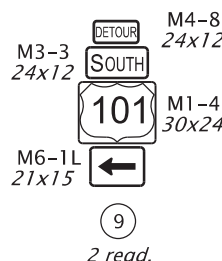
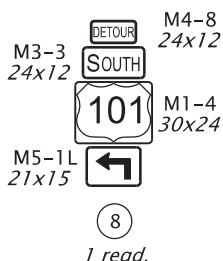
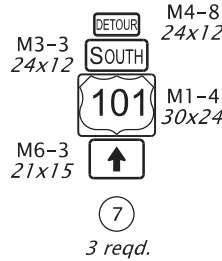
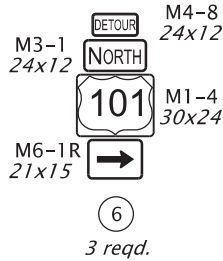
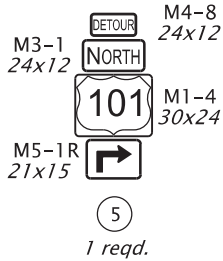
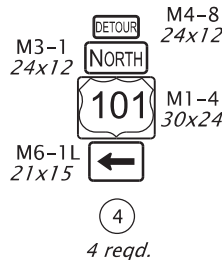
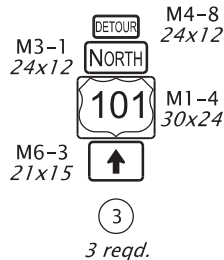
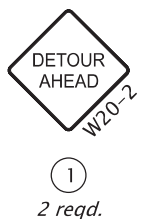
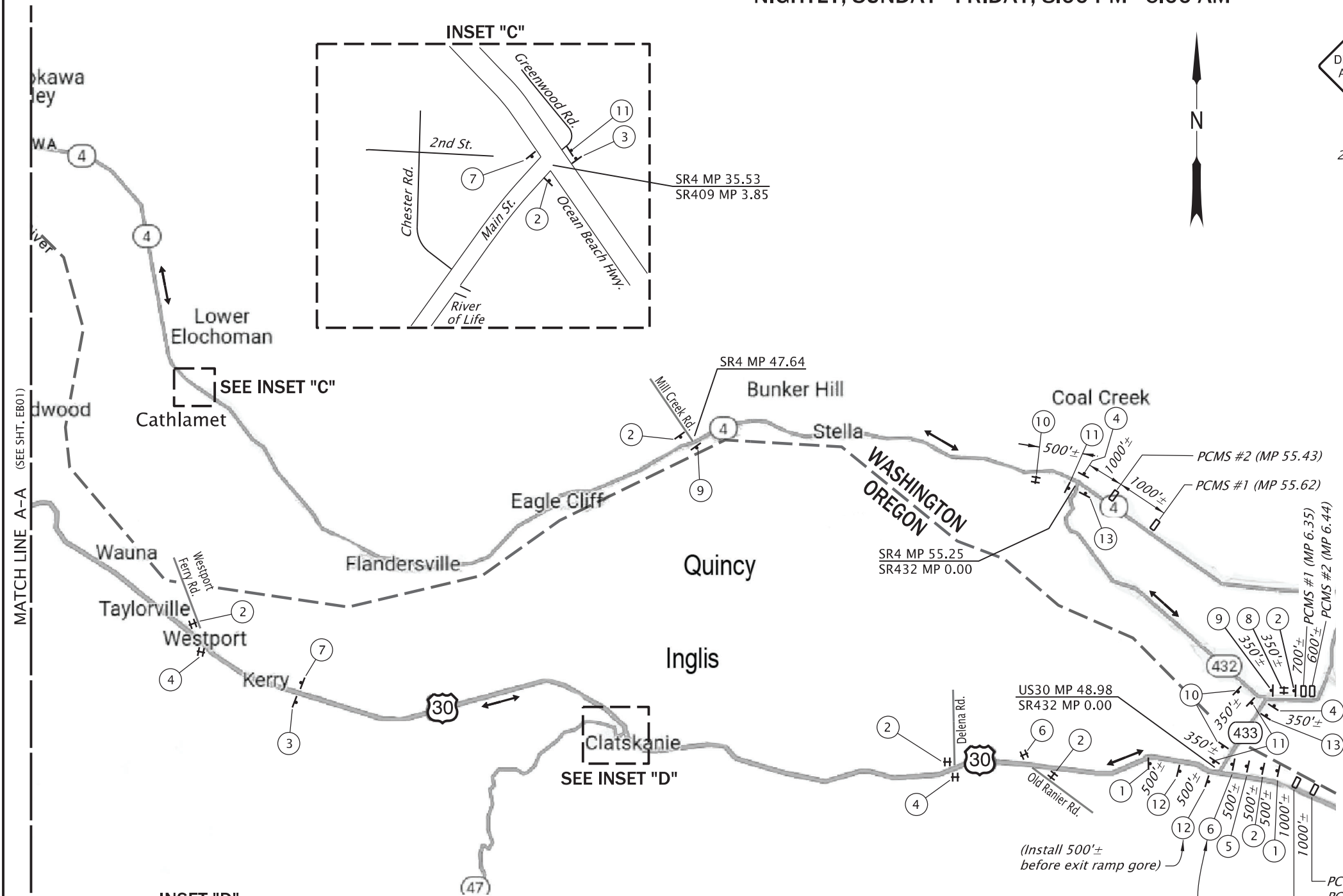
CADD Tech: Tammy Taggart

Checker: Shelly Alexander

TRAFFIC CONTROL DETOUR PLAN

SHEET NO.
EB01

OVERNIGHT FULL BRIDGE CLOSURE DETOUR
NIGHTLY, SUNDAY - FRIDAY, 8:00 PM - 6:00 AM



NOTES

- 1) See sheet EA01 for PCMS messages to be displayed before and during nightly full bridge closures.
- 2) Adjust PCMS location, as needed, to make full message visible to approaching traffic.
- 3) Cover all inconsistent signs when the sign messages are not applicable to the Work being done.
- 4) Allow emergency vehicles immediate passage at all times.
- 5) Install temporary detour signing within State highway rights of way, as shown or as directed.
- 6) Within Washington State, install temporary signs on supports, as shown, or as directed. See Dwg. No. TM821 for TSS details. Refer to Transportation Management Plan (TMP) for additional TSS-related guidance.

LEGEND

- Temporary sign
- Barricade
- Temp. Sign Support (TSS)
- Portable changeable message sign (PCMS)



RENEWS: 12-31-2026

FINAL ELECTRONIC DOCUMENT
AVAILABLE UPON REQUEST

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

**US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT**

OREGON COAST HIGHWAY
CLATSOP COUNTY

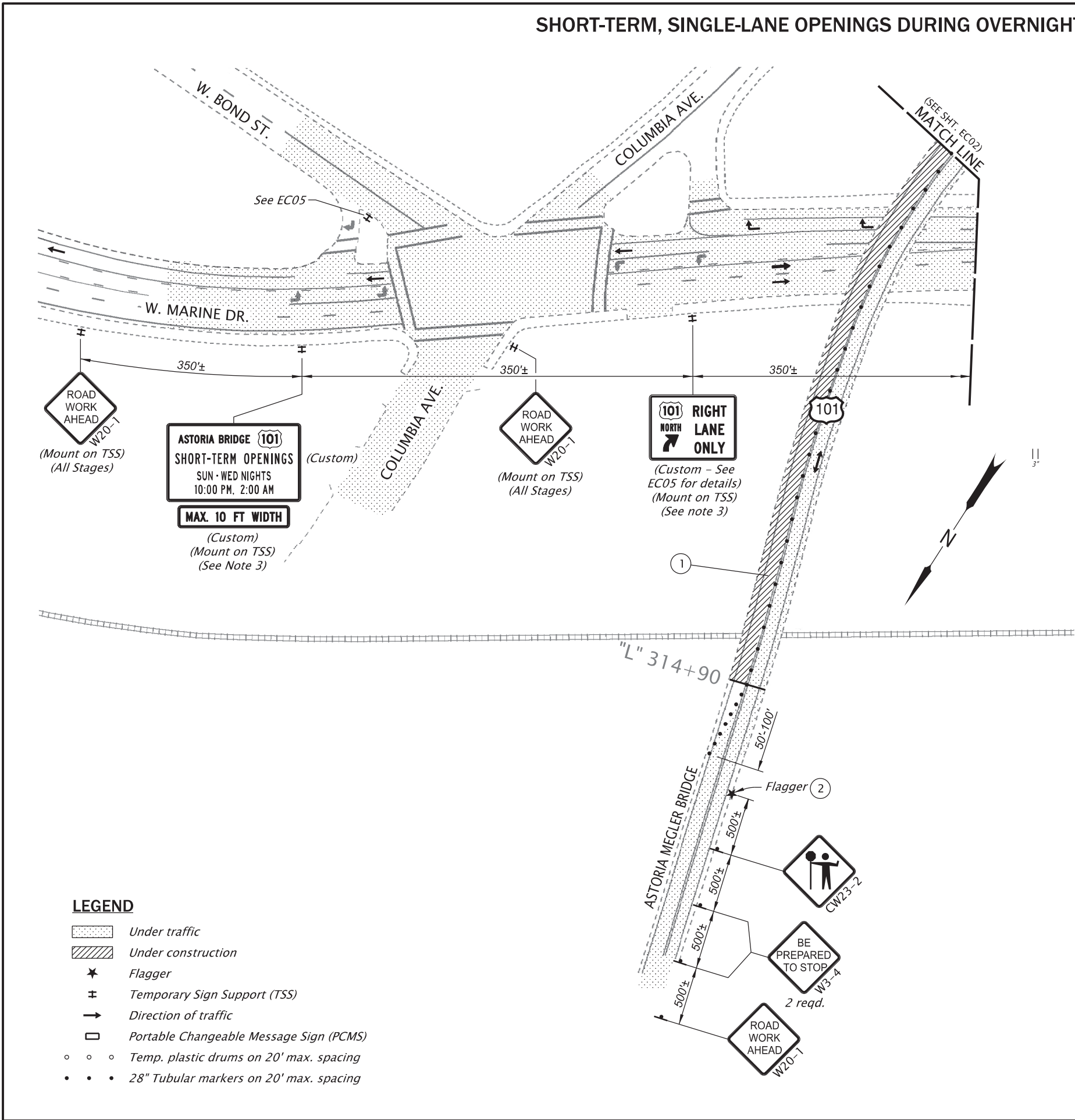
Designer: Scott McCanna
CADD Tech: Tammy Taggart

Reviewer: Dana Shuff
Checker: Shelly Alexander

TRAFFIC CONTROL DETOUR PLAN

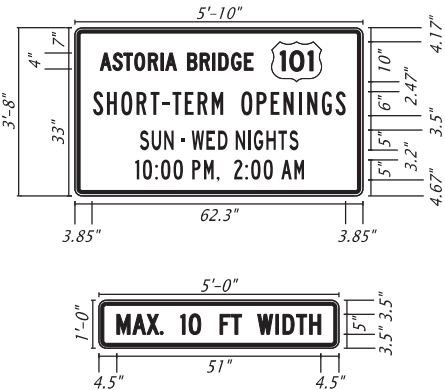
SHEET NO.
EBO2

SHORT-TERM, SINGLE-LANE OPENINGS DURING OVERNIGHT BRIDGE CLOSURES



CONSTRUCTION NOTES

- 1 Actual length of active Work Area to be based on productivity rates within a given work shift. Adjust location of traffic control devices as needed to coincide with Work Area length. See sheets J06 and J07 for construction sequencing details and staging typical sections.
- 2 Use flaggers at each end of the Work Area to control traffic passing through the Work Area. Use flaggers to alert workers of approaching emergency response vehicles during overnight bridge closures. Flaggers may also be used to control public traffic during single-lane opening events during overnight bridge closure hours.



NOTES

- 1) Cover all inconsistent signs when the sign messages are not applicable to the Work being done.
- 2) Allow emergency vehicles immediate passage at all times.
- 3) Add sign flag boards to temporary signs, as shown.

LEGEND

- Under traffic
- Under construction
- Flagger
- Temporary Sign Support (TSS)
- Direction of traffic
- Portable Changeable Message Sign (PCMS)
- Temp. plastic drums on 20' max. spacing
- 28" Tubular markers on 20' max. spacing



RENEWES: 12-31-2026



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Salem Oregon 97306
Phone: 503.361.8635



US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Scott McCanna

Reviewer: Dana Shuff

CADD Tech: Tammy Taggart

Checker: Shelly Alexander

TRAFFIC CONTROL PLAN

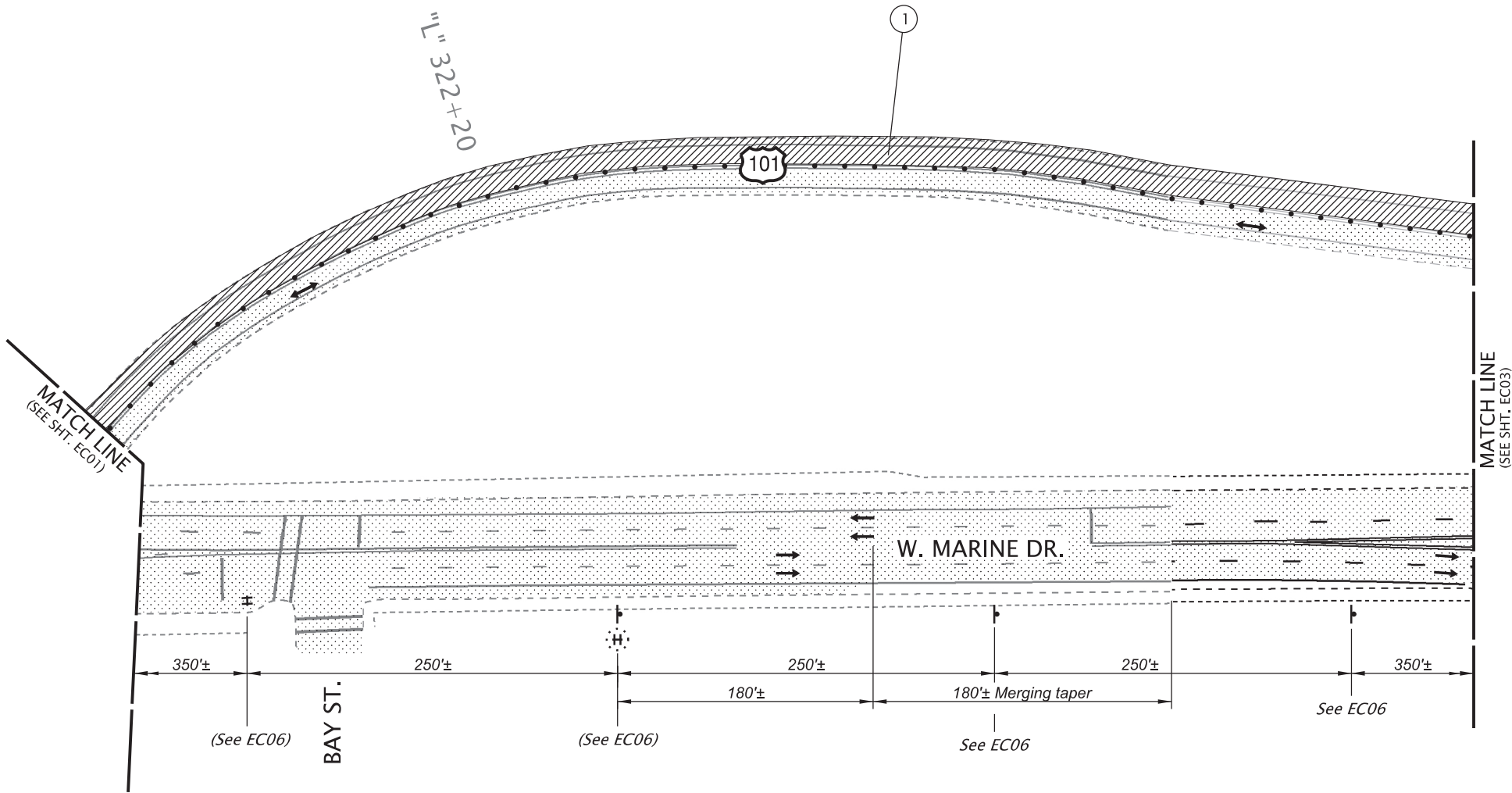
SHEET NO.

EC01

SHORT-TERM, SINGLE-LANE OPENINGS DURING OVERNIGHT BRIDGE CLOSURES

CONSTRUCTION NOTES

- ① Actual length of active Work Area to be based on productivity rates within a given work shift. Adjust location of traffic control devices as needed to coincide with Work Area length. See sheets J06 and J07 for construction sequencing details and staging typical sections.



LEGEND

- Under traffic
- Under construction
- Temporary sign
- Temporary Sign Support (TSS)
- Direction of traffic
- Portable Changeable Message Sign (PCMS)
- Sequential arrow
- Temp. plastic drums on 20' max. spacing
- 28" Tubular markers on 20' max. spacing
- Temp. Sign on TSS used during nighttime operations. See EB01, EB02 for details.

NOTES

- 1) Cover all inconsistent signs when the sign messages are not applicable to the Work being done.
2) Allow emergency vehicles immediate passage at all times.



RENEWS: 12-31-2026

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

US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Scott McCanna
CADD Tech: Tammy Taggart
Reviewer: Dana Shuff
Checker: Shelly Alexander

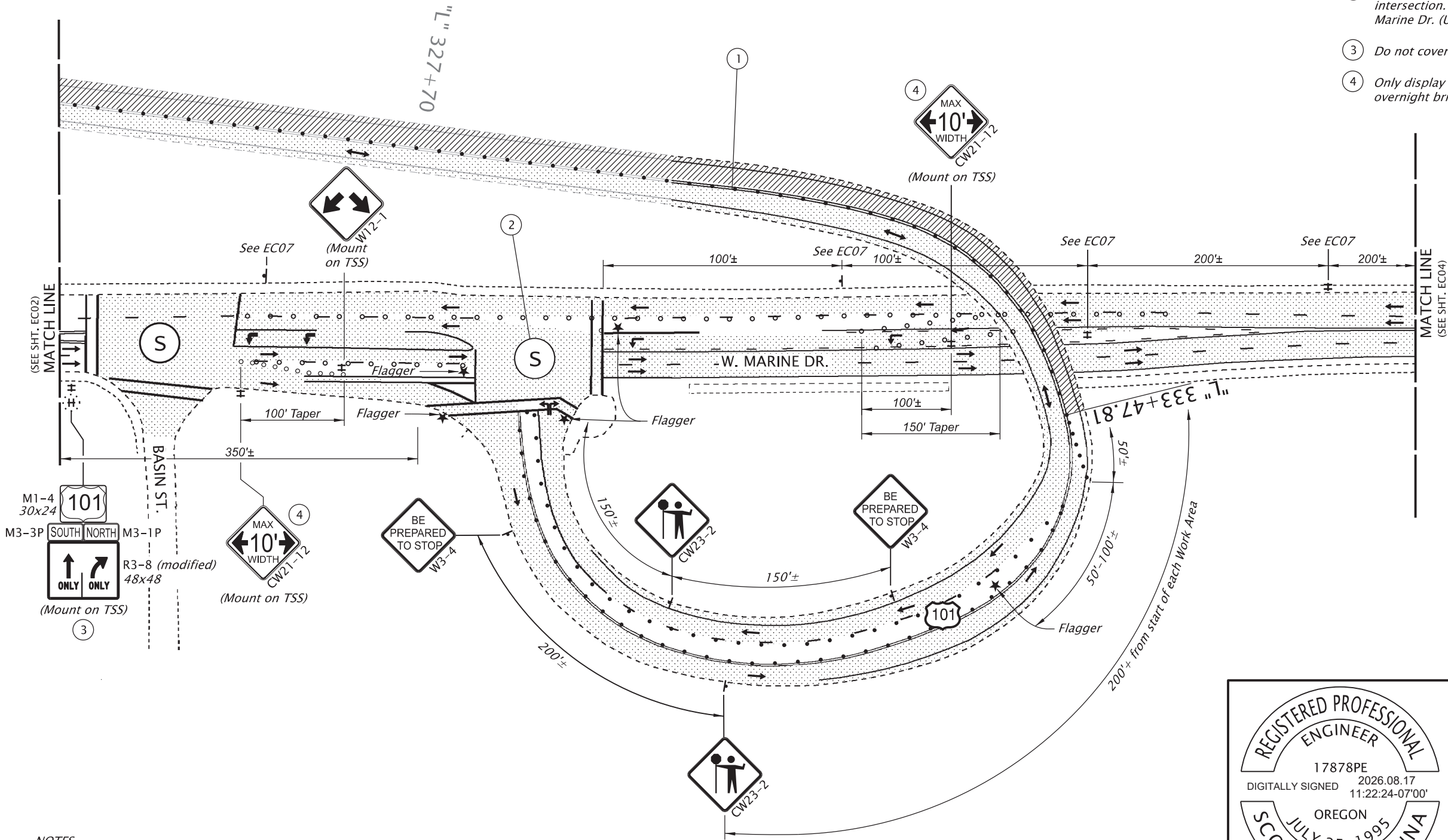
TRAFFIC CONTROL PLAN

SHEET NO.
EC02

SHORT-TERM, SINGLE-LANE OPENINGS DURING OVERNIGHT BRIDGE CLOSURES

CONSTRUCTION NOTES

- 1 Actual length of active Work Area to be based on productivity rates within a given work shift. Adjust location of traffic control devices as needed to coincide with Work Area length. See sheets J06 and J07 for construction sequencing details and staging typical sections.
- 2 Turn signal off when flagging traffic through the Marine Dr./US101 intersection. Avoid allowing traffic queues for westbound Marine Dr. (US30) to back-up into the Basin St. intersection.
- 3 Do not cover the "DO NOT BLOCK INTERSECTION" sign.
- 4 Only display signs for short-term lane openings during overnight bridge closures. Cover signs at all other times.



LEGEND

- Under traffic
- Under construction
- Flagger
- Temporary Sign
- Temporary Sign Support (TSS)
- Direction of traffic
- Portable Changeable Message Sign (PCMS)
- Temp. plastic drums on 10' max. spacing
- Temp. plastic drums on 20' max. spacing
- 28" Tubular markers on 20' max. spacing
- 28" Tubular markers on 10' max. spacing
- Temp. Sign on TSS used during nighttime operations. See EB01, EB02 for details.
- Signal

NOTES
1) Cover all inconsistent signs when the sign messages are not applicable to the Work being done.
2) Allow emergency vehicles immediate passage at all times.

REGISTERED PROFESSIONAL ENGINEER
17878PE
DIGITALLY SIGNED 2026.08.17 11:22:24-07'00"
OREGON
JULY 25, 1995
SCOTT M. MCCANNA
RENEWES: 12-31-2026

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

US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY CLATSOP COUNTY

Designer: Scott McCanna Reviewer: Dana Shuff
CADD Tech: Tammy Taggart Checker: Shelly Alexander

TRAFFIC CONTROL PLAN

SHEET NO. EC03

SHORT-TERM, SINGLE-LANE OPENINGS DURING OVERNIGHT BRIDGE CLOSURES

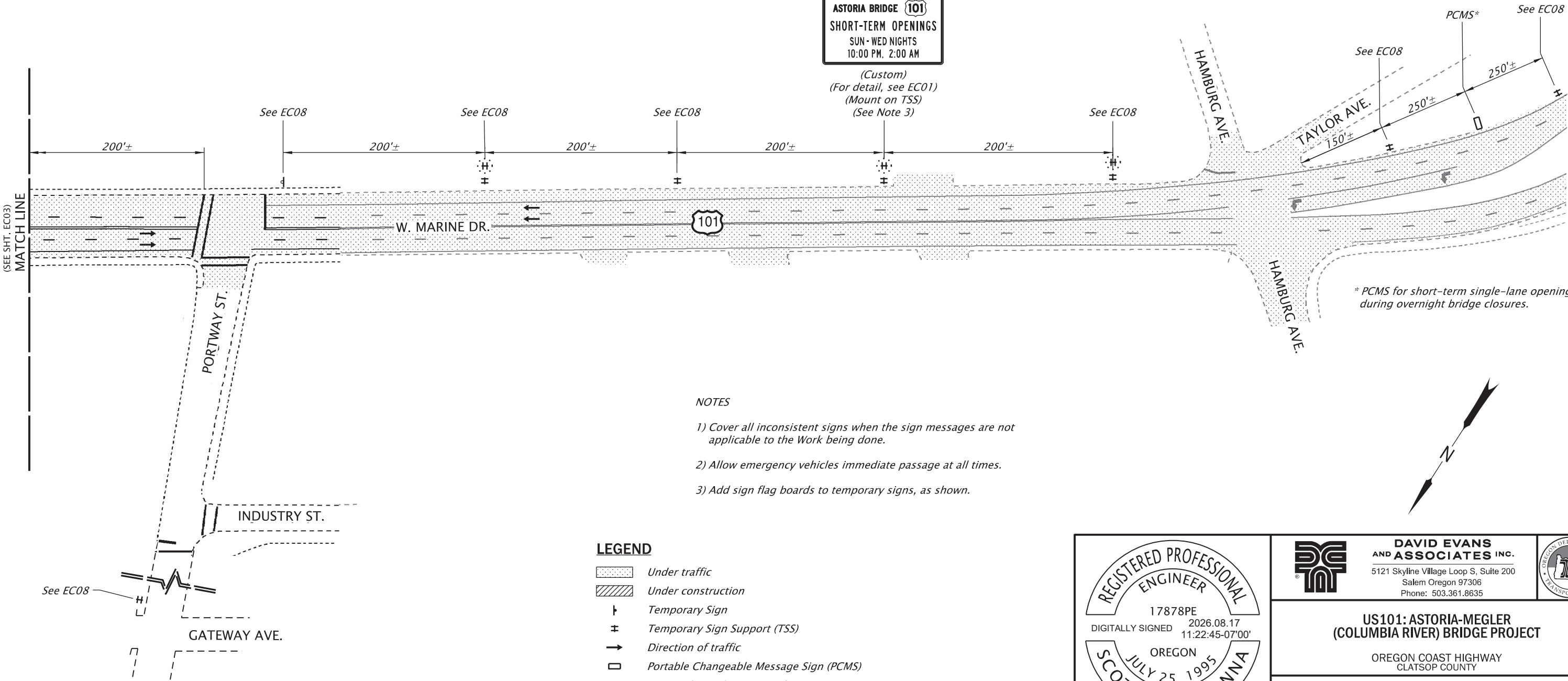
BR OPEN
SUN-WED
10 PM

BR OPEN
SUN-WED
2 AM

PORTABLE CHANGEABLE MESSAGE SIGN
(Suggested Message)
(Locate As Directed)

ASTORIA BRIDGE 101
SHORT-TERM OPENINGS
SUN - WED NIGHTS
10:00 PM. 2:00 AM

(Custom)
(For detail, see EC01)
(Mount on TSS)
(See Note 3)



- NOTES
- 1) Cover all inconsistent signs when the sign messages are not applicable to the Work being done.
 - 2) Allow emergency vehicles immediate passage at all times.
 - 3) Add sign flag boards to temporary signs, as shown.

- LEGEND
- Under traffic
 - Under construction
 - Temporary Sign
 - Temporary Sign Support (TSS)
 - Direction of traffic
 - Portable Changeable Message Sign (PCMS)
 - Temp. plastic drums on 20' max. spacing
 - 28" Tubular markers on 20' max. spacing
 - Temp. Sign on TSS used during nighttime operations. See EB01, EB02 for details.

REGISTERED PROFESSIONAL
ENGINEER
17878PE
DIGITALLY SIGNED 2026.08.17
11:22:45-07'00"
OREGON
JULY 25, 1995
SCOTT M. MCCANNA

RENEWES: 12-31-2026

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

OREGON DEPARTMENT OF TRANSPORTATION

US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

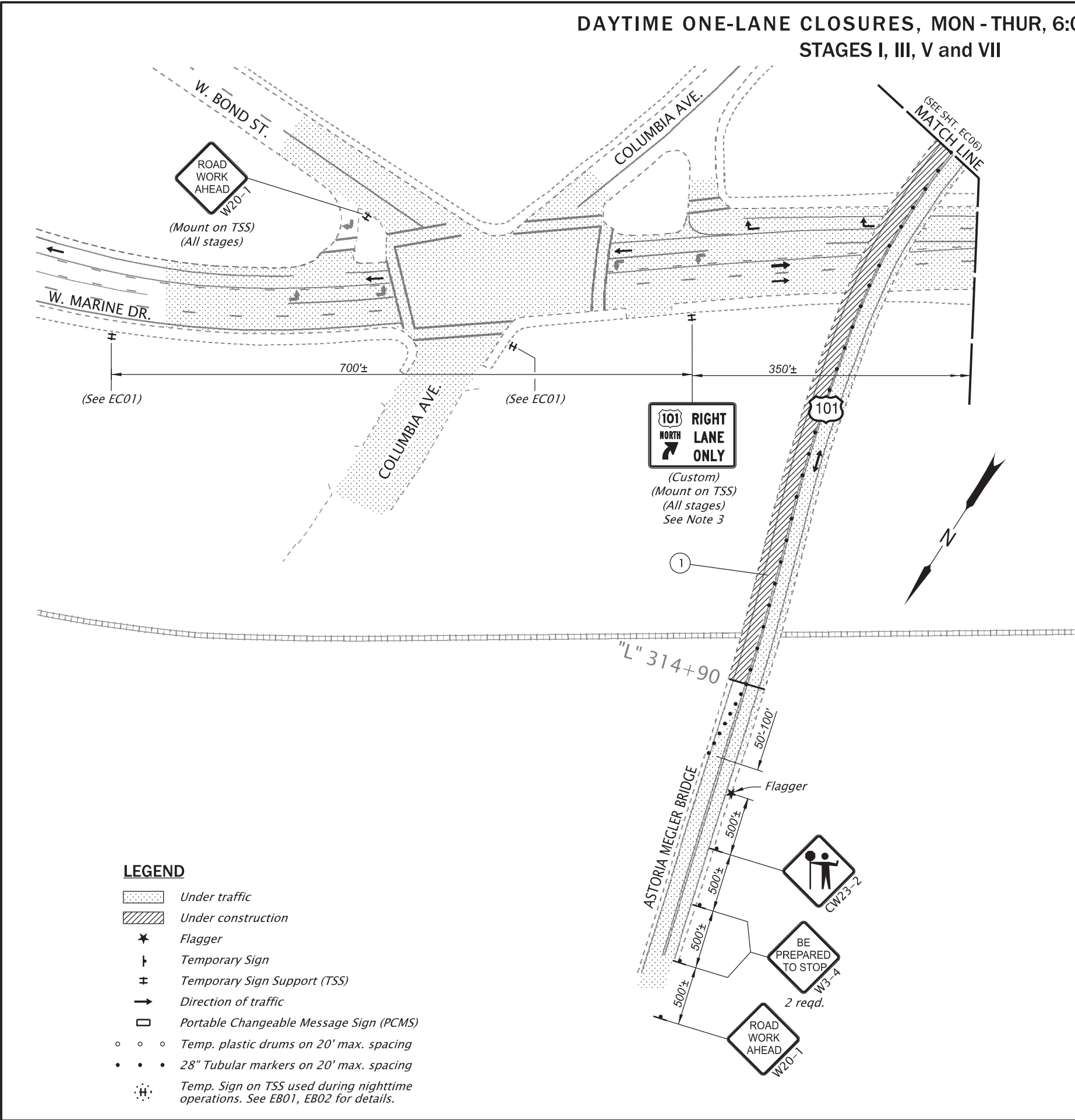
Designer: Scott McCanna
CADD Tech: Tammy Taggart

Reviewer: Dana Shuff
Checker: Shelly Alexander

TRAFFIC CONTROL PLAN

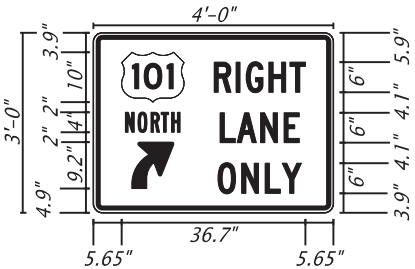
SHEET NO.
EC04

DAYTIME ONE-LANE CLOSURES, MON - THUR, 6:00 AM - 8:00 PM
STAGES I, III, V and VII



CONSTRUCTION NOTES

- ① Actual length of active Work Area to be based on productivity rates within a given work shift. Adjust location of traffic control devices as needed to coincide with Work Area length.



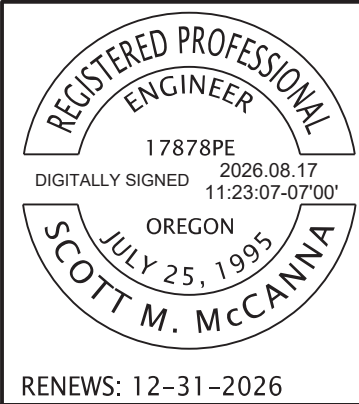
NOTE: Fabricate "101" route shield using white retroreflective sheeting with black non-reflective legend.

NOTES

- 1) See sheet EB01 for PCMS locations. See sheet EA01 for applicable PCMS messages.
- 2) Adjust PCMS location, as needed, to make full message visible to approaching traffic.
- 3) Add sign flag boards to temporary signs, as shown.
- 4) See sheets J06 - J10 for staging typical sections and for additional construction sequencing details.
- 5) Cover all inconsistent signs when the sign messages are not applicable to the Work being done.
- 6) Fabricate all custom temporary signs with fluorescent orange, wide angle prismatic sheeting with black non-reflective legend, unless otherwise shown.
- 7) Allow emergency vehicles immediate passage at all times.

LEGEND

- Under traffic
- Under construction
- Flagger
- Temporary Sign
- Temporary Sign Support (TSS)
- Direction of traffic
- Portable Changeable Message Sign (PCMS)
- Temp. plastic drums on 20' max. spacing
- 28" Tubular markers on 20' max. spacing
- Temp. Sign on TSS used during nighttime operations. See EB01, EB02 for details.



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Salem Oregon 97306
Phone: 503.361.8635



US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Scott McCanna

Reviewer: Dana Shuff

CADD Tech: Tammy Taggart

Checker: Shelly Alexander

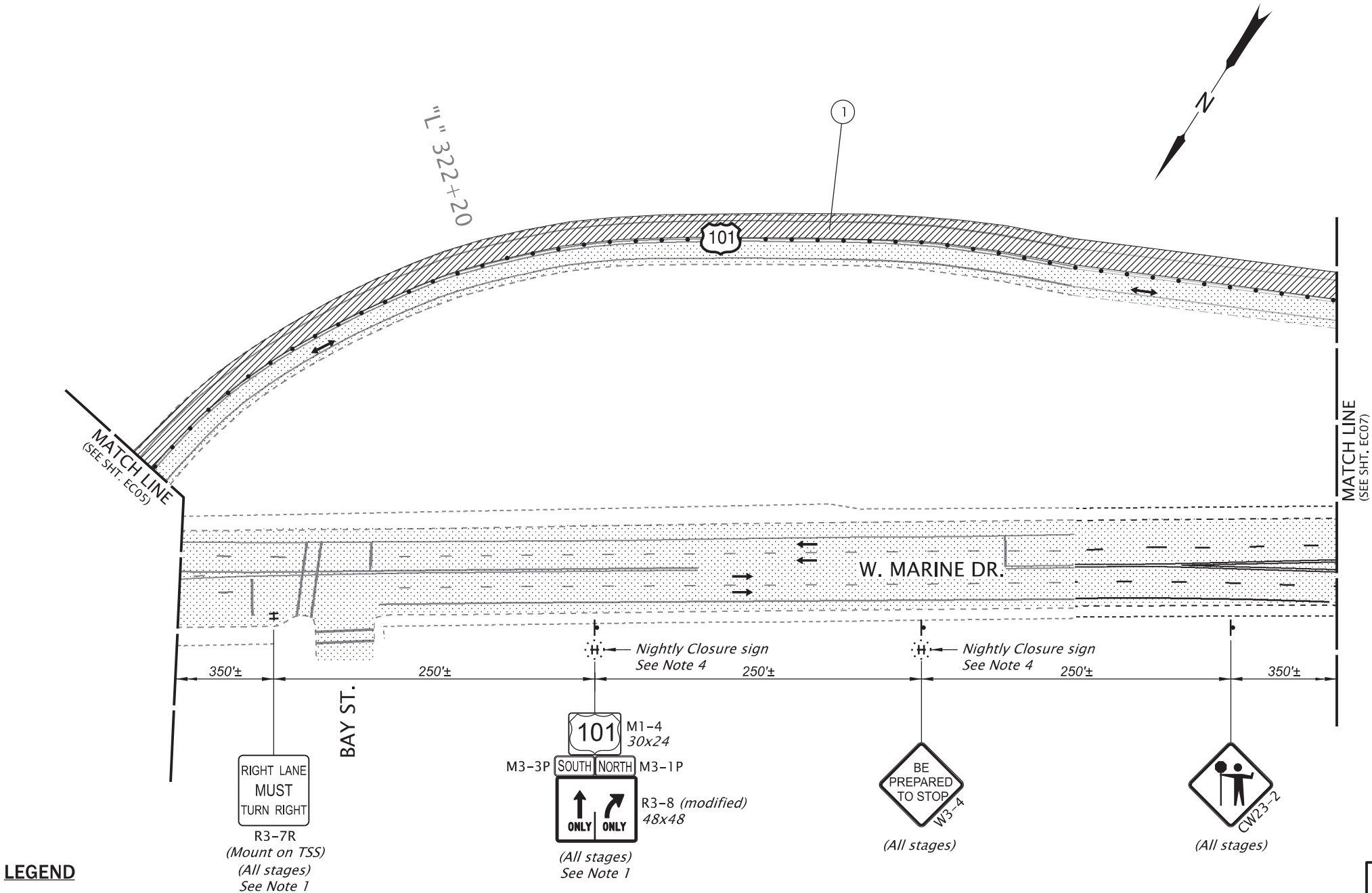
TRAFFIC CONTROL PLAN

SHEET NO.
EC05

DAYTIME ONE-LANE CLOSURES, MON - THUR, 6:00 AM - 8:00 PM
STAGES I, III, V and VII

CONSTRUCTION NOTES

- ① Actual length of active Work Area to be based on productivity rates within a given work shift. Adjust location of traffic control devices as needed to coincide with Work Area length. See sheets J06 - J10 for construction sequencing details and staging typical sections.



NOTES

- 1) Add sign flag boards to temporary signs, as shown.
- 2) See sheets J06 - J10 for staging typical sections and for additional construction sequencing details.
- 3) Cover all inconsistent signs when the sign messages are not applicable to the Work being done.
- 4) For Stages I and II, move nightly closure signs to a location that will not block the visibility of daytime temporary signs. Cover nightly closure sign or turn sign face away from approaching traffic. See sht. EB01 for Nightly Closure Sign details.
- 5) Fabricate all custom temporary signs with fluorescent orange, wide angle prismatic sheeting with black non-reflective legend, unless otherwise shown.
- 6) Allow emergency vehicles immediate passage at all times.

LEGEND

- Under traffic
- Under construction
- Temporary Sign
- Temporary Sign Support (TSS)
- Direction of traffic
- Portable Changeable Message Sign (PCMS)
- Temp. plastic drums on 20' max. spacing
- 28" Tubular markers on 20' max. spacing
- Temp. Sign on TSS used during nighttime operations. See EB01, EB02 for details.

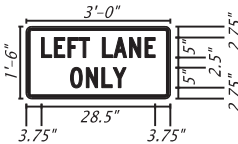


DAVID EVANS AND ASSOCIATES INC. 5121 Skyline Village Loop S, Suite 200 Salem Oregon 97306 Phone: 503.361.8635		
US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CLATSOP COUNTY		
Designer: Scott McCanna CADD Tech: Tammy Taggart		Reviewer: Dana Shuff Checker: Shelly Alexander
TRAFFIC CONTROL PLAN		SHEET NO. EC06

DAYTIME ONE-LANE CLOSURES, MON - THUR, 6:00 AM - 8:00 PM
STAGES I, III, V and VII

CONSTRUCTION NOTES

- 1 Actual length of active Work Area to be based on productivity rates within a given work shift. Adjust location of traffic control devices as needed to coincide with Work Area length. See sheets J06 - J10 for construction sequencing details and staging typical sections.
- 2 Turn signal off when flagging traffic through the intersection.
- 3 For Stages I and II, complete work on Spans 199 and 200 of the Astoria-Megler Bridge over one lane of W. Marine Drive (US30) at a time. Close the traffic lane on US30 under the active work area according to dwg. no. TM843.
- 4 Basin St. traffic signal may remain on. If queuing on W. Marine Dr. extends through intersection and disrupts the operation of the intersection, turn off Basin St. signal and provide additional flaggers and TCD, as needed.



NOTE: Fabricate sign using white retroreflective sheeting with black non-reflective legend.

LEGEND

- Under traffic
- Under construction
- Flagger
- Temporary Sign
- Temporary Sign Support (TSS)
- Direction of traffic
- Portable Changeable Message Sign (PCMS)
- Temp. plastic drums on 20' max. spacing
- 28" Tubular markers on 20' max. spacing
- 28" Tubular markers on 10' max. spacing
- Temp. Sign on TSS used during nighttime operations. See EB01, EB02 for details.
- Signal

NOTES

- 1) Add sign flag boards to temporary signs, as shown.
- 2) See sheets J06 - J10 for staging typical sections and for additional construction sequencing details.
- 3) Cover all inconsistent signs when the sign messages are not applicable to the Work being done.
- 4) For Stages I and II, move nightly closure signs to a location that will not block the visibility of daytime temporary signs. Cover nightly closure sign or turn sign face away from approaching traffic. See sht. EB01 for Nightly Closure Sign details.
- 5) Fabricate all custom temporary signs with fluorescent orange, wide angle prismatic sheeting with black non-reflective legend, unless otherwise shown.
- 6) Allow emergency vehicles immediate passage at all times.



RENEWS: 12-31-2026



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



US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Scott McCanna

Reviewer: Dana Shuff

CADD Tech: Tammy Taggart

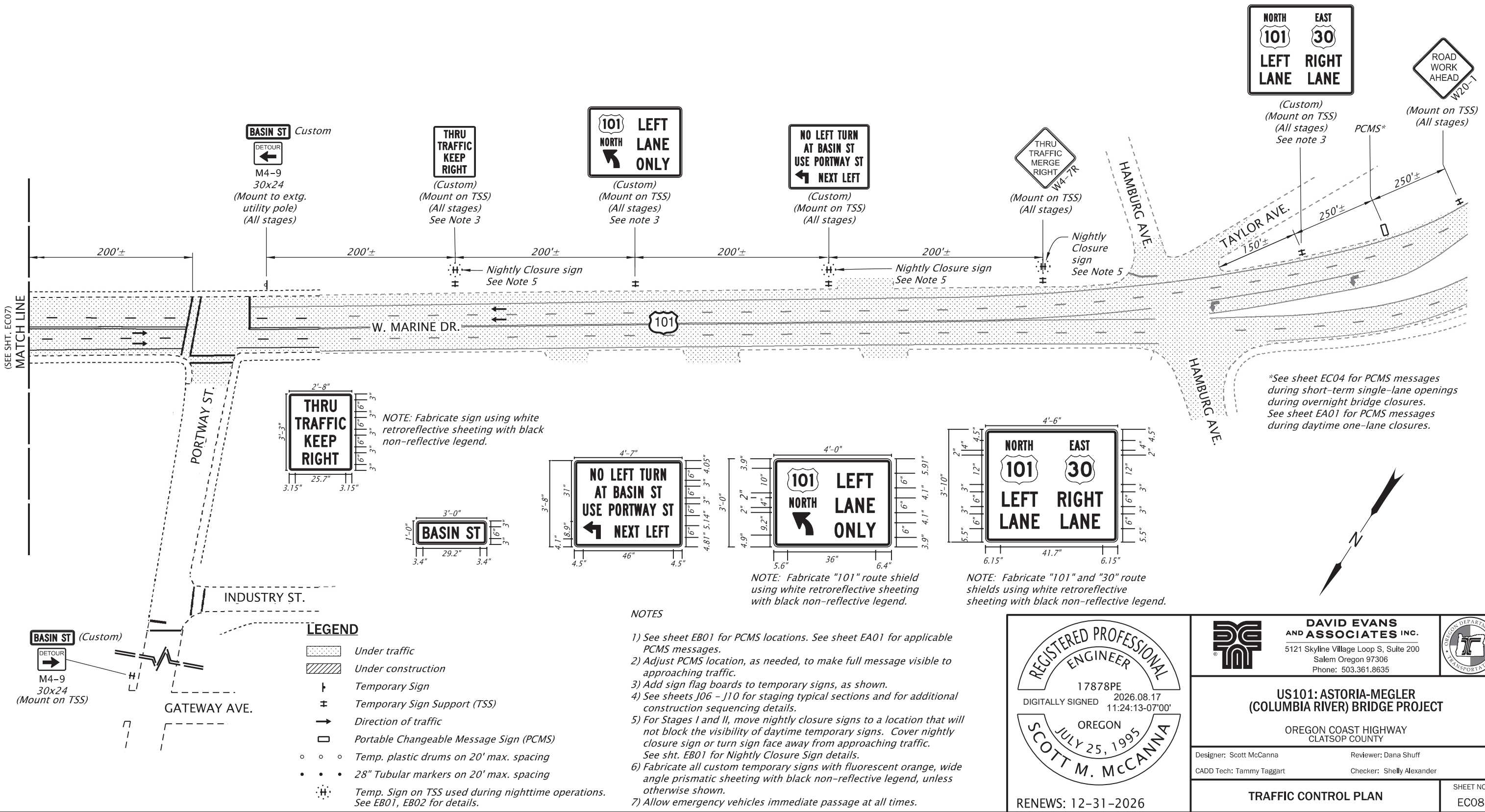
Checker: Shelly Alexander

TRAFFIC CONTROL PLAN

SHEET NO.

EC07

DAYTIME ONE-LANE CLOSURES, MON - THUR, 6:00 AM - 8:00 PM
STAGES I, III, V and VII



REGISTERED PROFESSIONAL
ENGINEER
17878PE
DIGITALLY SIGNED 2026.08.17
11:24:13-07'00"
OREGON
JULY 25, 1995
SCOTT M. MCCANNA
RENEWES: 12-31-2026

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

US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT
OREGON COAST HIGHWAY
CLATSOP COUNTY

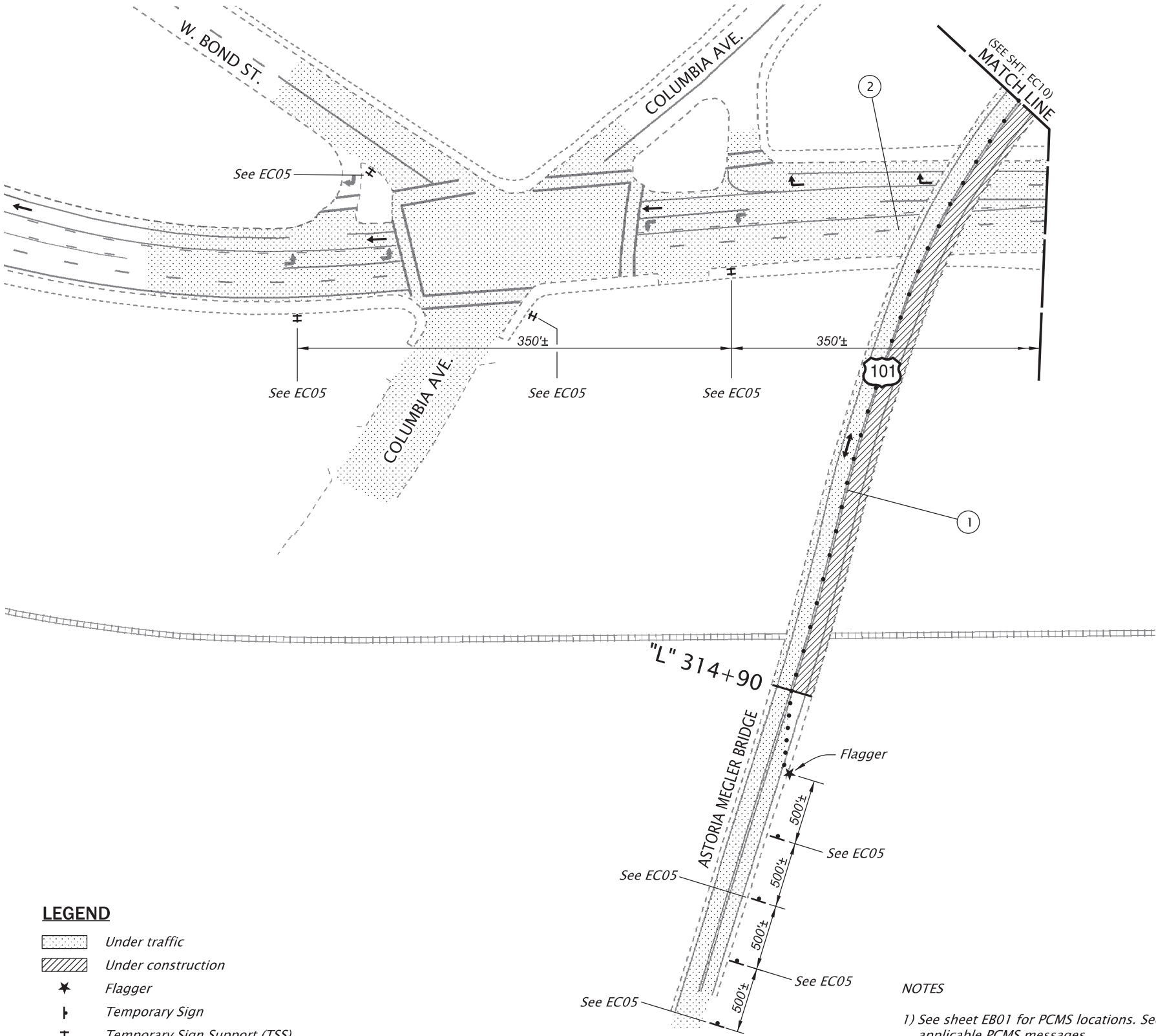
Designer: Scott McCanna
CADD Tech: Tammy Taggart

Reviewer: Dana Shuff
Checker: Shelly Alexander

TRAFFIC CONTROL PLAN

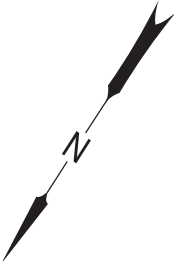
SHEET NO.
EC08

DAYTIME ONE-LANE CLOSURES, MON - THUR, 6:00 AM - 8:00 PM
STAGES II, IV, VI and VIII



CONSTRUCTION NOTES

- ① Actual length of active Work Area to be based on productivity rates within a given work shift. Adjust location of traffic control devices as needed to coincide with Work Area length. See sheets J06 - J10 for construction sequencing details and staging typical sections.
- ② During Stages I and II, when working on the Astoria-Megler Bridge above a traffic lane on W. Marine Drive (US30) close the W. Marine Drive traffic lane according to dwg. no. TM841 or TM843.



LEGEND

- Under traffic
- Under construction
- Flagger
- Temporary Sign
- Temporary Sign Support (TSS)
- Direction of traffic
- Portable Changeable Message Sign (PCMS)
- Temp. plastic drums on 20' max. spacing
- 28" Tubular markers on 20' max. spacing
- Temp. Sign on TSS used during nighttime operations. See EB01, EB02 for details.

NOTES

- 1) See sheet EB01 for PCMS locations. See EA01 for applicable PCMS messages.
- 2) Adjust PCMS location, as needed, to make full message visible to approaching traffic.
- 3) See sheets J06 - J10 for staging typical sections and for additional construction sequencing details.
- 4) Cover all inconsistent signs when the sign messages are not applicable to the Work being done.
- 5) Allow emergency vehicles immediate passage at all times.



RENEWES: 12-31-2026

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Salem Oregon 97306
Phone: 503.361.8635

OREGON DEPARTMENT OF TRANSPORTATION

US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Scott McCanna Reviewer: Dana Shuff
CADD Tech: Tammy Taggart Checker: Shelly Alexander

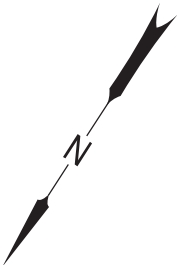
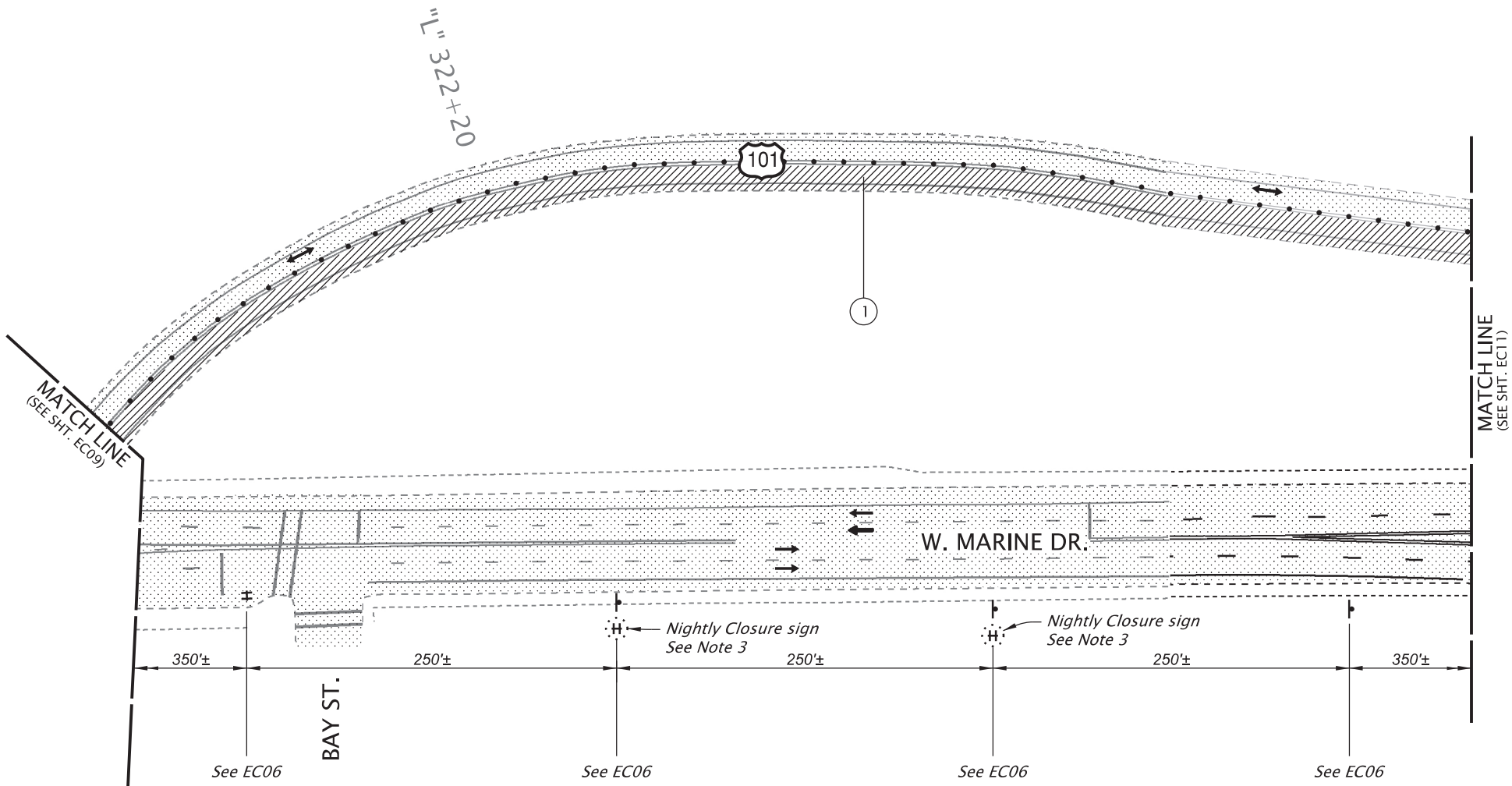
TRAFFIC CONTROL PLAN

SHEET NO.
EC09

DAYTIME ONE-LANE CLOSURES, MON - THUR, 6:00 AM - 8:00 PM
STAGES II, IV, VI and VIII

CONSTRUCTION NOTES

① Actual length of active Work Area to be based on productivity rates within a given work shift. Adjust location of traffic control devices as needed to coincide with Work Area length. See sheets J06 - J10 for construction sequencing details and staging typical sections.



LEGEND

- Under traffic
- Under construction
- Temporary Sign
- Temporary Sign Support (TSS)
- Direction of traffic
- Portable Changeable Message Sign (PCMS)
- Temp. plastic drums on 20' max. spacing
- 28" Tubular markers on 20' max. spacing
- Temp. Sign on TSS used during nighttime operations. See EB01, EB02 for details.

NOTES

- See sheets J06 - J10 for staging typical sections and for additional construction sequencing details.
- Cover all inconsistent signs when the sign messages are not applicable to the Work being done.
- For Stages I and II, move nightly closure signs to a location that will not block the visibility of daytime temporary signs. Cover nightly closure sign or turn sign face away from approaching traffic. See sheet EB01 for Nightly Closure Sign details.
- Allow emergency vehicles immediate passage at all times.



RENEWES: 12-31-2026



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AND ASSOCIATES INC.
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Salem Oregon 97306
Phone: 503.361.8635



US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Scott McCanna
CADD Tech: Tammy Taggart

Reviewer: Dana Shuff
Checker: Shelly Alexander

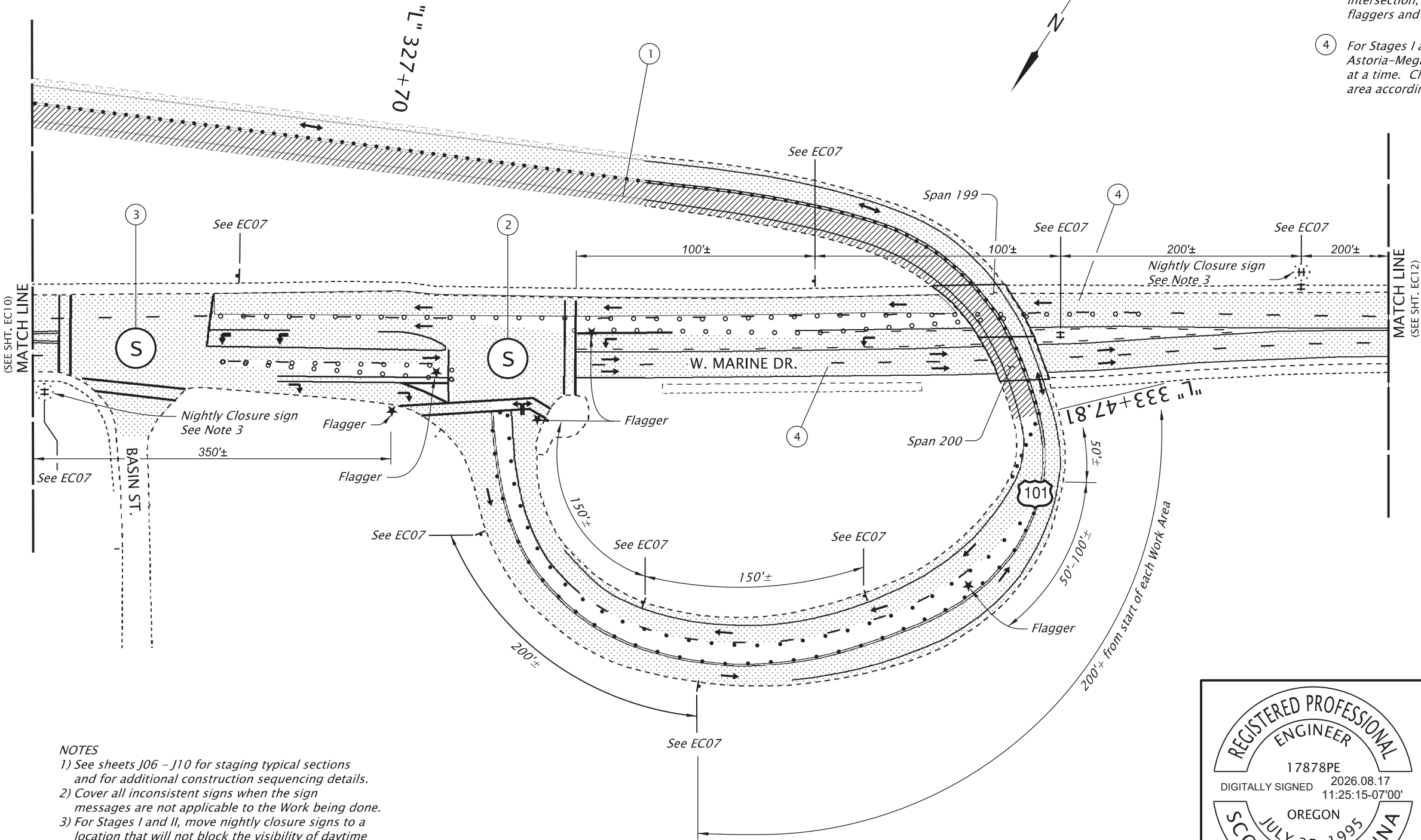
TRAFFIC CONTROL PLAN

SHEET NO.
EC10

DAYTIME ONE-LANE CLOSURES, MON - THUR, 6:00 AM - 8PM
STAGES II, IV, VI and VIII

CONSTRUCTION NOTES

- 1 Actual length of active Work Area to be based on productivity rates within a given work shift. Adjust location of traffic control devices as needed to coincide with Work Area length. See sheets J06 and J07 for construction sequencing details and staging typical sections.
- 2 Turn signal off when flagging traffic through the intersection.
- 3 Basin St. traffic signal may remain on. If queuing on W. Marine Dr. extends through intersection and disrupts the operation of the intersection, turn off the Basin St. signal and provide additional flaggers and TCD, as needed.
- 4 For Stages I and II, complete work on Spans 199 and 200 of the Astoria-Megler Bridge over one lane of W. Marine Drive (US30) at a time. Close the traffic lane on US30 under the active work area according to dwg. no. TM843.



LEGEND

- Under traffic
- Under construction
- Flagger
- Temporary Sign
- Temporary Sign Support (TSS)
- Direction of traffic
- Portable Changeable Message Sign (PCMS)
- Temp. plastic drums on 20' max. spacing
- 28" Tubular markers on 20' max. spacing
- 28" Tubular markers on 10' max. spacing
- Temp. Sign on TSS used during nighttime operations. See EB01, EB02 for details.
- Signal

- NOTES
- 1) See sheets J06 - J10 for staging typical sections and for additional construction sequencing details.
- 2) Cover all inconsistent signs when the sign messages are not applicable to the Work being done.
- 3) For Stages I and II, move nightly closure signs to a location that will not block the visibility of daytime temporary signs. Cover nightly closure sign or turn sign face away from approaching traffic. See sht. EB01 for Nightly Closure Sign details.
- 4) Allow emergency vehicles immediate passage at all times.



RENEWS: 12-31-2026



DAVID EVANS
AND ASSOCIATES INC.
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Salem Oregon 97306
Phone: 503.361.8635



US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Scott McCanna

Reviewer: Dana Shuff

CADD Tech: Tammy Taggart

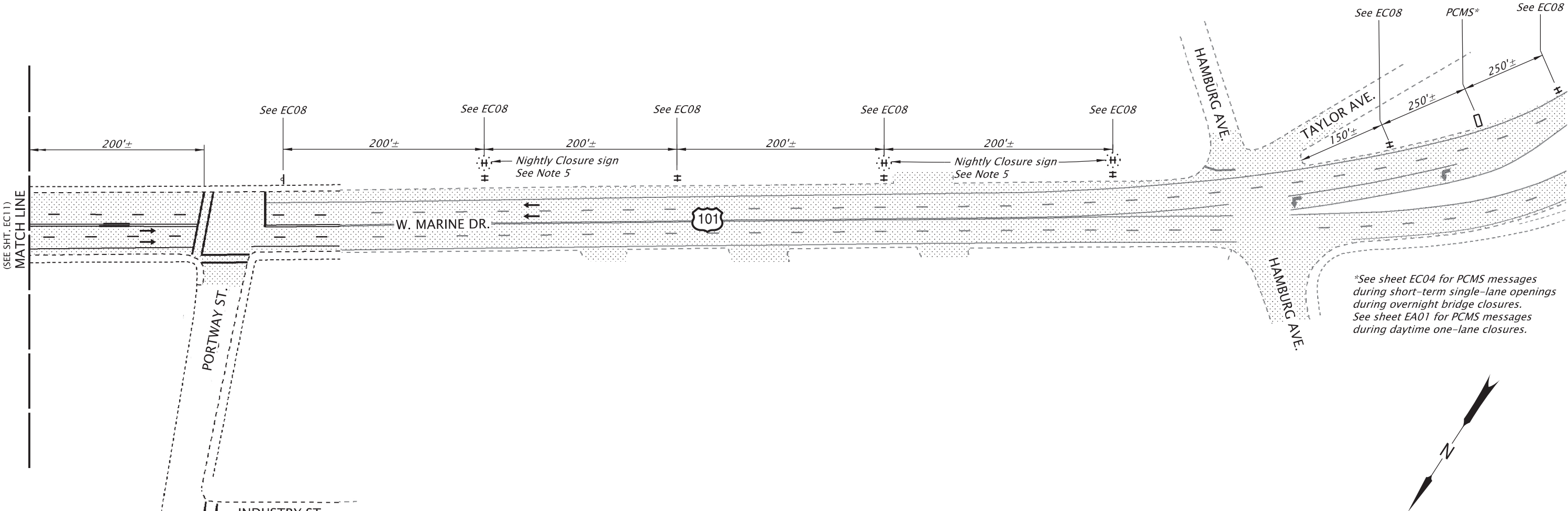
Checker: Shelly Alexander

TRAFFIC CONTROL PLAN

SHEET NO.

EC11

DAYTIME ONE-LANE CLOSURES, MON - THUR, 6:00 AM - 8:00 PM
STAGES II, IV, VI and VIII



*See sheet EC04 for PCMS messages during short-term single-lane openings during overnight bridge closures. See sheet EA01 for PCMS messages during daytime one-lane closures.

LEGEND

- Under traffic
- Under construction
- Temporary Sign
- Temporary Sign Support (TSS)
- Direction of traffic
- Portable Changeable Message Sign (PCMS)
- Temp. plastic drums on 20' max. spacing
- 28" Tubular markers on 20' max. spacing
- Temp. Sign on TSS used during nighttime operations See EB01, EB02 for details.

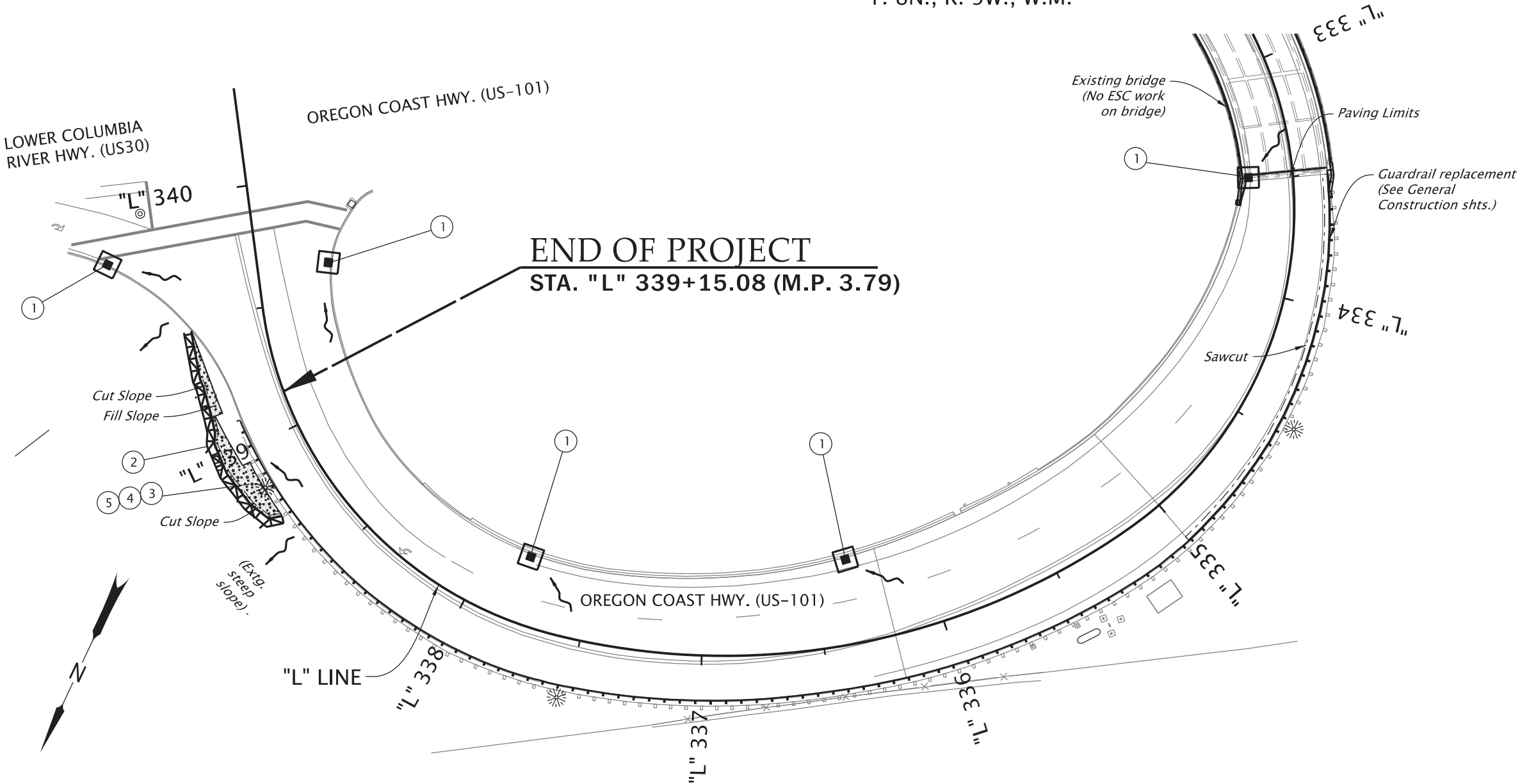
NOTES

- 1) See sheet EA01 for PCMS locations. See EA01 for applicable PCMS messages.
- 2) Adjust PCMS location, as needed, to make full message visible to approaching traffic.
- 3) See sheets J06 - J10 for staging typical sections and for additional construction sequencing details.
- 4) Cover all inconsistent signs when the sign messages are not applicable to the Work being done.
- 5) For Stages I and II, move nightly closure signs to a location that will not block the visibility of daytime temporary signs. Cover nightly closure sign or turn sign face away from approaching traffic. See sht. EB01 for Nightly Closure Sign details.
- 6) Allow emergency vehicles immediate passage at all times.



	DAVID EVANS AND ASSOCIATES INC. 5121 Skyline Village Loop S, Suite 200 Salem Oregon 97306 Phone: 503.361.8635	
US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT		
OREGON COAST HIGHWAY CLATSOP COUNTY		
Designer: Scott McCanna	Reviewer: Dana Shuff	
CADD Tech: Tammy Taggart	Checker: Shelly Alexander	
TRAFFIC CONTROL PLAN		SHEET NO. EC12

T. 8N., R. 9W., W.M.

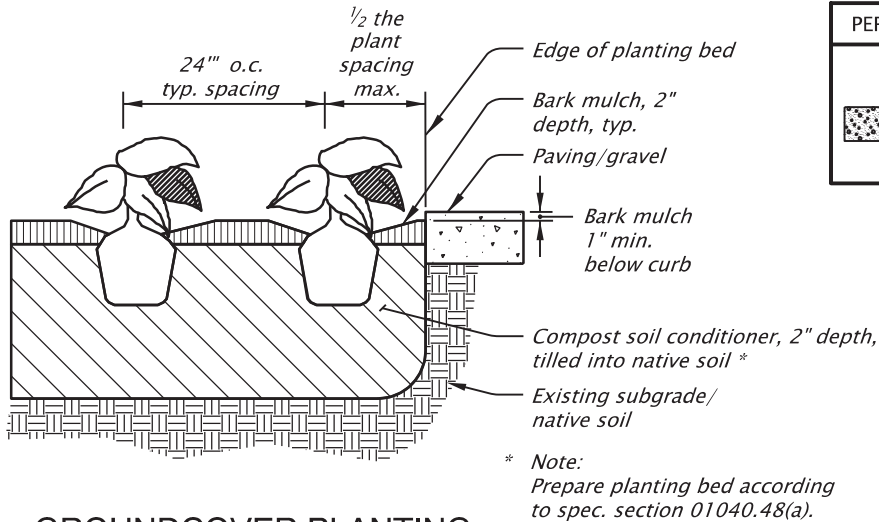


CONSTRUCTION NOTES

- 1 Install inlet protection, Type 3 - 5 this sht. (See dwg. no. RD1010)
- 2 Install sediment barrier, type 3 (See dwg. no. RD1030)
- 3 Apply temporary mulch according to spec. 00280.42
- 4 Install groundcovers, #SP4 Grace Ward Lithodora - 100 this sht. (See details, this sht.)
- 5 Apply bark mulch, 2 inch depth (See specs. section 01040)

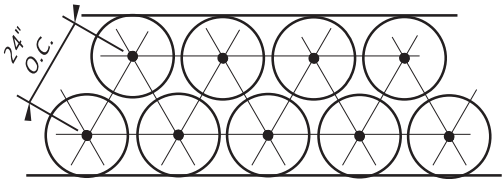
LEGEND

- Inlet protection, type 3 (prefab. filter insert)
- Sediment barrier, type 3 (fiber roll / wattle)
- Temp. / permanent mulch & groundcover



GROUNDCOVER PLANTING

PERMANENT GROUNDCOVER - PLANT & MATERIALS SCHEDULE				
	COMMON NAME / BOTANICAL NAME	BID ITEM	SPACING	QTY.
	Grace Ward Lithodora / Lithodora diffusa 'Grace Ward'	Groundcover, #SP4 Cont.	24" o.c.	100 EA.
	~	Bark Mulch	~	2.5 C.Y.



GROUNDCOVER SPACING PATTERN

REGISTERED
727
DIGITAL SIGNATURE 2026.08.17 12:35:18-07'00'
BROOKLEY E. HENRI
OREGON
11/12/2010
LANDSCAPE ARCHITECT
EXPIRES: 11-30-2026

DAVID EVANS
AND ASSOCIATES INC.
2100 S River Parkway, Suite 100
Portland Oregon 97201
Phone: 503.223.6663

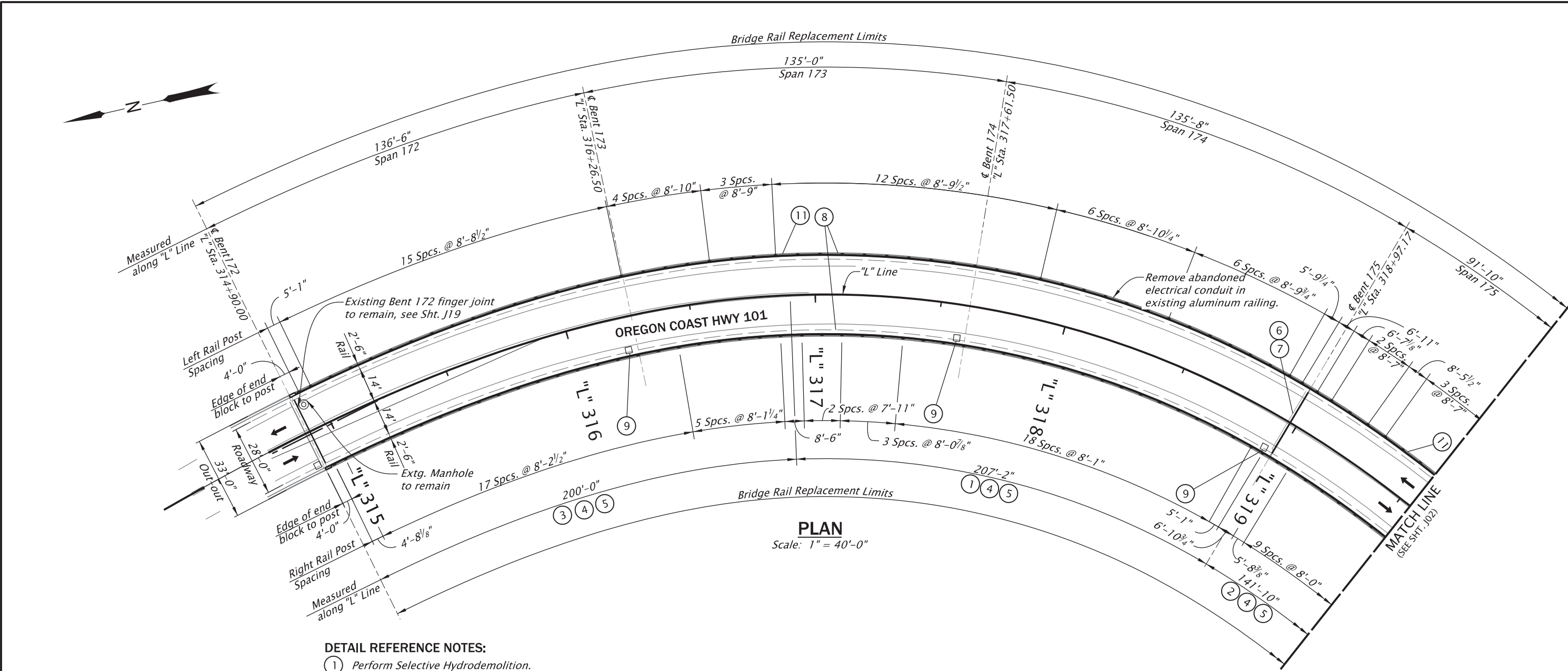
US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT
OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Brookley Henri, PLA
CADD Tech: Kelly Roper

Reviewer: Skyler Flood, PLA
Checker: Ted Stewart, PE

EROSION AND SEDIMENT CONTROL

SHEET NO.
FB01

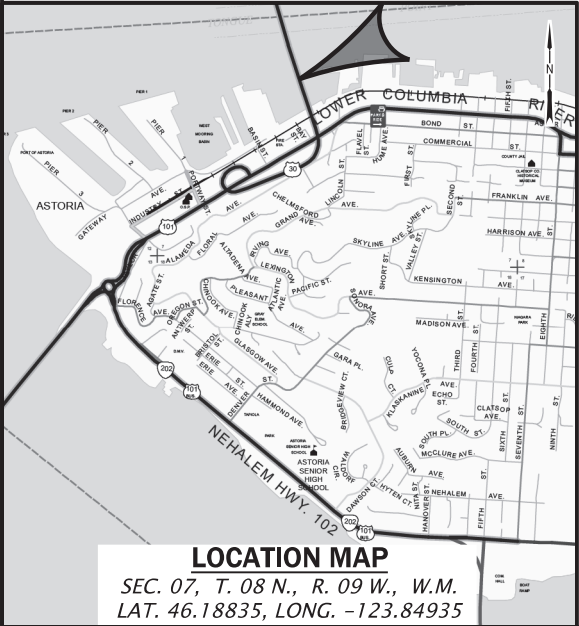


PLAN

Scale: 1" = 40'-0"

DETAIL REFERENCE NOTES:

- ① Perform Selective Hydrodemolition.
- ② Perform Deep Cut Hydrodemolition, 1" depth.
- ③ Perform Deep Cut Hydrodemolition, 0"-2" depth.
- ④ Construct High Early Strength Concrete (HESC) Overlay Class 4000, 2" depth.
- ⑤ Construct Surface Texturing.
- ⑥ Install Precompressed Foam Silicone Joint Seal, see Sht. J18.
- ⑦ Construct Elastomeric Concrete Nosing, see Shts. J18 and J19.
- ⑧ Install 2-Tube Parapet Mount Rail Retrofit (Total Quantity = 3,711 feet).
- ⑨ Modify Existing Bridge Drains (inlet).
- ⑩ Construct Control Joint.
- ⑪ Construct Bridge Structure Mounts, see Signing sheets for location and Sht. J20 for details.



NOT FOR CONSTRUCTION - INFORMATIONAL DWGS.:
17601, 17602, 17644-17655, 17664,
17666-17695, 17698, 18657
and 14660

ACCOMPANIED BY DWGS.:
J02-J20, RD505, RD580 and TM676

IF THIS MEASURES
1 INCH
THEN DRAWING IS TO SCALE

STRUCTURE NO.	07949F
BDS DWG NO.	114612
CALC. BOOK	8047
HWY: 009	
M.P.: 3.2	
COUNTY	Clatsop
DATE	08/2026



RENEW: 06-30-2027



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Portland Oregon 97201
Phone: 503.223.6663



Columbia R_Hwy 009_MP3.20
**US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT**

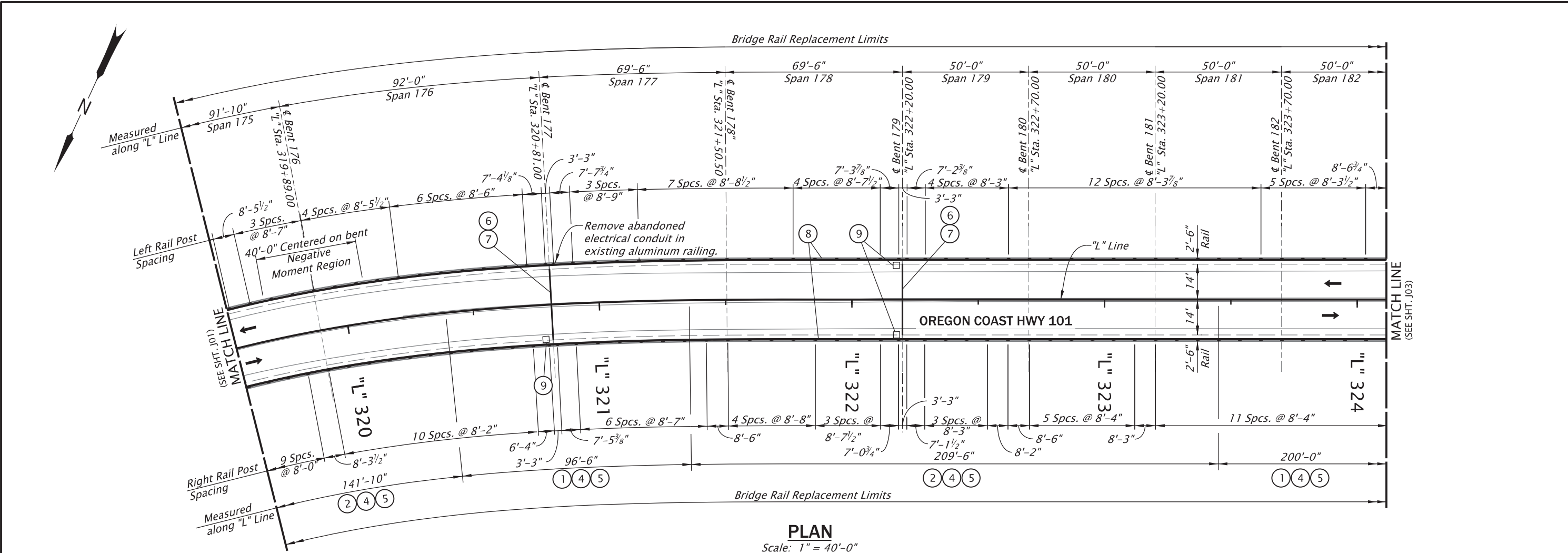
OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Jillian Robinson
CADD Tech: Dustin Altenburg

Reviewer: Josh Goodall
Checker: Travis Kinney

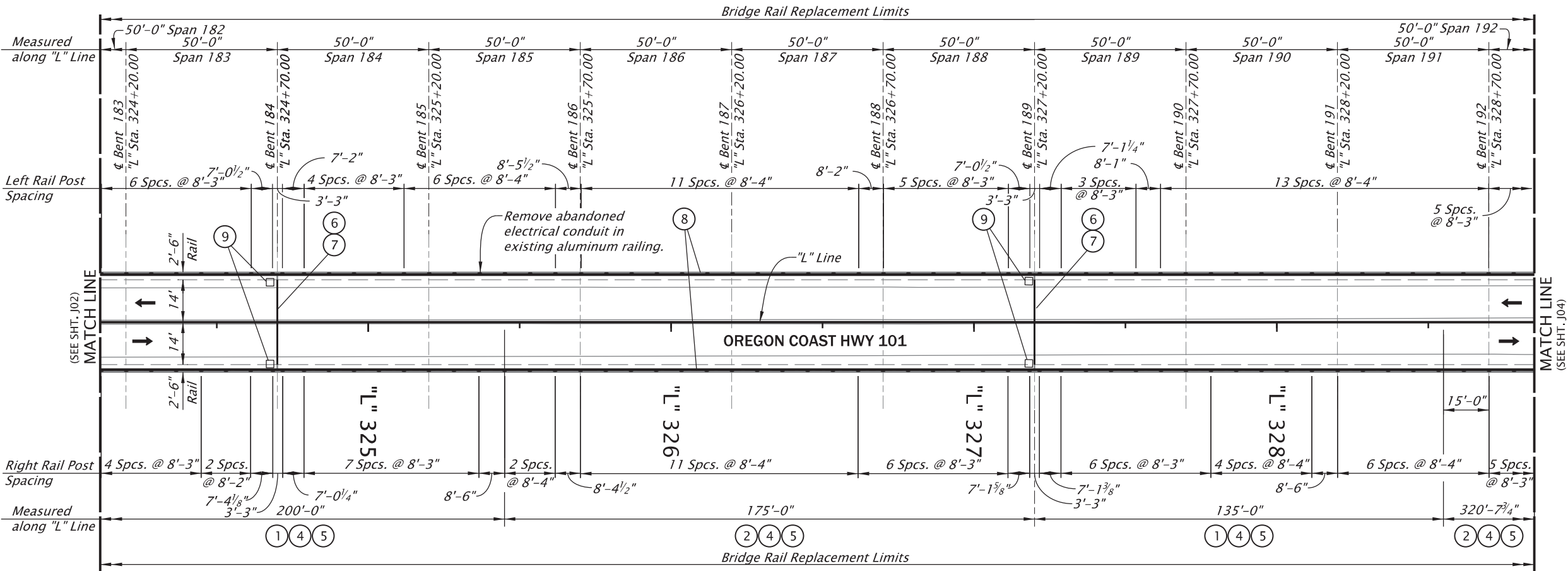
GENERAL PLAN (1 OF 4)

SHEET NO.
J01



For accompanied by drawings, see sht. J01

STRUCTURE NO. 07949F			DAVID EVANS AND ASSOCIATES INC. 2100 S River Parkway, Suite 100 Portland Oregon 97201 Phone: 503.223.6663	
BDS DWG NO. 114613				
CALC. BOOK 8047				
HWY: 009 M.P.: 3.2				
COUNTY Clatsop				
DATE 08/2026	RENEW: 06-30-2027	Columbia R_Hwy 009_MP3.20 US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CLATSOP COUNTY		
		Designer: Jillian Robinson CADD Tech: Dustin Altenburg	Reviewer: Josh Goodall Checker: Travis Kinney	SHEET NO. J02
		GENERAL PLAN (2 OF 4)		



PLAN
Scale: 1" = 40'-0"

For accompanied by drawings, see sht. J01

STRUCTURE NO. 07949F			DAVID EVANS AND ASSOCIATES INC. 2100 S River Parkway, Suite 100 Portland Oregon 97201 Phone: 503.223.6663	
BDS DWG NO. 114614				
CALC. BOOK 8047				
HWY: 009 M.P.: 3.2				
COUNTY Clatsop				
DATE 08/2026	Columbia R_Hwy 009_MP3.20 US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CLATSOP COUNTY			
RENEWS: 06-30-2027		Designer: Jillian Robinson CADD Tech: Dustin Altenburg		Reviewer: Josh Goodall Checker: Travis Kinney
		GENERAL PLAN (3 OF 4)		SHEET NO. J03

GENERAL NOTES:

DESIGN NOTES:

Work on Bridge 07949F is designed in accordance with the 2024 edition of the "AASHTO LRFD Bridge Design Specifications" and October 2024 edition of the "Oregon Bridge Design Manual", in the Bridge Design Category 'Bridge Retrofit', as modified by the following:
Design Exception 21734-01 for non-standard bridge rail.

CONSTRUCTION NOTES:

Provide all materials and perform all work according to the "Oregon Standard Specifications for Construction 2024".

Many aspects of this work are dependent upon the geometry of the existing structure. Dimensions and geometry of existing features shown in these plans are based upon information shown in the as-constructed drawings and shall be considered approximate. Field verify all dimensions before ordering or fabricating and material or beginning any work.

Provide all reinforcing steel according to ASTM Specification A706, or AASHTO M31 (ASTM A615) Grade 60. Use the following splice lengths unless shown otherwise:

Reinforcing Splice Lengths (Class B) Grade 60 $f_c = 3.3$ ksi, $\lambda_{rc} = 0.4$, 2in min. concrete clear cover										
Bar Size	#3	#4	#5	#6	#7	#8	#9	#10	#11	#14 & #18
Uncoated	1'-4"	1'-9"	2'-2"	2'-7"	3'-0"	3'-5"	3'-10"	4'-4"	4'-10"	Not permitted

Increase all splice lengths 30% for horizontal or nearly horizontal bars so placed that more than 12" of fresh concrete is cast below the bar.

Place bars 2" clear of the nearest face of concrete unless shown otherwise.

Provide Class HESC4000 – $\frac{3}{4}$ concrete in deck.

Provide Class 3300 – 1 or $\frac{3}{4}$ concrete for all other concrete.

Provide and install ASTM F1554 Grade 105 anchor rods and dowels.

Provide mobile temporary work access and containment for bridge rail modification.

Rail and Transitions designed to meet MASH TL-4 requirements.

Provide steel tubing conforming to ASTM A500, Grade B, A501 or A618.

Provide steel plates conforming to AASHTO M183 (ASTM A36) unless otherwise noted.

Construct rail (posts) normal to roadway grade and parallel to existing concrete parapet face.

Factory bend steel rail tubing to align with traffic face of existing concrete parapet. The following radius of curvature is provided for information only, field verify all dimensions:

Bent 172 to Bent 176: 400'-0" left rail, 370'-0" right rail.

Bent 197 to Bent 200: 240'-0" left rail, 200'-0" right rail.

Bent 200 to Bent 202: 175'-0" left rail, 140'-0" right rail.

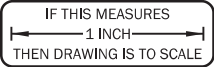
Hot-dip galvanize structural steel including fasteners after fabrication. Provide Galvanize-Control Silicon posts and horizontal rail steel tubing. Tap nuts and inserts 0.021" oversize after galvanizing in accordance with ASTM A563.

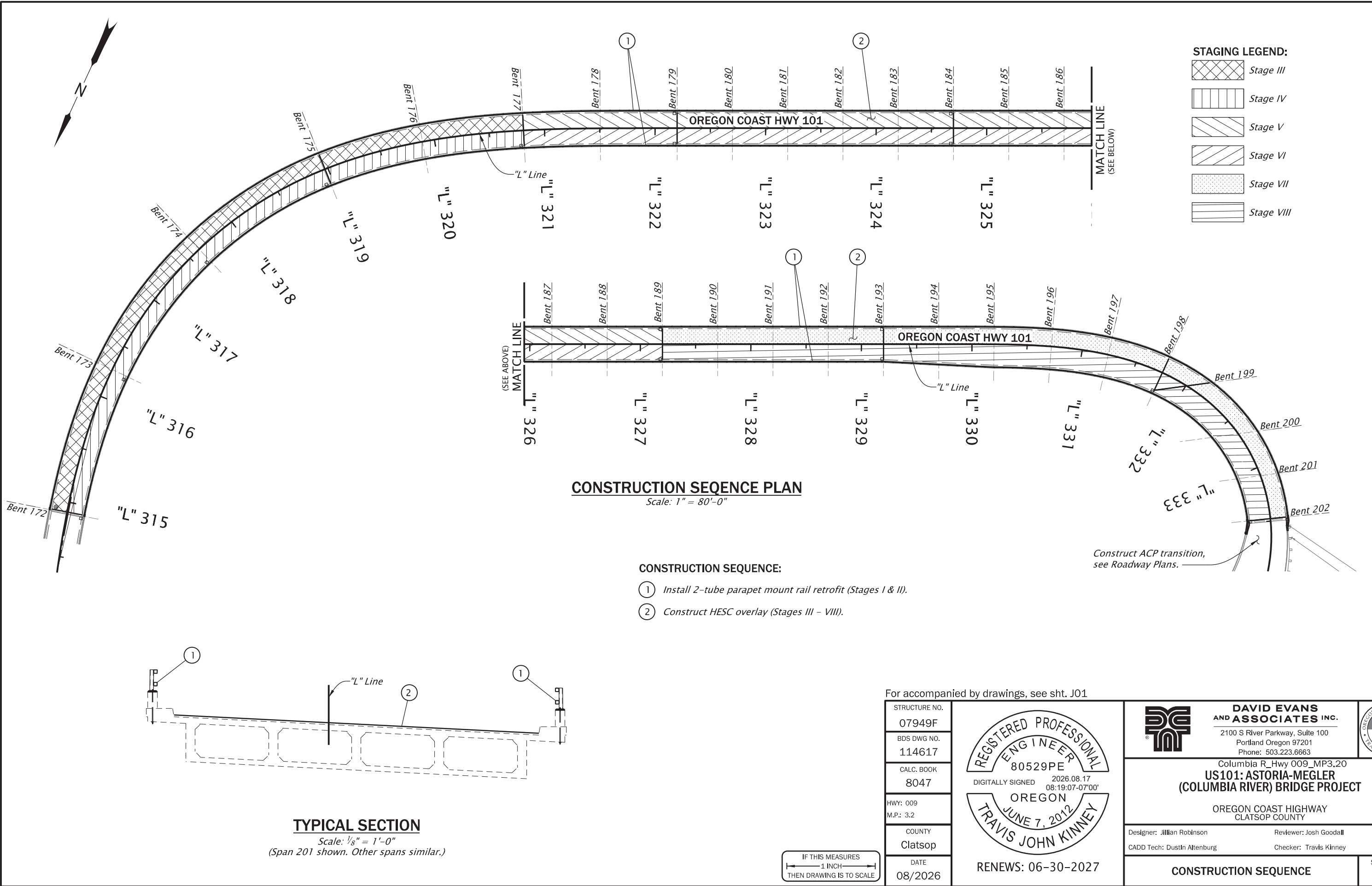
RESIN BONDED ANCHOR NOTES:

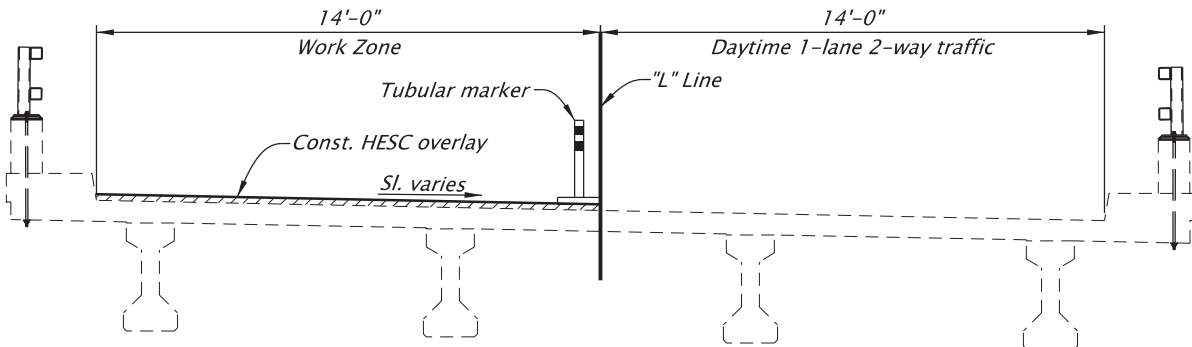
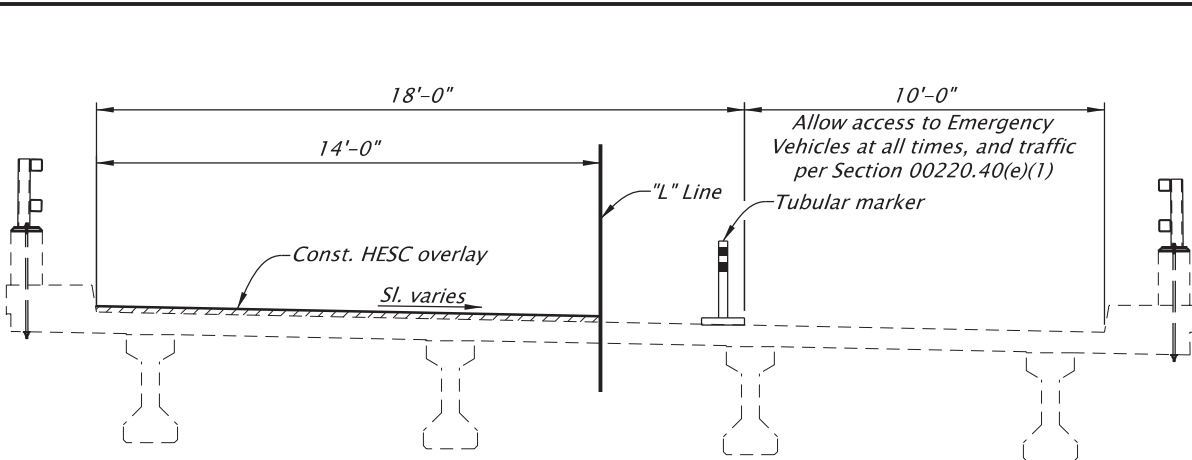
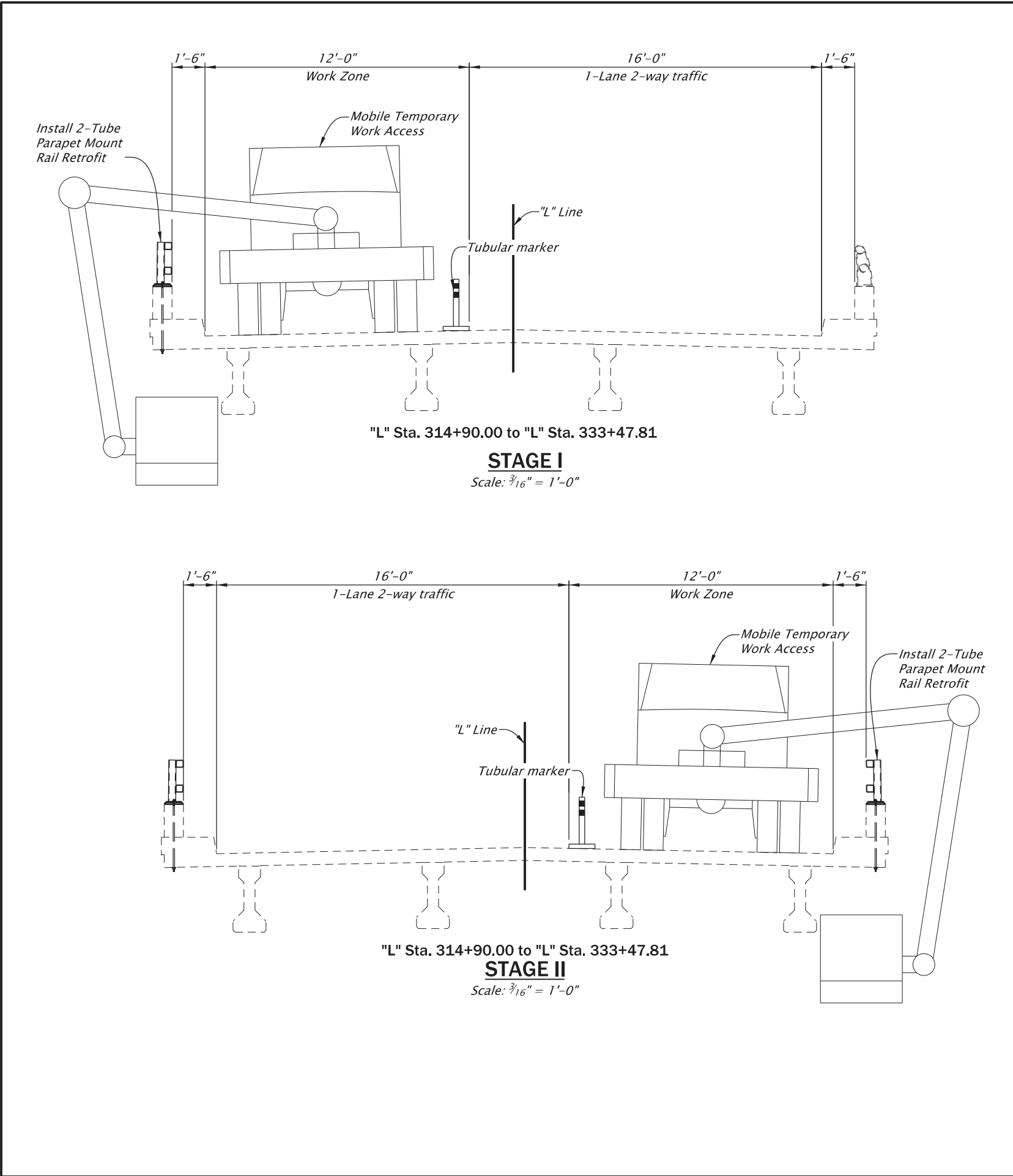
Provide and install resin bonded anchors and rebar as shown. Use high strength resin from the QPL. The characteristic bond stress used in the design is 1200 psi. See Sheets J13-J17 and J20 for minimum pullout strength and minimum effective embedment requirements. Install anchors according to the manufacturer's recommendations and the Special Provisions.

For accompanied by drawings, see sht. J01

STRUCTURE NO. 07949F		 DAVID EVANS AND ASSOCIATES INC. 2100 S River Parkway, Suite 100 Portland Oregon 97201 Phone: 503.223.6663	
BDS DWG NO. 114616			
CALC. BOOK 8047		Columbia R_Hwy 009_MP3.20 US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT	
HWY: 009 M.P.: 3.2		OREGON COAST HIGHWAY CLATSOP COUNTY	
COUNTY Clatsop		Designer: Jillian Robinson CADD Tech: Dustin Altenburg	Reviewer: Josh Goodall Checker: Travis Kinney
DATE 08/2026	RENEWS: 06-30-2027	GENERAL NOTES	SHEET NO. J05

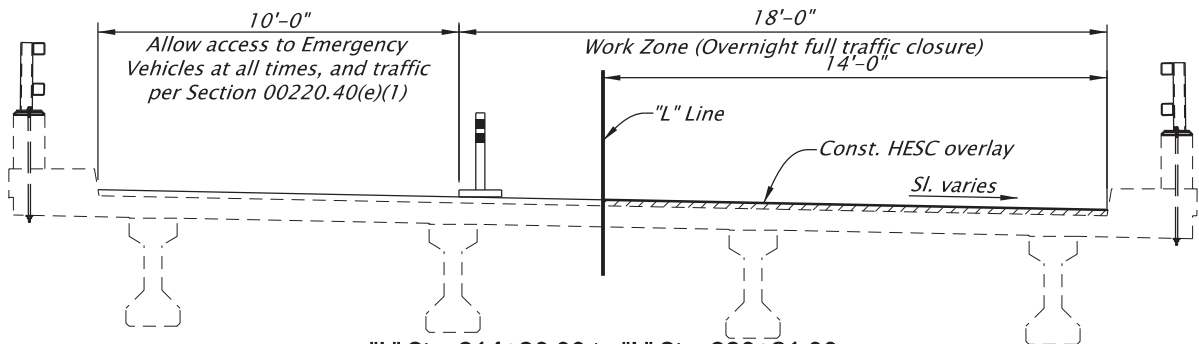






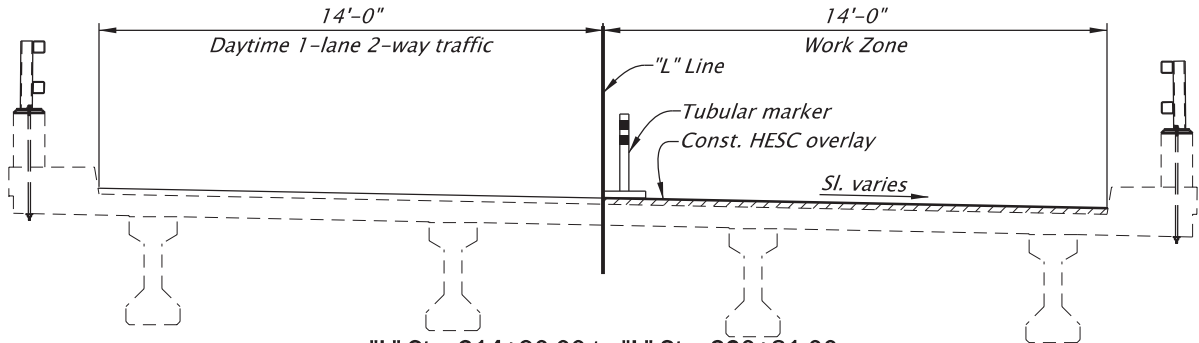
NOTE:
See the Traffic Control Plan for details.
For accompanied by drawings, see sht. J01

STRUCTURE NO. 07949F		 DAVID EVANS AND ASSOCIATES INC. 2100 S River Parkway, Suite 100 Portland Oregon 97201 Phone: 503.223.6663		
BDS DWG NO. 114618				
CALC. BOOK 8047		Columbia R_Hwy 009_MP3.20 US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT		
HWY: 009 M.P.: 3.2		OREGON COAST HIGHWAY CLATSOP COUNTY		
COUNTY Clatsop		Designer: Jillian Robinson CADD Tech: Dustin Altenburg	Reviewer: Josh Goodall Checker: Travis Kinney	
DATE 08/2026	RENEWS: 06-30-2027	STAGING DETAILS (1 OF 4)	SHEET NO. J07	



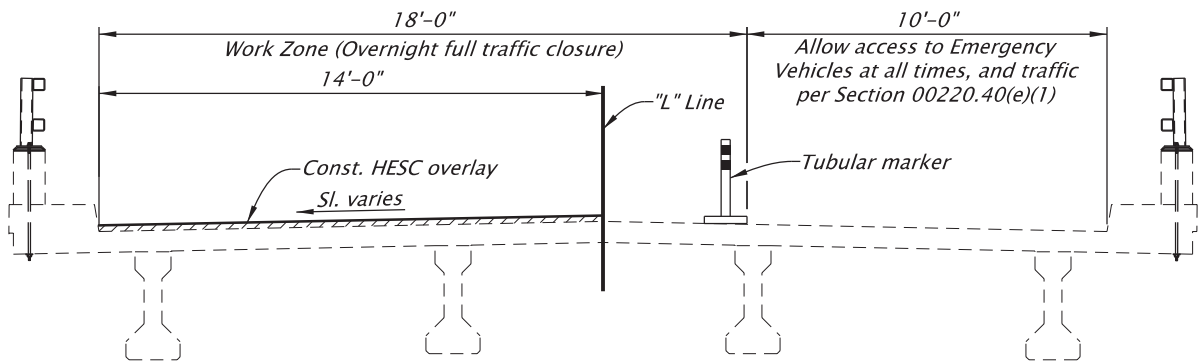
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STAGE IV OVERNIGHT CLOSURE

Scale: 3/16" = 1'-0"



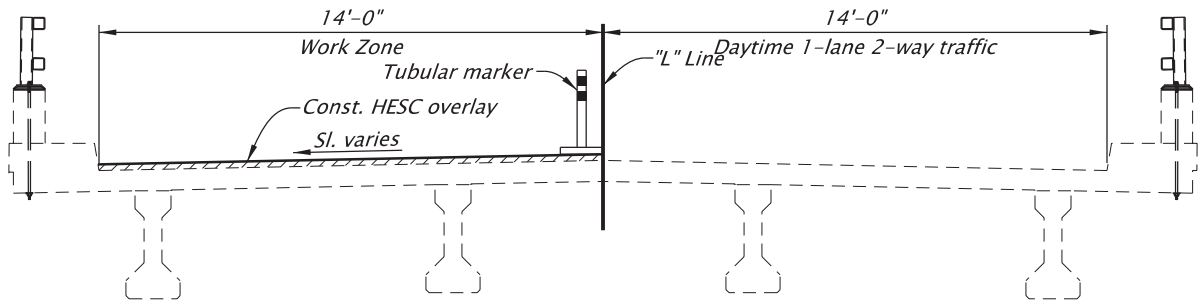
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STAGE IV DAYTIME ONE-LANE CLOSURE

Scale: 3/16" = 1'-0"



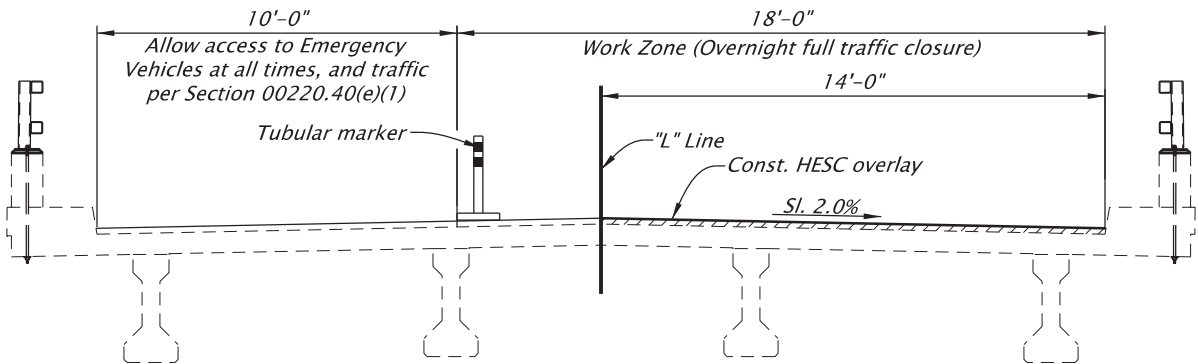
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STAGE V OVERNIGHT CLOSURE

Scale: 3/16" = 1'-0"



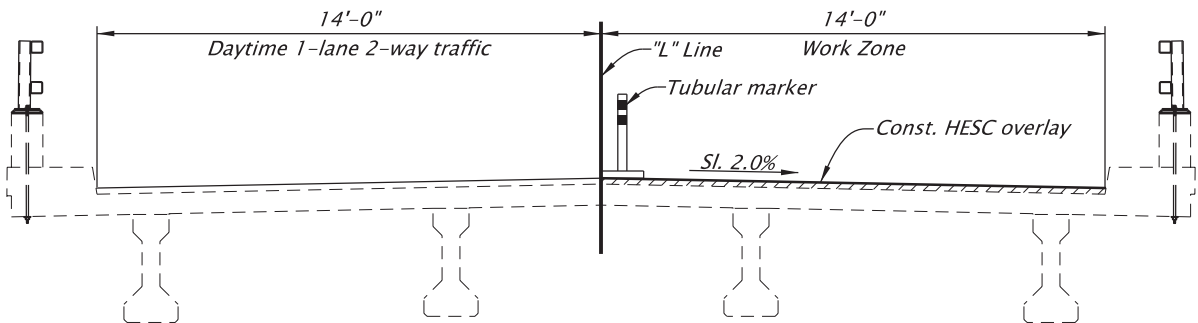
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STAGE V DAYTIME ONE-LANE CLOSURE

Scale: 3/16" = 1'-0"



"L" Sta. 320+81.00 to "L" Sta. 327+20.00
STAGE VI OVERNIGHT CLOSURE

Scale: 3/16" = 1'-0"

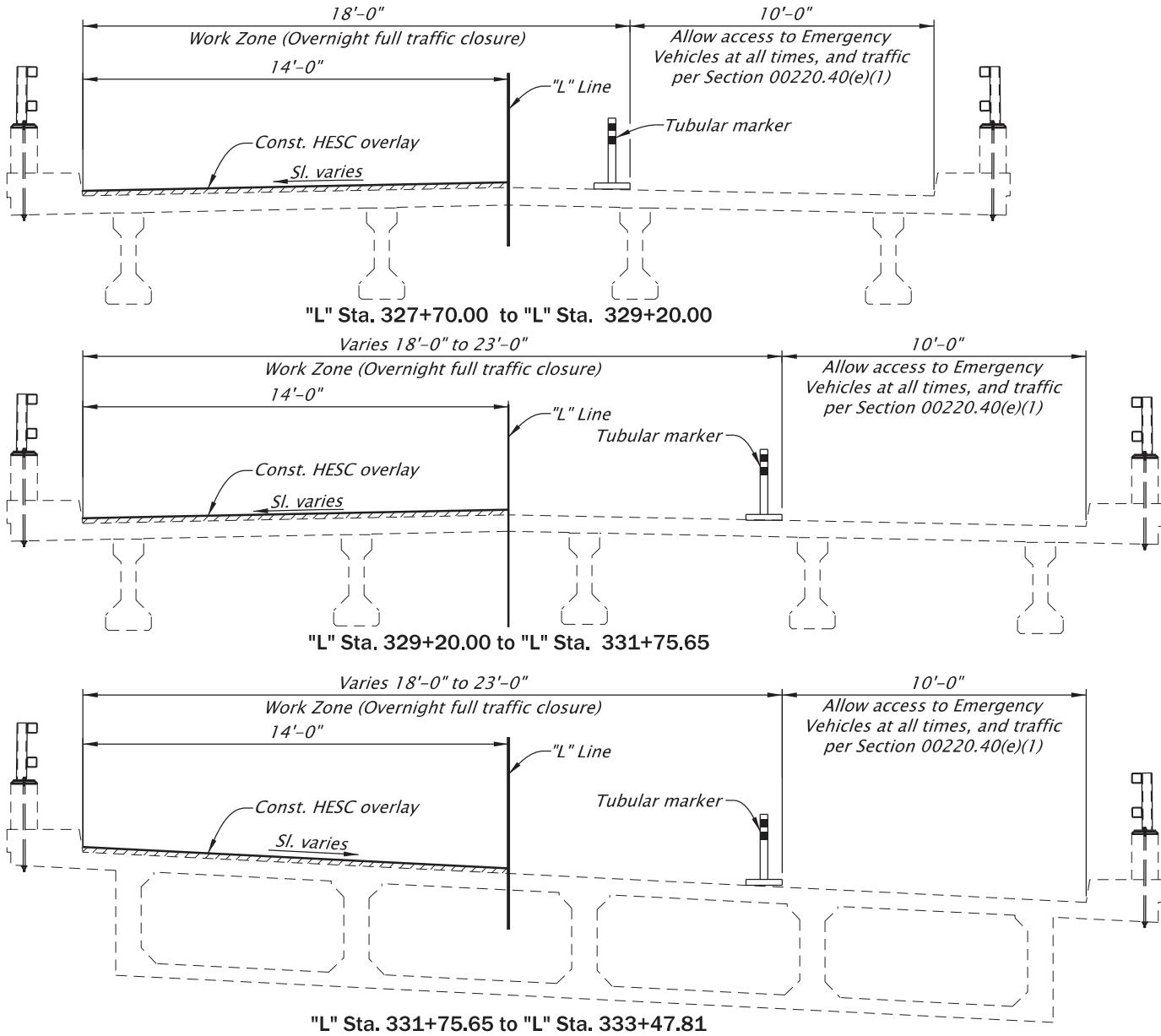


"L" Sta. 320+81.00 to "L" Sta. 327+20.00
STAGE VI DAYTIME ONE-LANE CLOSURE

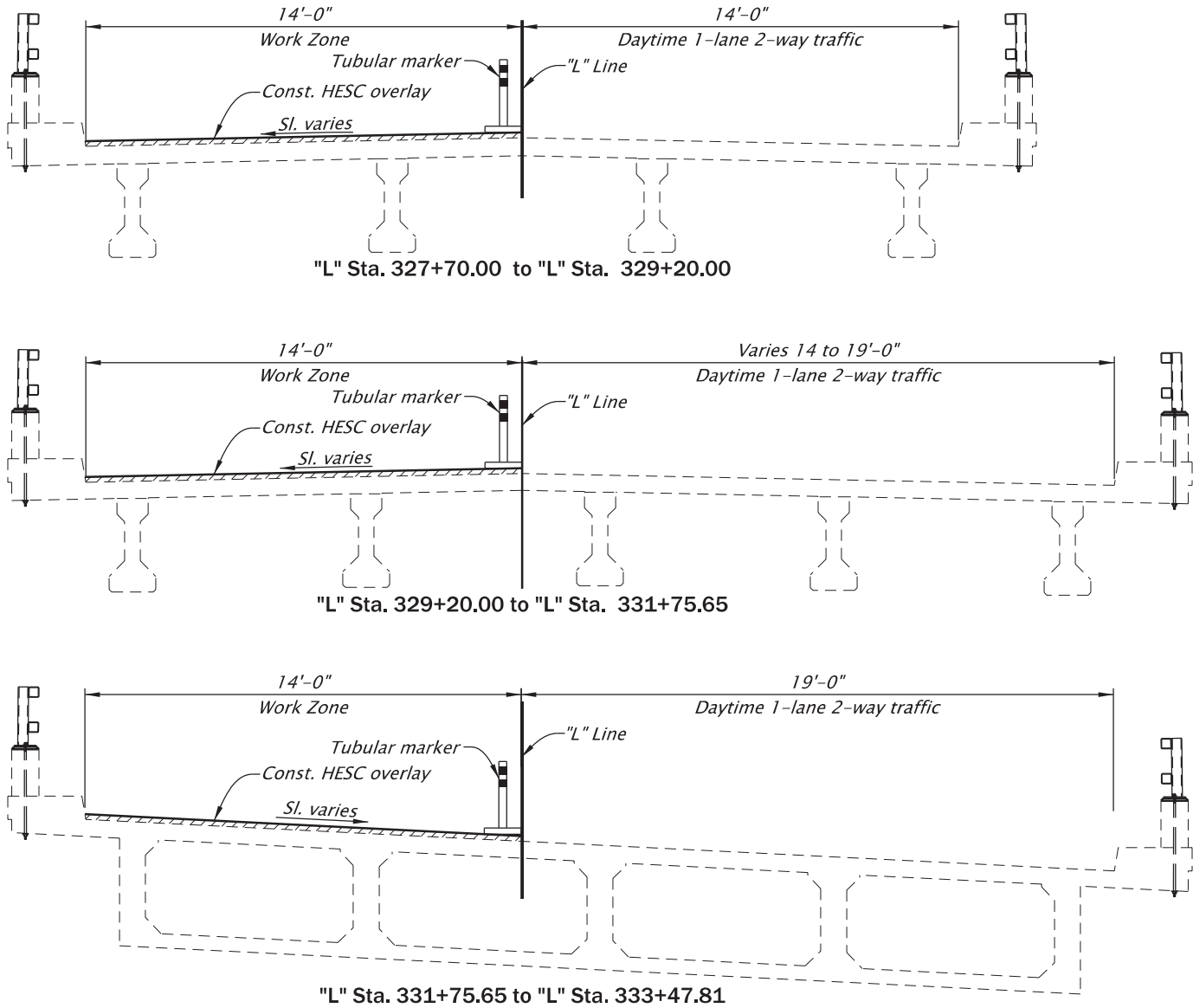
Scale: 3/16" = 1'-0"

NOTE:
See the Traffic Control Plan for details.
For accompanied by drawings, see sht. J01

STRUCTURE NO. 07949F	 RENEWS: 06-30-2027	 DAVID EVANS AND ASSOCIATES INC. 2100 S River Parkway, Suite 100 Portland Oregon 97201 Phone: 503.223.6663		
BDS DWG NO. 114619				
CALC. BOOK 8047		Columbia R_Hwy 009_MP3.20 US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT		
HWY: 009 M.P.: 3.2		OREGON COAST HIGHWAY CLATSOP COUNTY		
COUNTY Clatsop		Designer: Jillian Robinson CADD Tech: Dustin Altenburg	Reviewer: Josh Goodall Checker: Travis Kinney	
DATE 08/2026	STAGING DETAILS (2 OF 4)		SHEET NO. J08	



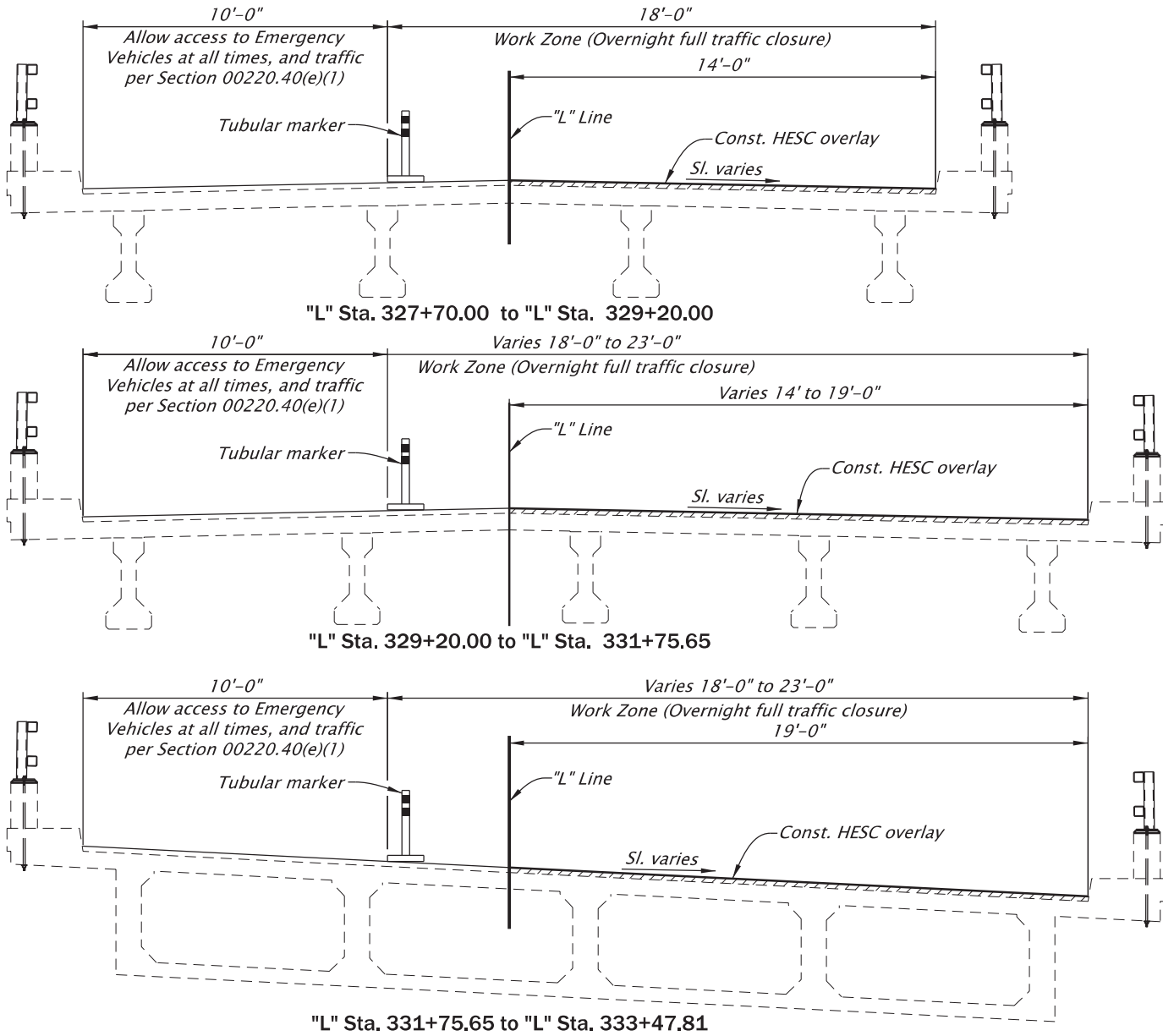
STAGE VII OVERNIGHT CLOSURE
Scale: 3/16" = 1'-0"



STAGE VII DAYTIME ONE-LANE CLOSURE
Scale: 3/16" = 1'-0"

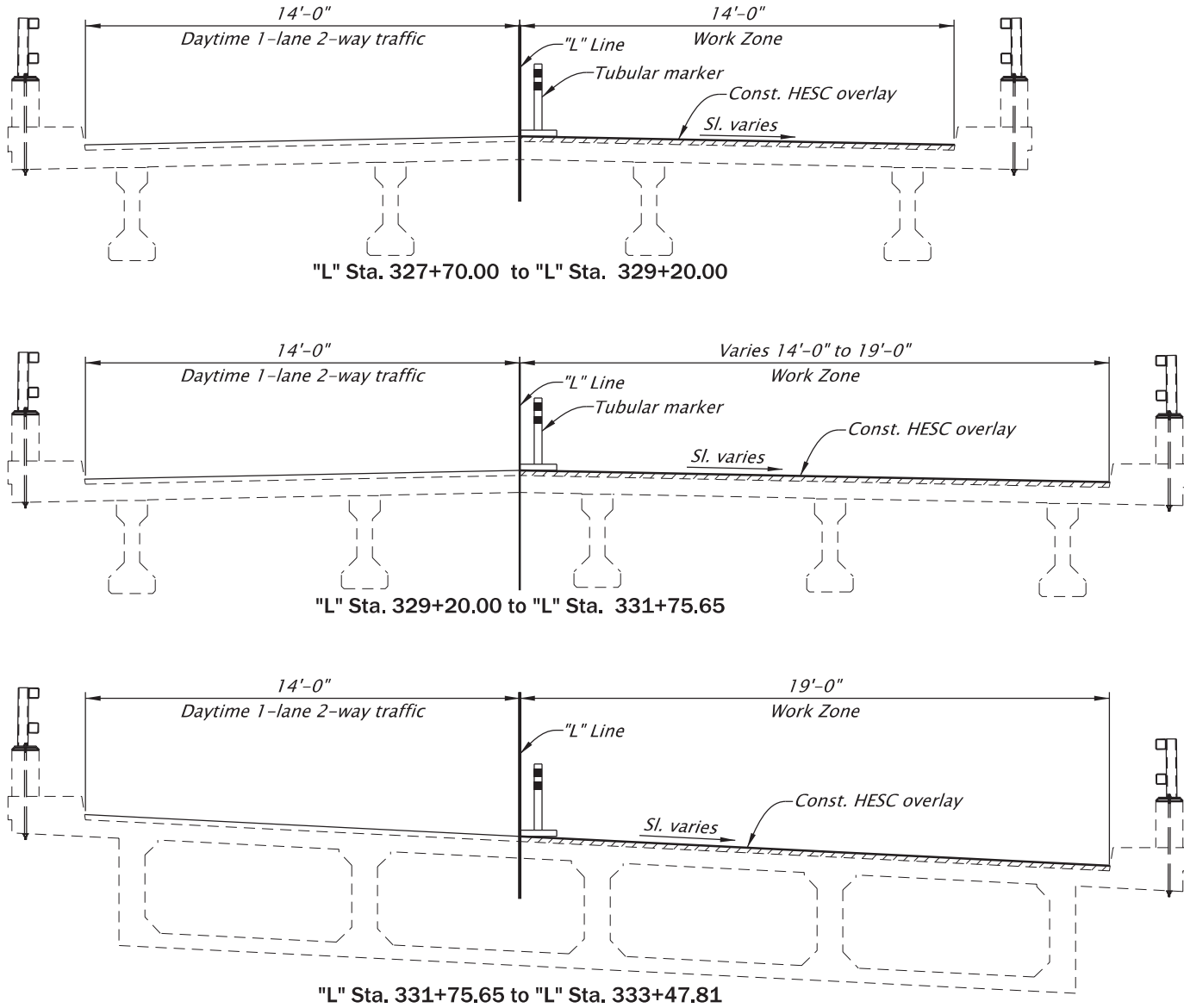
NOTE:
See the Traffic Control Plan for details.
For accompanied by drawings, see sht. J01

STRUCTURE NO. 07949F	 RENEW: 06-30-2027	 DAVID EVANS AND ASSOCIATES INC. 2100 S River Parkway, Suite 100 Portland Oregon 97201 Phone: 503.223.6663 Columbia R_Hwy 009_MP3.20 US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CLATSOP COUNTY	
BDS DWG NO. 114620			
CALC. BOOK 8047			
HWY: 009 M.P.: 3.2			
COUNTY Clatsop			
DATE 08/2026		Designer: Jillian Robinson CADD Tech: Dustin Altenburg	Reviewer: Josh Goodall Checker: Travis Kinney
		STAGING DETAILS (3 OF 4)	
		SHEET NO. J09	



STAGE VIII OVERNIGHT CLOSURE

Scale: $\frac{3}{16}" = 1'-0"$

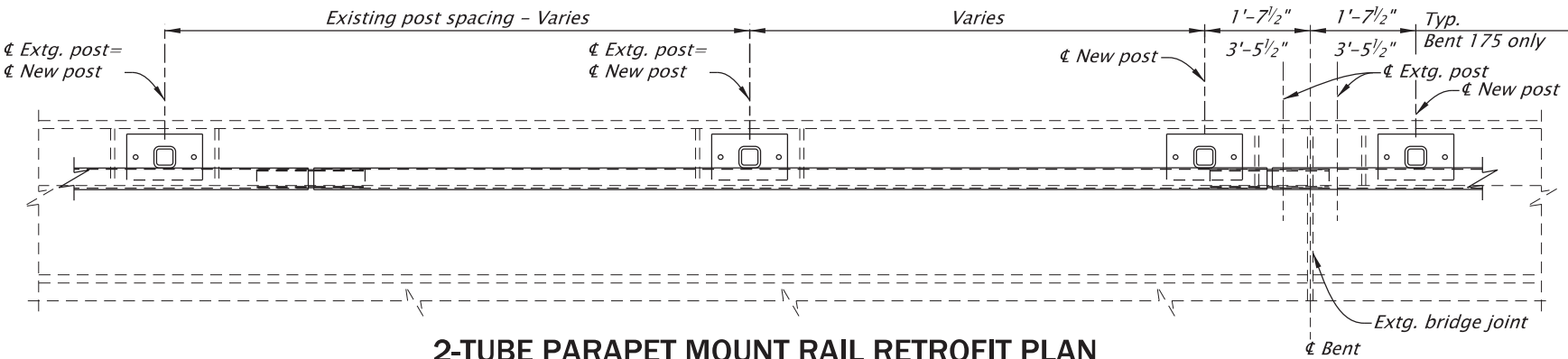


STAGE VIII DAYTIME ONE-LANE CLOSURE

Scale: $\frac{3}{16}" = 1'-0"$

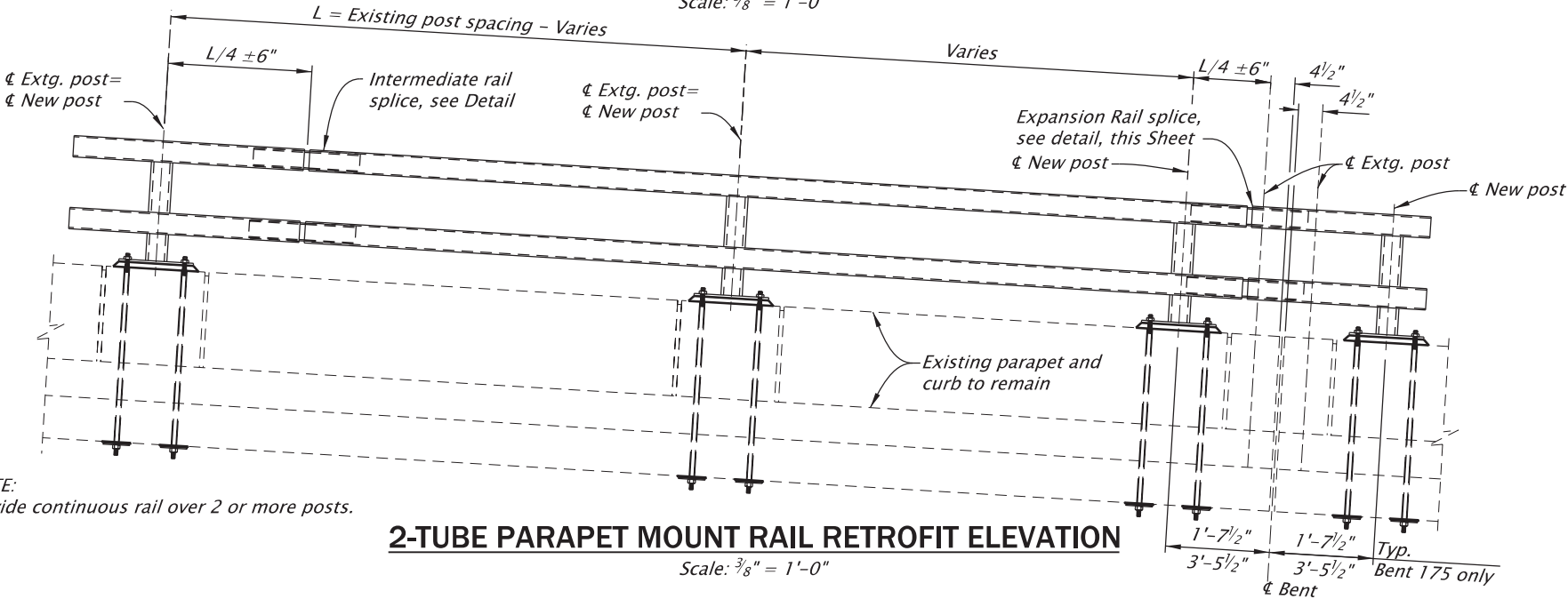
NOTE:
See the Traffic Control Plan for details.
For accompanied by drawings, see sht. J01

STRUCTURE NO. 07949F		 DAVID EVANS AND ASSOCIATES INC. 2100 S River Parkway, Suite 100 Portland Oregon 97201 Phone: 503.223.6663		
BDS DWG NO. 114621				
CALC. BOOK 8047		Columbia R_Hwy 009_MP3.20 US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT		
HWY: 009 M.P.: 3.2		OREGON COAST HIGHWAY CLATSOP COUNTY		
COUNTY Clatsop		Designer: Jillian Robinson CADD Tech: Dustin Altenburg	Reviewer: Josh Goodall Checker: Travis Kinney	
DATE 08/2026	STAGING DETAILS (4 OF 4)		SHEET NO. J10	



2-TUBE PARAPET MOUNT RAIL RETROFIT PLAN

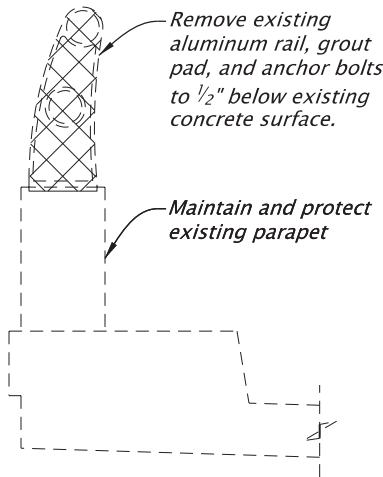
Scale: 3/8" = 1'-0"



2-TUBE PARAPET MOUNT RAIL RETROFIT ELEVATION

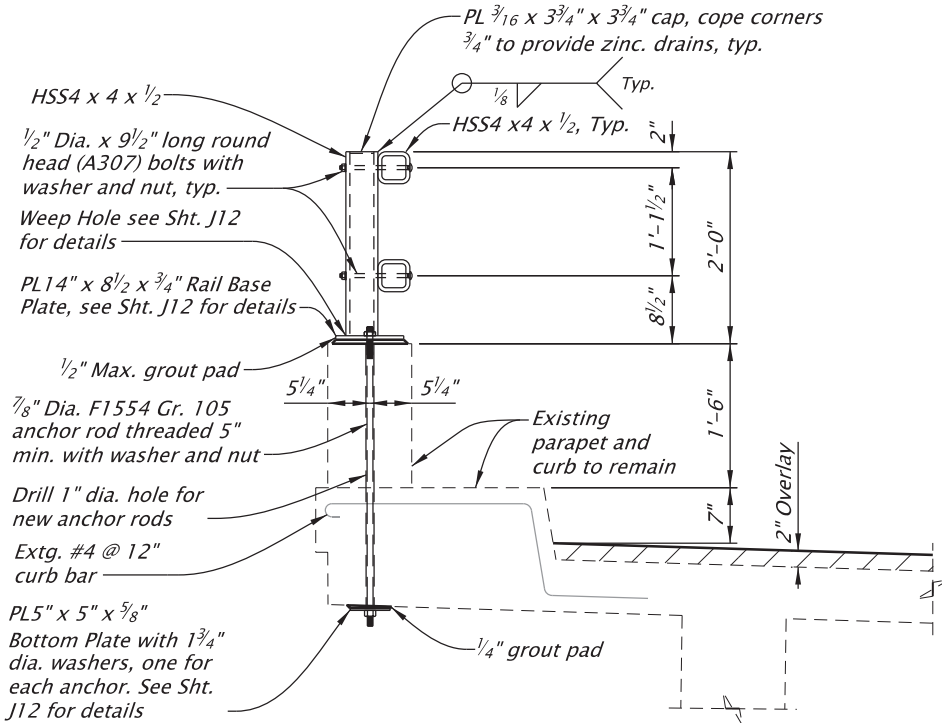
Scale: 3/8" = 1'-0"

NOTE:
Provide continuous rail over 2 or more posts.



EXISTING RAIL REMOVAL DETAIL

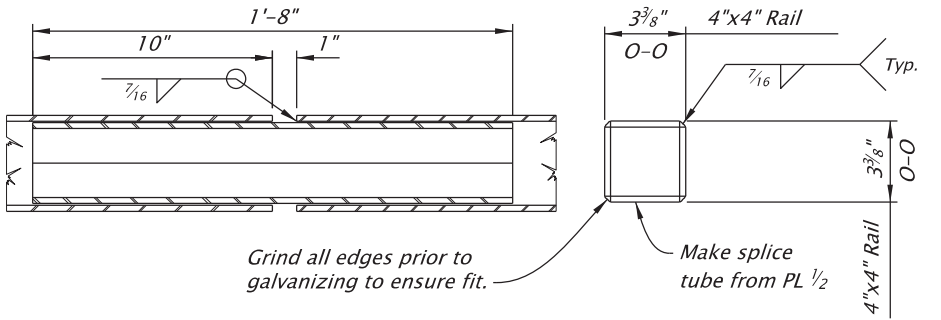
Scale: 1/2" = 1'-0"



2-TUBE PARAPET MOUNT RAIL RETROFIT SECTION

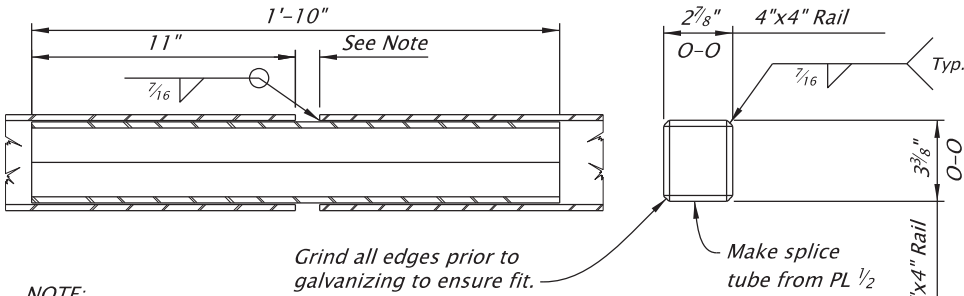
Scale: 1/2" = 1'-0"

IF THIS MEASURES
1 INCH
THEN DRAWING IS TO SCALE



INTERMEDIATE RAIL SPlice DETAIL

Scale: 1 1/2" = 1'-0"



NOTE:
Match existing joint opening at time of construction

EXPANSION JOINT RAIL SPlice DETAIL

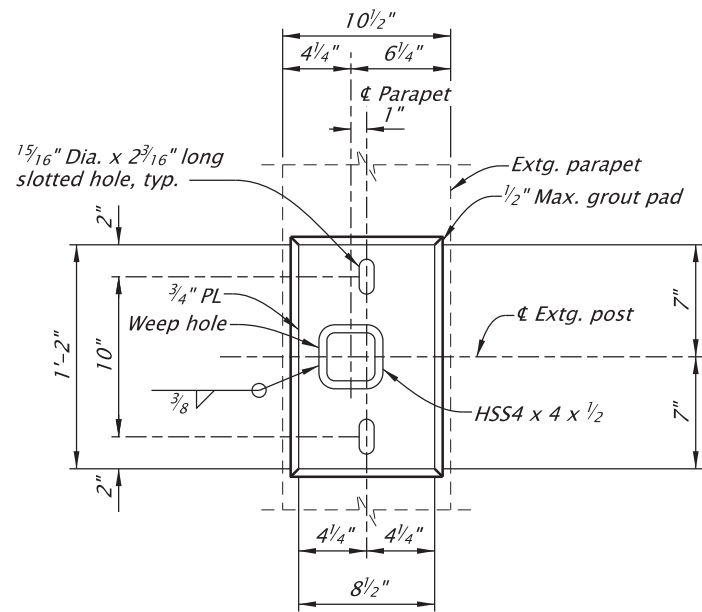
Scale: 1 1/2" = 1'-0"

RAIL CONSTRUCTION SEQUENCE:

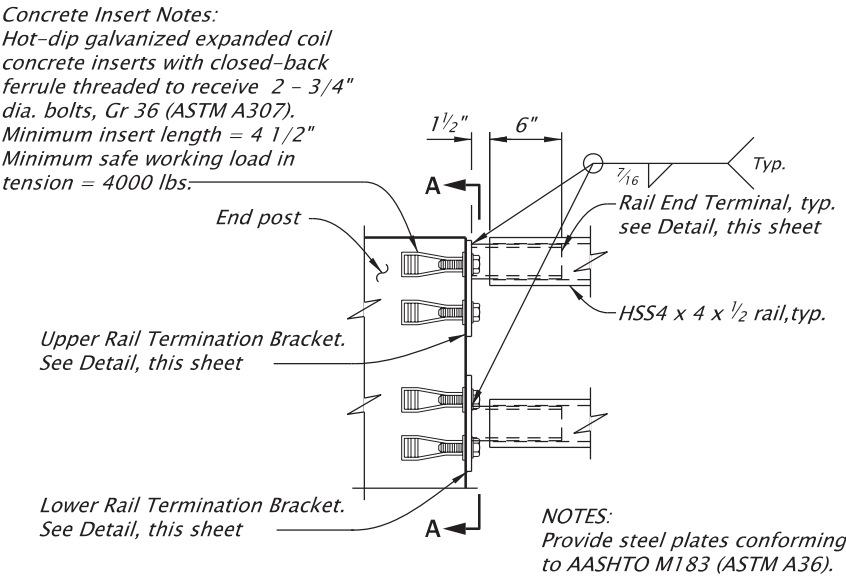
1. Core drill 1" diameter hole through parapet. Adjust hole to avoid conflicts with extg. #4 curb bar.
2. Remove existing aluminum rail, post, grout pad, and anchor.
3. Install post and anchor rod. Set post base plate on structural grout pad 1/2" max. Place a skim coat of structural grout between existing concrete and Bottom Plate. Tighten bolts to snug tight condition.
4. After grout reaches design strength, torque anchors to provide a tensile force of 39,000lbs per anchor. Use direct tension indicators (DTI) or other approved methods to confirm correct tension.
5. Install steel rail.

For accompanied by drawings, see sht. J01

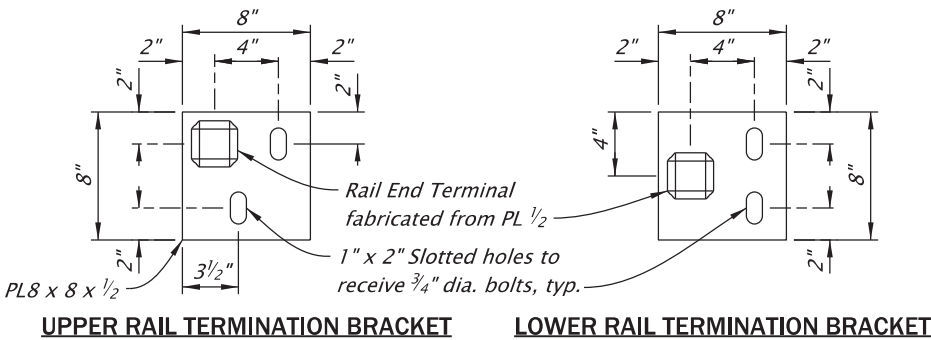
STRUCTURE NO. 07949F		 DAVID EVANS AND ASSOCIATES INC. 2100 S River Parkway, Suite 100 Portland Oregon 97201 Phone: 503.223.6663 Columbia R_Hwy 009_MP3.20 US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CLATSOP COUNTY	
BDS DWG NO. 114622			
CALC. BOOK 8047			
HWY: 009 M.P.: 3.2			
COUNTY Clatsop	RENEW: 06-30-2027	Designer: Carly Diehl CADD Tech: Dustin Altenburg	Reviewer: Josh Goodall Checker: Travis Kinney
DATE 08/2026		RAIL RETROFIT DETAILS (1 OF 6)	
	FINAL ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST	SHEET NO. J11	



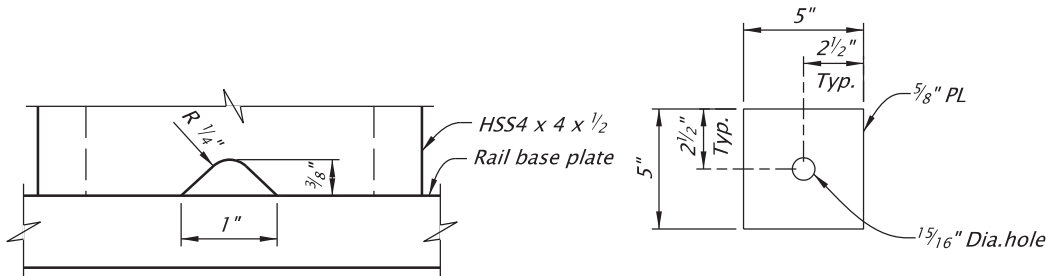
RAIL BASE PLATE DETAIL
Scale: 1" = 1'-0"



2-TUBE PARAPET MOUNT RAIL
RETROFIT TERMINATION DETAIL
Scale: 3/4" = 1'-0"

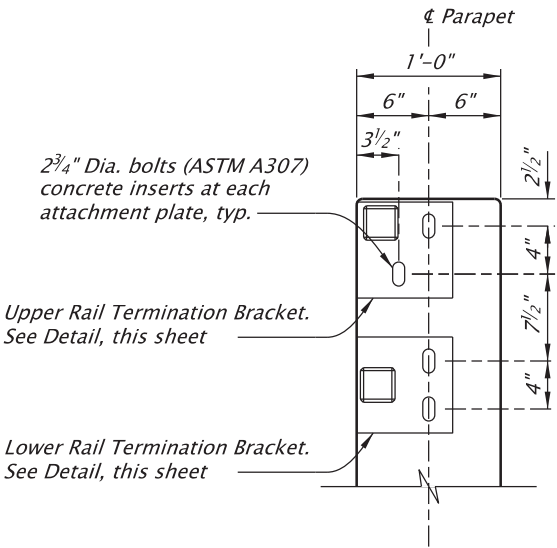


RAIL TERMINATION BRACKET DETAIL
Scale: 1" = 1'-0"

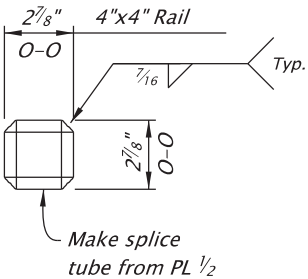


WEEP HOLE DETAIL
No Scale

BOTTOM PLATE DETAIL
Scale: 1 1/2" = 1'-0"



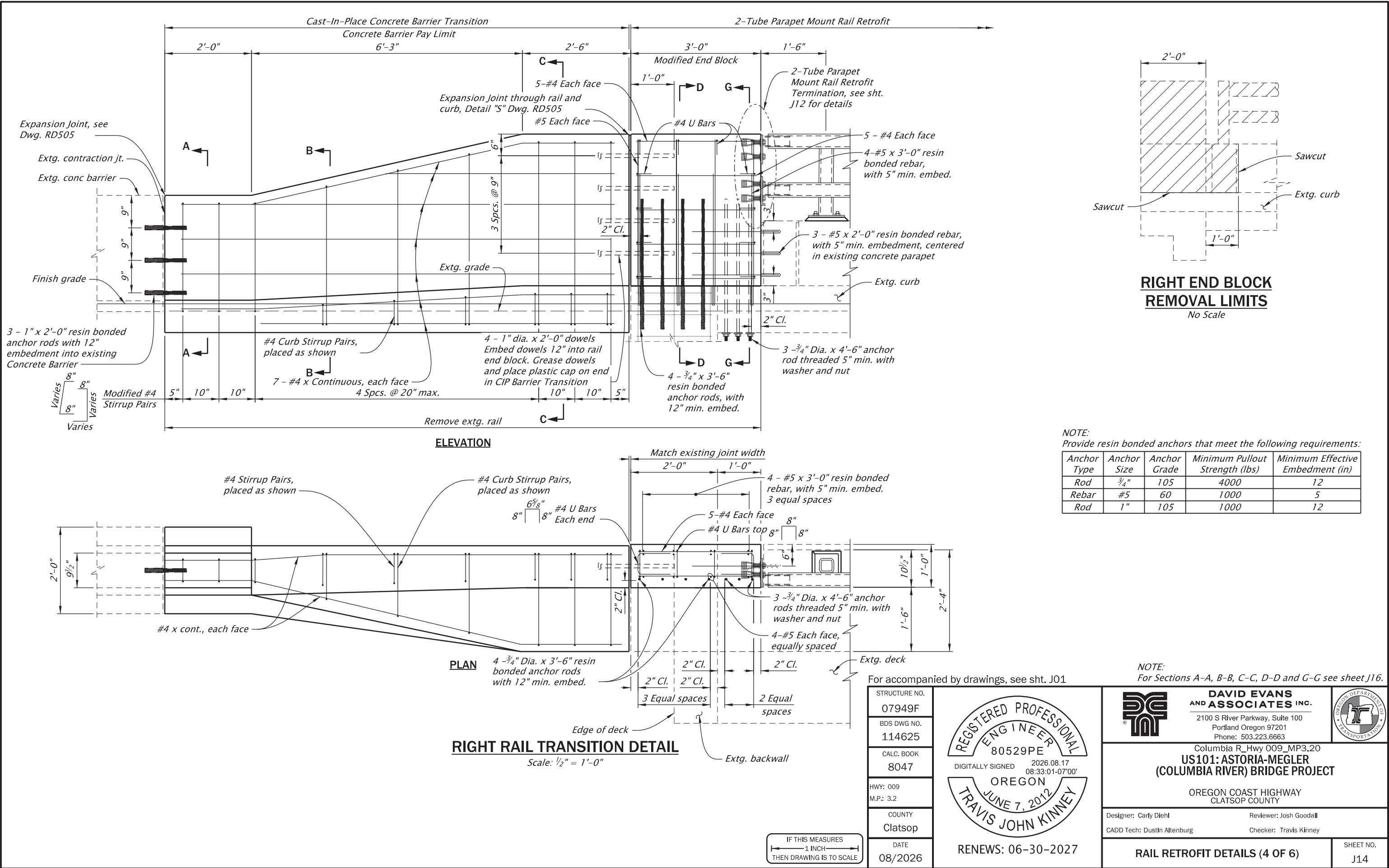
SECTION A-A
Scale: 1/2" = 1'-0"

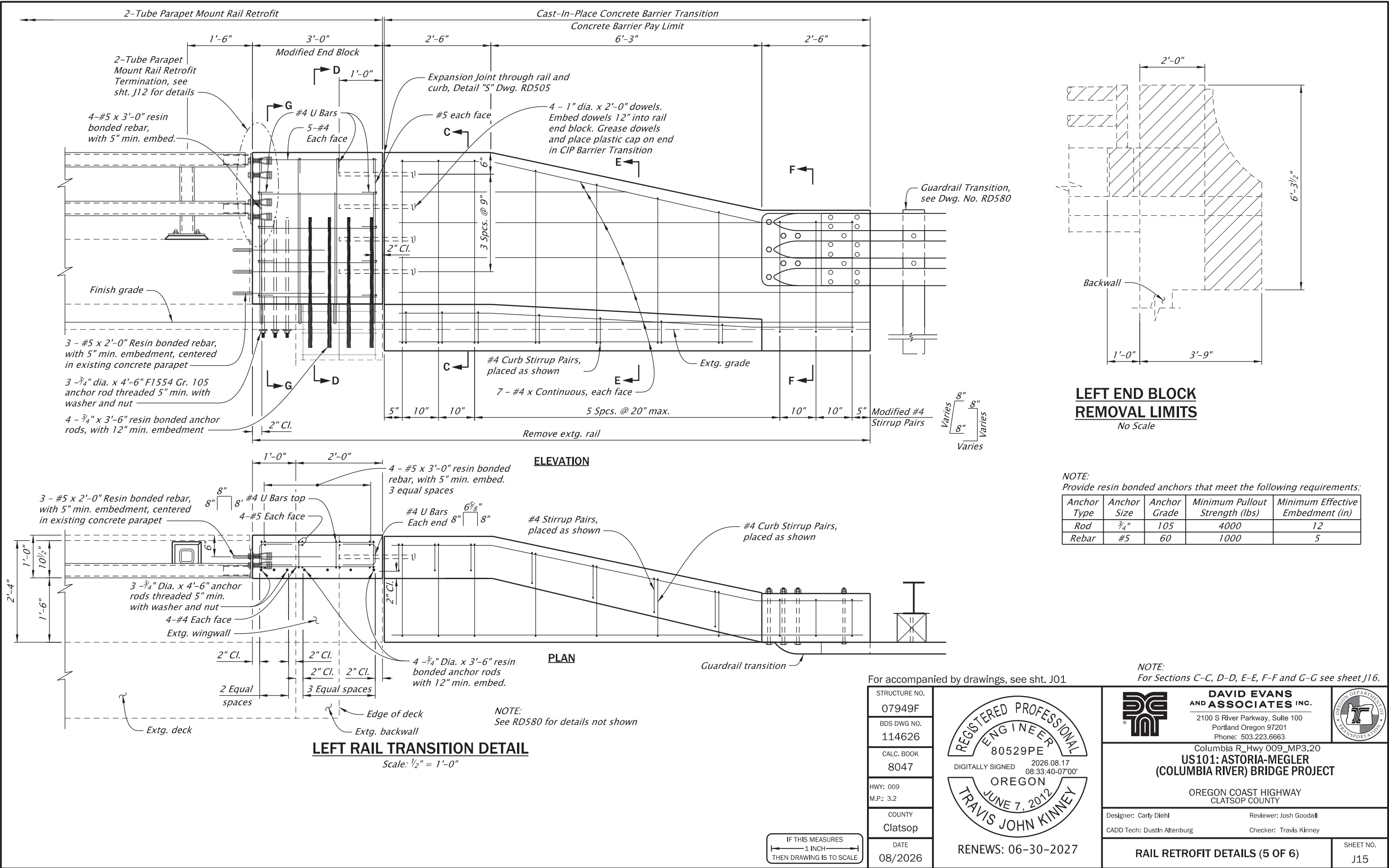


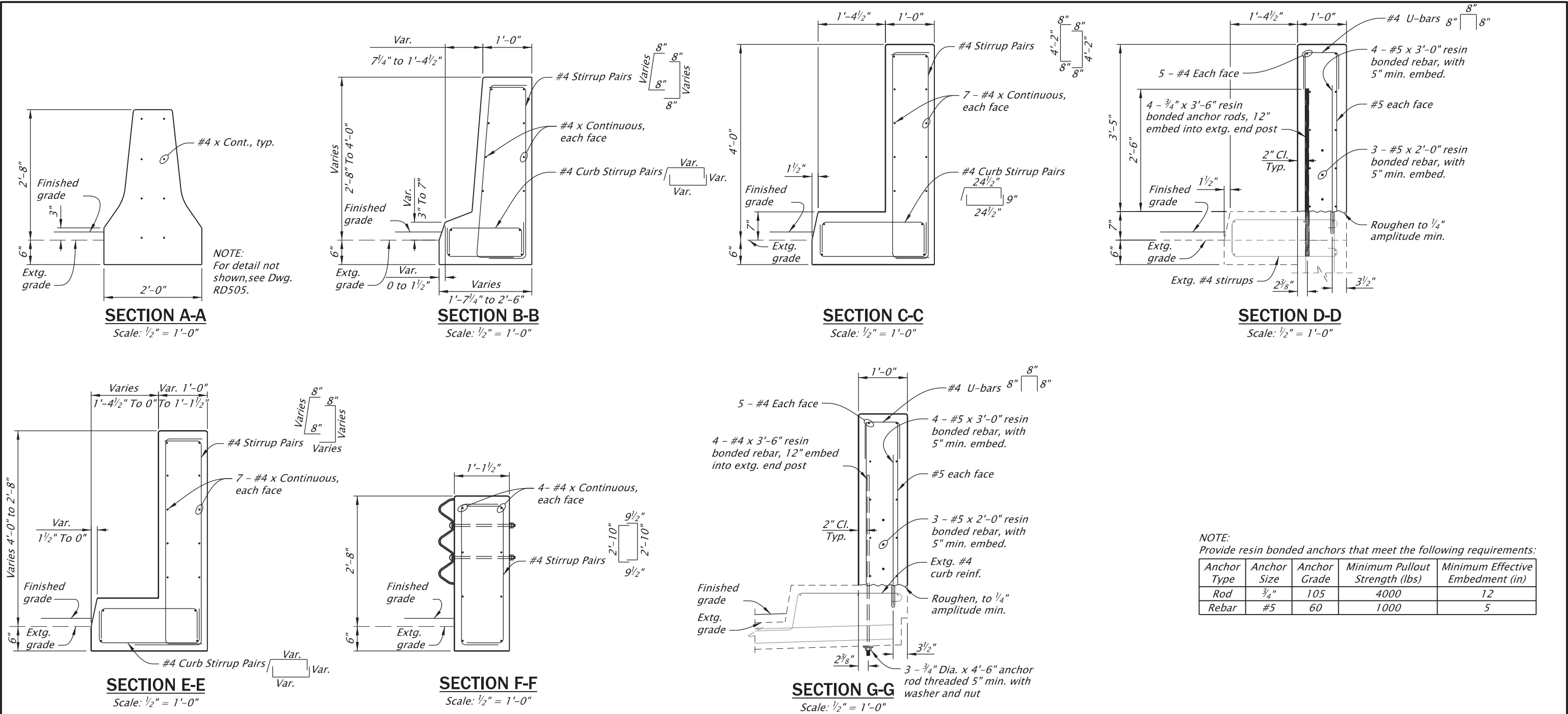
RAIL END TERMINAL DETAIL
Scale: 1 1/2" = 1'-0"

For accompanied by drawings, see sht. J01

STRUCTURE NO. 07949F			DAVID EVANS AND ASSOCIATES INC. 2100 S River Parkway, Suite 100 Portland Oregon 97201 Phone: 503.223.6663	
BDS DWG NO. 114623				
CALC. BOOK 8047				
HWY: 009 M.P.: 3.2				
COUNTY Clatsop				
DATE 08/2026	RENEWS: 06-30-2027	Columbia R_Hwy 009_MP3.20 US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CLATSOP COUNTY		
		Designer: Carly Diehl	Reviewer: Josh Goodall	SHEET NO. J12
		CADD Tech: Dustin Altenburg	Checker: Travis Kinney	
		RAIL RETROFIT DETAILS (2 OF 6)		





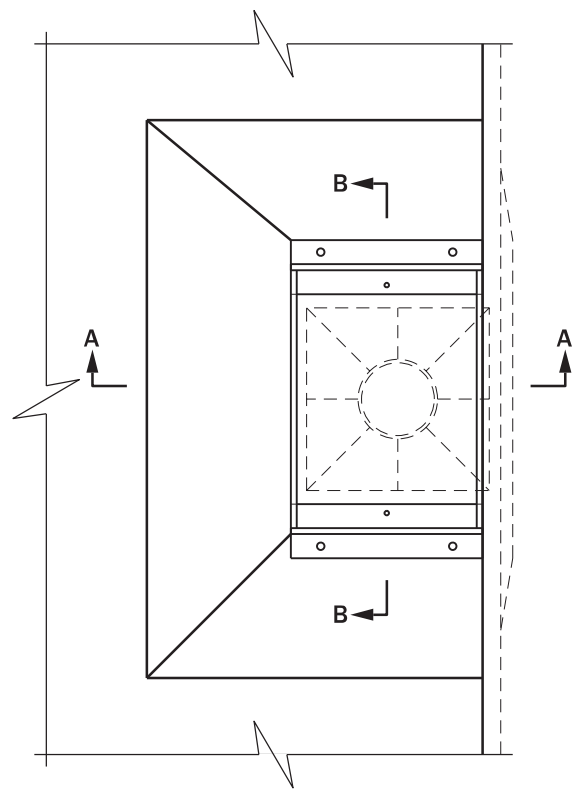


NOTE:
For Sections A-A, B-B, C-C, D-D and G-G locations see sheet J14.
For Sections C-C, D-D, E-E, F-F and G-G locations see sheet J15.

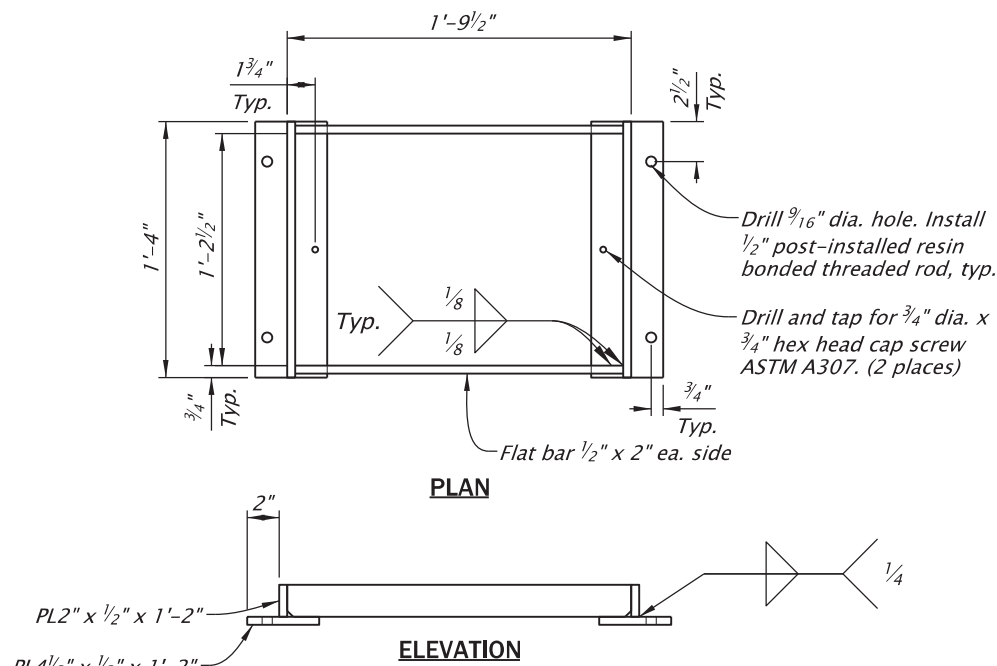
For accompanied by drawings, see sht. J01

STRUCTURE NO. 07949F	 RENEW: 06-30-2027	 DAVID EVANS AND ASSOCIATES INC. 2100 S River Parkway, Suite 100 Portland Oregon 97201 Phone: 503.223.6663	 US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CLATSOP COUNTY
BDS DWG NO. 114627			
CALC. BOOK 8047			
HWY: 009 M.P.: 3.2			
COUNTY Clatsop			
DATE 08/2026			

Designer: Carly Diehl	Reviewer: Josh Goodall
CADD Tech: Dustin Altenburg	Checker: Travis Kinney
RAIL RETROFIT DETAILS (6 OF 6)	
SHEET NO. J16	



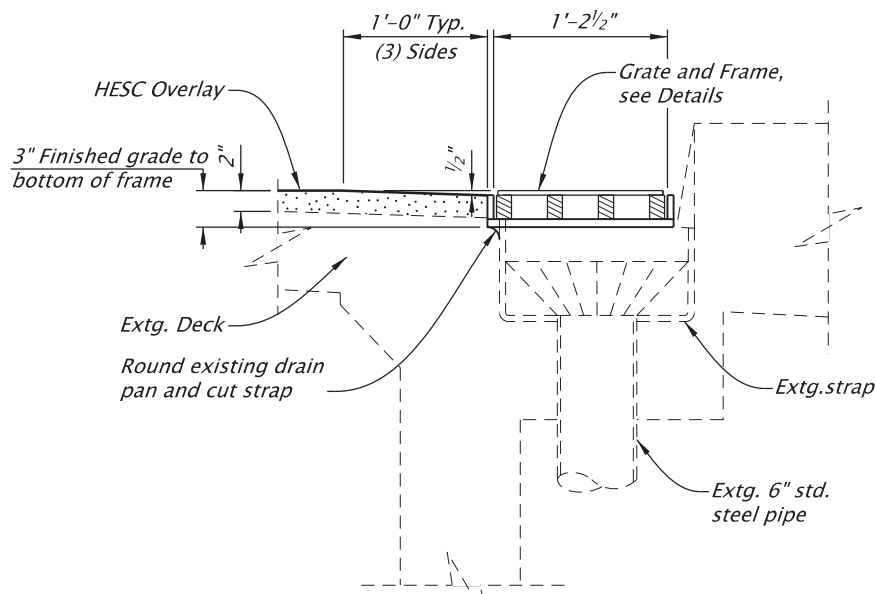
DECK INLET MODIFICATION
Scale: 3/4" = 1'-0"



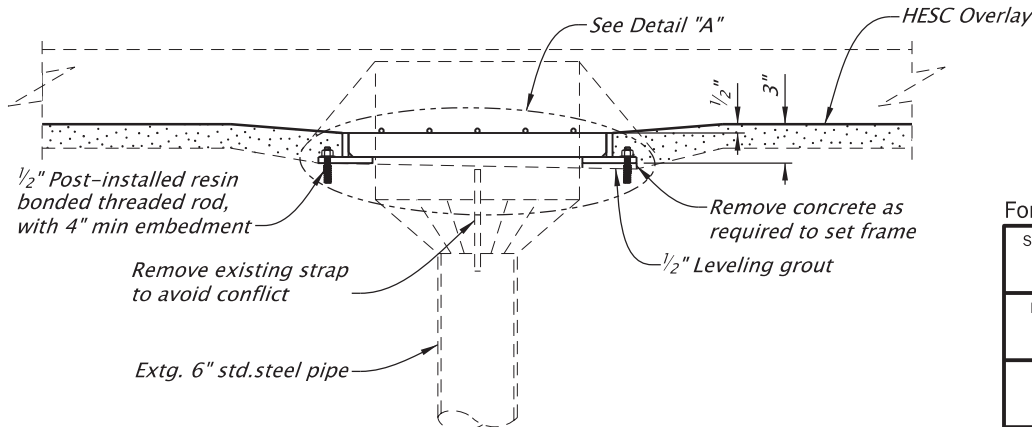
DETAIL "A" GRATE FRAME
Scale: 1" = 1'-0"

NOTE:
Provide resin bonded anchors that meet the following requirements:

Anchor Type	Anchor Size	Anchor Grade	Minimum Pullout Strength (lbs)	Minimum Effective Embedment (in)
Rod	1/2"	105	1000	4

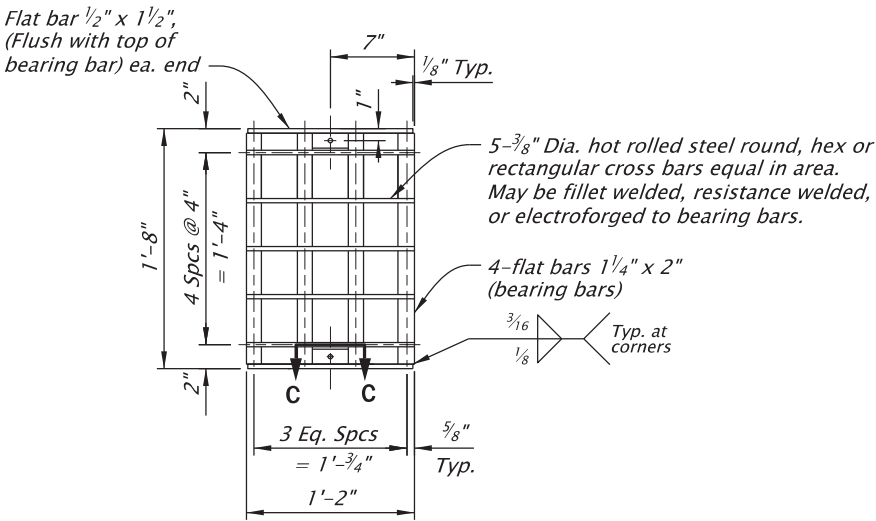


SECTION A-A
Scale: 3/4" = 1'-0"

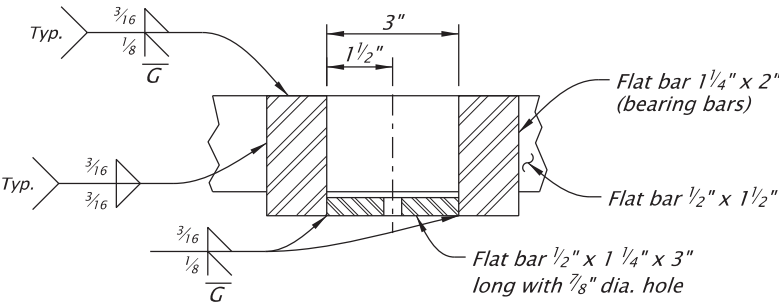


SECTION B-B
Scale: 3/4" = 1'-0"

IF THIS MEASURES
1 INCH
THEN DRAWING IS TO SCALE



GRATE DETAIL
Scale: 3/4" = 1'-0"



SECTION C-C
Scale: 3/4" = 1'-0"

- NOTES:
1. Provide structural steel conforming to ASTM A572 Grade 50.
 2. Galvanize steel grate after fabrication per AASHTO M111 (ASTM A123).
 3. Field verify existing grate dimensions.

For accompanied by drawings, see sht. J01

STRUCTURE NO.	07949F
BDS DWG NO.	114628
CALC. BOOK	8047
HWY: 009	
M.P.: 3.2	
COUNTY	Clatsop
DATE	08/2026



DAVID EVANS
AND ASSOCIATES INC.
2100 S River Parkway, Suite 100
Portland Oregon 97201
Phone: 503.223.6663



Columbia R_Hwy 009_MP3.20
US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY
CLATSOP COUNTY

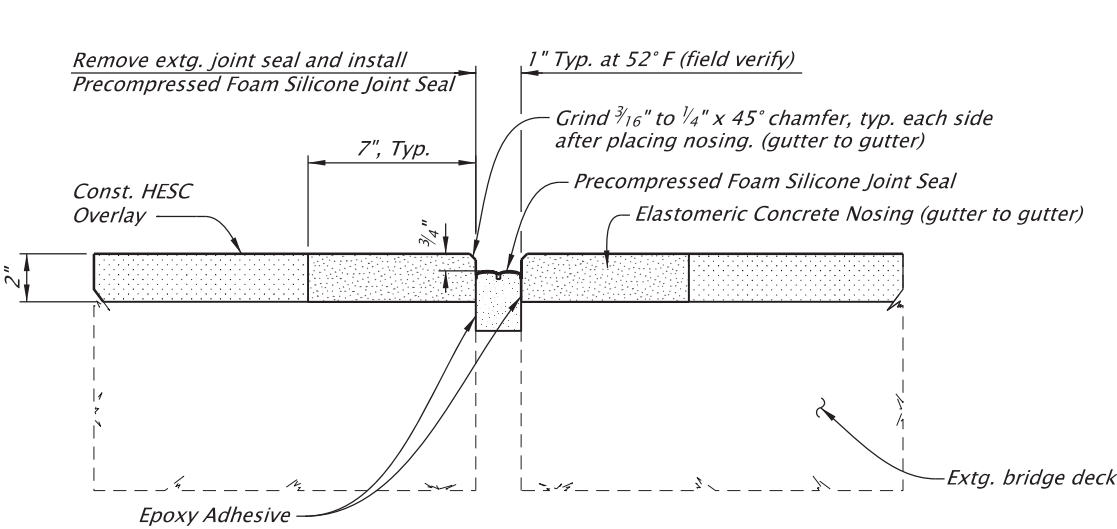
Designer: Jeremy Dziewit
CADD Tech: Dustin Altenburg

Reviewer: Josh Goodall
Checker: Travis Kinney

DRAINAGE DETAILS

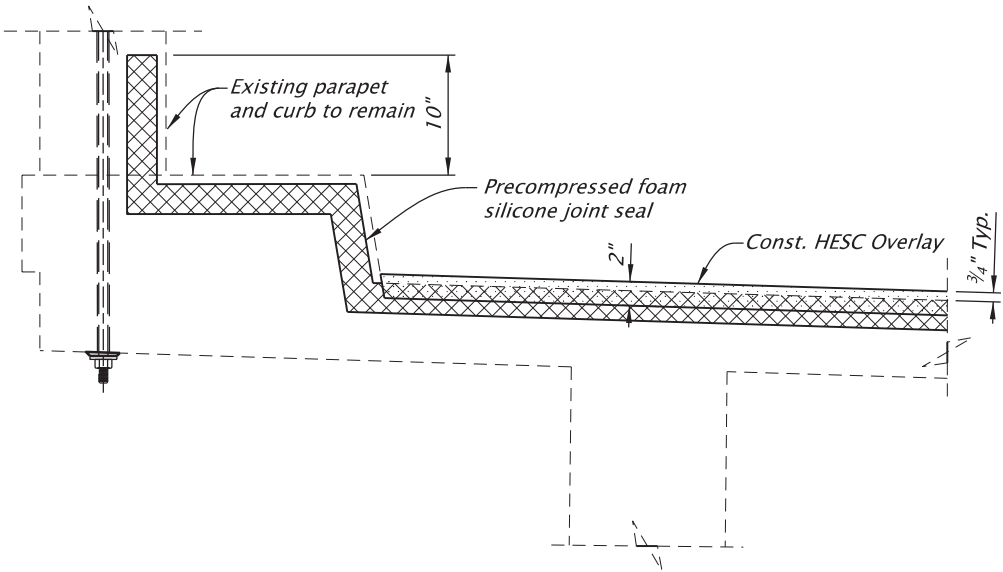
SHEET NO.
J17

- NOTES:**
- 1. Blockout joint with temporary blockout prior to placing Elastomeric Concrete Nosing. See detail this sheet.
 - 2. Prepare joint surfaces and install Precompressed Foam Silicone Joint Seal including bend joint according to the manufacturer's recommendations.
 - 3. Use factory-fabricated bend for inside corner at gutter line.
 - 4. Field-cut bend for outside corner is acceptable.



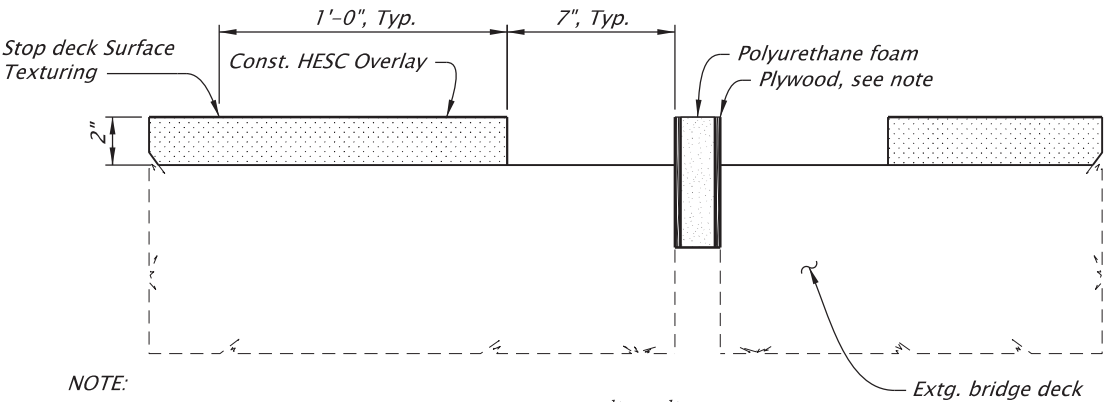
TYPICAL PRECOMPRESSED FOAM SILICONE JOINT SEAL

Scale: 1 1/2" = 1'-0"
(At Bents 177, 179, 184, 189, 193, 198, 199)



TYPICAL SAFETY CURB PRECOMPRESSED FOAM SILICONE JOINT SEAL

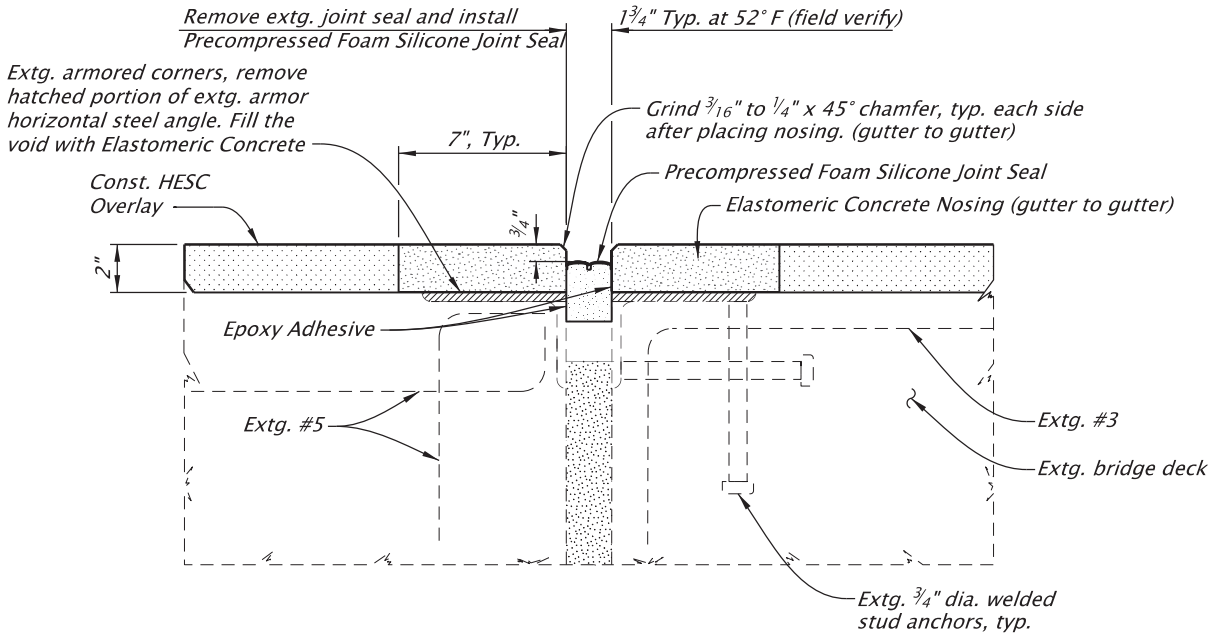
Scale: 3/4" = 1'-0"



NOTE:
Blockout joint with sandwich of polyurethane foam and 1/4" to 1/2" plywood as shown prior to placing Elastomeric Concrete Nosing.

PROPOSED TEMPORARY BLOCKOUT

Scale: 1 1/2" = 1'-0"



**PRECOMPRESSED FOAM SILICONE JOINT SEAL
AT BENT 175 (EXISTING ARMORED JOINT)**

Scale: 1 1/2" = 1'-0"

Precompressed Foam Silicone Joint Seal					
Total Movement Range	Joint Installation Width @ Mean Temperature	Joint Seal Size		Min. Joint Closure	Max. Joint Opening
		Nominal Width	Min. Depth		
1/2"	1/2"	3/4"	1 1/2"	5/16"	1 3/16"
1"	3/4"	1"	1 3/4"	7/16"	1 7/16"
1 1/4"	1"	1 1/4"	1 3/4"	1/2"	1 3/4"
1 1/2"	1 1/4"	1 1/2"	2"	5/8"	2 1/8"
1 3/4"	1 1/2"	1 3/4"	2 1/2"	3/4"	2 1/2"
2"	1 3/4"	2"	2 1/2"	1 3/16"	2 1 3/16"
2 1/2"	2"	2 1/4"	2 1/2"	1 5/16"	3 7/16"

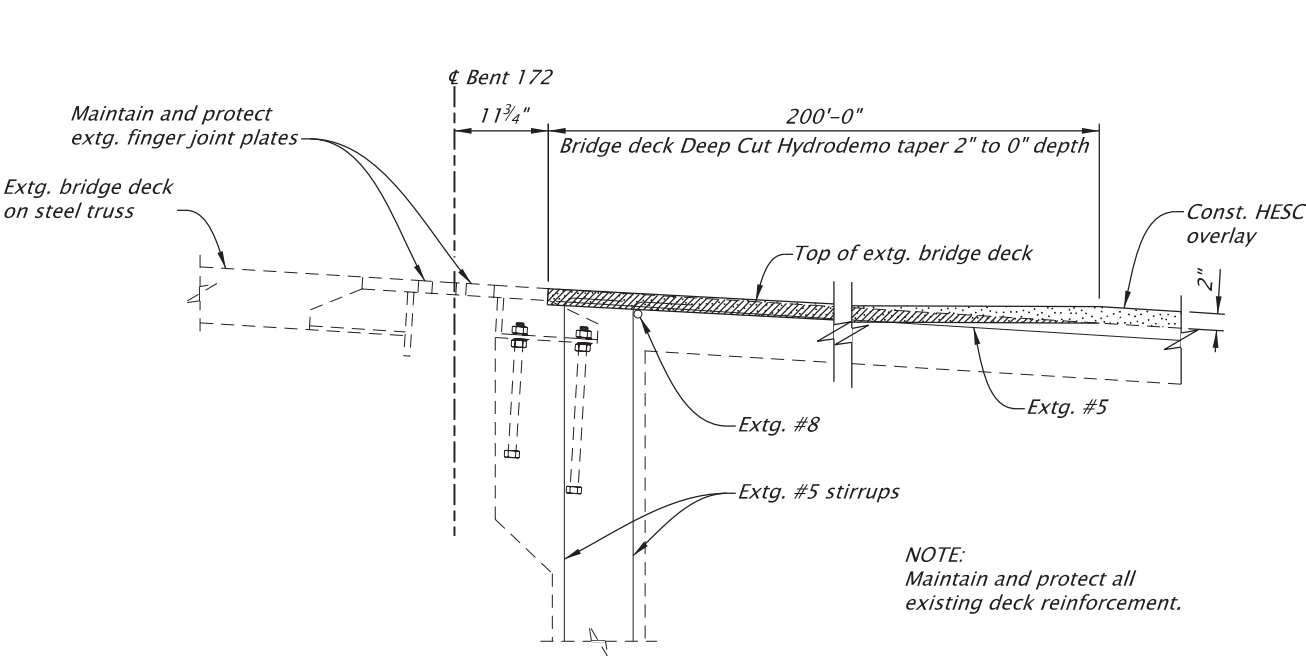
Precompressed Foam Silicone Joint Seal Location	Design Total Joint Movement Range
Bent 175	1 1/2"
Bent 177	3/4"
Bent 179	1"
Bent 184	1"
Bent 189	1"
Bent 193	1"
Bent 198	3/4"
Bent 199	3/4"

LEGEND

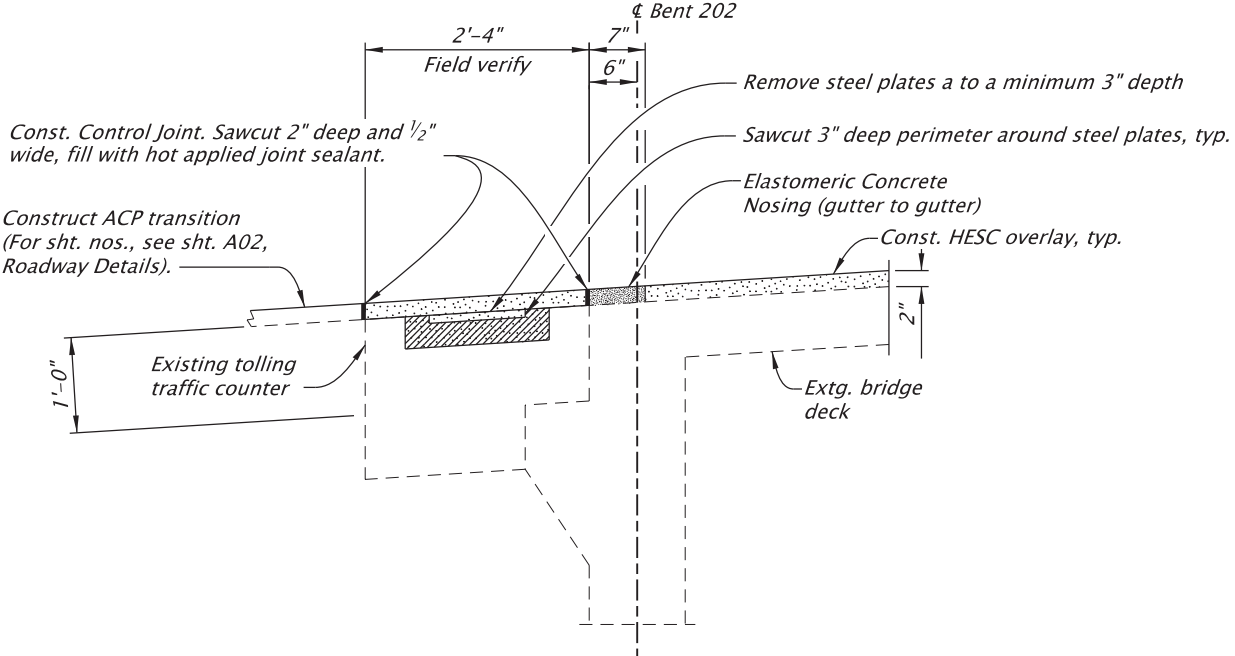
- Elastomeric Concrete Nosing
- 2" HESC Overlay
- Removal Limits
- Precompressed Foam Silicone Joint Seal

For accompanied by drawings, see sht. J01

STRUCTURE NO. 07949F			DAVID EVANS AND ASSOCIATES INC. 2100 S River Parkway, Suite 100 Portland Oregon 97201 Phone: 503.223.6663	
BDS DWG NO. 114629				
CALC. BOOK 8047				
HWY: 009 M.P.: 3.2				
COUNTY Clatsop				
DATE 08/2026	RENEW: 06-30-2027	Columbia R_Hwy 009_MP3.20 US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CLATSOP COUNTY		
Designer: Jillian Robinson CADD Tech: Dustin Altenburg		Reviewer: Josh Goodall Checker: Travis Kinney		SHEET NO. J18



**BRIDGE DECK TAPER AT
BENT 172 FINGER JOINT**
No Scale



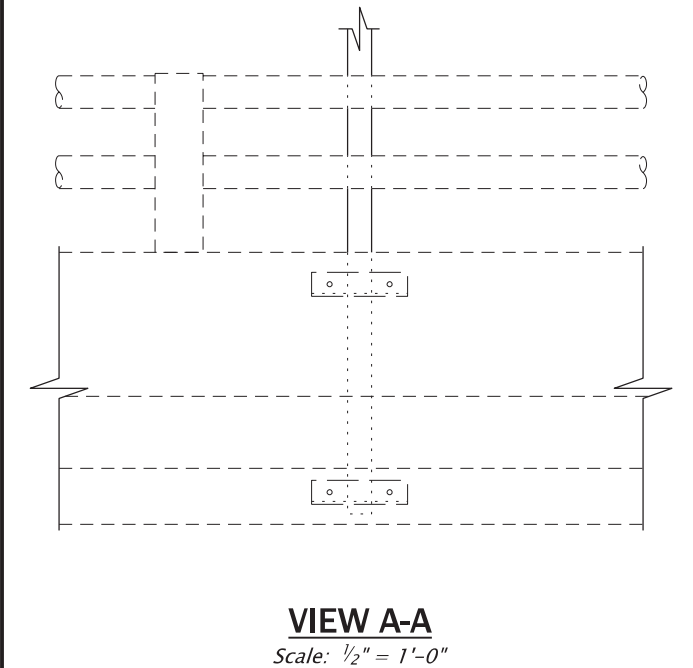
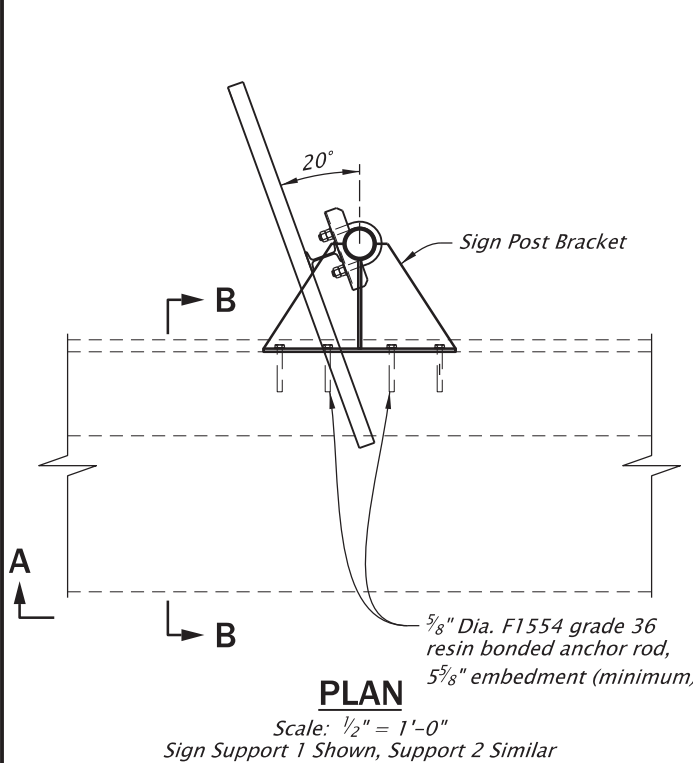
**TOLLING TRAFFIC COUNTER REMOVAL
AND CONTROL JOINT AT BENT 202**
No Scale

LEGEND

- Elastomeric Concrete Nosing
- 2" HESC Overlay
- Removal Limits

For accompanied by drawings, see sht. J01

STRUCTURE NO. 07949F			DAVID EVANS AND ASSOCIATES INC. 2100 S River Parkway, Suite 100 Portland Oregon 97201 Phone: 503.223.6663	
BDS DWG NO. 114630				
CALC. BOOK 8047				
HWY: 009 M.P.: 3.2				
COUNTY Clatsop				
DATE 08/2026	RENEW: 06-30-2027	Columbia R_Hwy 009_MP3.20 US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CLATSOP COUNTY		
		Designer: Jillian Robinson CADD Tech: Dustin Altenburg	Reviewer: Josh Goodall Checker: Travis Kinney	
JOINT DETAILS (2 OF 2)				SHEET NO. J19



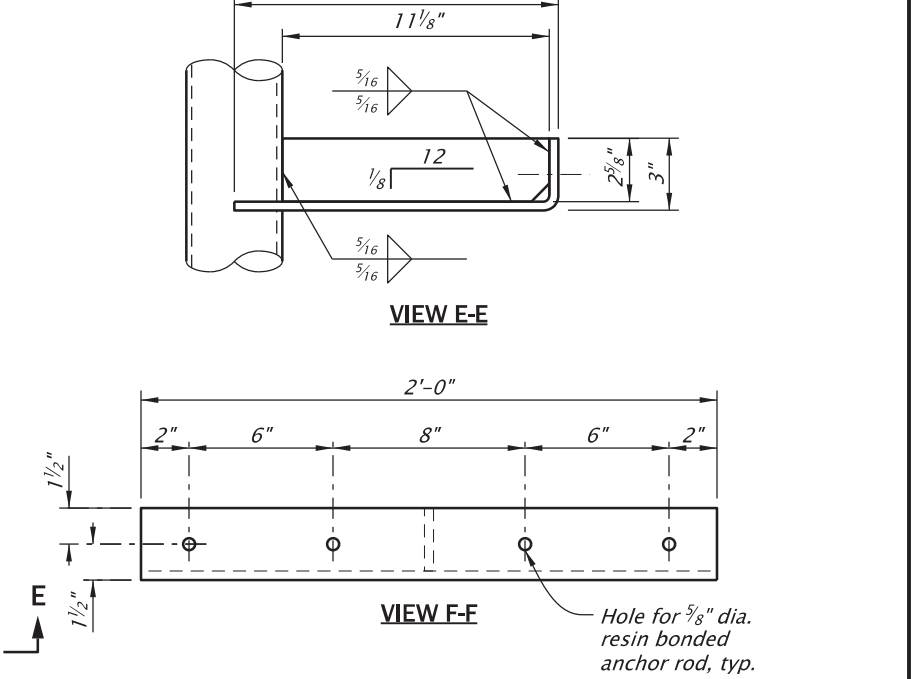
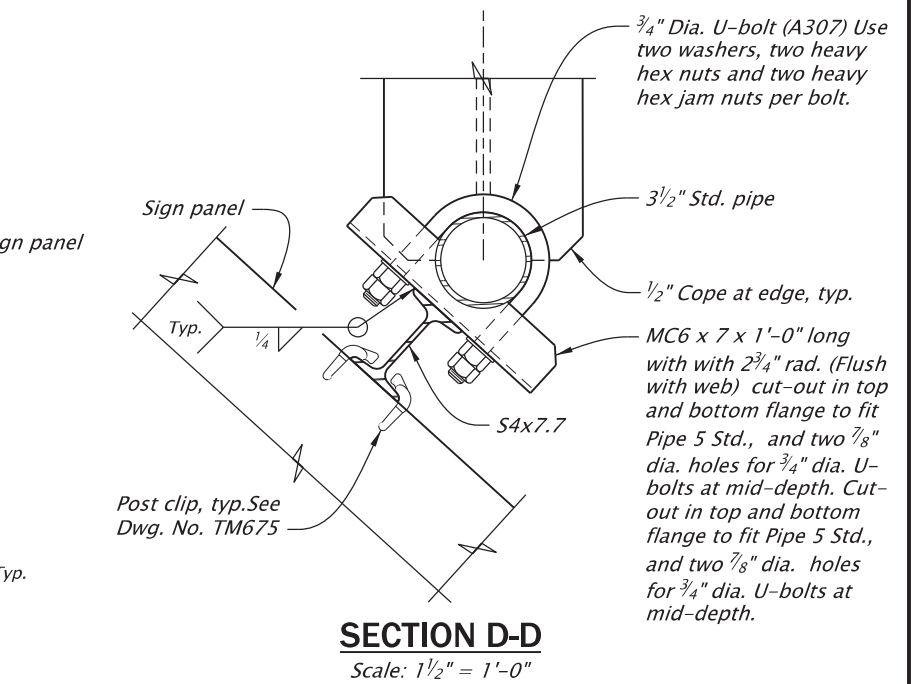
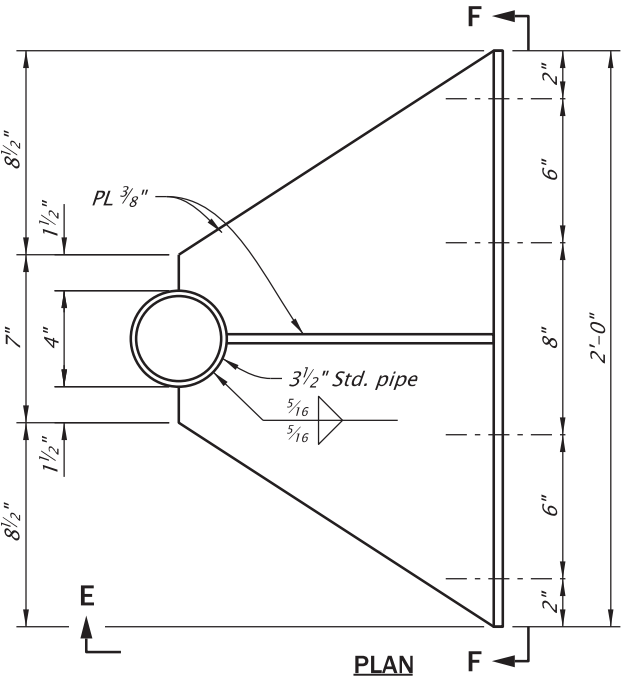
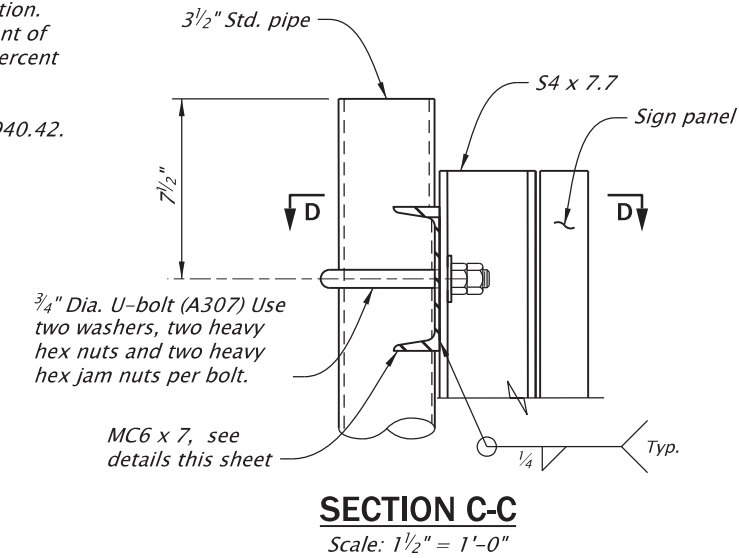
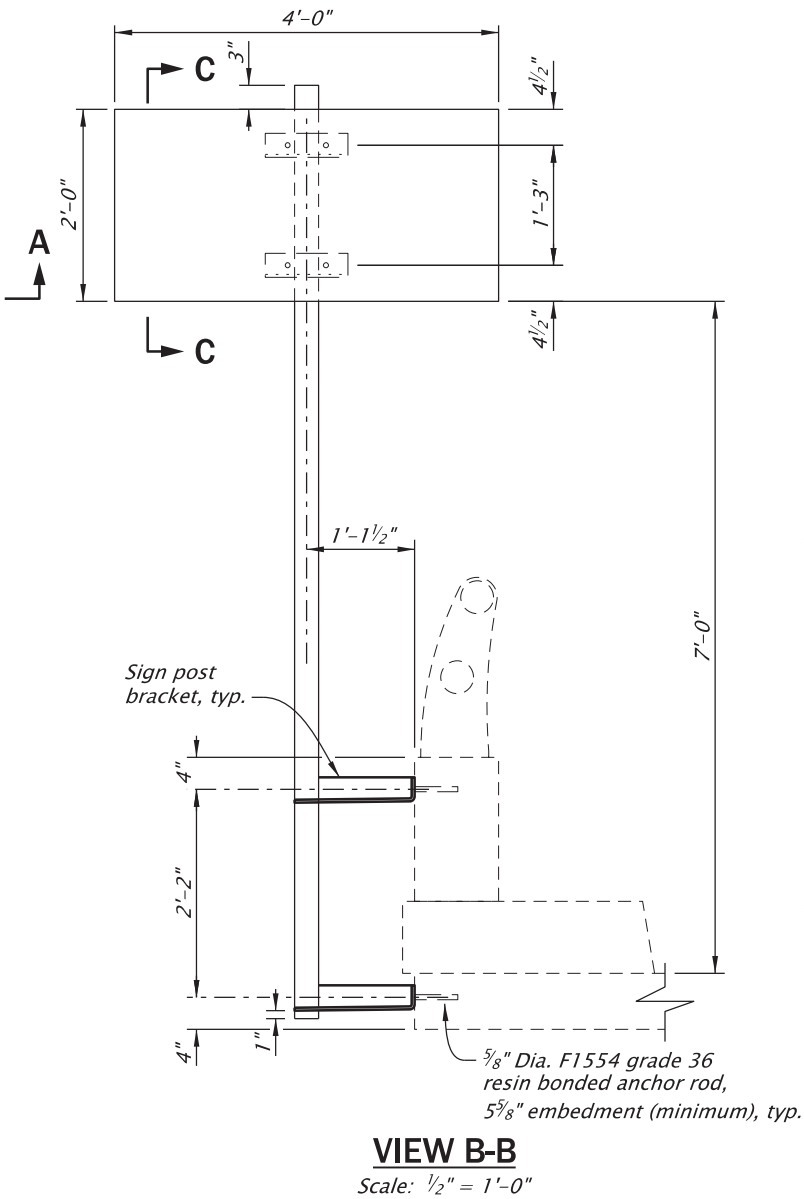
NOTE:
Provide resin bonded anchors that meet the following requirements:

Anchor Type	Anchor Size	Anchor Grade	Minimum Pullout Strength (lbs)	Minimum Effective Embedment (in)
Rod	1/2"	105	1000	4

NOTES:
All structural plates and shapes shall conform to ASTM A36 or ASTM A572, Gr. 50. All structural steel pipe shall conform to ASTM A53, Grade B.

Hot-dip galvanize all structural steel after fabrication. "Galvanize Control Silicon" - provide silicon content of the base metal in either of the ranges 0 to 0.06 percent or 0.153 to 0.25 percent.

Mount signs according to TM676 and Section 00940.42. Drill all sign mounting holes prior to galvanizing.



SIGN POST BRACKET
Scale: 1 1/2" = 1'-0"

For accompanied by drawings, see sht. J01

STRUCTURE NO. 07949F	 RENEW: 06-30-2027	 DAVID EVANS AND ASSOCIATES INC. 2100 S River Parkway, Suite 100 Portland Oregon 97201 Phone: 503.223.6663 Columbia R_Hwy 009_MP3.20 US101: ASTORIA-MEGLER (COLUMBIA RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CLATSOP COUNTY Designer: Jillian Robinson CADD Tech: Dustin Altenburg Reviewer: Josh Goodall Checker: Travis Kinney	
BDS DWG NO. 114631			
CALC. BOOK 8047			
HWY: 009 M.P.: 3.2			
COUNTY Clatsop			
DATE 08/2026		SIGN SUPPORT DETAILS	SHEET NO. J20

SIGN & POST DATA TABLE

SIGN NO.	SIGN LOCATION 4/ (TM200-TM201, TM635)	SIGN DIMENSIONS		SUB-STRATE			COLOR 1/		LEGEND	LEGEND	SIGN NO.	TYPE OF SUPPORT																				POST		FOOTING		REMARKS
							BACKGROUND	LEGEND				WOOD POST (TM670-TM671,TM676) SQ. TUBE SIGN SUPPORT (TM671, TM676, TM681, TM687-TM689) TRIANGULAR BASE BREAKAWAY (TM602) MULTI-POST BREAKAWAY (TM220, TM600-TM601) STAINLESS STEEL CLAMP (SSC) (TM677) SIGNAL POLE MOUNT (TM680) MAST ARM SIGN MOUNT (TM679) BRIDGE STRUCTURE MOUNT (See Bridge Plans) CANTILEVER / BUTTERFLY (TM622-TM627) SIGN BRIDGE (TM606-TM612, TM614-TM620) EXIT NUMBER SIGN SUPPORT (TM220, TM225) ROUTE MARKER FRAME (TM678) MILE POST MARKER POST (TM221-TM222) CROSSWALK CLOSURE SUPPORT (TM240) VERTICAL SIGN MOUNTS ON EXISTING STRUCTURES CUSTOM VARIABLE SUPPORT C 4X5.4 C 4X7.25 LENGT H	SIZE (BASED ON ESTIMATED LENGTH)	LENGTH (MUST BE FIELD VERIFIED)	LOCATION 3/	MIN. DEPTH 5/																				
		WIDTH	HEIGHT	PLYWOOD	SHEET ALUMINUM	EXTRUDED ALUM. (TM675)		ASTM TYPE III or TYPE IV			ASTM TYPE IX						ASTM TYPE III or TYPE IV	ASTM TYPE IX	NON-REFLECTIVE	PERMANENT	DEMOUNTABLE (TM230-TM233)	2/														
1	"L" 316+15.0 L	48"	24"			✓		FY		BK	✓																								Install sign on bridge rail mount facing southbound traffic.	
2	"L" 319+41.4 L	48"	24"			✓		FY		BK	✓									✓															Install sign on bridge rail mount facing eastbound traffic.	
3	"L" 333+54.5 L	(12")	(30")										✓																2.5" x 2.5" 12 GA	13'	~15'-6"	3'-0"	Reinstall existing sign on new anchor-base PSST post.			
4	"L" 333+54.5 L	(42")	(18")																																Reinstall existing sign above Sign #3.	
5	"L" 333+65.0 L	(36")	(48")										✓																2.5" x 2.5" 10 GA	11'	~19'-0"	3'-0"	Reinstall existing sign on new slip-base PSST post.			
6	"L" 328+94.0 R	36"	36"		✓			FY		BK	✓																								Install sign on existing bridge rail mount.	
7	"L" 328+94.0 R	24"	24"		✓			FY		BK	✓																								Install sign on existing bridge rail mount, below Sign #6.	
	"L" 337+47.7 L	24"	24"		✓			FY		BK	✓																								Install sign below Sign #8.	
8	"L" 337+47.7 L	36"	36"		✓			FY		BK	✓		✓																2.5" & 2.25" 12 GA	14'	~24'-0"	3'-0"	Install sign on new slip-base PSST post.			
9	"L" 322+95.9 L	48"	48"		✓			FY		BK	✓																								Install sign on existing bridge rail mount.	
10	"L" 322+95.9 L	24"	24"		✓			FY		BK	✓																								Install sign on existing bridge rail mount, below Sign #9.	
	"L" 312+48.9 R	24"	24"		✓			FY		BK	✓																								Install sign on existing bridge rail mount, below Sign #11.	
11	"L" 312+48.9 R	48"	48"		✓			FY		BK	✓																								Install sign on existing bridge rail mount.	

1/
BK=BLACK
BL=BLUE
BR=BROWN
FY=FLUORESCENT YELLOW
G=GREEN
O=ORANGE
P=PURPLE
R=RED
RB=RED-BLUE
SW=SILVER-WHITE
W=WHITE
Y=YELLOW
YG=FLUORESCENT YELLOW-GREEN

2/
L, C, R ARE LOCATIONS OF POSTS
L= LEFT POST
C=CENTER POST
R=RIGHT POST

3/
DISTANCE FROM CENTERLINE ALIGNMENT TO THE CENTERLINE OF FOOTING
FOR ADDITIONAL INFORMATION SEE STANDARD DRAWINGS TM601, TM602, AND TM635

4/
NOTE: THE LOCATIONS SHOWN ARE APPROXIMATE EXCEPT FOR SPEED ZONES, SCHOOL ZONES, OBJECT MARKERS AND MILEPOST MARKERS. EXACT LOCATIONS ARE TO BE DETERMINED BY THE ENGINEER

5/
MINIMUM DEPTH OF FOOTING FOR TRIANGULAR BASE BREAKAWAY AND MULTI-POST BREAKAWAY INSTALLATIONS IS FOR A 2' DIAMETER FOOTING. FOR ADDITIONAL INFORMATION SEE STANDARD DRAWINGS TM601 AND TM602.



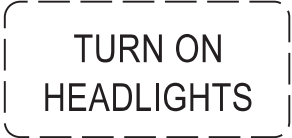
(W1-6R)
Sign No. 1



(W1-6L)
Sign No. 2



Sign No. 3



(R16-8)
Sign No. 4



(R2-1)
Sign No. 5



(W1-11R)
Sign No. 6



(W13-1P-25)
Sign No. 7



(W1-11L)
Sign No. 8



(W1-2L)
Sign No. 9



(W13-1P-35)
Sign No. 10



(W1-2R)
Sign No. 11

NOTE:
Signs shown with broken borders are existing signs.



HWY: 009 M.P.: 3.32-3.79
UNIT FILE CODE N/A
DFI/TSSU NO. TBD

RENEWS: 12-31-2026



DAVID EVANS
AND ASSOCIATES INC.
2100 S River Parkway, Suite 100
Portland Oregon 97201
Phone: 503.223.6663



US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT

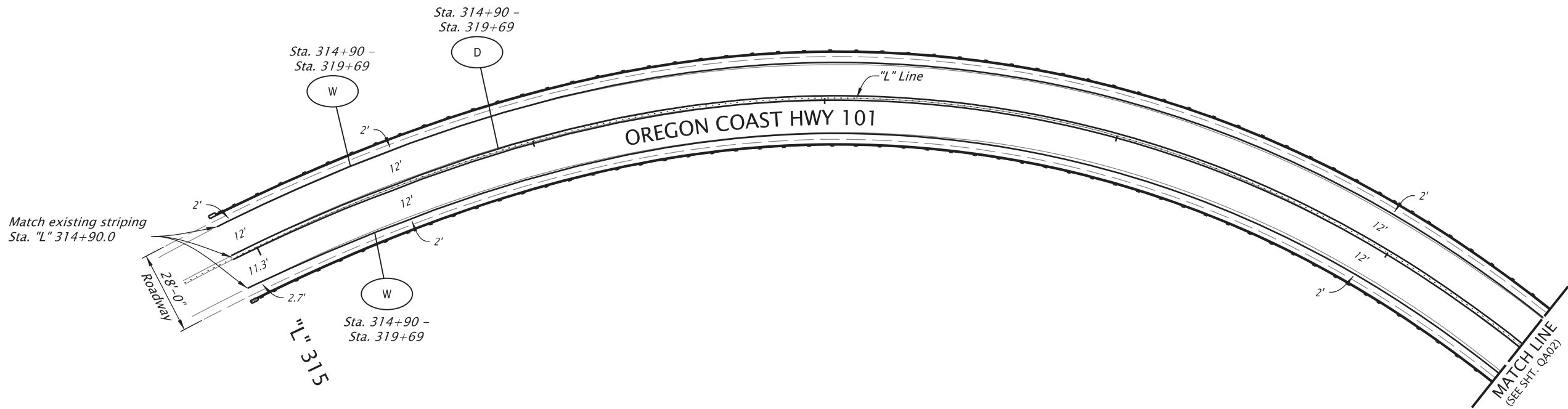
OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Dana Shuff
CADD Tech: Tammy Taggart

Reviewer: Scott McCanna
Checker: Doug Johnson

SIGN DETAILS &
SIGN AND POST DATA TABLE

SHEET NO.
LB01

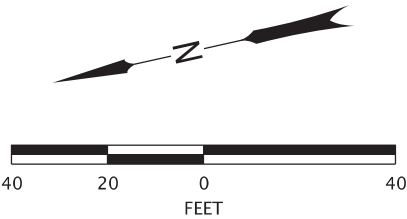


GENERAL NOTES

- 1. All permanent pavement markings shall be Method "D" (wet weather), non-profiled Methyl Methacrylate (MMA). See Section 00865 Longitudinal Pavement Markings - Durable in Special Provisions.
- 2. Match points to existing striping and station call-outs are approximate and shall be field verified.
- 3. Contact Engineer of Record for in-depth layout details.

LEGEND

-  Inst. 4" white line
-  Inst. double no-pass two 4" yellow lines



ACCOMPANIED BY DWGS:
TM500, TM521, TM560, TM570,
and TM571



RENEWS: 12-31-2026



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US101: ASTORIA-MEGLER
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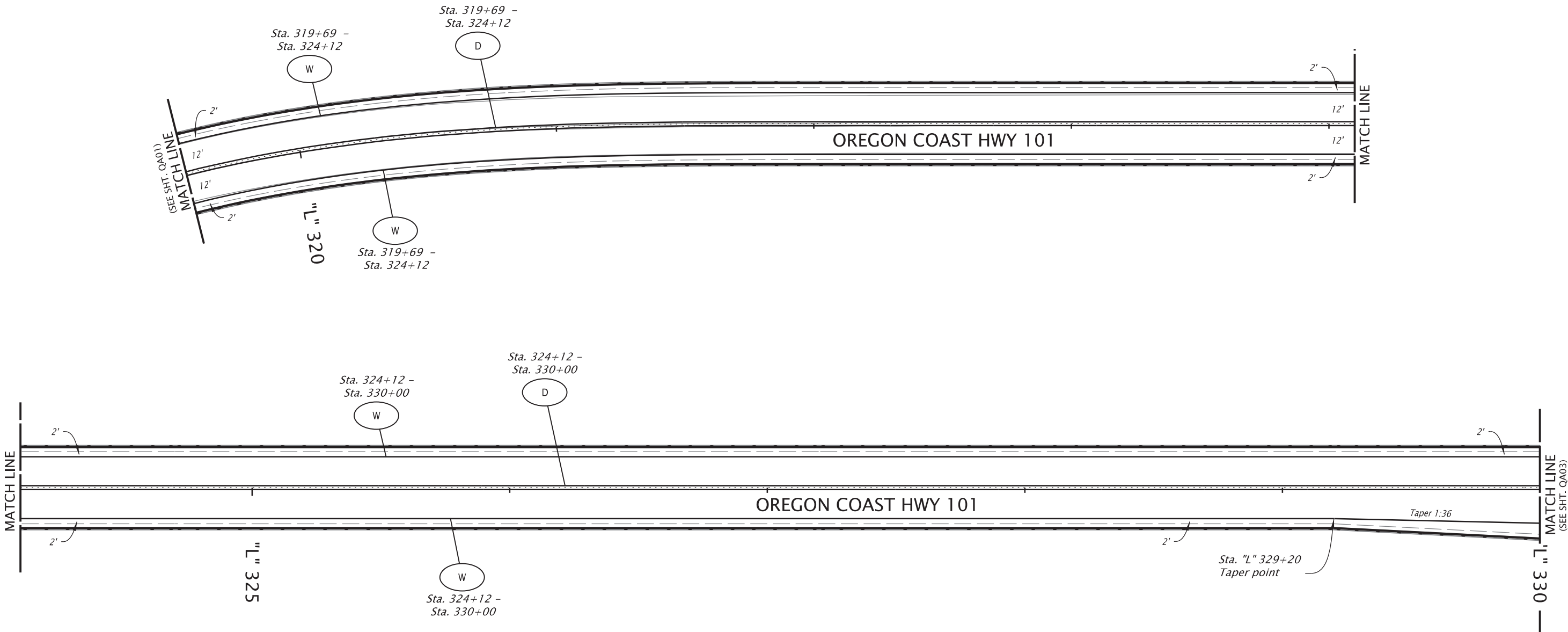
OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Dana Shuff
CADD Tech: Tammy Taggart

Reviewer: Scott McCanna
Checker: Doug Johnson

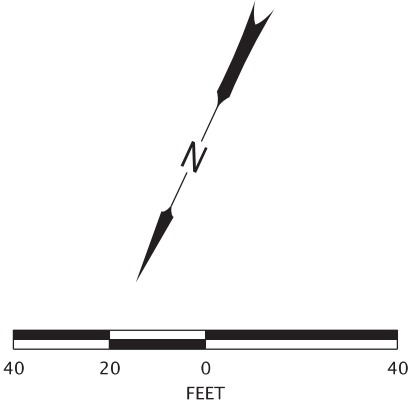
PAVEMENT MARKING PLAN

SHEET NO.
QA01



GENERAL NOTES
1. See sheet QA01 for general notes.

- LEGEND**
- Inst. 4" white line
 - Inst. double no-pass two 4" yellow lines



REGISTERED PROFESSIONAL
ENGINEER
17878PE
DIGITALLY SIGNED 2026.08.17
11:32:09-07'00'
OREGON
JULY 25, 1995
SCOTT M. MCCANNA

RENEWES: 12-31-2026

DAVID EVANS
AND ASSOCIATES INC.
2100 S River Parkway, Suite 100
Portland Oregon 97201
Phone: 503.223.6663

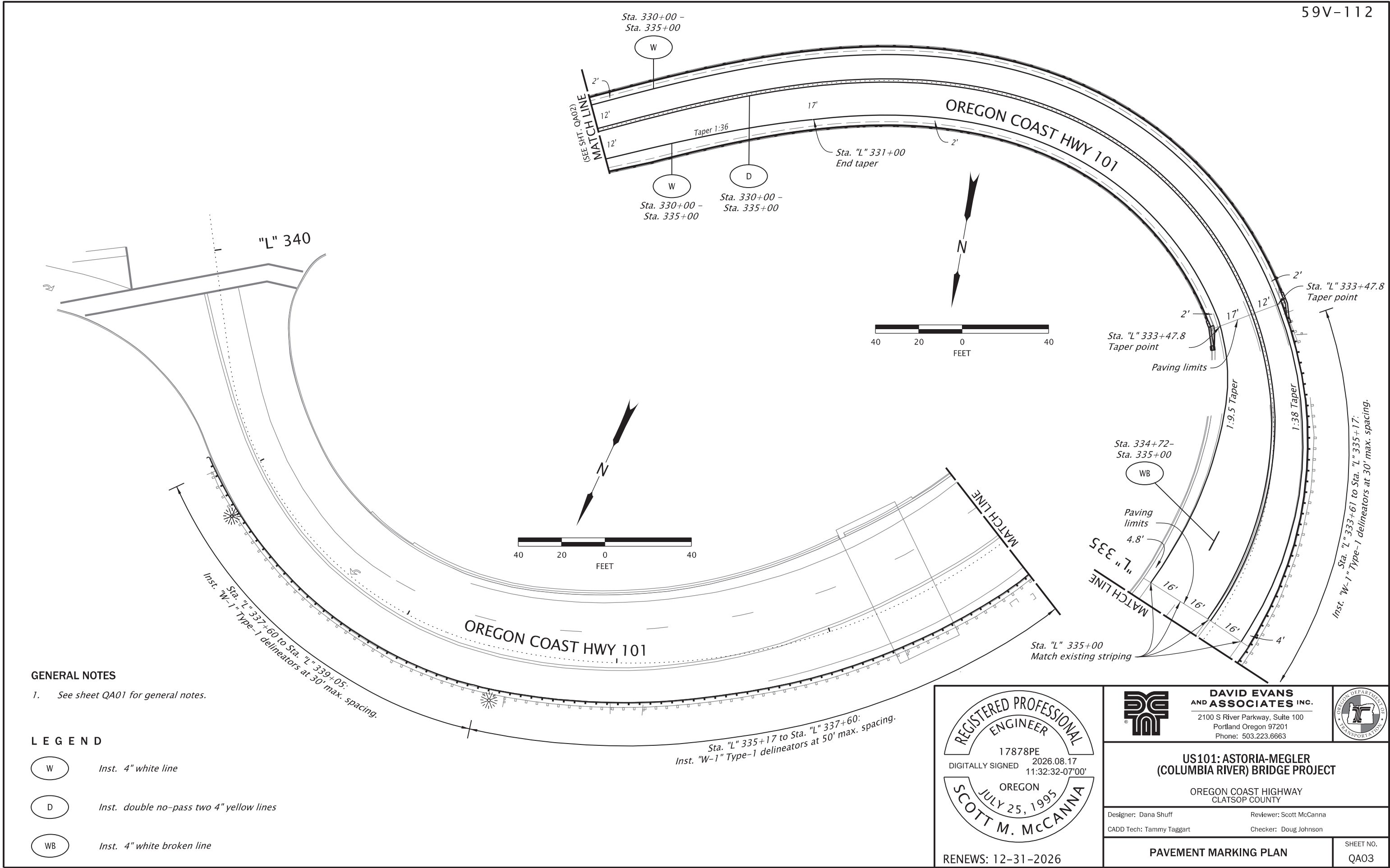
US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT
OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Dana Shuff
CADD Tech: Tammy Taggart

Reviewer: Scott McCanna
Checker: Doug Johnson

PAVEMENT MARKING PLAN

SHEET NO.
QA02



GENERAL NOTES

1. See sheet QA01 for general notes.

LEGEND

- W** Inst. 4" white line
- D** Inst. double no-pass two 4" yellow lines
- WB** Inst. 4" white broken line

REGISTERED PROFESSIONAL
ENGINEER
17878PE
DIGITALLY SIGNED 2026.08.17
11:32:32-07'00'
OREGON
JULY 25, 1995
SCOTT M. MCCANNA

RENEWES: 12-31-2026

**DAVID EVANS
AND ASSOCIATES INC.**
2100 S River Parkway, Suite 100
Portland Oregon 97201
Phone: 503.223.6663

**US101: ASTORIA-MEGLER
(COLUMBIA RIVER) BRIDGE PROJECT**

OREGON COAST HIGHWAY
CLATSOP COUNTY

Designer: Dana Shuff
CADD Tech: Tammy Taggart

Reviewer: Scott McCanna
Checker: Doug Johnson

PAVEMENT MARKING PLAN

SHEET NO.
QA03