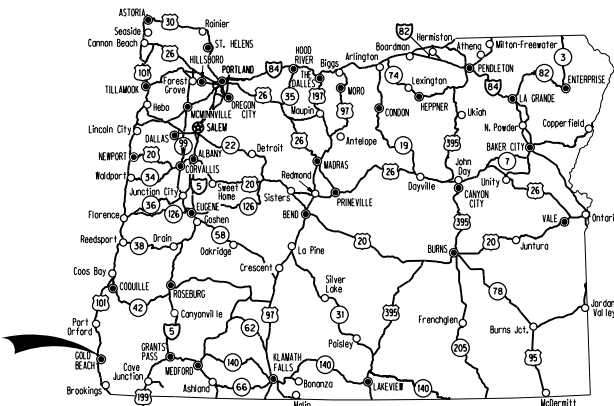


INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
A01	Title Sheet
A02	Index Of Sheets Cont. & Std. Dwg. Nos.

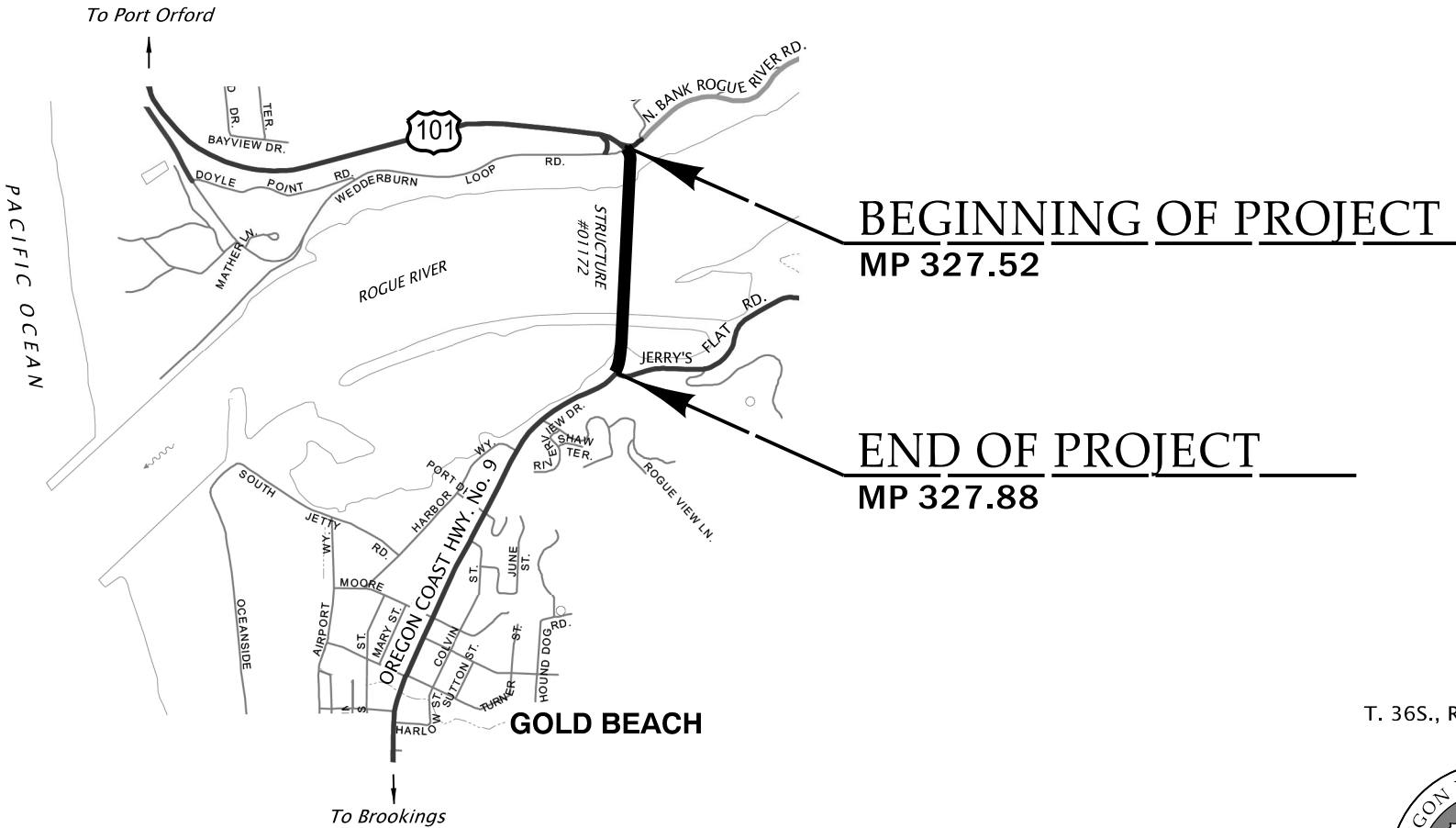
STATE OF OREGON
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED PROJECT
STRUCTURE
US101: GOLD BEACH (ROGUE RIVER)
BRIDGE PROJECT
OREGON COAST HIGHWAY
CURRY COUNTY
SEPTEMBER 2026



Overall Length Of Project - 0.36 Miles

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).

LET'S ALL
WORK TOGETHER
TO MAKE THIS
JOB SAFE



T. 36S., R. 14W., W.M.



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.

THOMPSON
Mark

Digitally signed by THOMPSON Mark
Date: 2026.06.26
10:59:27 -07'00'

Approving Authority:

Signature & date

Mark Thompson, Reg. 3 Tech. Ctr. Manager

PILTZ
Tova R

Digitally signed by PILTZ Tova R
Date: 2026.07.02
18:27:37 -07'00'

Concurrence by ODOT Chief Engineer

US101: GOLD BEACH (ROGUE RIVER)
BRIDGE PROJECT
OREGON COAST HIGHWAY
CURRY COUNTY

FEDERAL HIGHWAY ADMINISTRATION	PROJECT NUMBER	SHEET NO.
OREGON DIVISION	S009(516)	A01

R_K21769_ts_01.dgn :: A01 6/17/2026 3:41:17 PM hwyr31j

FINAL ELECTRONIC DOCUMENT
AVAILABLE UPON REQUEST

INDEX OF SHEETS, CONT.	
SURVEY CONTROL DATA	
SHEET NO.	DESCRIPTION
AD01 & AD02	Survey Control Data

TRAFFIC CONTROL	
SHEET NO.	DESCRIPTION
EA01	Traffic Control Plan
EB01 – EB03	Traffic Control Plan

EROSION & SEDIMENT CONTROL	
SHEET NO.	DESCRIPTION
FB01	Erosion & Sediment Control Plan

BRIDGE		
SHEET NO.	DRAWING NO.	DESCRIPTION
STRUCTURE NUMBER 01172		
J01	111671	Plan and Elevation
J02	111672	General Notes
J03	111673	Conceptual Temporary Work Bridge – North End
J04	111674	Conceptual Temporary Work Bridge – Mid Spans
J05	111675	Conceptual Temporary Work Bridge – South End
J06	111676	Conceptual Temporary Feature Details
J07	111679	Temporary Access and Containment Loading
J08	111680	Strengthening – Pier 1 and Pier 8
J09	111681	Security Fence – North Approach
J10	111682	Security Fence – South Approach
J11	111683	Security Fence Connection Bracket Details
J12	111684	Pier 8 Cathodic Protection and Power Cabinet Concrete Pad
J13	111685	Miscellaneous Details
JA01	111686	Cathodic Protection Plan and Elevation
JA02	111687	Cathodic Protection Area Definitions
JA03	111688	Cathodic Protection Zone Definitions – North Approach
JA04	111689	Cathodic Protection Zone Definitions – Typical Arch Span
JA05	111690	Cathodic Protection Zone Definitions – South Approach
JA06	111691	Cathodic Protection DC Power Distribution – North Approach
JA07	111692	Cathodic Protection DC Power Distribution – Span 1
JA08	111693	Cathodic Protection DC Power Distribution – Span 2
JA09	111694	Cathodic Protection DC Power Distribution – Span 3
JA10	111695	Cathodic Protection DC Power Distribution – Span 4
JA11	111696	Cathodic Protection DC Power Distribution – Span 5
JA12	111697	Cathodic Protection DC Power Distribution – Span 6
JA13	111698	Cathodic Protection DC Power Distribution – Span 7
JA14	111699	Cathodic Protection DC Power Distribution – South Approach
JA15	111700	Pier 8 Cathodic Protection and Power Cabinet Concrete Pad
JA16	111701	Pier 8 Cathodic Protection and Power Cabinet Conduit Layout
JA17	111702	Cathodic Protection Cabinet and Riser Installation Details
JA18	111703	Cathodic Protection Typical Cabinet and Riser Details
JA19	111704	Cathodic Protection Typical Equipment Rack Details
JA20	111705	Cathodic Protection Cabinet Equipment Schedule
JA21	111706	Electronic Equipment Layout and Mounting Details
JA22	111707	AC Power Distribution Wiring Diagram
JA23	111708	DC Power Distribution Wiring Diagram

INDEX OF SHEETS, CONT.		
BRIDGE		
SHEET NO.	DRAWING NO.	DESCRIPTION
STRUCTURE NUMBER 01172		
JA24	111709	Data Acquisition Channel Schedule (1 of 5)
JA25	111710	Data Acquisition Channel Schedule (2 of 5)
JA26	111711	Data Acquisition Channel Schedule (3 of 5)
JA27	111712	Data Acquisition Channel Schedule (4 of 5)
JA28	111713	Data Acquisition Channel Schedule (5 of 5)
JA29	111714	Cabinet Terminal Block Labels (1 of 2)
JA30	111715	Cabinet Terminal Block Labels (2 of 2)
JA31	111716	Manual Control Box Details
JA32	111717	Cathodic Protection Conduit Schedule – 1
JA33	111718	Cathodic Protection Conduit Schedule – 2
JA34	111719	Cathodic Protection Conduit Schedule – 3
JA35	111720	Cathodic Protection Conduit Schedule – 4
JA36	111721	Cathodic Protection Zone Definitions – Zones 1–24
JA37	111722	Cathodic Protection Zone Definitions – Zones 25–50

INTELLIGENT TRANSPORTATION SYSTEM	
SHEET NO.	DESCRIPTION
KA01– KA03	Intelligent Transportation Systems Site Plan
KB01– KB03	Intelligent Transportation Systems Equipment Details

Standard Dwg. Nos.

RD503 – Precast Concrete Barrier Pin
and Loop Assembly For Temporary Installation

RD1006 – Check Dams Type 2 and 6
RD1010 – Inlet Protection Type 2, 3, 6, 7, 10 and 11

BR140 – Poured Joint Seal
BR157 – Asphaltic Plug Joint Seal

BR500 – Concrete Repair
BR505 – Reinforcing Bar Repair
BR520 – General Cathodic Protection Details
BR525 – Reinforcement Continuity Detail

TM500 – Pavement Marking Standard Detail Blocks
TM515 – Pavement Markers

TM670 – Wood Post Sign Supports
TM671 – 3 Second Gust Wind Speed Map
TM681 – Perforated Steel Square Tube (PSST) Sign Support Installation

TM700 – General Conduit Trenching
TM701 – General Conduit and Wire/Cable Installation
TM702 – General Junction Box/Hand Hole Installation

TM800 – Tables, Abrupt Edge And PCMS Details
TM810 – Temporary Pavement Markings
TM820 – Temporary Barricades
TM821 – Temporary Sign Supports
TM822 – Temporary Sign Supports
TM841 – Intersection Work Zone Details
TM844 – Temporary Pedestrian Accessible Routes
TM850 – 2-Lane, 2-Way Roadways
TM855 – 2-Lane, 2-Way Roadways

R/W Map Nos.: 9B-34-4
RW9801M

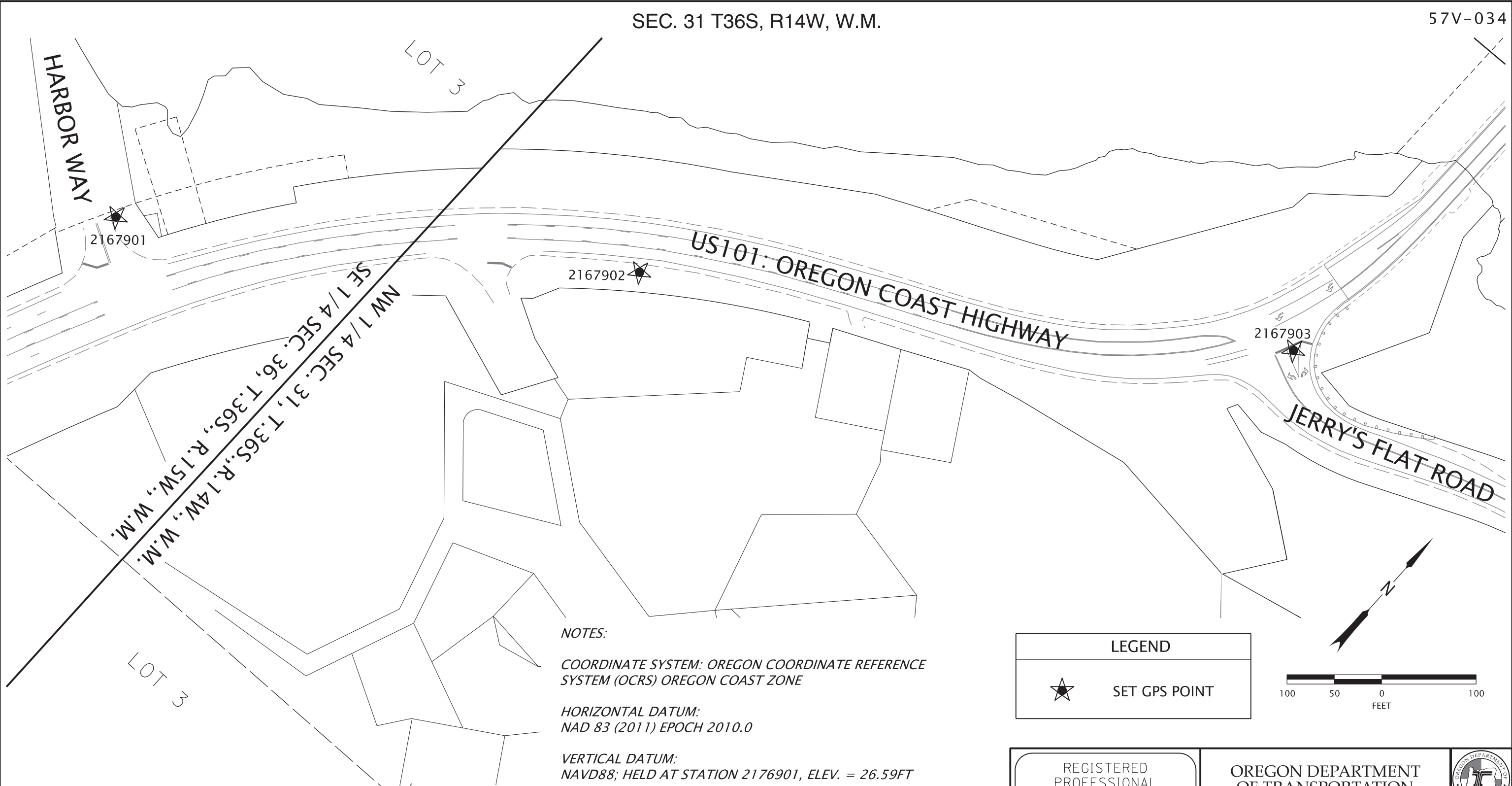


US101: GOLD BEACH (ROGUE RIVER)
BRIDGE PROJECT
OREGON COAST HIGHWAY
CURRY COUNTY

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>

SEC. 31 T36S, R14W, W.M.



NOTES:

COORDINATE SYSTEM: OREGON COORDINATE REFERENCE SYSTEM (OCRS) OREGON COAST ZONE

HORIZONTAL DATUM:
NAD 83 (2011) EPOCH 2010.0

VERTICAL DATUM:
NAVD88; HELD AT STATION 2176901, ELEV. = 26.59FT

FIELD VERIFY ALL CONTROL BEFORE USE!

LEGEND

 SET GPS POINT

NETWORK CONTROL TABLE

AC = ALUMINUM CAP

PT. NO.	OCRS NORTHING	OCRS EASTING	ELEV.	DATE	DESCRIPTION
2176901	362696.22	342938.31	26.59	11/4/2021	SET 1" COPPER PLUG "ODOT 2176901"
2176902	363022.67	343389.47	44.53	11/4/2021	SET 5/8" IRON ROD w/ 1-1/2" X 30" W /AC "ODOT CONTROL POINT 2176902"
2176903	363423.09	343959.58	64.92	11/4/2021	SET MAG NAIL AND WASHER "ODOT 2176903"

REGISTERED PROFESSIONAL LAND SURVEYOR

Digitally Signed: 2026.05.11 09:36:10 -07'00'

OREGON JULY 15, 2003 ANDREW DAVID AUSLAND 56136

EXPIRES: 12/31/2027

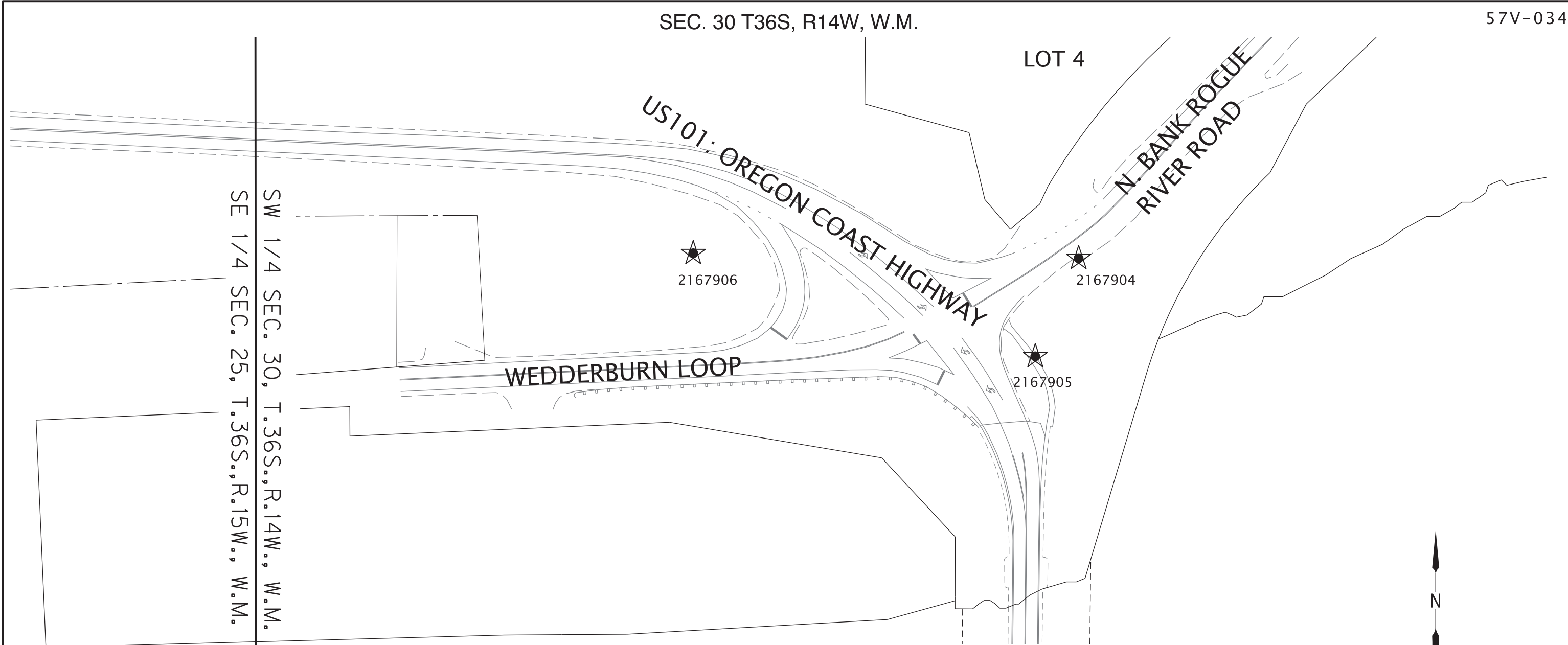
OREGON DEPARTMENT OF TRANSPORTATION

US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT
OREGON COAST HIGHWAY
CURRY COUNTY

Designer: LOGAN MILES Reviewer: JASON WEISZ
Drafter: LOGAN MILES Checker: N/A

SURVEY CONTROL DATA

SHEET NO. AD01



NOTES:

COORDINATE SYSTEM: OREGON COORDINATE REFERENCE SYSTEM (OCRS) OREGON COAST ZONE

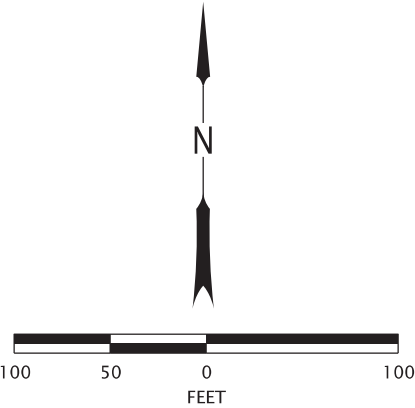
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NAD 83 (2011) EPOCH 2010.0

VERTICAL DATUM:
NAVD88; HELD AT STATION 2176904, ELEV. = 64.36FT

FIELD VERIFY ALL CONTROL BEFORE USE!

LEGEND

SET GPS POINT



NETWORK CONTROL TABLE

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2176905	365509.64	343995.25	65.34	11/4/2021	SET 1" COPPER PLUG "ODOT 2176905"
2176906	365614.67	343646.68	66.06	11/4/2021	SET 5/8" IRON ROD w/ 1-1/2" X 30" W /AC "ODOT CONTROL POINT 2176906"

AC = ALUMINUM CAP

REGISTERED
PROFESSIONAL
LAND SURVEYOR

Digitally Signed: 2026.05.11 09:37:27 -07'00'

OREGON
JULY 15, 2003
ANDREW DAVID AUSLAND
56136

EXPIRES: 12/31/2027

OREGON DEPARTMENT OF TRANSPORTATION

US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT

OREGON COAST HIGHWAY

CURRY COUNTY

Designer: LOGAN MILES

Reviewer: ANDY AUSLAND

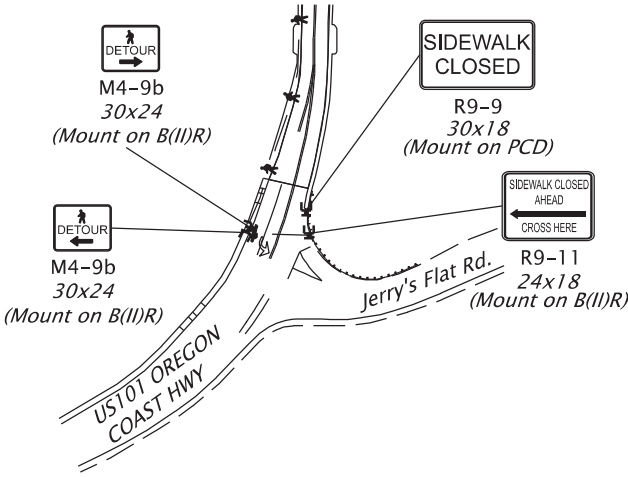
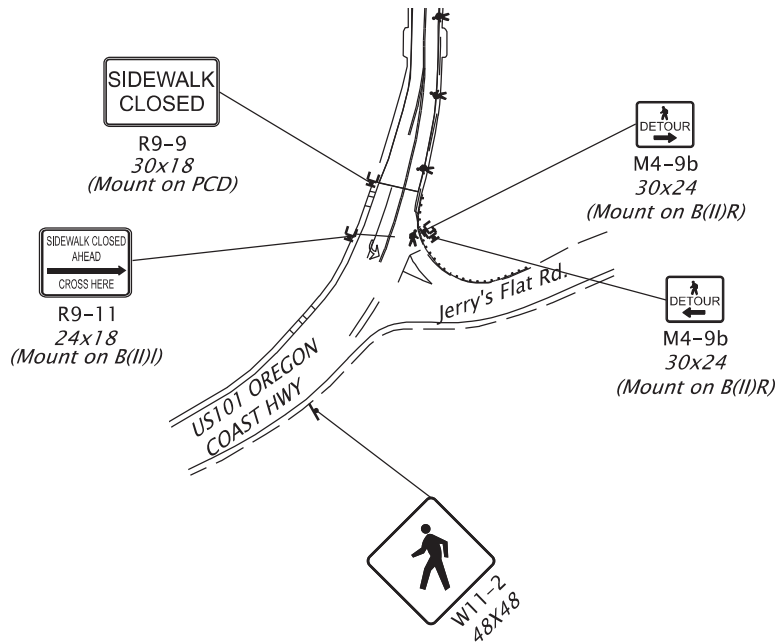
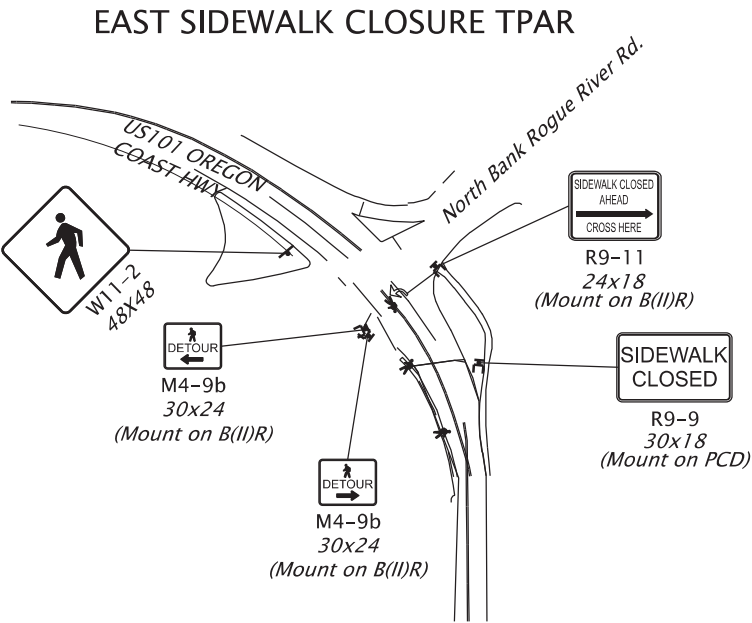
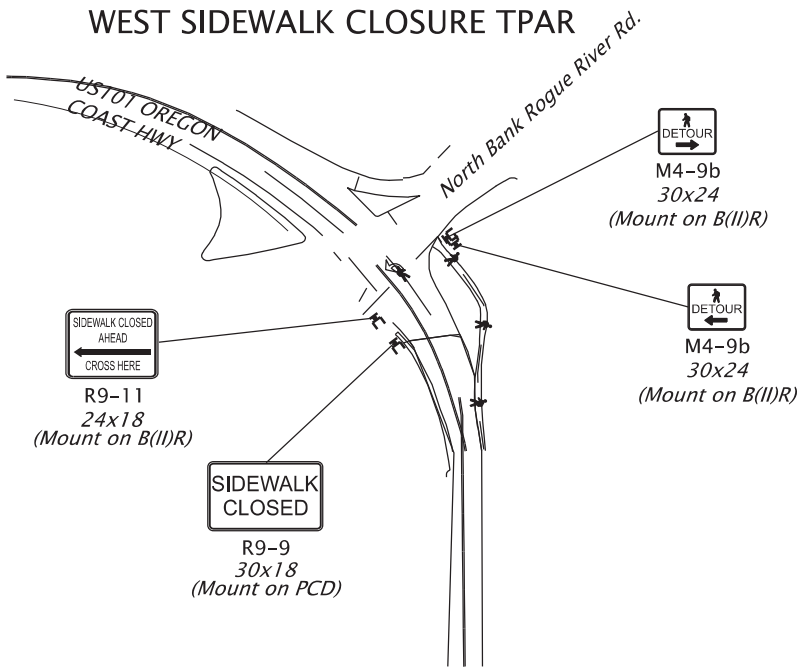
Drafter: LOGAN MILES

Checker: N/A

SURVEY CONTROL DATA

SHEET NO. AD02

PEDESTRIAN DETOUR PLAN



LEGEND

- Sign on barricade
- Sign on post
- Pedestrian detour

Notes:
1. Pedestrian access thru the project area must be maintained at all times. During lane closures, utilize flagging operations to temporarily stop vehicular traffic as needed to provide safe pedestrian passage thru the work zone.

To Be Accompanied by Standard Dwg. Nos. RD503, TM670, TM671, TM681, TM800, TM810, TM820, TM821, TM822, TM841, TM844, TM850 and TM855.

REGISTERED PROFESSIONAL
ENGINEER
91094PE
Digitally Signed 2026.05.12 15:36:45 -07'00'
OREGON
SEP. 10, 2019
JORGE GONZALEZ
RENEWES: 06-30-2027

OREGON DEPARTMENT OF TRANSPORTATION

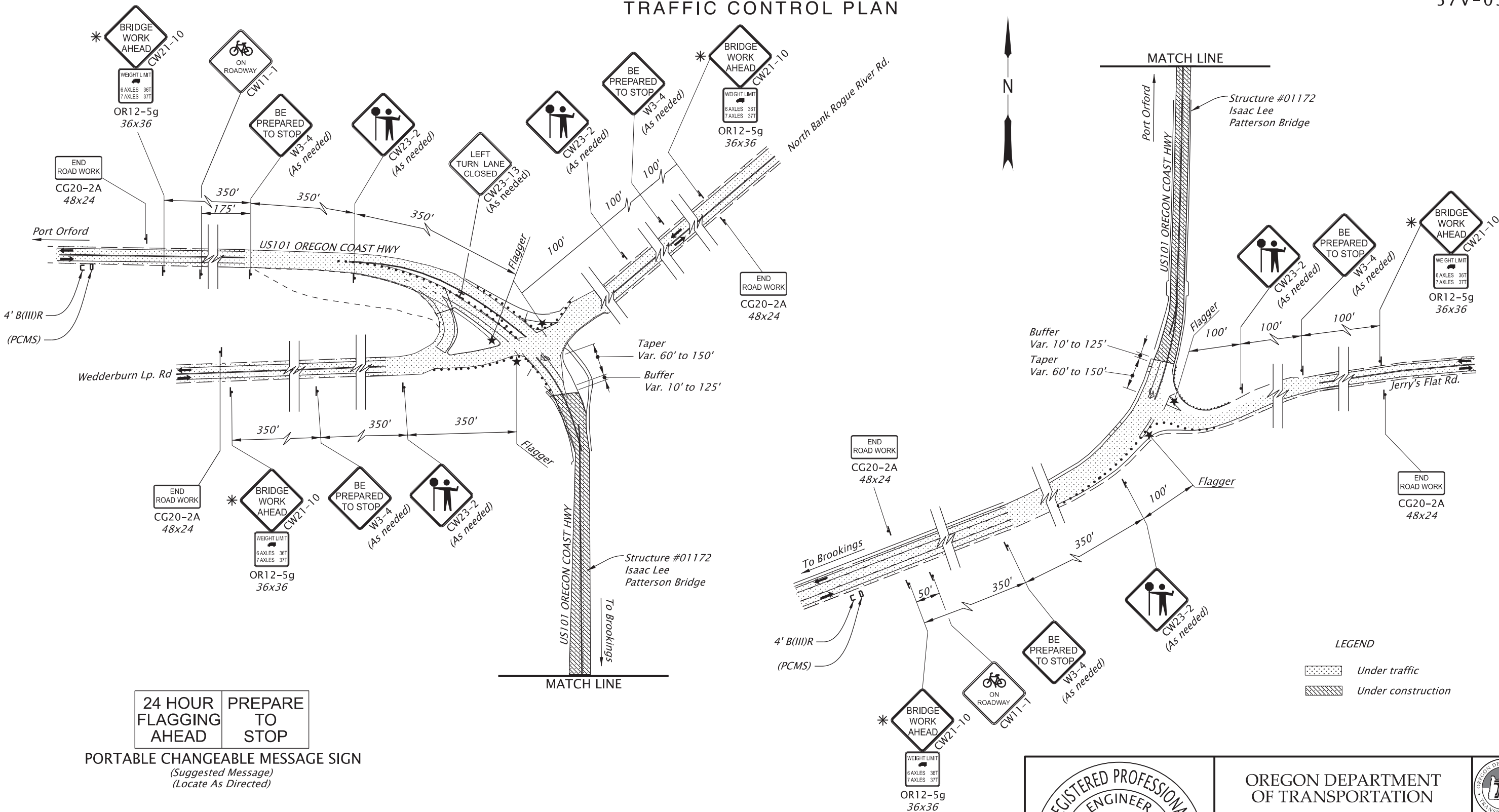
US101: GOLD BEACH (ROGUE RIVER)
BRIDGE PROJECT
OREGON COAST HIGHWAY
CURRY COUNTY

Designer: Jorge Gonzalez
Reviewer: Chris Zelmer
Drafter: Tracey Parker
Checker: Chad Gorsky

TRAFFIC CONTROL PLAN

SHEET NO.
EA01

TRAFFIC CONTROL PLAN



- Work to be done:
1. When bridge work requires lane closures on the bridge deck, setup traffic control in accordance with TM850. Maintain a minimum horizontal clearance width of 22' for traffic.
 2. Replace Cathodic Protection system, SPCO on sidewalk, and epoxy crack injection. For all bridge work items see sht. J01.

- Notes:
1. Pedestrian access thru the project area must be maintained at all times. During lane closures, utilize flagging operations to temporarily stop vehicular traffic as needed to provide safe pedestrian passage thru the work zone.
 - * 2. CW21-10 and OR12-5g signs must be in place during any bridge work activities requiring containment to be in place.



RENEWALS: 06-30-2027

OREGON DEPARTMENT OF TRANSPORTATION

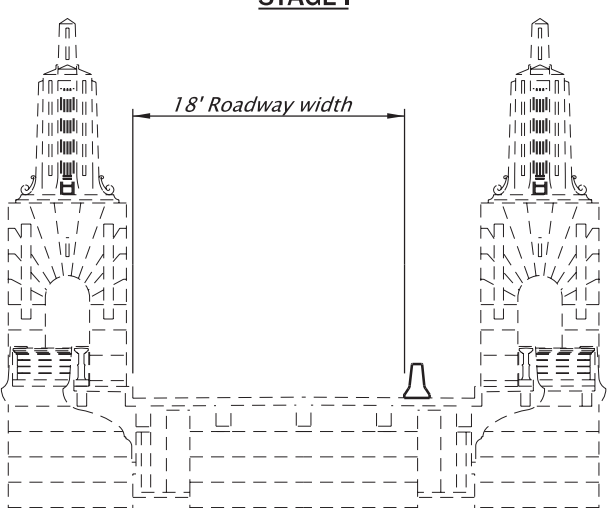
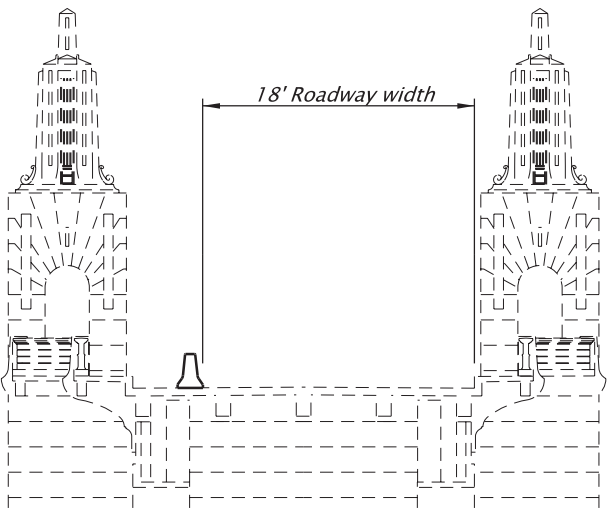
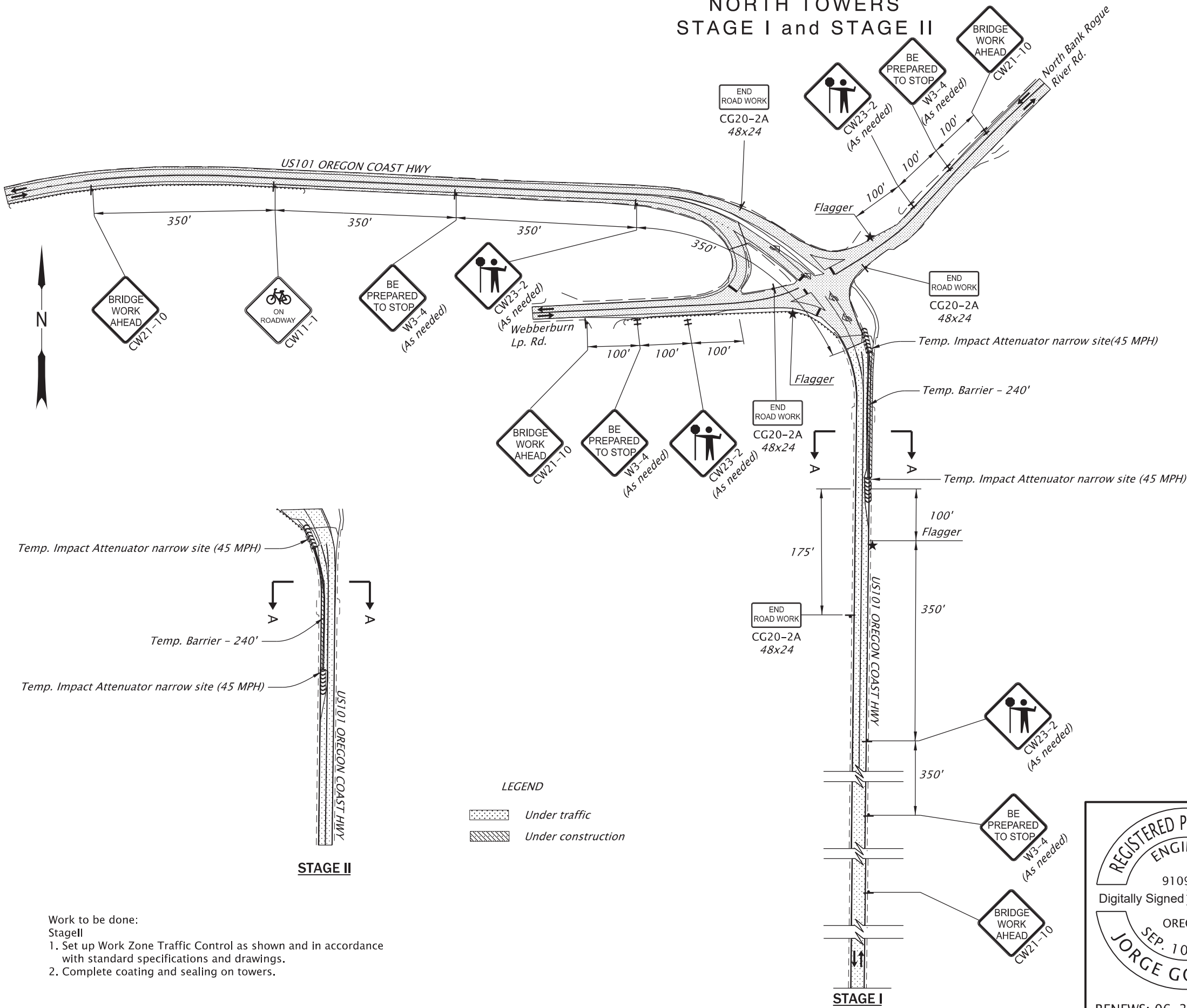
US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT
OREGON COAST HIGHWAY
CURRY COUNTY

Designer: Jorge Gonzalez
Reviewer: Chris Zelmer
Drafter: Tracey Parker
Checker: Chad Gorsky

TRAFFIC CONTROL PLAN

SHEET NO.
EB01

NORTH TOWERS
STAGE I and STAGE II



LEGEND

- Under traffic
- Under construction

- Work to be done:
Stage II
1. Set up Work Zone Traffic Control as shown and in accordance with standard specifications and drawings.
 2. Complete coating and sealing on towers.

REGISTERED PROFESSIONAL
ENGINEER
91094PE
Digitally Signed 2026.06.04 07:10:32 -07'00'
OREGON
SEP. 10, 2019
JORGE GONZALEZ

RENEWES: 06-30-2027

OREGON DEPARTMENT
OF TRANSPORTATION



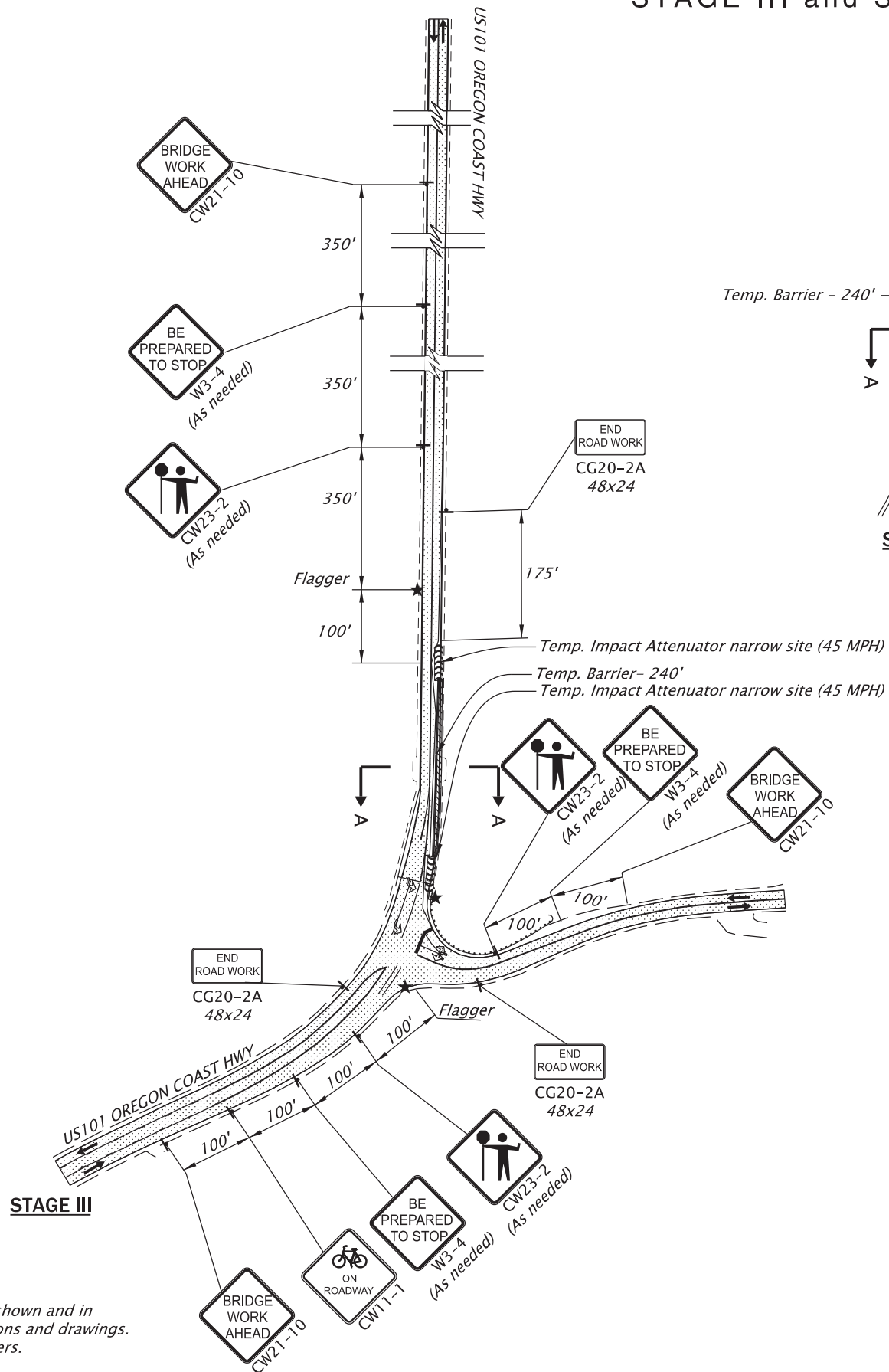
US101: GOLD BEACH (ROGUE RIVER)
BRIDGE PROJECT
OREGON COAST HIGHWAY
CURRY COUNTY

Designer: Jorge Gonzalez
Reviewer: Chris Zelmer
Drafter: Tracey Parker
Checker: Chad Gorsky

TRAFFIC CONTROL PLAN

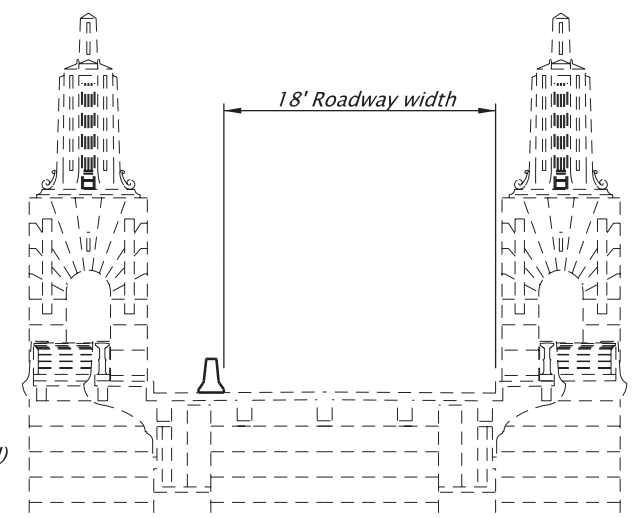
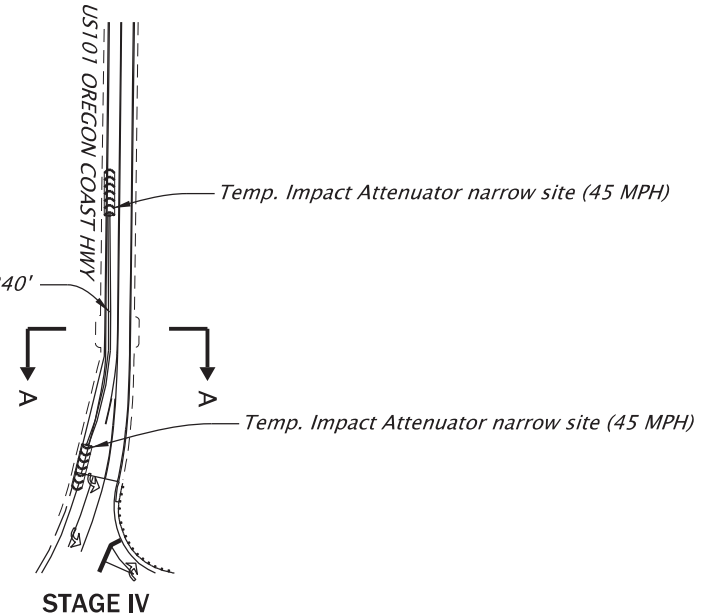
SHEET NO.
EB02

SOUTH TOWERS
STAGE III and STAGE IV

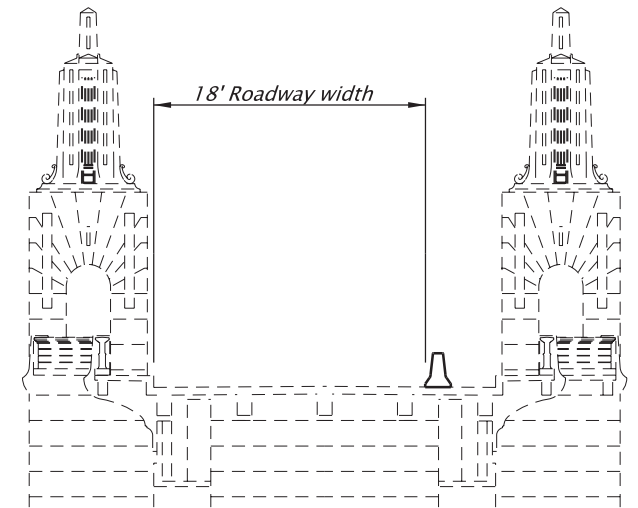


Work to be done:
1. Set up Work Zone Traffic Control as shown and in accordance with standard specifications and drawings.
2. Complete coating and sealing on towers.

LEGEND
Under traffic
Under construction



SECTION A-A
STAGE III



SECTION A-A
STAGE IV

REGISTERED PROFESSIONAL
ENGINEER
91094PE
Digitally Signed 2026.06.04 07:11:08 -07'00'
OREGON
SEP. 10, 2019
JORGE GONZALEZ
RENEW: 06-30-2027

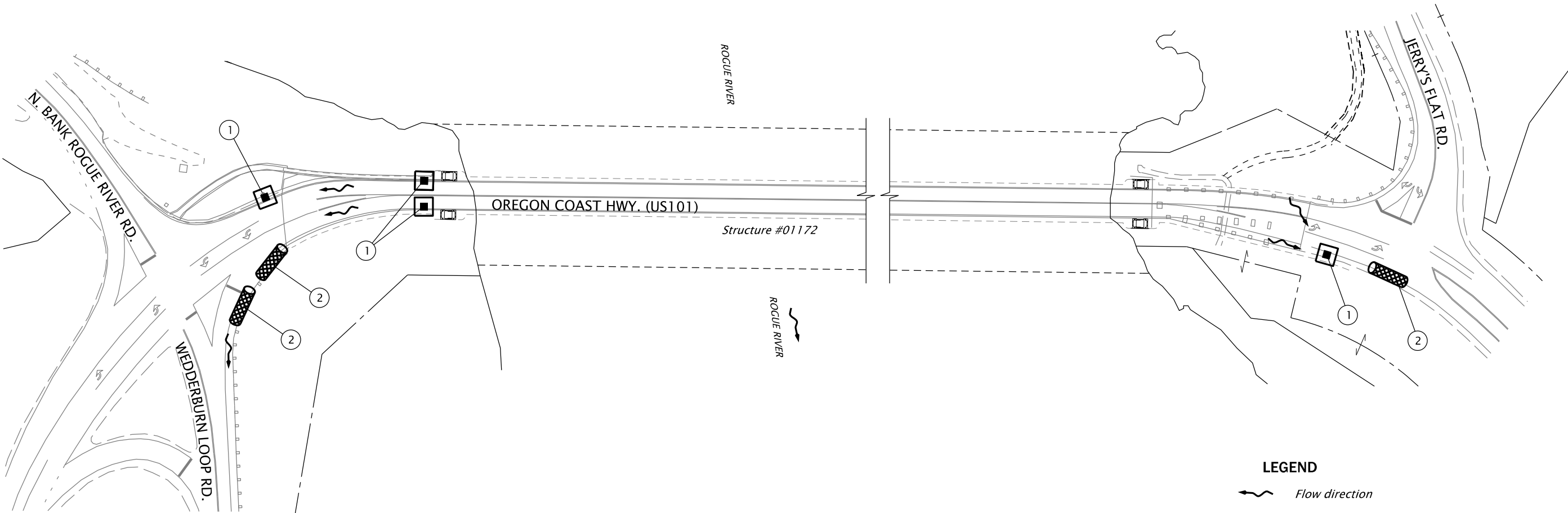
OREGON DEPARTMENT OF TRANSPORTATION	
US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY	
Designer: Jorge Gonzalez	Reviewer: Chris Zelmer
Drafter: Tracey Parker	Checker: Chad Gorsky
TRAFFIC CONTROL PLAN	
SHEET NO. EB03	

CONSTRUCTION NOTES

- 1
- Const. inlet protection - 4
Type 3
(See dwg. no. RD1010)

2

Const. check dam, Type 3 - 3
(See dwg. no. RD1006)



LEGEND

- Flow direction
- Check dam, Type 3
- Inlet protection

ACCOMPANIED BY DWGS.:
RD1006, RD1010

EROSION AND SEDIMENT CONTROL GENERAL NOTES

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.

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.

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-ladenwater does not enter the roadway or drainage system, or violate applicable water standards.

Install measures within the right-of-way unless directed otherwise.



RENEWES: 06-30-2028

OREGON DEPARTMENT
OF TRANSPORTATION



US101: GOLD BEACH (ROGUE RIVER)
BRIDGE PROJECT
OREGON COAST HIGHWAY
CURRY COUNTY

Designer: Chris Zelmer

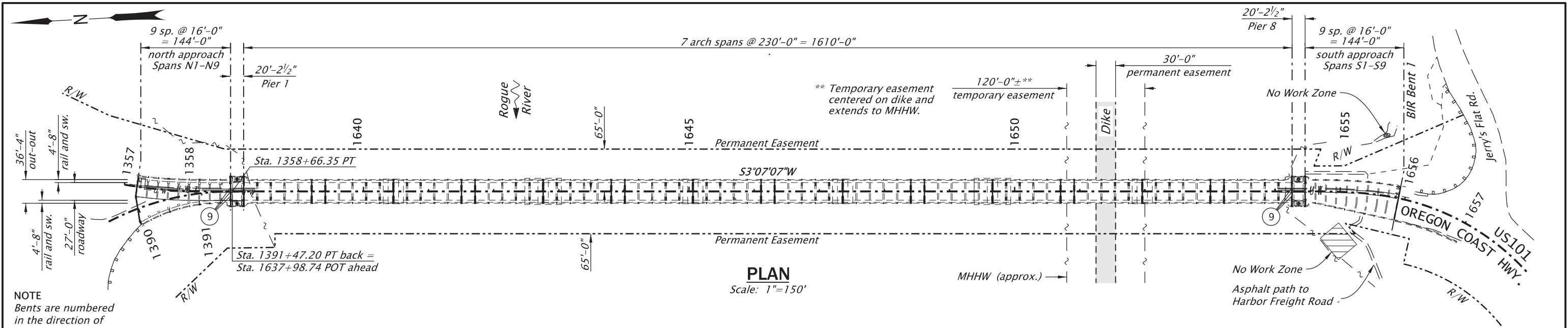
Reviewer: Jered Carpenter

Drafter: Tracey Parker

Checker: Chad Gorsky

EROSION AND SEDIMENT CONTROL PLAN

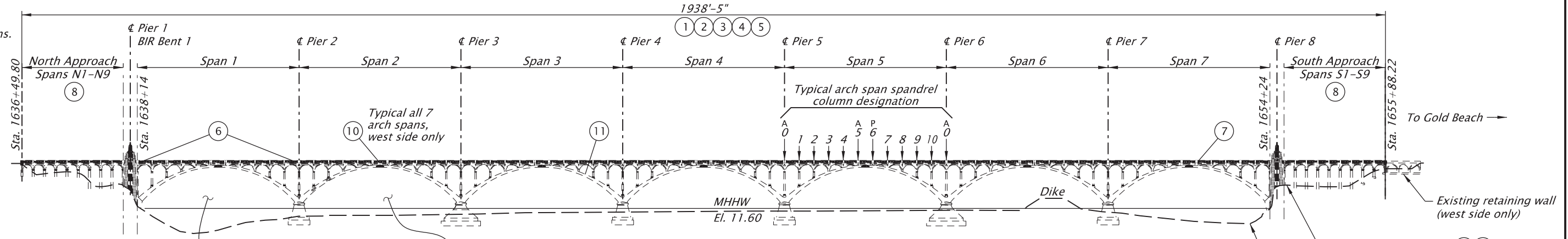
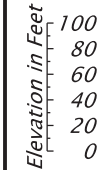
SHEET NO.
FB01



NOTE
Bents are numbered in the direction of increasing project stations and may not correspond with previous project plans.

(BIR=Bridge Inspection Report)

← To Wedderburn



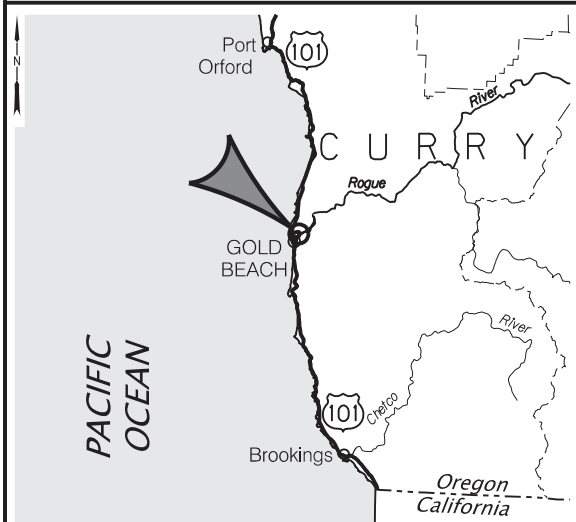
NOTE
Elevations shown are converted to North American Vertical Datum 1988 (NAVD88) from assumed National Geodetic Vertical Datum 1929 (NGVD29) on existing plans. Conversion: NGVD29 + 3.55' = NAVD88

WORK ITEMS

- 1 Replace impressed current Cathodic Protection (CP) system. See special provision 01201. See sheet JA01, and drawings BR500, BR505, BR520, and BR525.
- 2 Epoxy inject cracks 0.016" or greater in width in rail, towers, deck soffit, beams, cross-beams, columns, and arches. See special provisions 00538 and sheet J02.
- 3 Install electrical conduit, wiring, and cabinetry.
- 3A Construct power cabinet concrete pad. See special provisions 00510, 00530, and 00540. See sheets JA15 and JA16.
- 4 Install 1/8" thick Single-layer Polymer Concrete Overlay (SPCO) on sidewalk. See special provision 00558. See sheet J13.
- 5 Apply architectural coating (Silpro Skim wall) and silane sealer on railing, Pier 1 and Pier 8 towers. See special provision 01262. See sheet J02.
- 6 Remove and replace asphaltic plug joint seals (APJ): 2 locations. See special provision 00585. See sheet J13 and drawing BR157.
- 7 Remove and replace Poured Joint seal (PJ): 1 location. See special provision 00585. See sheet J13.
- 8 Install security fence at north and south approaches. See special provisions 00440, 00510, 00593, and 01050. See sheets J09 to J11.
- 9 Perform Near Surface Metal (NSM) TiAB -M strengthening to interior Beams A and F located at Pier 1 and Pier 8. See special provision 00567. See sheet J08.
- 10 Remove existing sidewalk steel access cover and patch opening located at arch apex, all arch spans, west side of bridge only. See special provisions 00501, 00535, and 01235. See sheet J13.
- 11 Remove existing fiber optic arch lights, all arch spans, west side of bridge only. See special provision 00501.

NOTES

Protect existing utilities in place.
A = Asphaltic Plug Joint (APJ)
P = Poured Joint Seal (PJ)



LOCATION MAP

Sections 30 and 31, Township 36S, Range 14W, WM
Latitude 42.42740°N, Longitude 124.41325°W

ACCOMPANIED BY DRAWINGS: J02-J13, JA01-JA37; and drawings BR140, BR157, BR500, BR505, BR520, and BR525	NOT FOR CONSTRUCTION - INFORMATIONAL DRAWINGS: 3874-3890, 4069, 4070, 33357-33362, 59769-59800, 68586-68592
---	--

STRUCTURE NO. 01172
BDS DWG NO. 111671
CALC. BOOK 7563
HWY: 009 M.P.: 327.7
COUNTY Curry
DATE May 2026

REGISTERED PROFESSIONAL
ENGINEER
56148PE
DIGITALLY SIGNED 2026.05.07 08:29:33-07'00'
OREGON
JAN. 15, 2002
ROBERT E. GRUBBS

OREGON DEPARTMENT OF TRANSPORTATION	
Rogue R_Hwy 9 (Gold Beach)	
US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY	
Designer: Mats O. Halvardson, PE	Reviewer: Robert E. Grubbs, PE
Drafter: J. Tilman	Checker: Jaime A. Sanchez-Lopez, PE
PLAN AND ELEVATION	
SHEET NO. J01	

GENERAL NOTES

DESIGN NOTES

Bridge is designed in accordance with the 2024, 10th edition of the "AASHTO LRFD Bridge Design Specifications" and October 2025 edition of the "Oregon Bridge Design Manual", in the Bridge Design Category 'Bridge Strengthening' for the Near Surface Titanium Strengthening and in the Bridge Design Category 'Bridge Preservation' for all other work.

Strengthening designed to the following loads:

Strength II Limit State:

ODOT OR-STP-4D

ODOT OR-STP-4E

ODOT OR-STP-5BW

ODOT EV3

CONSTRUCTION NOTES:

Provide all material and perform all work according to the Oregon Standard Specifications for Construction 2024, as modified and/or extended by the Special Provisions.

Weld reinforcement bar repair splices according to D1.4.

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

Reinforcing Splice Lengths (Class B) Grade 60 $f_c = 3.3 \text{ ksi}$										
Bar Size	#3	#4	#5	#6	#7	#8	#9	#10	#11	#14 & #18
Uncoated	1'-0"	1'-4"	1'-8"	2'-0"	2'-9"	3'-7"	4'-6"	5'-9"	7'-0"	Not permitted

Provide welded wire fabric (plain) conforming to ASTM A1064.

Preheat existing reinforcing bars requiring straightening to 500°F and dye penetrant inspect.

Chamfer exposed concrete corners $\frac{3}{4}$ ", unless noted otherwise.

Anchor embedded reinforcing steel to existing concrete with high strength epoxy adhesive from QPL.

Verify existing bar locations with rebar locator prior to drilling for resin bonded anchor and NSM TiAB strengthening bar placement.

Drill holes for resin bonded anchors with either a diamond point core drill or a carbide bit rotary hammer with four cutting edges on the diameter, according to Standard Specification 00535.

Provide damaged concrete repair material according to Special Provisions Section 01235.

Provide Class 3300 $\frac{3}{4}$ " concrete, unless noted otherwise.

Provide HSS shape conforming to ASTM A500 Grade B for security fence.

Provide steel plate conforming to ASTM A36 for security fence.

Field verify all dimensions prior to fabrication.

Dimensions and geometry of existing features shown are based on a combination of Informational. Drawings and project survey data and are considered approximate. Field verify critical dimensions prior to ordering or fabricating materials. Report material discrepancies to the Engineer and obtain approval for changes before proceeding.

REFERENCE

ORIGINAL BRIDGE CONSTRUCTION (1929):

All parts (except arch rib, deck, and sidewalk slabs):

$f_c = 2200 \text{ psi}$ (Class A)

Deck and sidewalk slabs:

$f_c = 2800 \text{ psi}$ (Class D)

$f_y = 33,000 \text{ psi}$ (unknown)

NORTH APPROACH WIDENING (1955):

All parts (except rail):

$f_c = 3600 \text{ psi}$

$f_y = 40,000 \text{ psi}$ (intermediate grade)

SOUTH APPROACH WIDENING (1990):

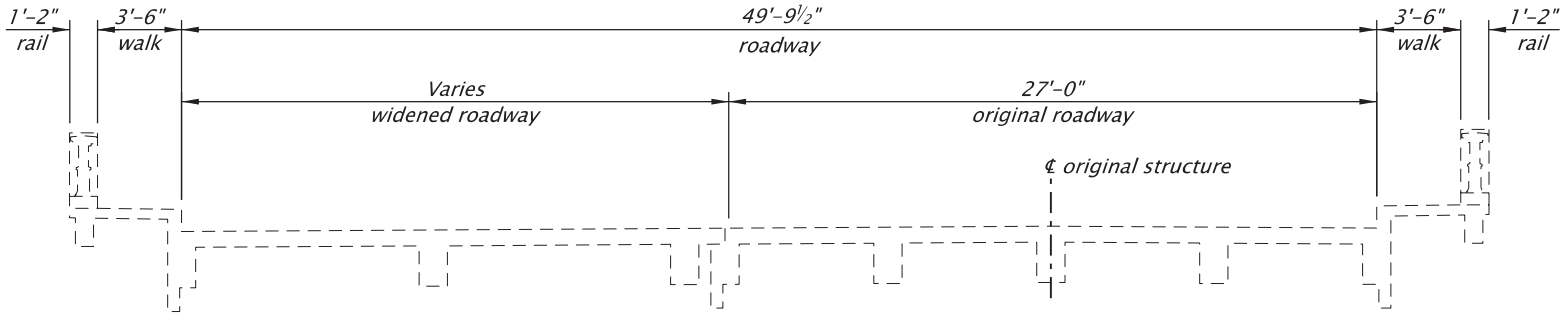
All parts (except deck):

$f_c = 3300 \text{ psi}$

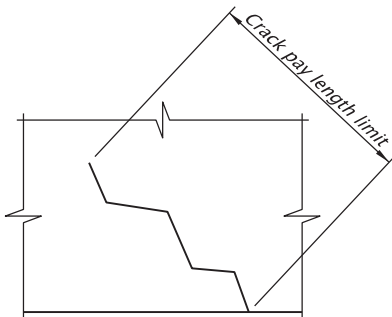
Deck:

$f_c = 4000 \text{ psi}$

$f_y = 60,000 \text{ psi}$

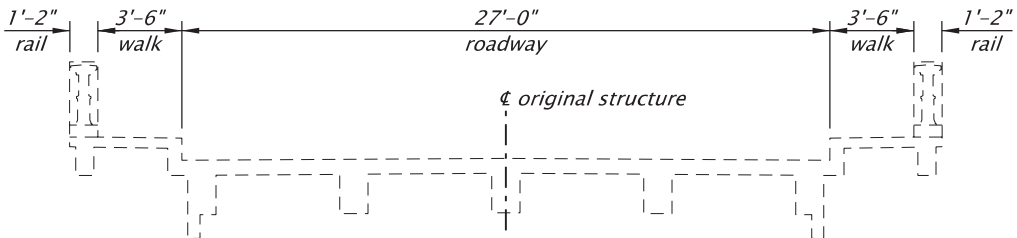


NORTH APPROACH (LOOKING NORTH)

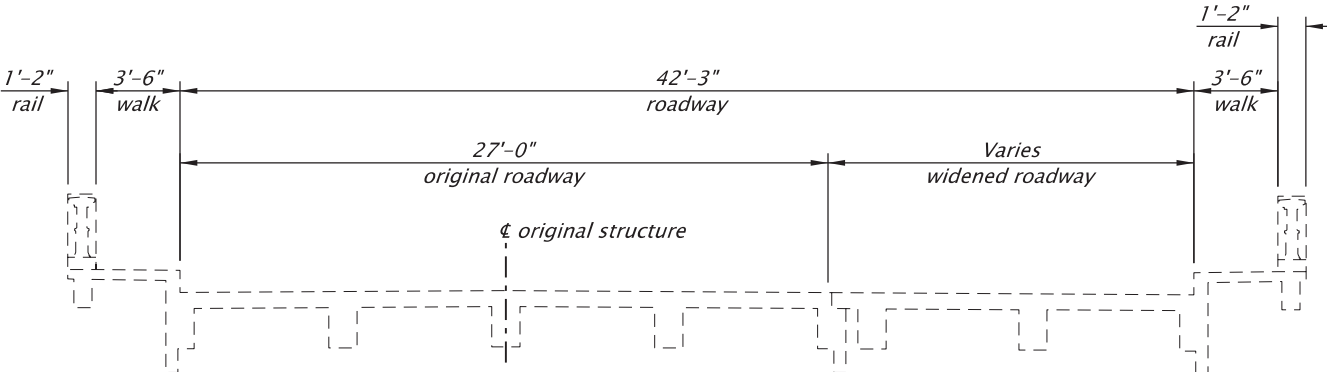


CRACK REPAIR
PAY LENGTH

Scale: Not To Scale



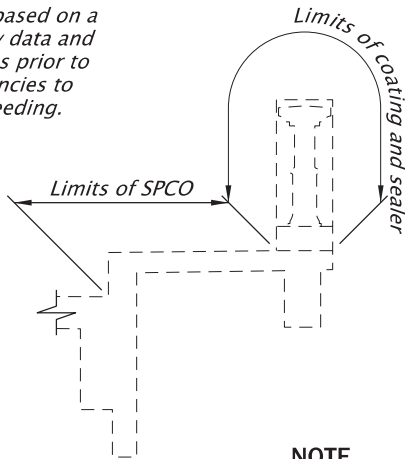
MAIN ARCH SPANS



SOUTH APPROACH (LOOKING SOUTH)

TYPICAL DECK SECTIONS

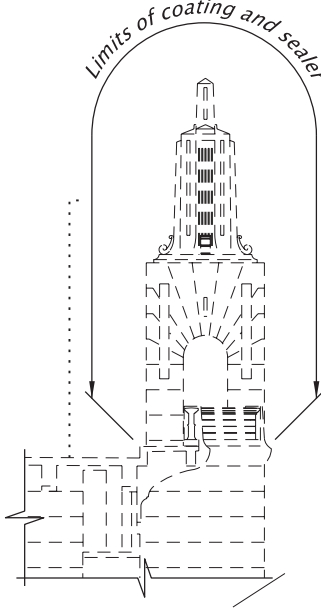
Scale: 1/8"=1'-0"



RAIL

NOTE

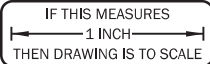
Similar both sides.



PIERS 1 and 8 TOWERS

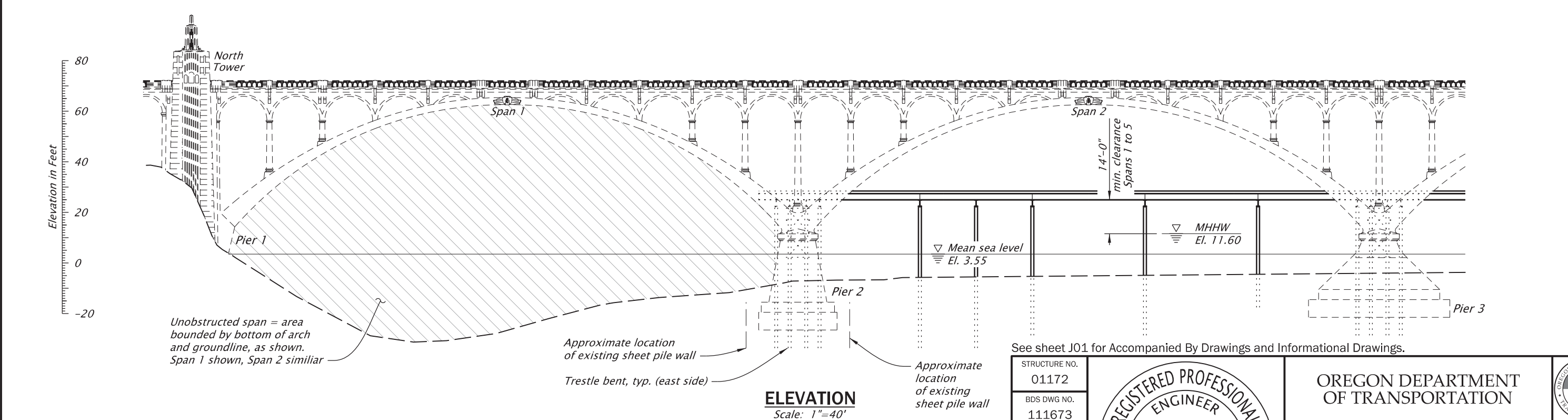
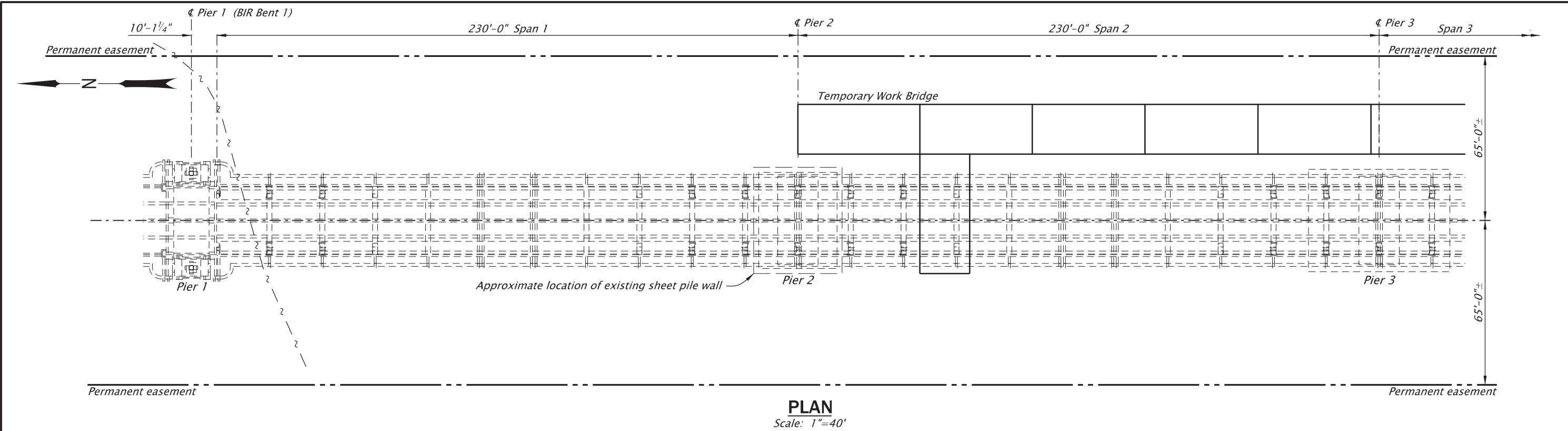
COATING AND SEALER PAY LIMITS

Not To Scale



See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172	REGISTERED PROFESSIONAL ENGINEER 56148PE DIGITALLY SIGNED 2026.05.07 08:30:22-07'00' OREGON JAN. 15, 2002 ROBERT E. GRUBBS	OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111672		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY	
HWY: 009 M.P.: 327.7		Designer: Mats O. Halvardson, PE	Reviewer: Robert E. Grubbs, PE
COUNTY Curry		Drafter: J. Tilman	Checker: Jaime A. Sanchez-Lopez, PE
DATE May 2026	RENEW: 06-30-2027	GENERAL NOTES	
FINAL ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST		SHEET NO. J02	

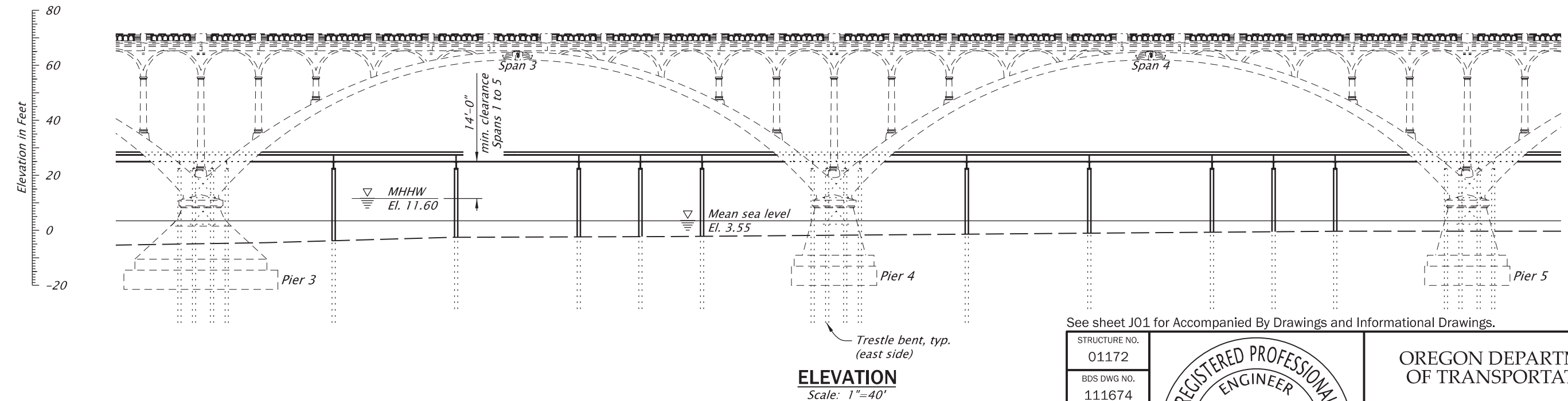
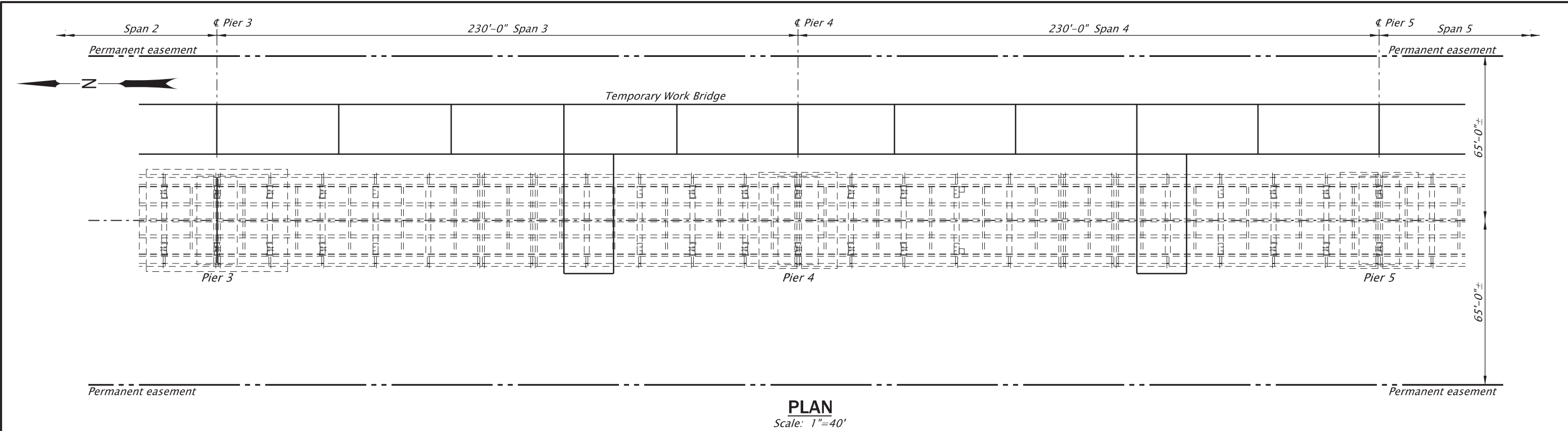


NOTES
See sheet J06 for typical sections and Construction Notes.

Elevations shown are converted to North American Vertical Datum 1988 (NAVD88) from assumed National Geodetic Vertical Datum 1929 (NGVD29) on existing plans. Conversion: NGVD29 + 3.55' = NAVD88

See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION Rogue R_Hwy 9 (Gold Beach) US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY		
BDS DWG NO. 111673				
CALC. BOOK 7563				
HWY: 009 M.P.: 327.7				
COUNTY Curry				
DATE May 2026	RENEWES: 12-31-2027	DESIGNER: Django Wiedel DRAFTER: J. Tilman	REVIEWER: Raymond D. Bottenberg, PE, SE CHECKER: Scott W. Hayes, PE	SHEET NO. J03



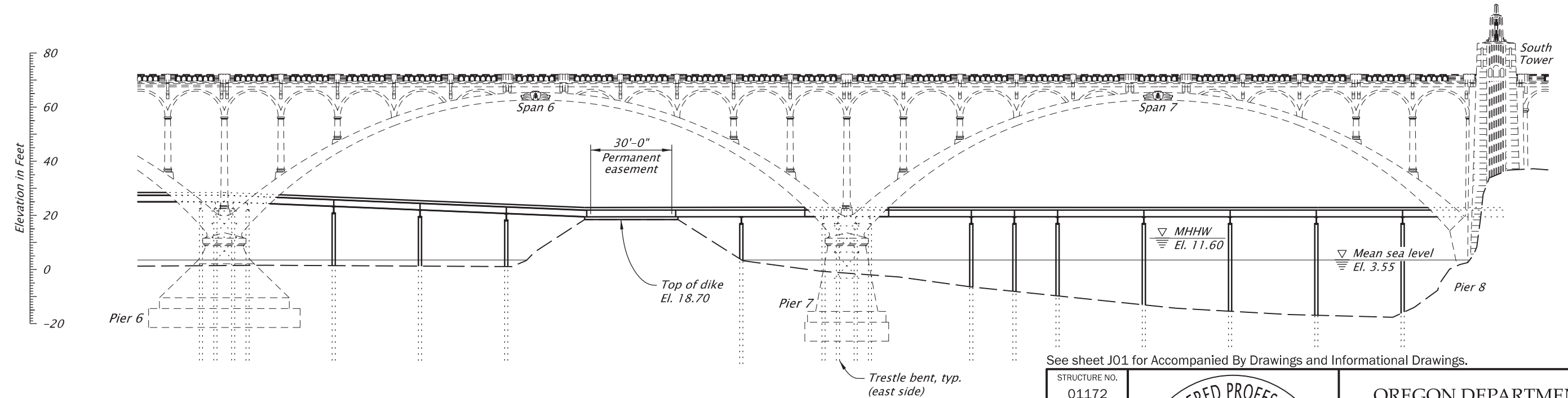
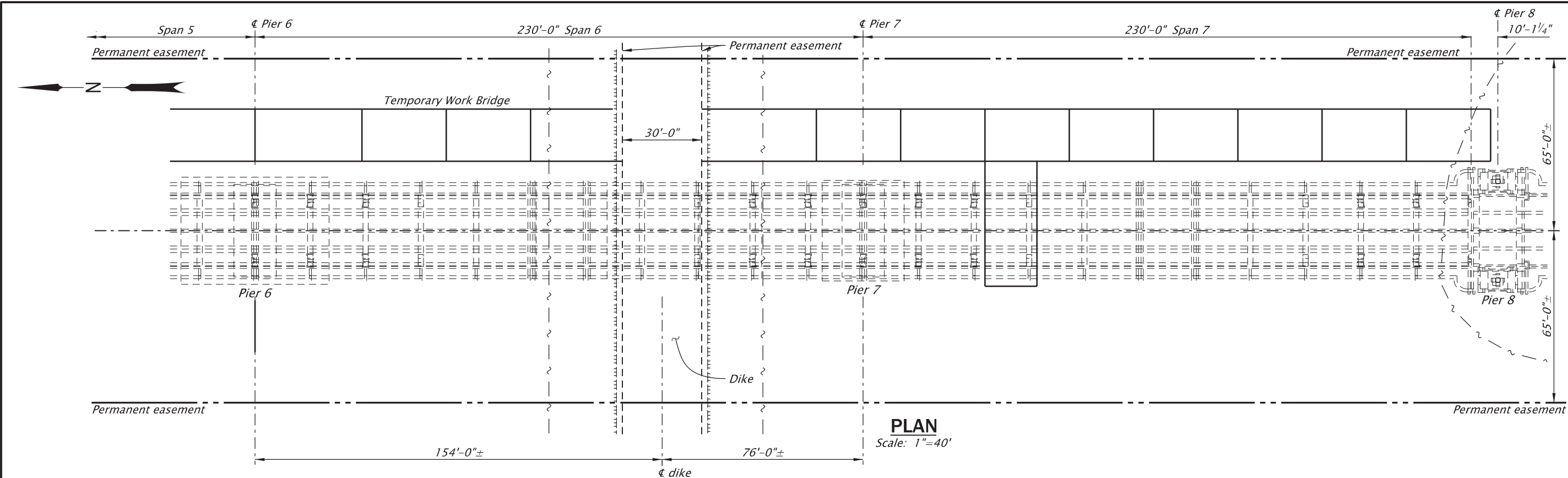
NOTES
Span 5 similar to Spans 3 and 4.

See sheet J06 for typical sections and Construction Notes.

Elevations shown are converted to North American Vertical Datum 1988 (NAVD88) from assumed National Geodetic Vertical Datum 1929 (NGVD29) on existing plans. Conversion: NGVD29 + 3.55' = NAVD88

See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION Rogue R_Hwy 9 (Gold Beach) US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY		
BDS DWG NO. 111674				
CALC. BOOK 7563				
HWY: 009 M.P.: 327.7				
COUNTY Curry				
DATE May 2026	RENEWES: 12-31-2027	DESIGNER: Django Wiedel DRAFTER: J. Tilman	REVIEWER: Raymond D. Bottenberg, PE, SE CHECKER: Scott W. Hayes, PE	SHEET NO. J04

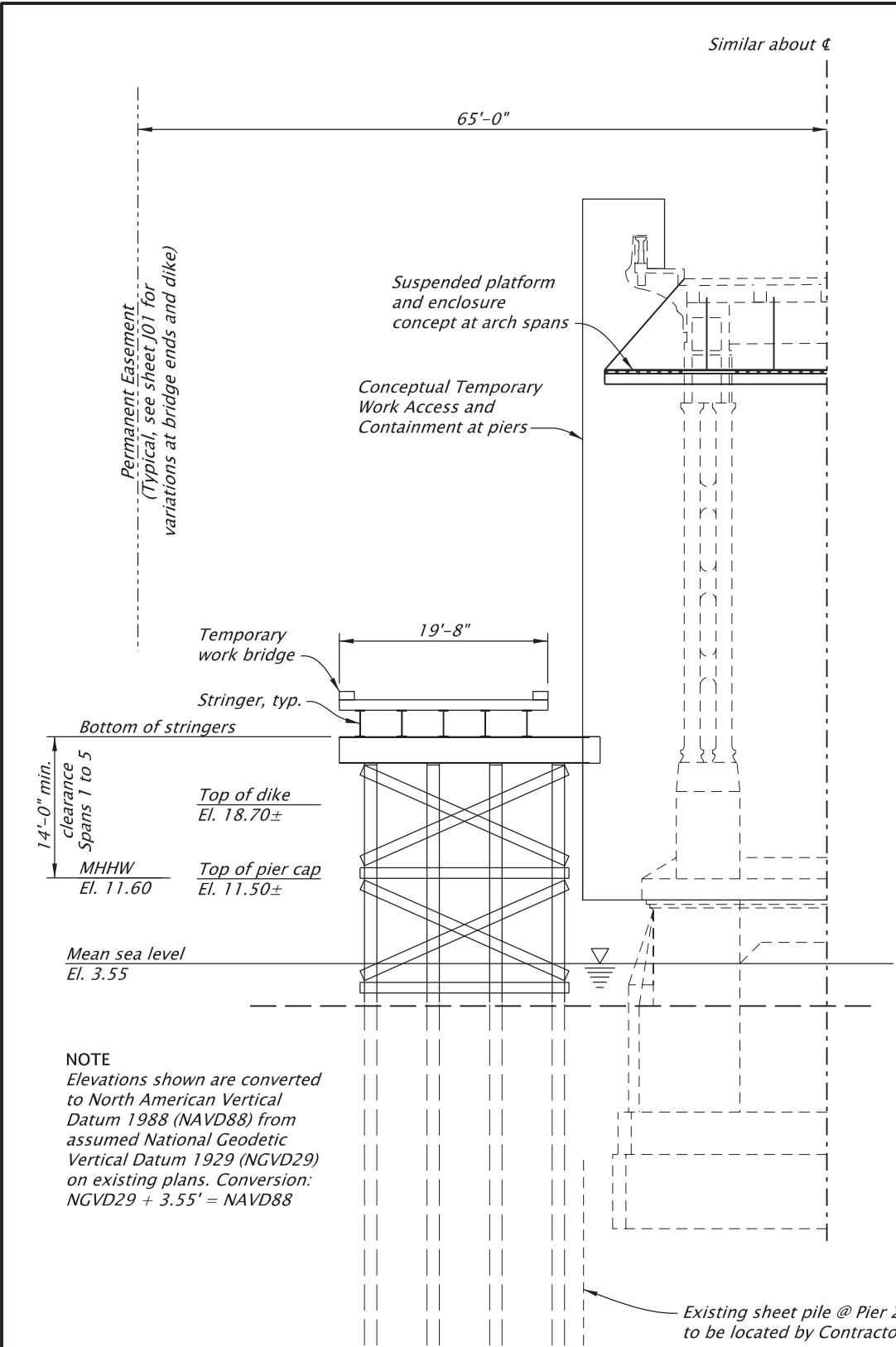


NOTES
See sheet J06 for typical sections and Construction Notes.

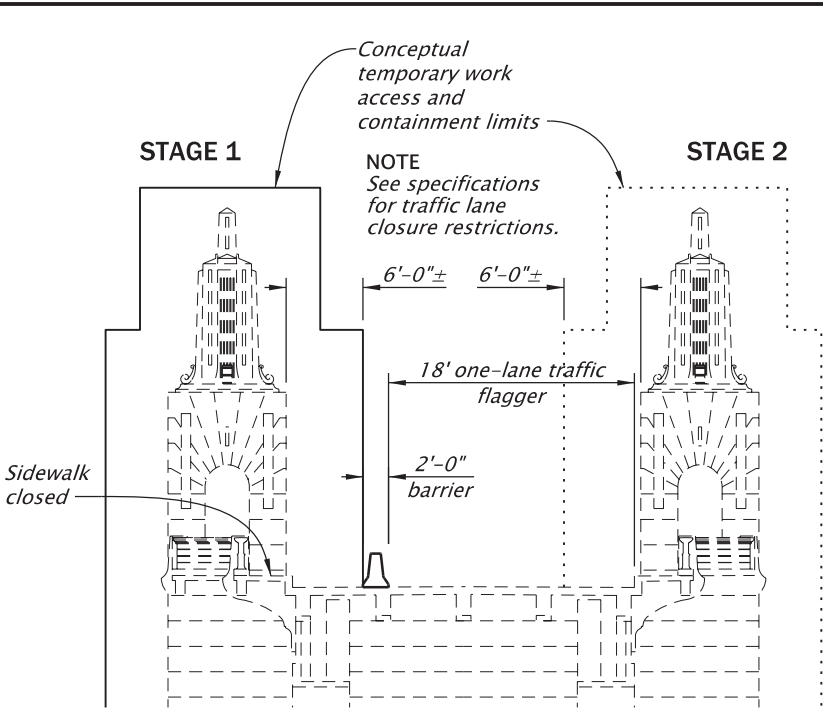
Elevations shown are converted to North American Vertical Datum 1988 (NAVD88) from assumed National Geodetic Vertical Datum 1929 (NGVD29) on existing plans. Conversion: NGVD29 + 3.55' = NAVD88

See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111675		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT	
HWY: 009 M.P.: 327.7		OREGON COAST HIGHWAY CURRY COUNTY	
COUNTY Curry	DATE May 2026	Designer: Django Wiedel Reviewer: Raymond D. Bottenberg, PE, SE Drafter: J. Tilman Checker: Scott W. Hayes, PE	SHEET NO. J05



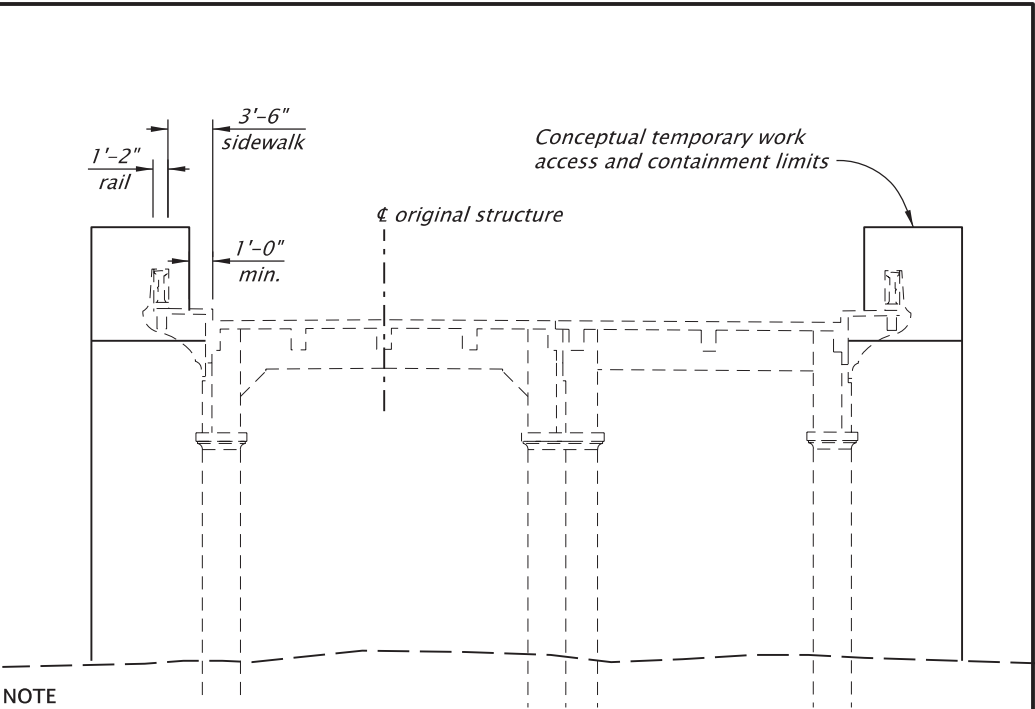
**TYPICAL SECTION
TEMPORARY WORK BRIDGE**
Scale: 1"=15'



**TYPICAL SECTION
TEMPORARY WORK ACCESS AND CONTAINMENT
AT TOWER**
Scale: 1"=15'

- CONSTRUCTION NOTES**
- 1) See sheet J03 through J05 for conceptual temporary work bridge layout.
 - 2) All vehicular access to temporary work bridge to be provided from dike.
 - 3) The table below is provided as informational only.

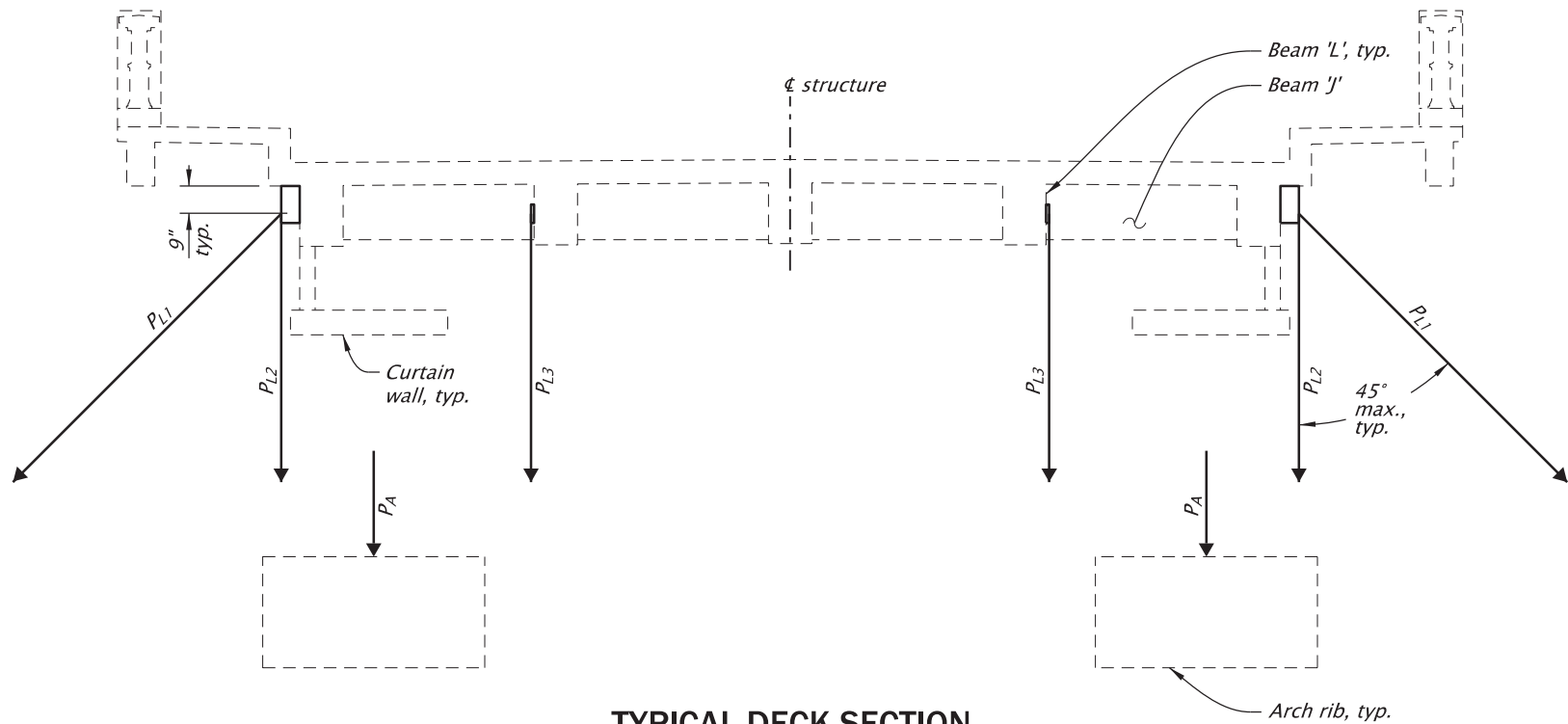
FLOOD EVENT	
FREQUENCY (years)	ELEVATION (feet)
10	15.20
50	20.60
100	23.40



**TYPICAL SECTION
TEMPORARY WORK ACCESS AND CONTAINMENT
APPROACH SPANS**
Scale: 1"=15'

See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111676		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT	
HWY: 009 M.P.: 327.7		OREGON COAST HIGHWAY CURRY COUNTY	
COUNTY Curry		Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
DATE May 2026	Drafter: J. Tilman	Checker: Scott W. Hayes, PE	
RENEWES: 12-31-2027		CONCEPTUAL TEMPORARY FEATURE DETAILS	SHEET NO. J06



**TYPICAL DECK SECTION
TEMPORARY WORK ACCESS AND CONTAINMENT
LOAD LIMITS FOR ARCH SPANS**
Scale: 1"=5'

**TEMPORARY WORK ACCESS AND CONTAINMENT
MAXIMUM ALLOWABLE UNFACTORED LOAD**

	Longitudinal Loading Interval (in pounds)			
	8'		16'	
	C _P	C _D	C _P	C _D
P _{L1}	1330	500	2660	1000
P _{L2}	850	320	1700	640
P _{L3}	1920	720	3840	1440

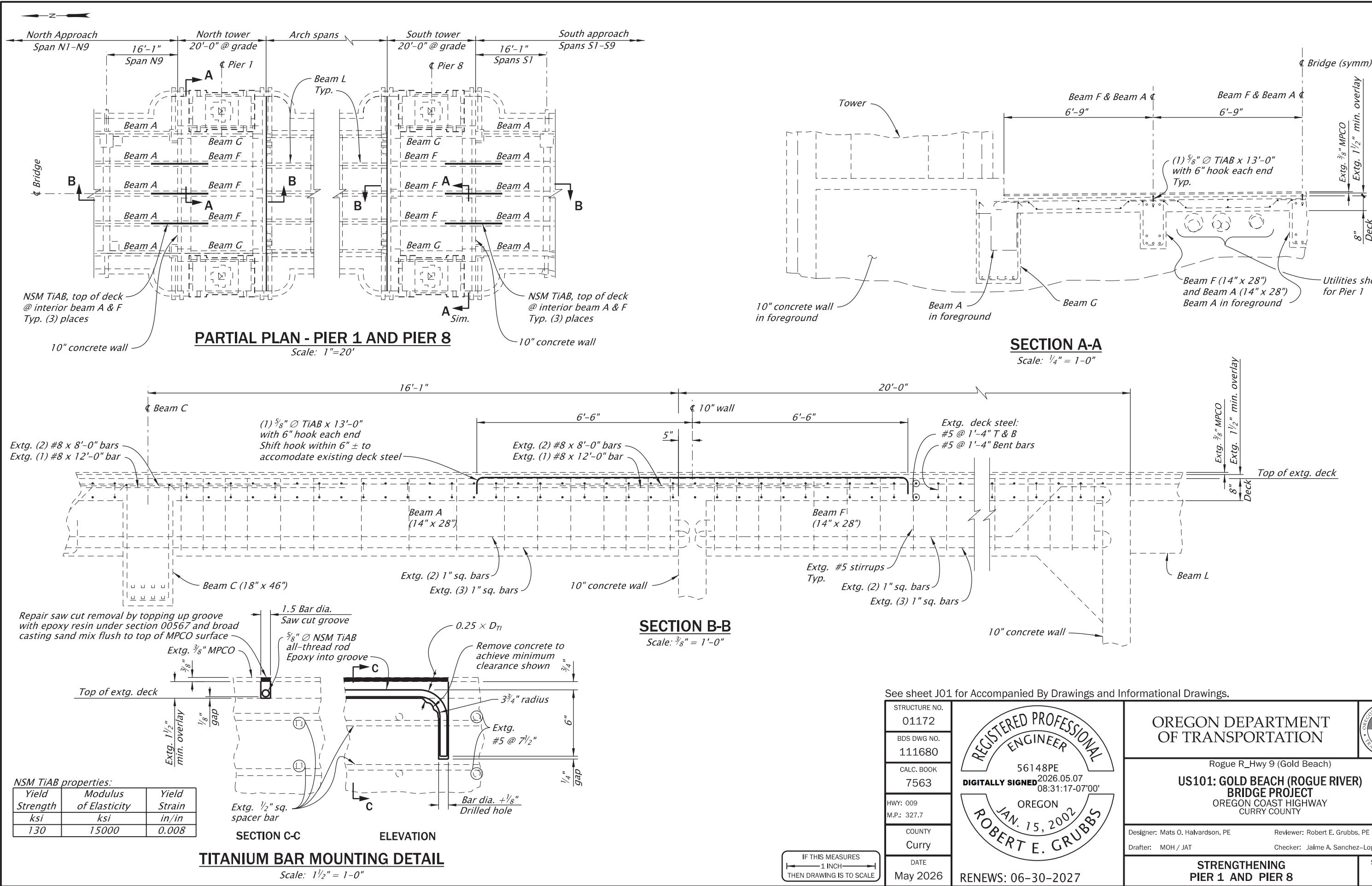
- The maximum unfactored allowable loads for the Temporary Work Access and Containment System, per the 'AASHTO Guide Design Specifications for Bridge Temporary Works', are:

Construction Live Load (CP): 20 psf, uniformly distributed over the equivalent bridge deck area.

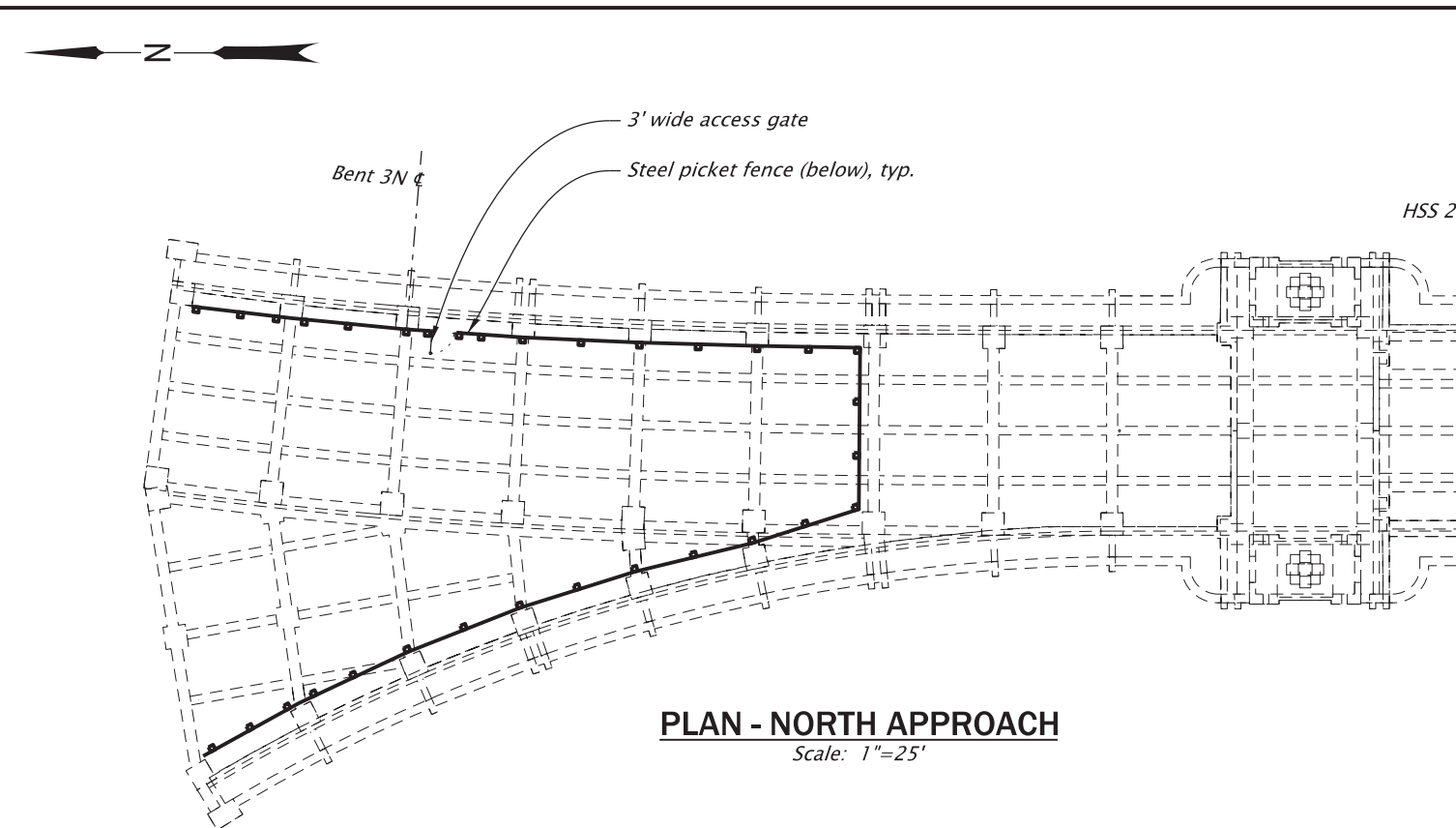
Construction Dead Load (CD): 7.5 psf for the completed temporary work access and containment system.
- Position loads P_{L1}, P_{L2}, and P_{L3} on on the bridge longitudinal axis at a minimum interval of 8'-0" and maximum interval of 16'-0". For intervals between 8'-0" and 16'-0", linearly interpolate between the values on the table to determine the maximum applied unfactored load.
- Position loads P_A, on the bridge longitudinal axis at a minimum interval of 8'-0" and maximum interval of 16'-0". Do not apply loads P_A to the three midspan column spaces. Arch supported scaffolding loads (P_A) are allowed concurrently with loads (P_L). Loads will be directly applied to the top surface of the rib arch.
- Temporary work access and containment connections to columns may resist lateral wind loads but will not be subjected to gravity loads.
- Position connections to existing structure to avoid conflicts with Beam J, Beam K, Beam I, corbels, and columns.

See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111679		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT	
HWY: 009 M.P.: 327.7		OREGON COAST HIGHWAY CURRY COUNTY	
COUNTY Curry		Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
DATE May 2026	Drafter: J. Tilman	Checker: Scott W. Hayes, PE	
TEMPORARY ACCESS AND CONTAINMENT LOADING		SHEET NO. J07	

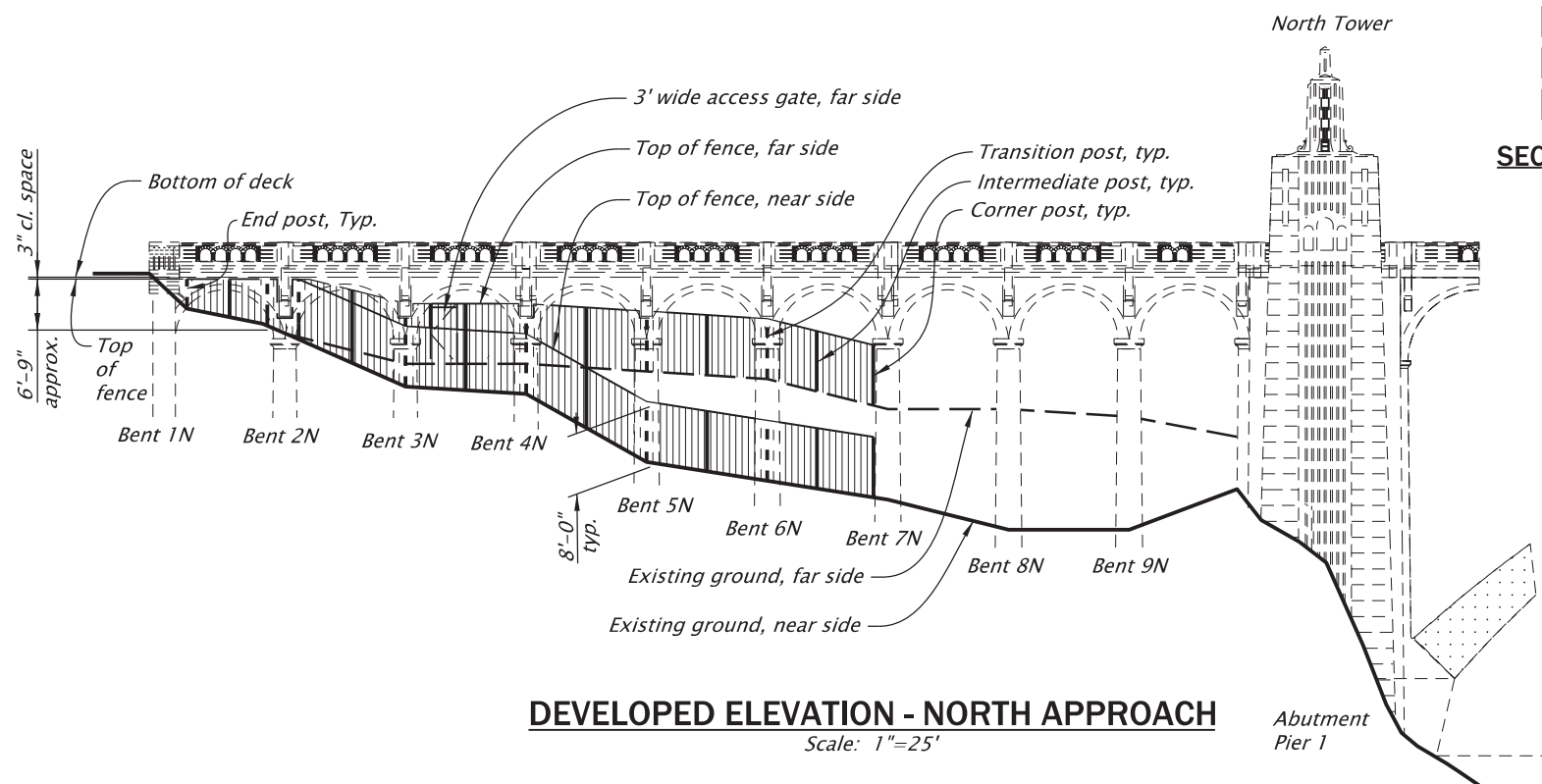


Bidding Plans



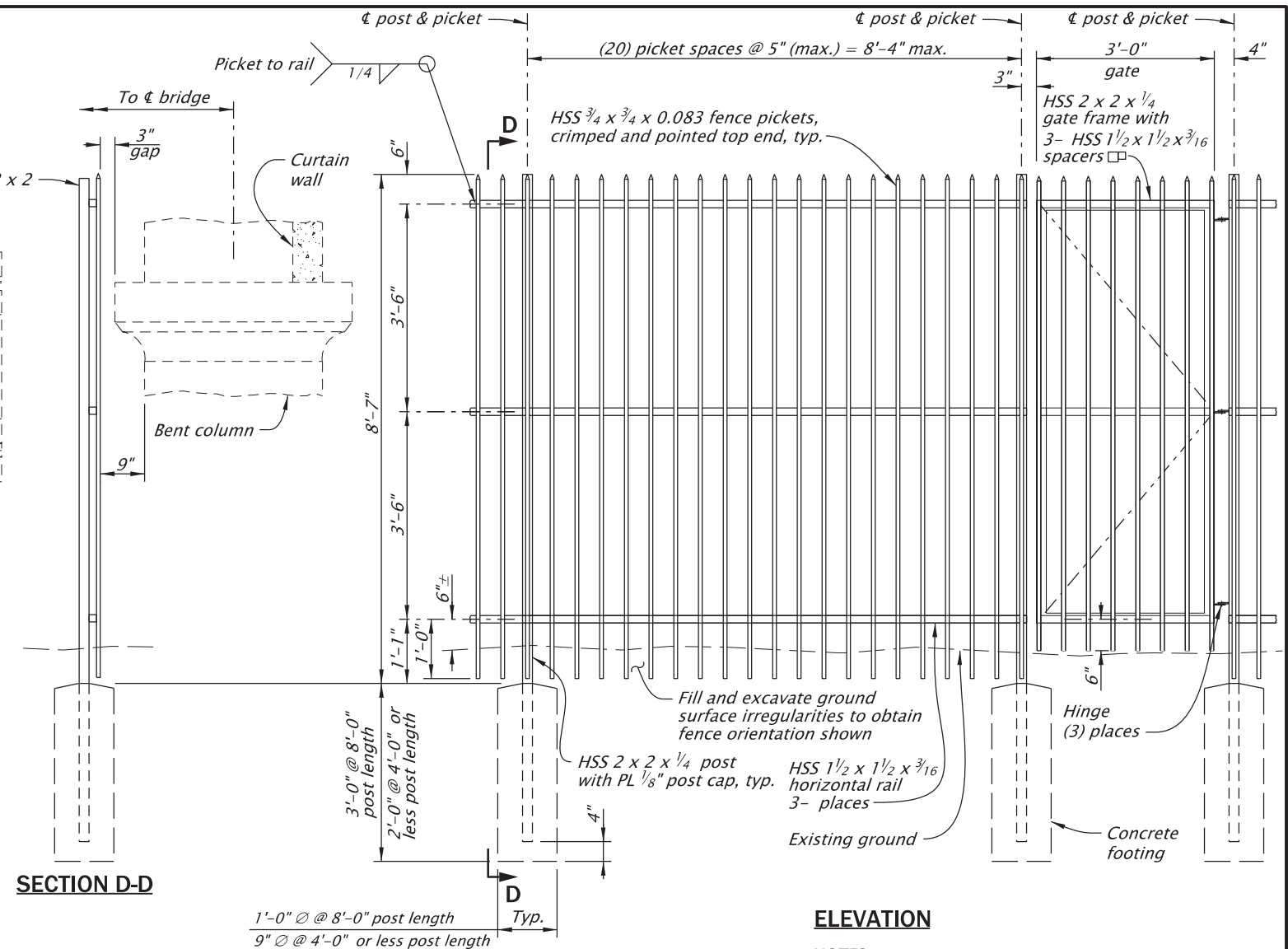
PLAN - NORTH APPROACH

Scale: 1"=25'



DEVELOPED ELEVATION - NORTH APPROACH

Scale: 1"=25'



SECTION D-D

1'-0" Ø @ 8'-0" post length
9" Ø @ 4'-0" or less post length

NOTE
See sheet J11 for details
and fence bracket
hardware not shown.

ORNAMENTAL SECURITY FENCE

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

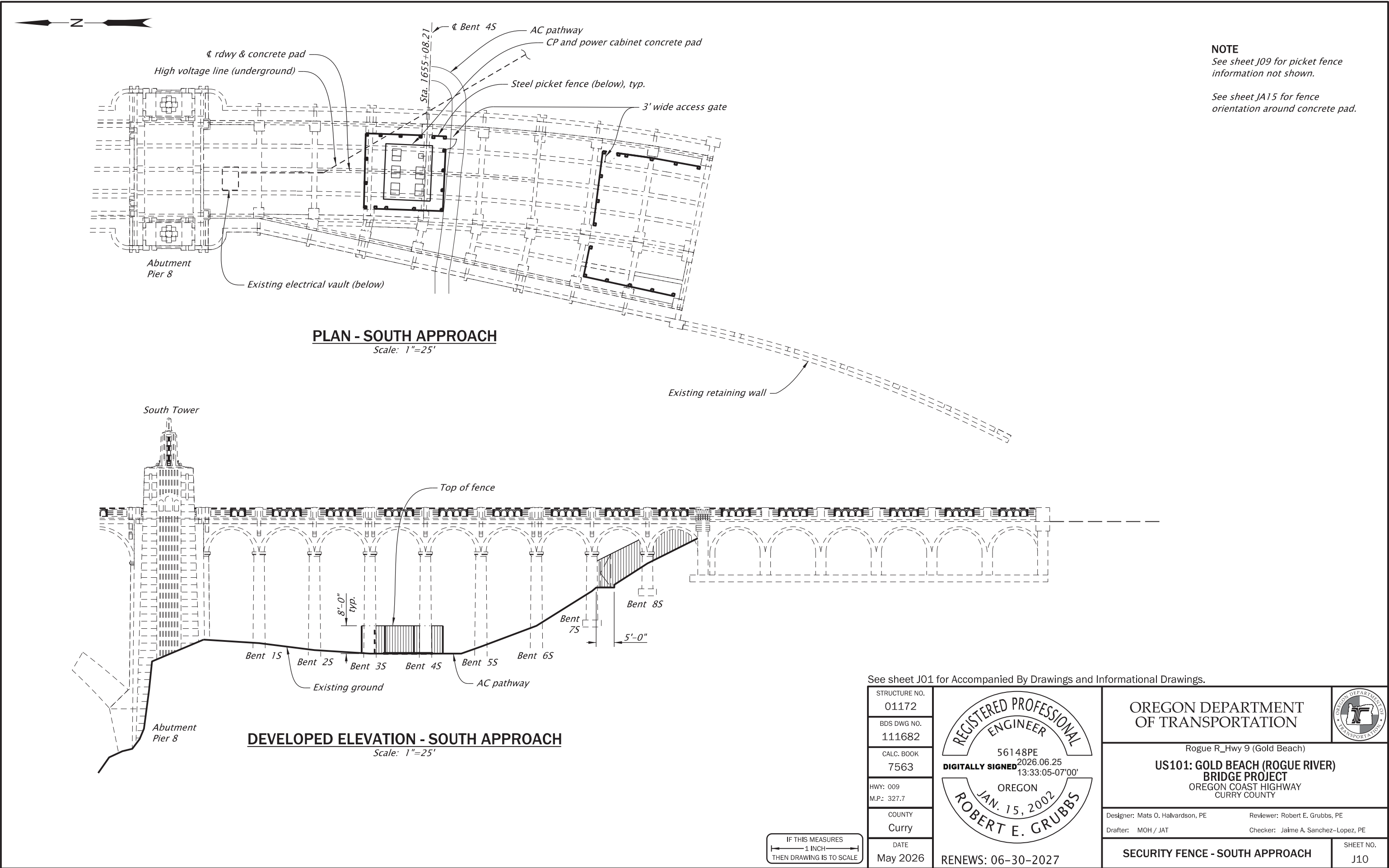
ELEVATION

NOTES

1. *Locate post in the field according to the plans and adjust as required to clear obstructions. Posts to be installed plumb. Field verify height and lengths between posts.*
2. *Provide Commercial Grade Concrete (CGC) according to section 00440 for concrete footing.*
3. *Hot-dip galvanize structural steel after fabrication.*
4. *Powder coat surfaces according to 00593. Furnish top-coat color of Black that matches SAE AMS-STD-595 color #27038.*

See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION		
BDS DWG NO. 111681		Rogue R_Hwy 9 (Gold Beach)		
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY		
HWY: 009 M.P.: 327.7		Designer: Mats O. Halvardson, PE Drafter: MOH / JAT		Reviewer: Robert E. Grubbs, PE Checker: Jaime A. Sanchez-Lopez, PE
COUNTY Curry				
DATE May 2026	RENEWS: 06-30-2027			SHEET NO. J09

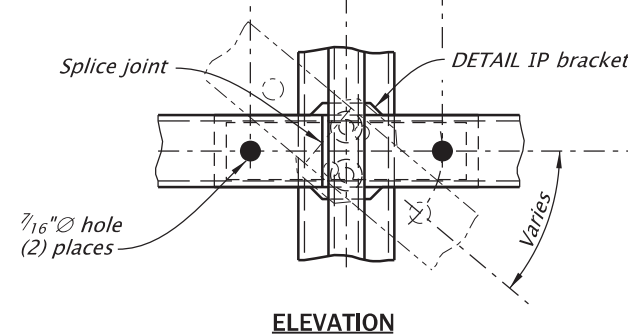
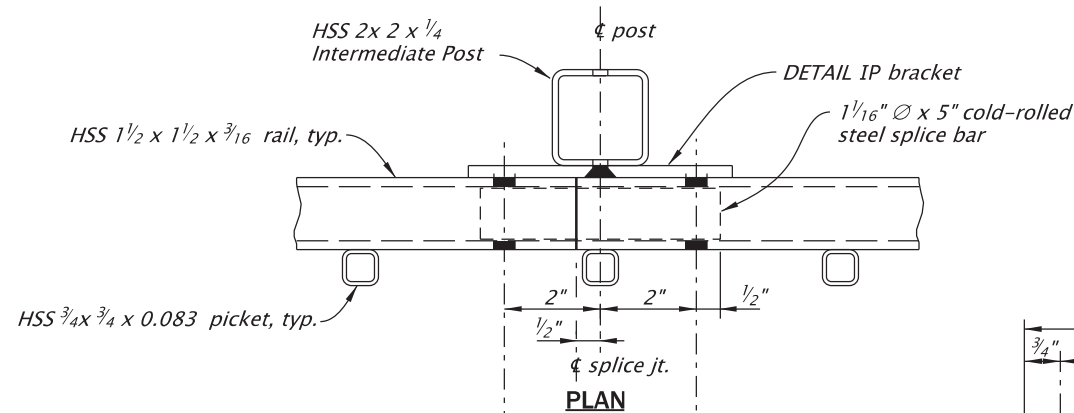


NOTES

1. Provide screws conforming to ASME B18.3 or ASTM F879.
2. See sheet J09 for general fencing information not shown.
3. Coat field drilled holes with epoxy paint to match color.

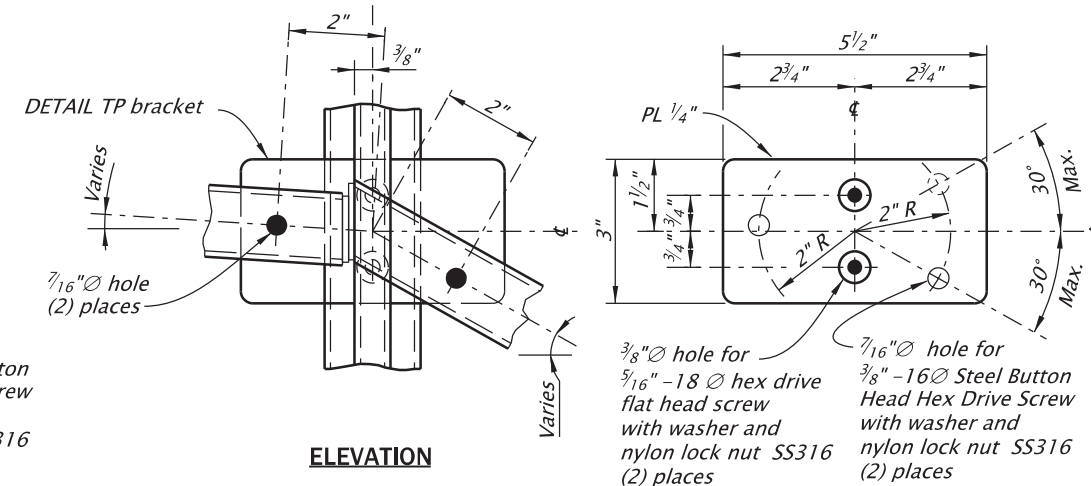
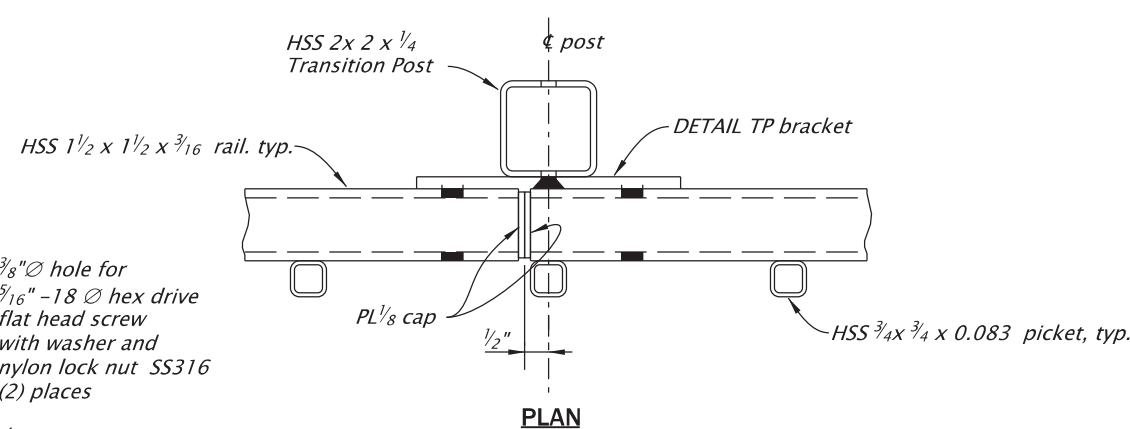
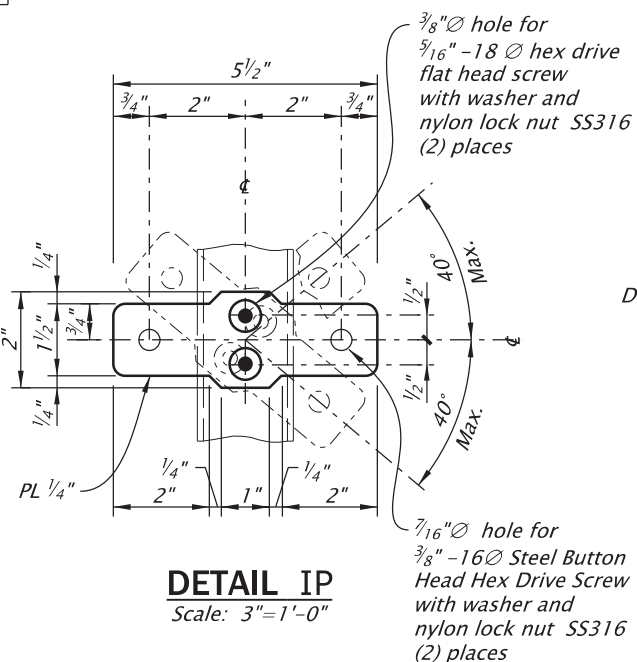
LEGEND

- *Field drilled hole*
● *Shop drilled hole*



INTERMEDIATE POST CONNECTION

Scale: 3"=1'-0"

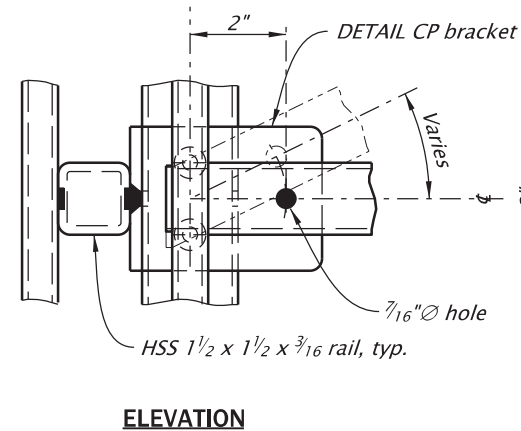
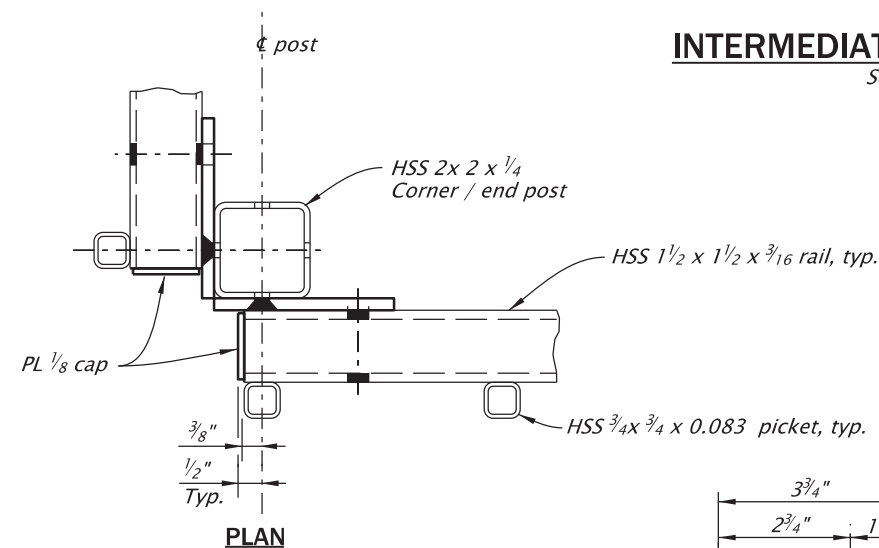


TRANSITION POST CONNECTION

Scale: 3"=1'-0"

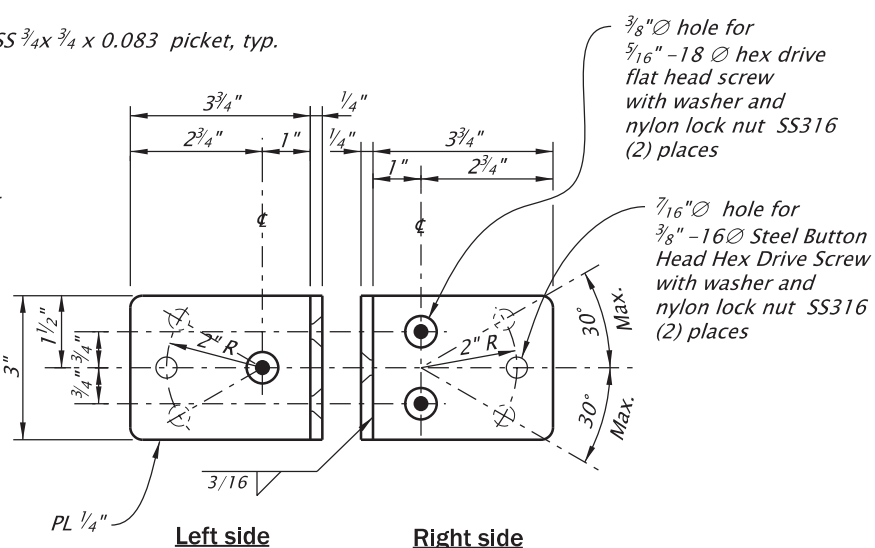
DETAIL TP

Scale: 3"=1'-0"

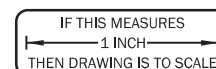


CORNER / END POST CONNECTION

Scale: 3"=1'-0"

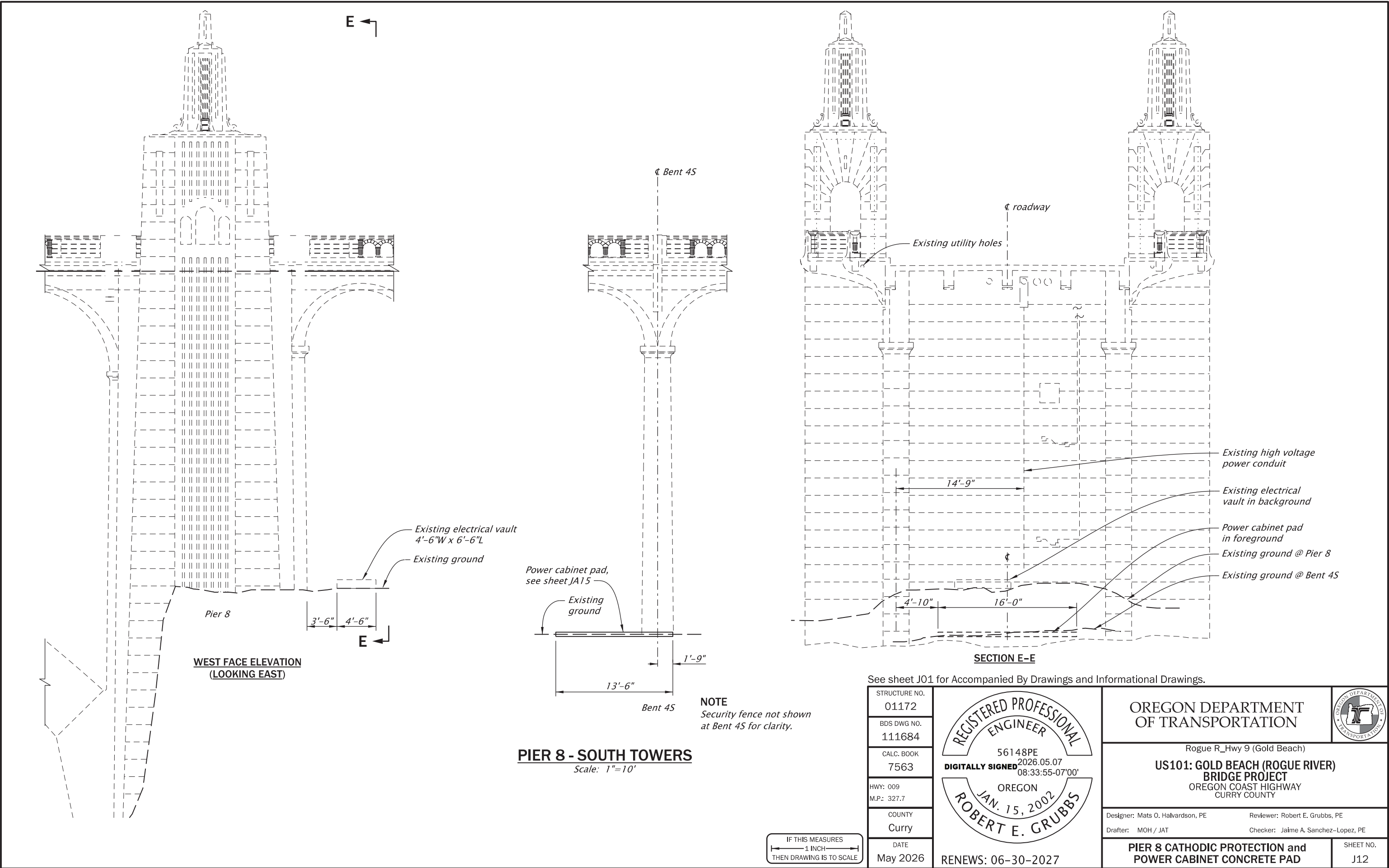


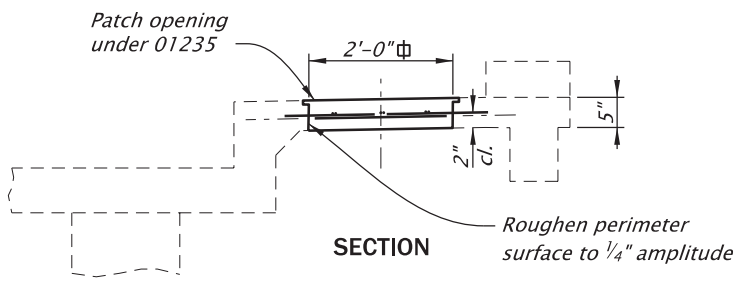
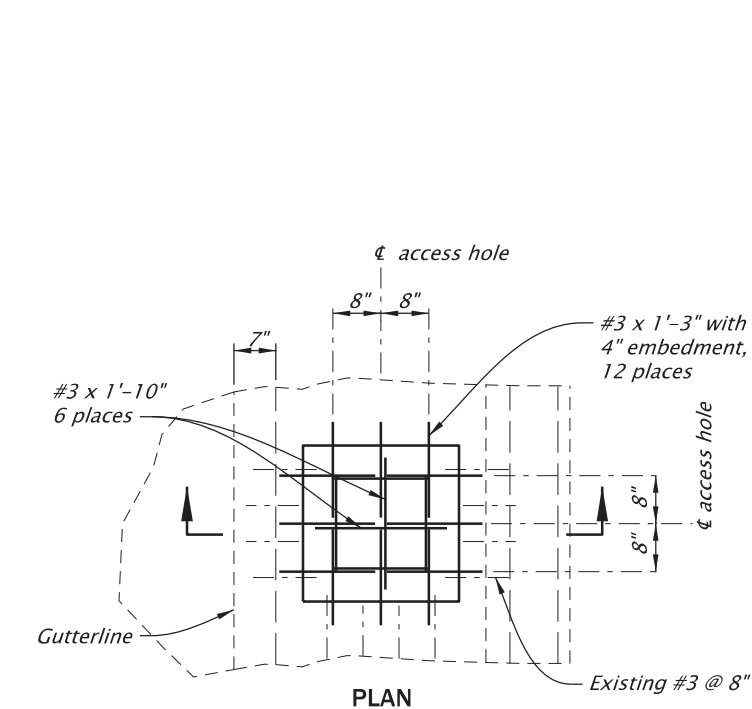
END POST CONNECTION similar use right side of bracket



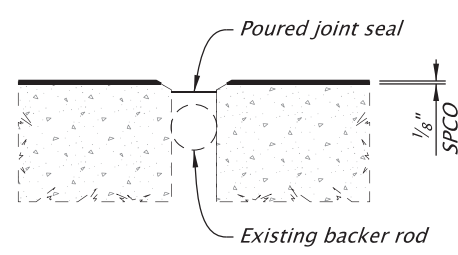
See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172 BDS DWG NO. 111683 CALC. BOOK 7563 HWY: 009 M.P.: 327.7 COUNTY Curry DATE May 2026	REGISTERED PROFESSIONAL ENGINEER 56148PE DIGITALLY SIGNED 2026.06.10 12:30:29-07'00' OREGON JAN. 15, 2032 ROBERT E. GRUBBS RENEWS: 06-30-2027	OREGON DEPARTMENT OF TRANSPORTATION Rogue R_Hwy 9 (Gold Beach) US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY Designer: Mats O. Halvardson, PE Reviewer: Robert E. Grubbs, PE Drafter: MOH / JAT Checker: Jaime A. Sanchez-Lopez, PE SECURITY FENCE CONNECTION BRACKET DETAILS SHEET NO. J11
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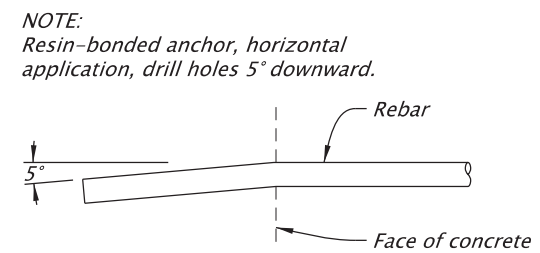




ACCESS OPENING MODIFICATON
Scale: 3/8"=1'-0"



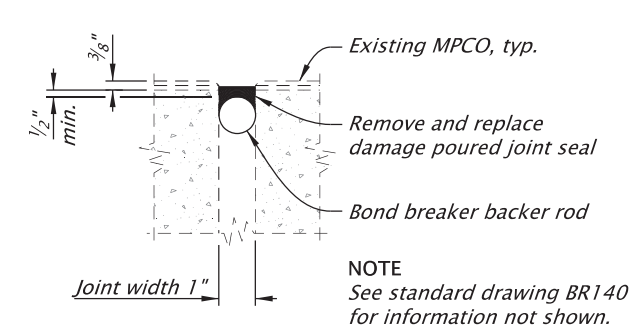
SIDEWALK SECTION
Not To Scale



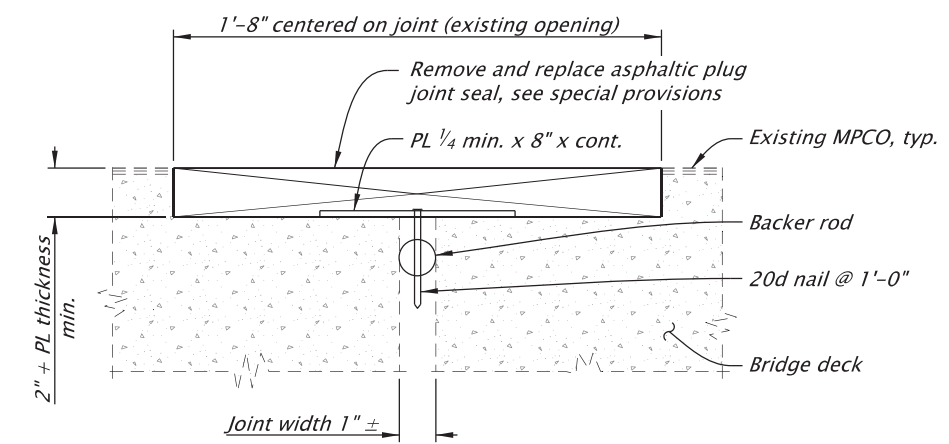
NOTE:
Resin-bonded anchor, horizontal application, drill holes 5° downward.

Provide and install ASTM A706 Grade 60 rebar resin-bonded anchors with epoxy resin from the ODOT QPL. The characteristic bond stress used in the design is 1200 psi. The minimum pullout strength is 7,900 pounds with a minimum embedment (h_{ef}) of 3.25". Install anchors according to the manufacturer's recommendations.

RESIN-BONDED ANCHOR DETAIL
Not To Scale



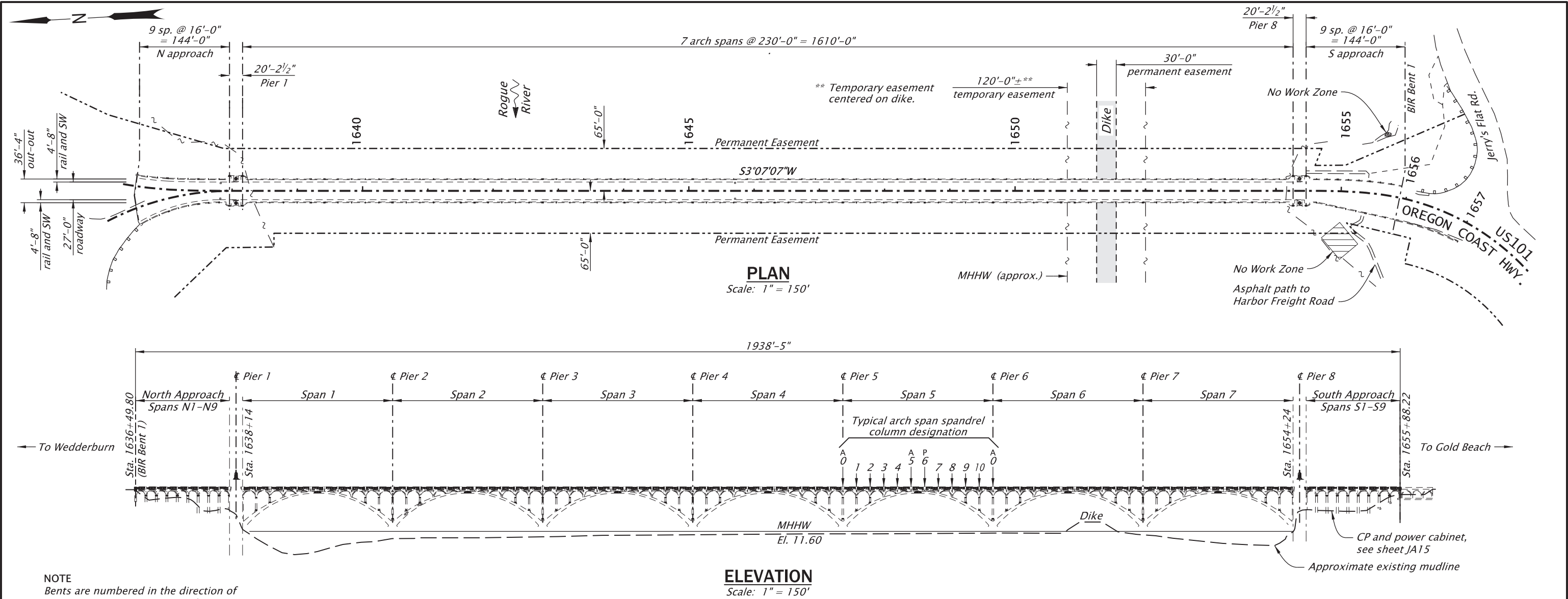
POURED JOINT SEAL AT ROADWAY
Scale: 3"=1'-0"



ASPHALTIC PLUG JOINT SEAL AT ROADWAY
Not To Scale

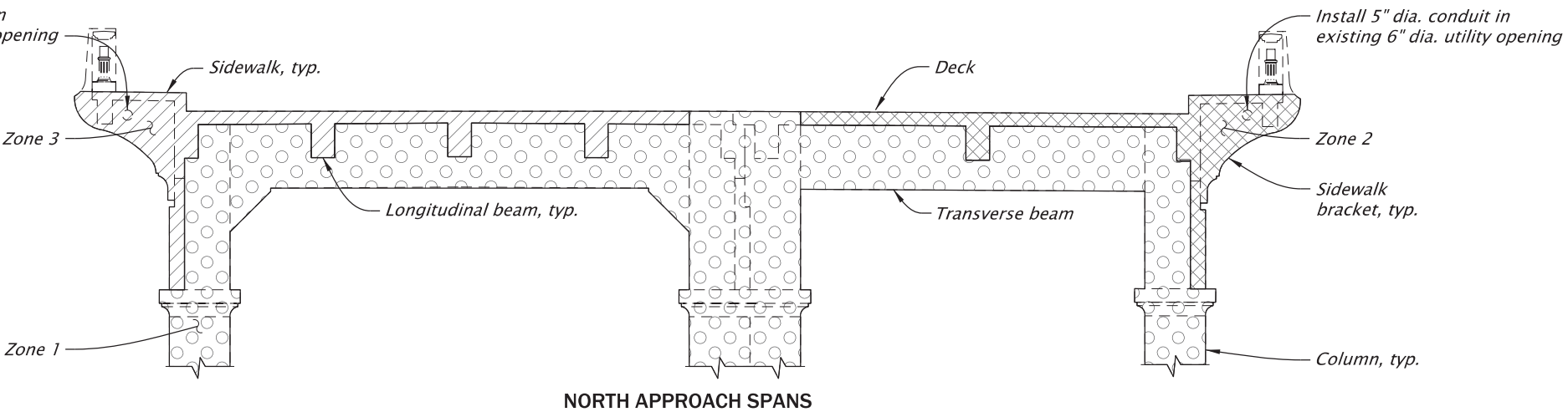
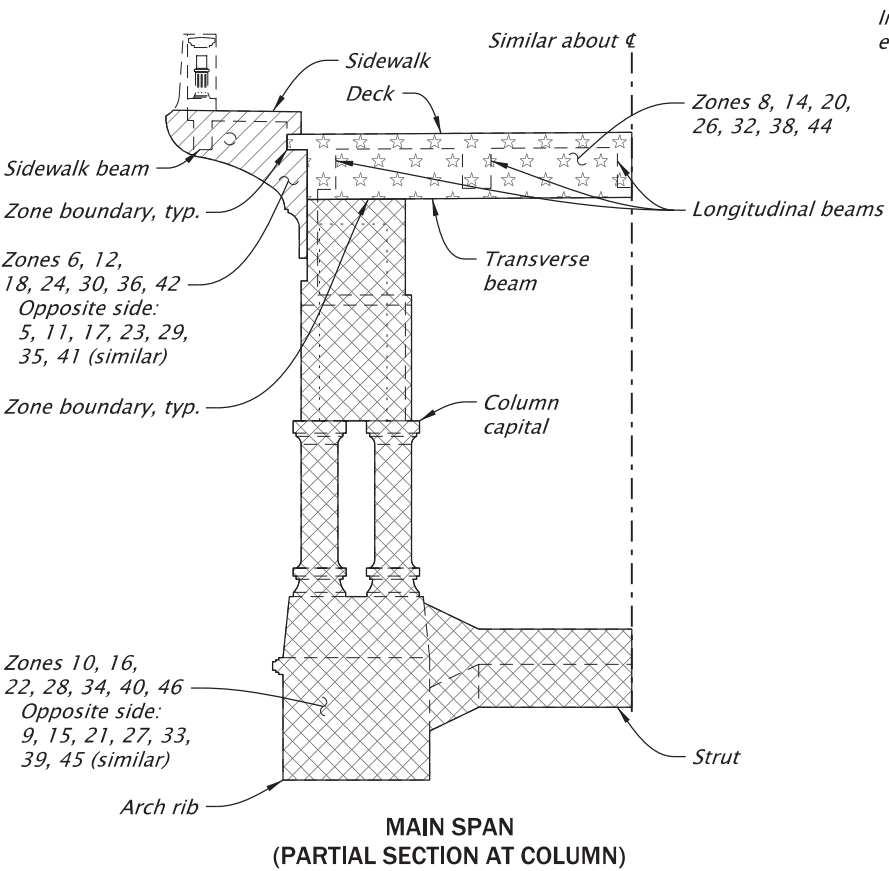
See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111685		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT	
HWY: 009 M.P.: 327.7		OREGON COAST HIGHWAY CURRY COUNTY	
COUNTY Curry		Designer: Mats O. Halvardson, PE	Reviewer: Robert E. Grubbs, PE
DATE May 2026	Renews: 06-30-2027	Drafter: J. Tlman	Checker: Jaime A. Sanchez-Lopez, PE
		MISCELLANEOUS DETAILS	SHEET NO. J13

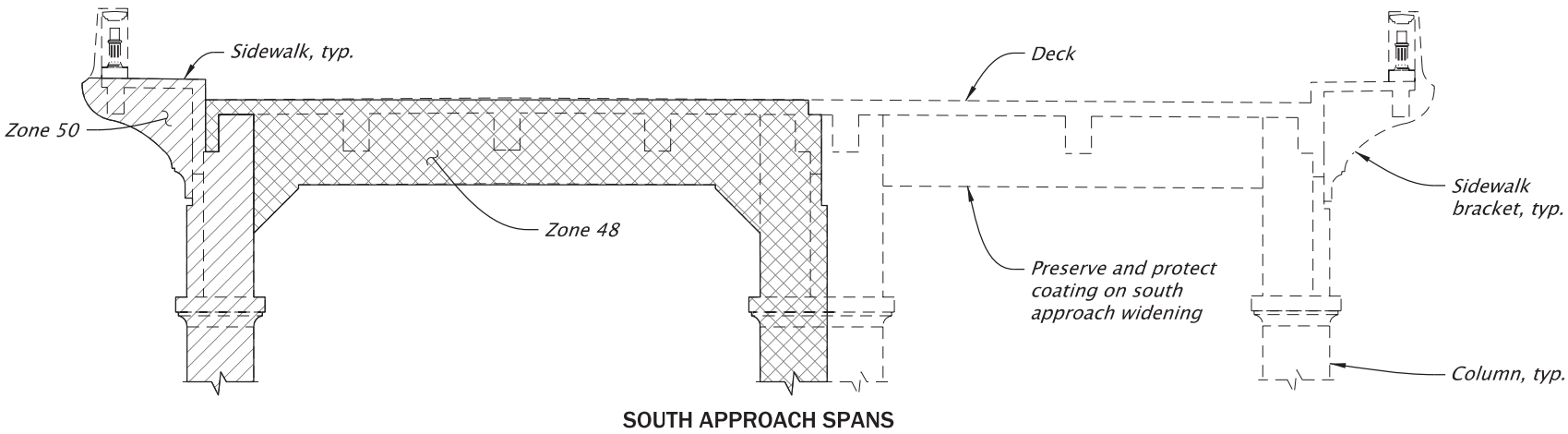


See sheet J01 for Accompanied By Drawings and Informational Drawings.

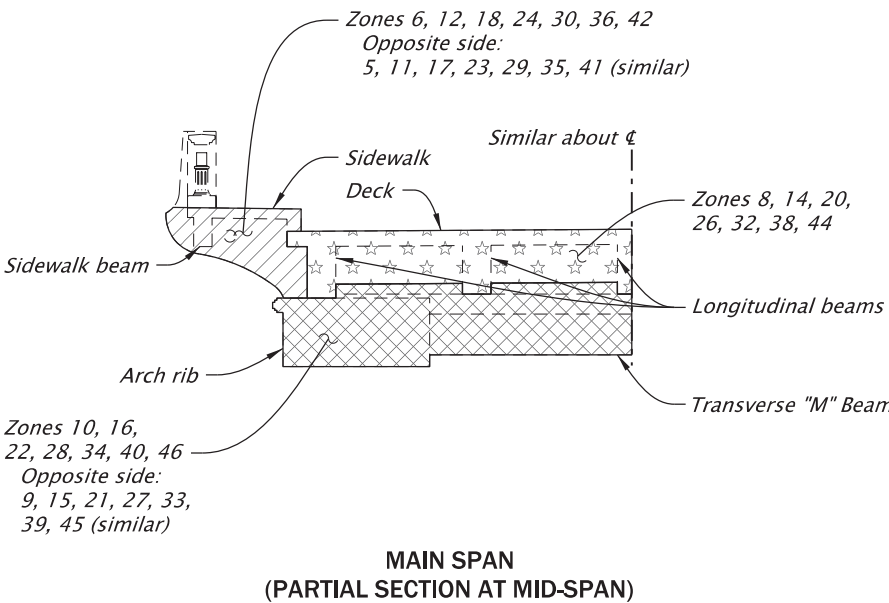
STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111686		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT	
HWY: 009 M.P.: 327.7		OREGON COAST HIGHWAY CURRY COUNTY	
COUNTY Curry		Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
DATE May 2026	Drafter: J. Tilman	Checker: Andrew S. Blower, PE	
CATHODIC PROTECTION PLAN AND ELEVATION		SHEET NO. JA01	



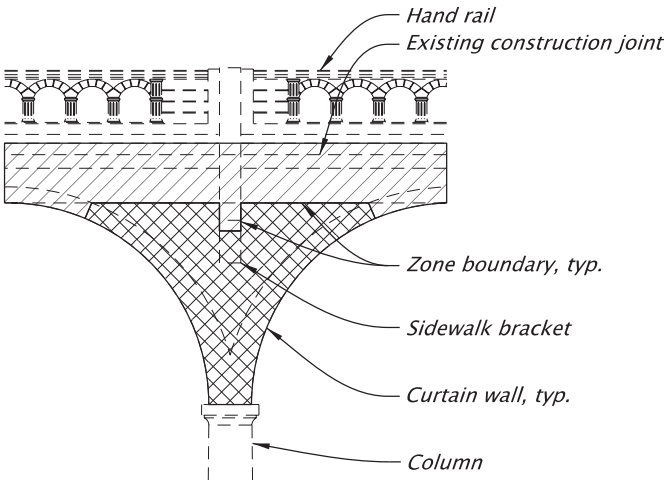
NORTH APPROACH SPANS



SOUTH APPROACH SPANS



MAIN SPAN
(PARTIAL SECTION AT MID-SPAN)



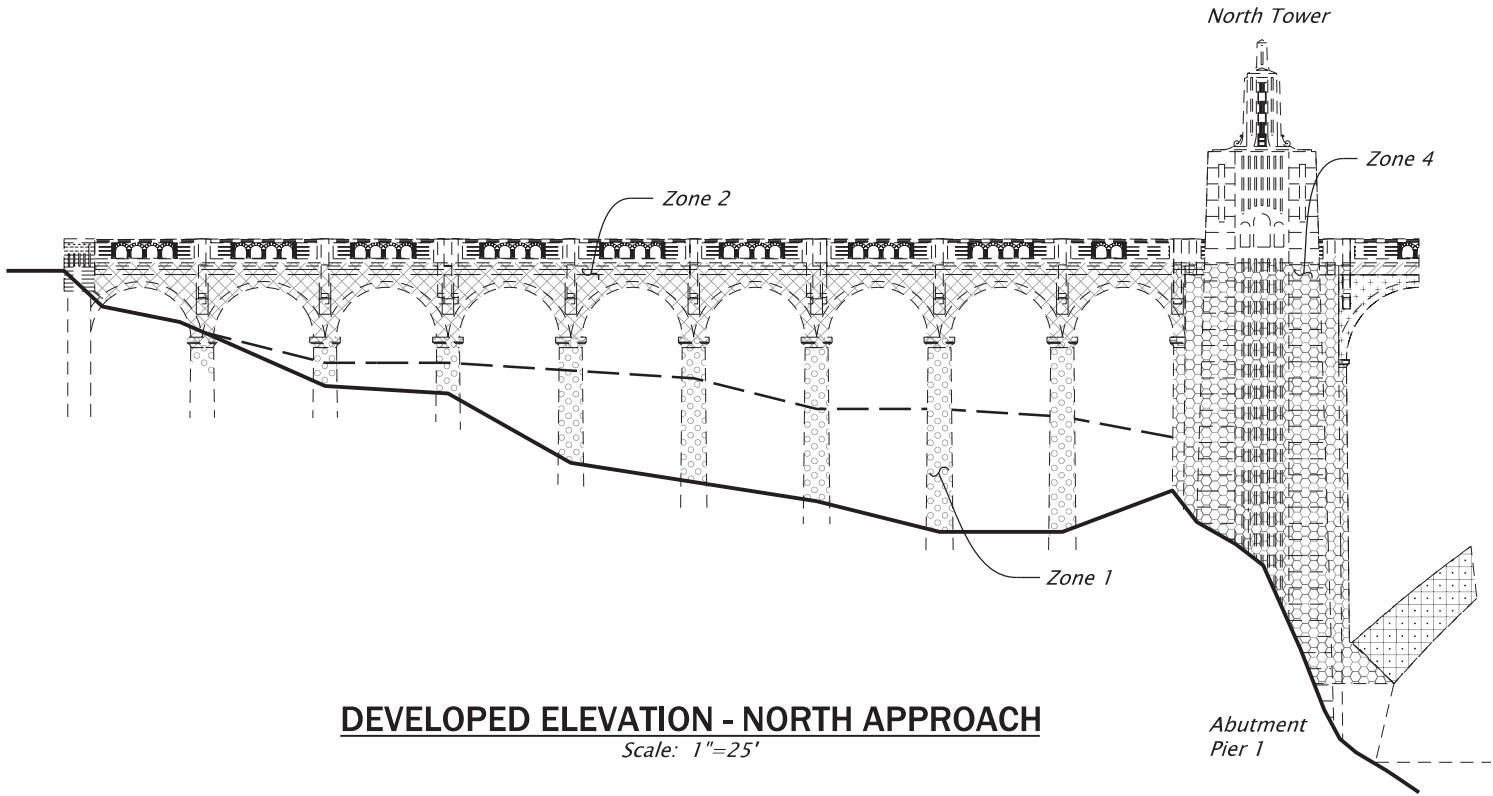
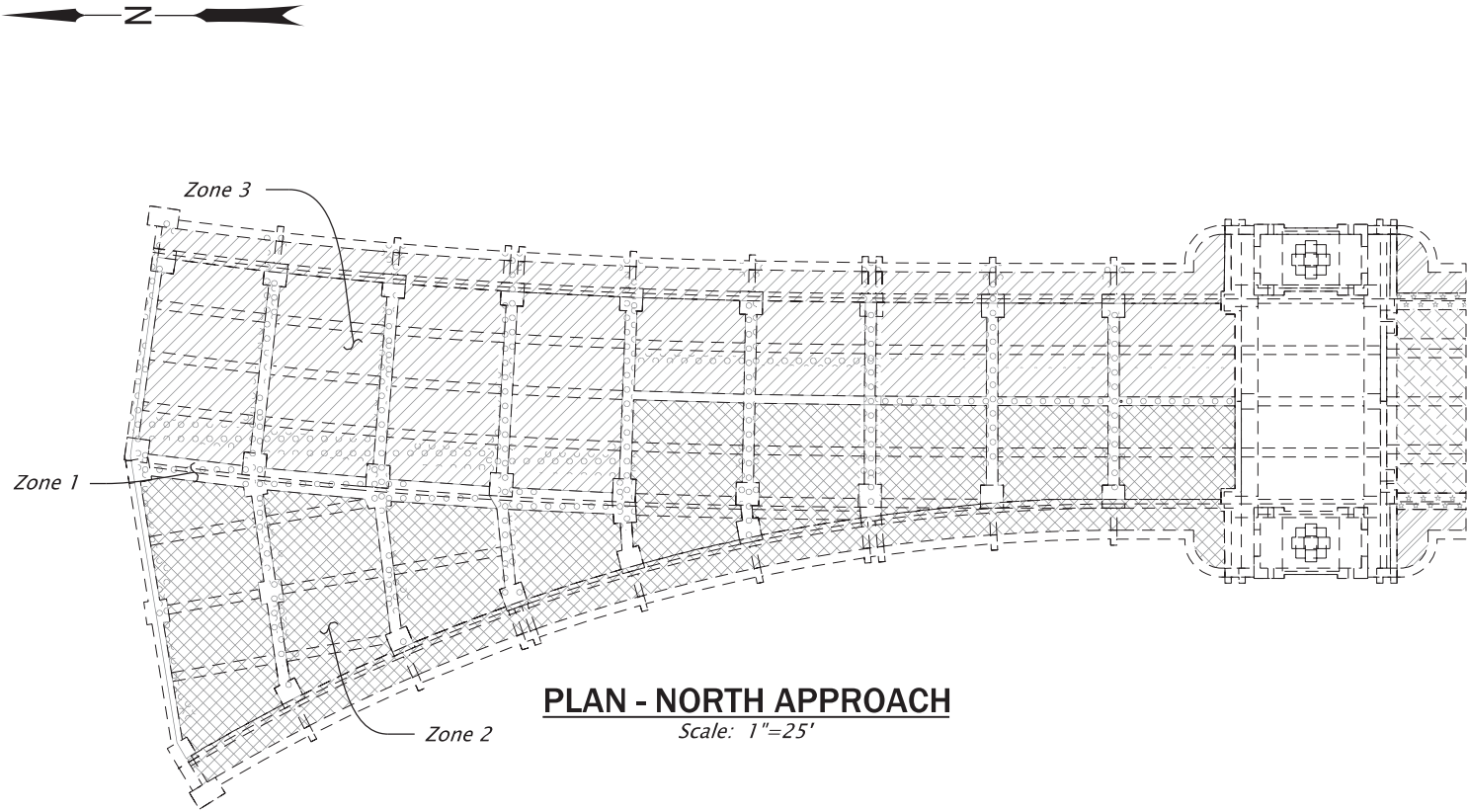
TYPICAL MAIN SPAN ELEVATION

AREA DEFINITIONS
Not To Scale

NOTE:
See sheets JA36 and JA37
for Cathodic Protection
Zone Descriptions.

See sheet J01 for Accompanied By Drawings and Informational Drawings.

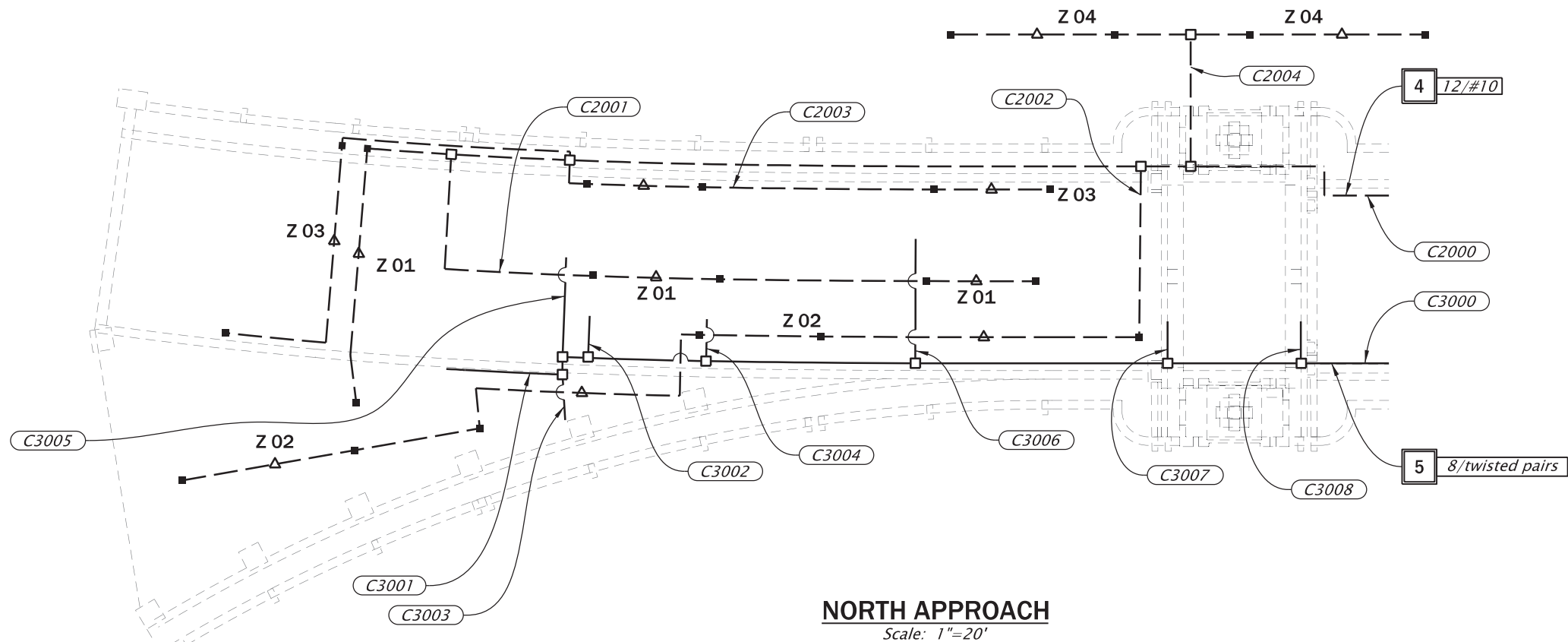
STRUCTURE NO. 01172	 REGISTERED PROFESSIONAL ENGINEER 19,140 DIGITALLY SIGNED 2026.06.29 19:05:29 -07'00' OREGON JULY 15, 1997 RAYMOND DALE BOTTEBERG	OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111687		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY	
HWY: 009 M.P.: 327.7		Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
COUNTY Curry		Drafter: J. Tilman	Checker: Andrew S. Blower, PE
DATE May 2026	RENEWES: 12-31-2027	CATHODIC PROTECTION AREA DEFINITIONS	SHEET NO. JA02



IF THIS MEASURES
1 INCH
THEN DRAWING IS TO SCALE

See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172	REGISTERED PROFESSIONAL ENGINEER 19,140 DIGITALLY SIGNED 2026.06.29 19:08:20 -07'00' OREGON JULY 15, 1997 RAYMOND DALE BOTTEBERG	OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111688		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY	
HWY: 009 M.P.: 327.7		Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
COUNTY Curry		Drafter: J. Tilman	Checker: Andrew S. Blower, PE
DATE May 2026	RENEWES: 12-31-2027	CATHODIC PROTECTION ZONE DEFINITIONS - NORTH APPROACH	SHEET NO. JA03



NOTES

1. All wire to be in rigid PVC conduit except jumpers across expansion joints where electrical non-metallic tubing shall be used. See standard drawing BR520 for details. Conduit expansion fittings shall be used for the main trunk conduits at all expansion joints on the bridge.
2. Location of reference cells in each zone shall be determined by the procedure given in Special Provisions.
3. Conduit shown is schematic and does not represent precise locations of equipment. System negative and reference cell locations are to be determined by the work as defined in the Special Provisions.
4. Conduit to be 3/4" nominal trade size unless otherwise noted.
5. See "K" series sheets for additional conduit installation details for cathodic protection system.

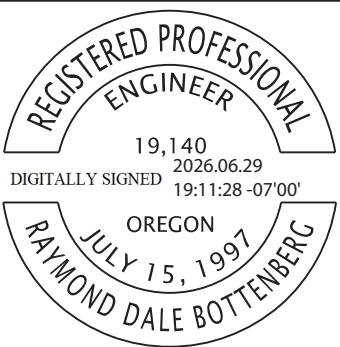
LEGEND

- u E — Conduit for AC power feed, see sheet JA14
- - - - - Conduit for DC power
- — — — — Conduit for reference cell wiring
- PVC or Thermoplastic Junction Box
- Anode connection
- △ Cathode connection
- Z#N Zone numbers N
- ← C#### Conduit number, see sheets JA32 to JA35
- [S] Install "S" size schedule 40 PVC conduit.
- [N/#S] Install electrical conductors in conduit ("N" = number of conductors) ("S" = size of conductors)

IF THIS MEASURES
1 INCH
THEN DRAWING IS TO SCALE

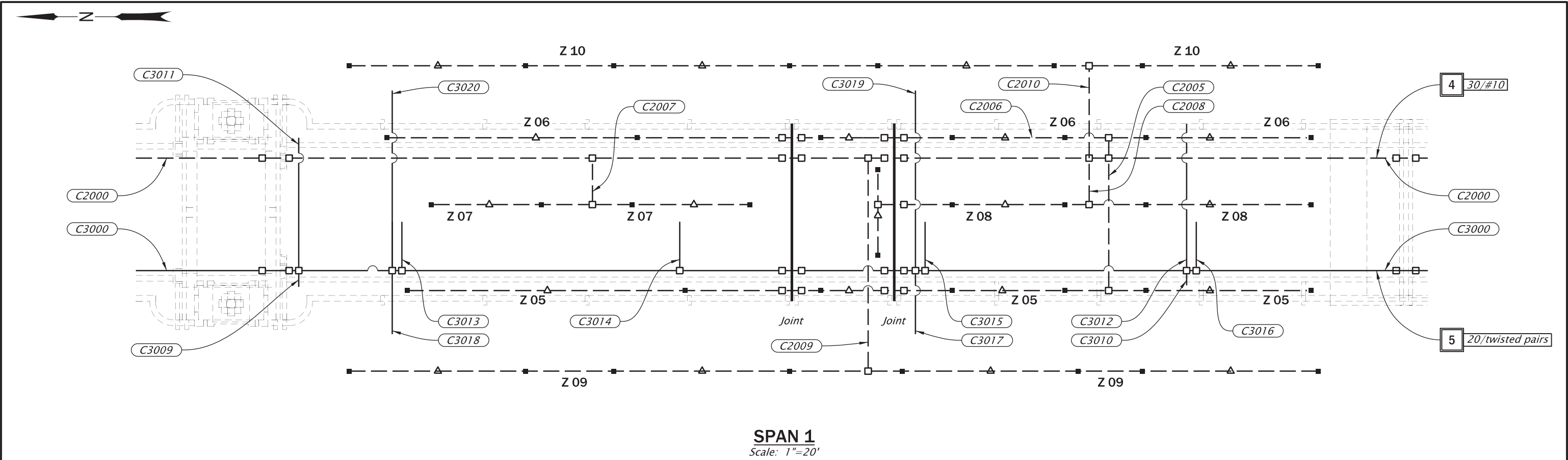
See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO.	01172
BDS DWG NO.	111691
CALC. BOOK	7563
HWY: 009	
M.P.: 327.7	
COUNTY	Curry
DATE	May 2026



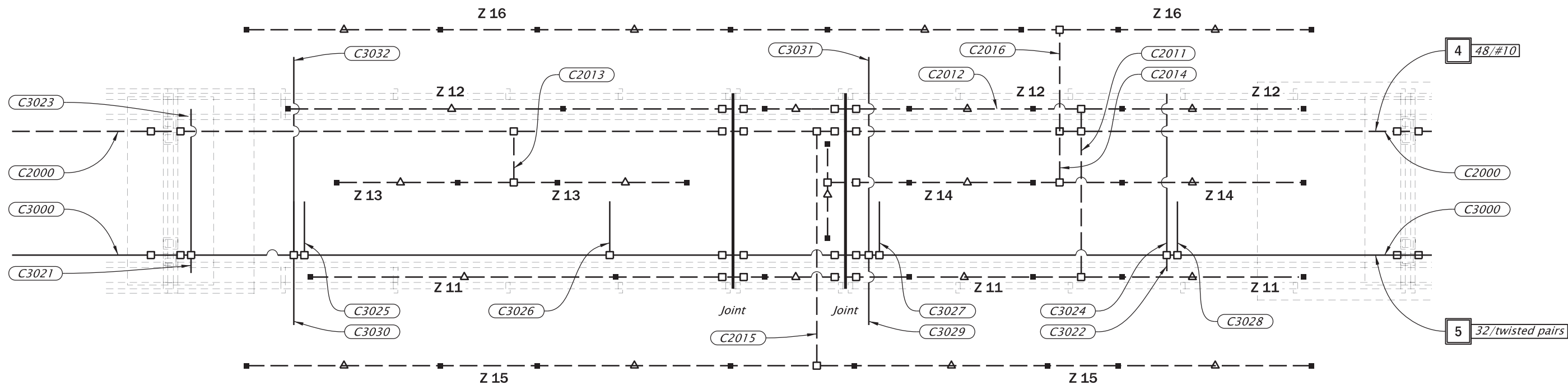
RENEWES: 12-31-2027

OREGON DEPARTMENT OF TRANSPORTATION	
Rogue R_Hwy 9 (Gold Beach)	
US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT	
OREGON COAST HIGHWAY CURRY COUNTY	
Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
Drafter: J. Tilman	Checker: Andrew S. Blower, PE
CATHODIC PROTECTION DC POWER DISTRIBUTION - NORTH APPROACH	SHEET NO. JA06



See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111692		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT	
HWY: 009 M.P.: 327.7		OREGON COAST HIGHWAY CURRY COUNTY	
COUNTY Curry		Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
DATE May 2026	Drafter: J. Tilman	Checker: Andrew S. Blower, PE	
RENEWES: 12-31-2027		CATHODIC PROTECTION DC POWER DISTRIBUTION - SPAN 1	SHEET NO. JA07

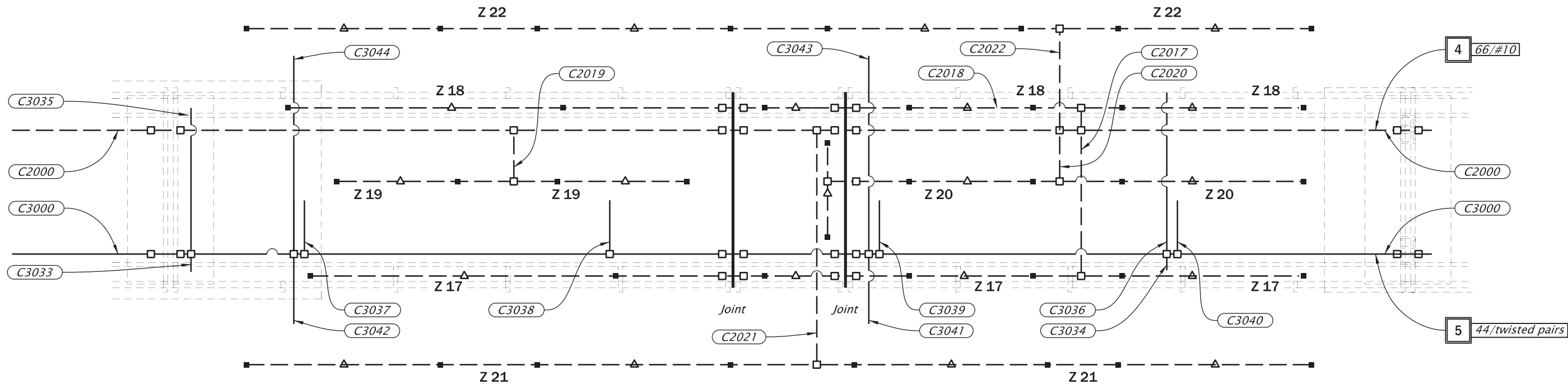


SPAN 2

Scale: 1"=20'

See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111693		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT	
HWY: 009 M.P.: 327.7		OREGON COAST HIGHWAY CURRY COUNTY	
COUNTY Curry		Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
DATE May 2026	Drafter: J. Tilman	Checker: Andrew S. Blower, PE	
RENEWES: 12-31-2027		CATHODIC PROTECTION DC POWER DISTRIBUTION - SPAN 2	SHEET NO. JA08

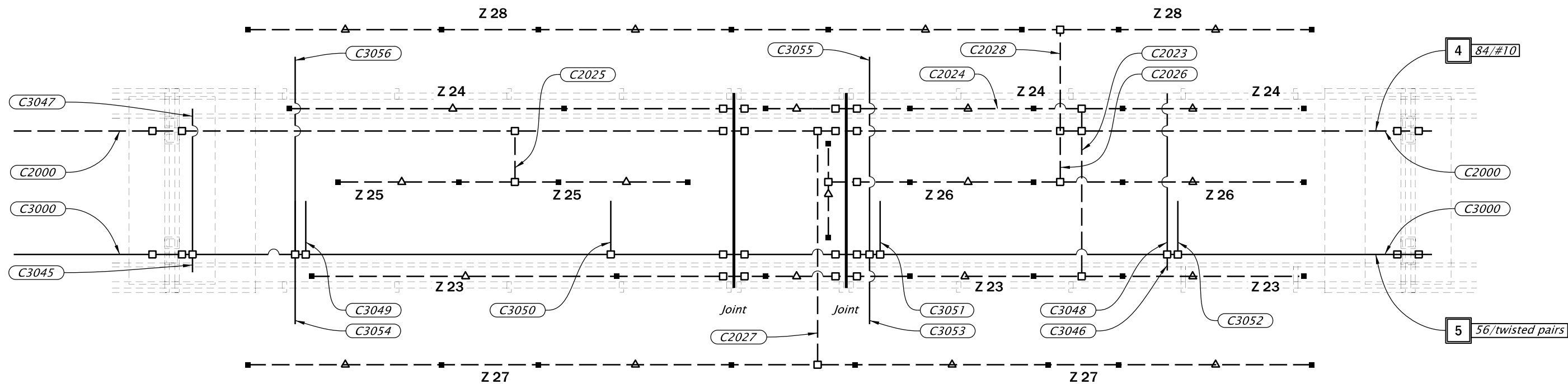


SPAN 3

Scale: 1"=20'

See sheet J01 for Accompanied By Drawings and Informational Drawings.

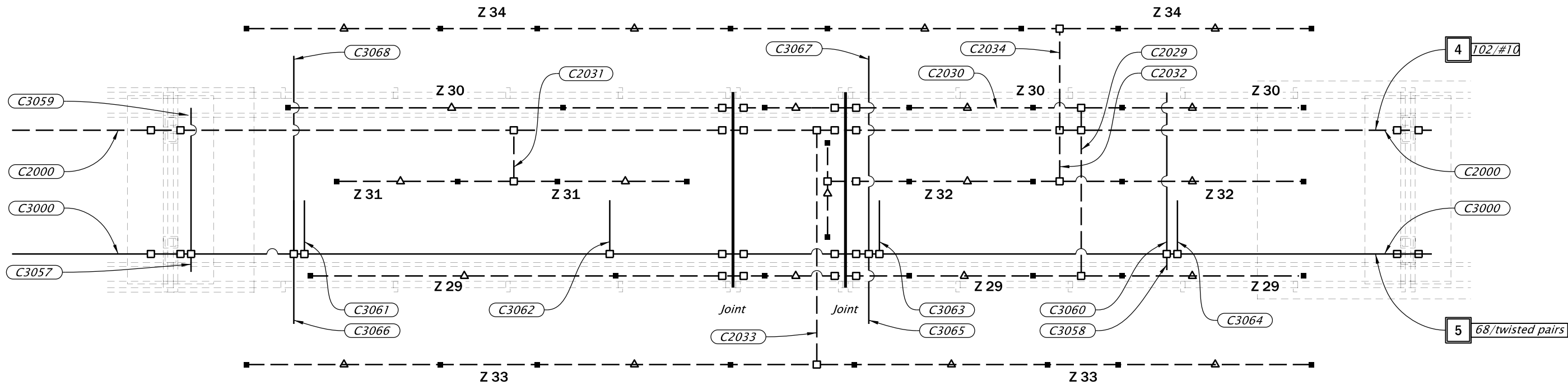
STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111694		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT	
HWY: 009 M.P.: 327.7		OREGON COAST HIGHWAY CURRY COUNTY	
COUNTY Curry		Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
DATE May 2026	Drafter: J. Tilman	Checker: Andrew S. Blower, PE	
CATHODIC PROTECTION DC POWER DISTRIBUTION - SPAN 3		SHEET NO. JA09	



SPAN 4
Scale: 1"=20'

See sheet J01 for Accompanied By Drawings and Informational Drawings.

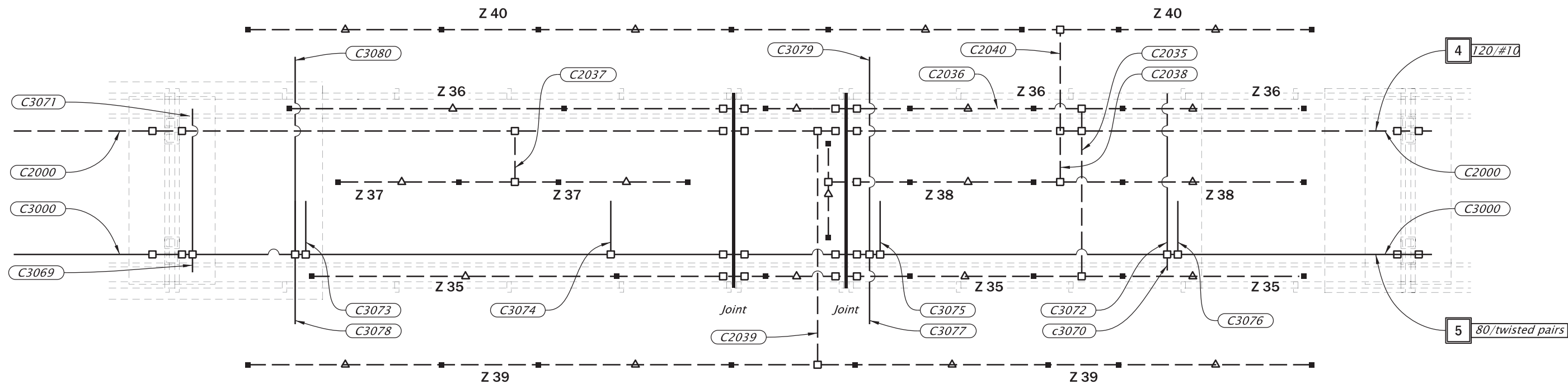
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BDS DWG NO. 111695		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT	
HWY: 009 M.P.: 327.7		OREGON COAST HIGHWAY CURRY COUNTY	
COUNTY Curry		Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
DATE May 2026	Drafter: J. Tilman	Checker: Andrew S. Blower, PE	
RENEWES: 12-31-2027		CATHODIC PROTECTION DC POWER DISTRIBUTION - SPAN 4	SHEET NO. JA10



SPAN 5
Scale: 1"=20'

See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111696		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT	
HWY: 009 M.P.: 327.7		OREGON COAST HIGHWAY CURRY COUNTY	
COUNTY Curry		Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
DATE May 2026	Drafter: J. Tilman	Checker: Andrew S. Blower, PE	
RENEWES: 12-31-2027		CATHODIC PROTECTION DC POWER DISTRIBUTION - SPAN 5	SHEET NO. JA11



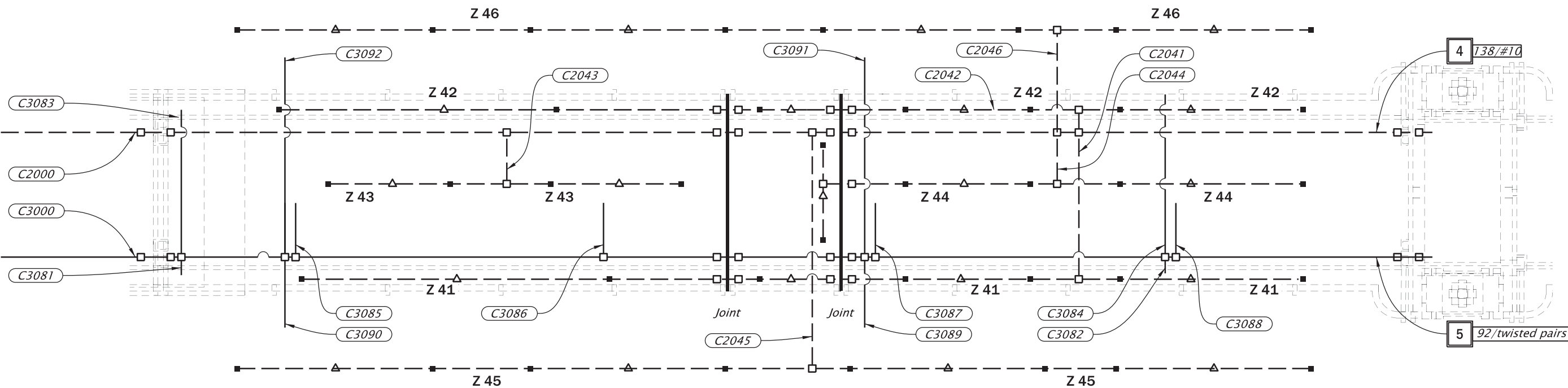
SPAN 6

Scale: 1"=20'

IF THIS MEASURES
1 INCH
THEN DRAWING IS TO SCALE

See sheet J01 for Accompanied By Drawings and Informational Drawings.

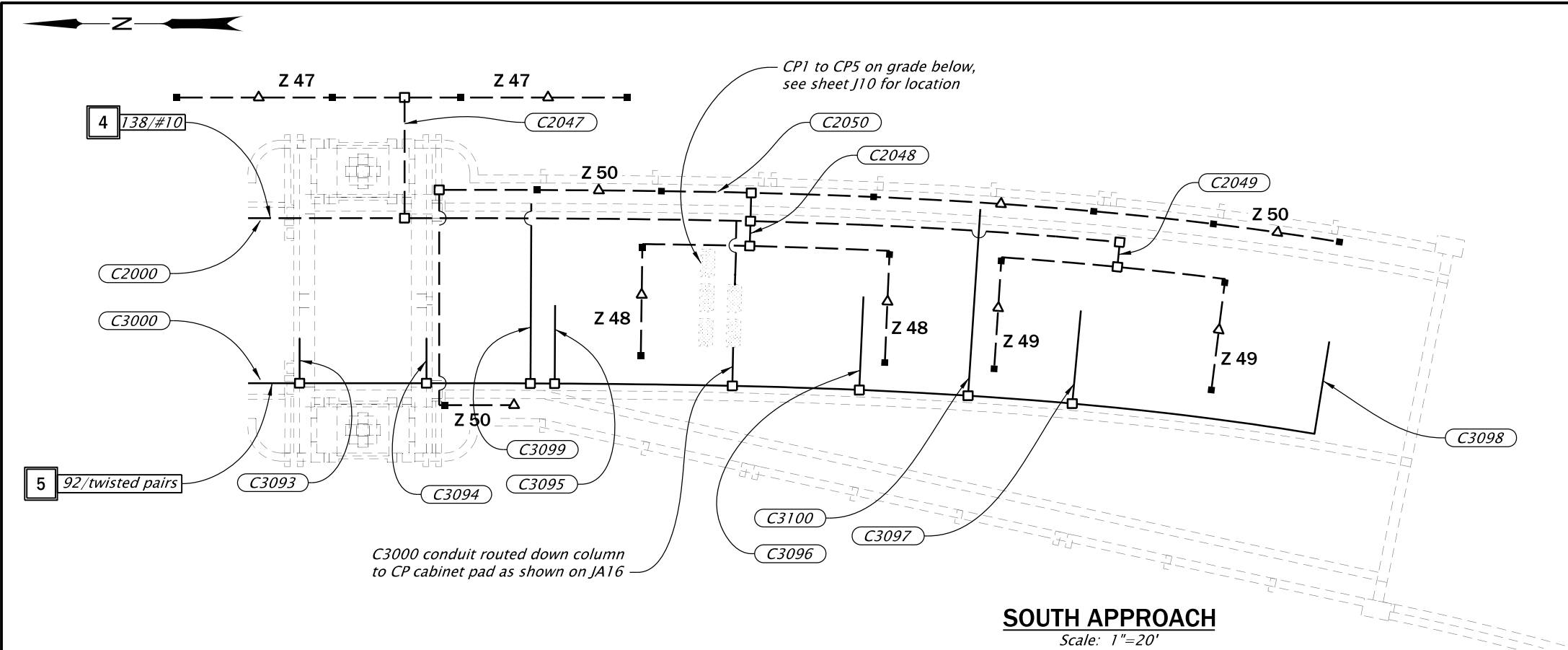
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BDS DWG NO. 111697		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT	
HWY: 009 M.P.: 327.7		OREGON COAST HIGHWAY CURRY COUNTY	
COUNTY Curry		Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
DATE May 2026	Drafter: J. Tilman	Checker: Andrew S. Blower, PE	
RENEWES: 12-31-2027		CATHODIC PROTECTION DC POWER DISTRIBUTION - SPAN 6	SHEET NO. JA12



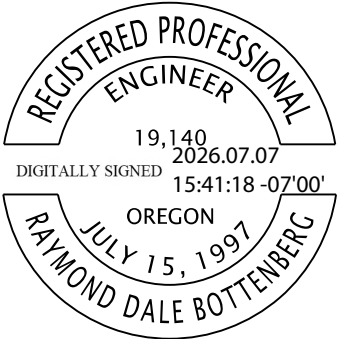
SPAN 7
Scale: 1"=20'

See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111698		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY	
HWY: 009 M.P.: 327.7		Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
COUNTY Curry		Drafter: J. Tilman	Checker: Andrew S. Blower, PE
DATE May 2026	RENEWES: 12-31-2027	CATHODIC PROTECTION DC POWER DISTRIBUTION - SPAN 7	SHEET NO. JA13



See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111699		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT	
HWY: 009 M.P.: 327.7		OREGON COAST HIGHWAY CURRY COUNTY	
COUNTY Curry		Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
DATE May 2026	Drafter: J. Tiltman	Checker: Andrew S. Blower, PE	
RENEWES: 12-31-2027		CATHODIC PROTECTION DC POWER DISTRIBUTION - SOUTH APPROACH	SHEET NO. JA14

Bidding Plans

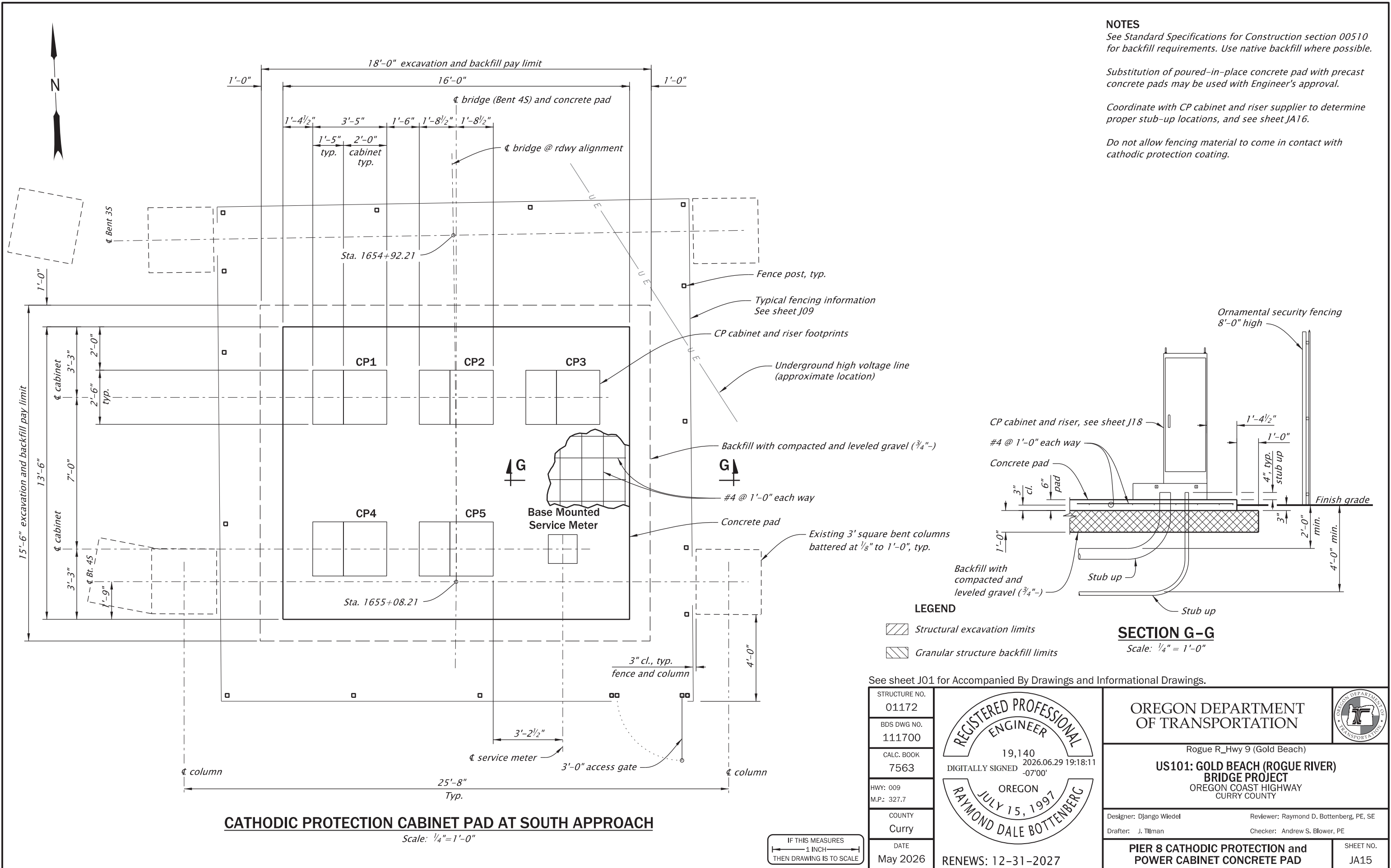
NOTES

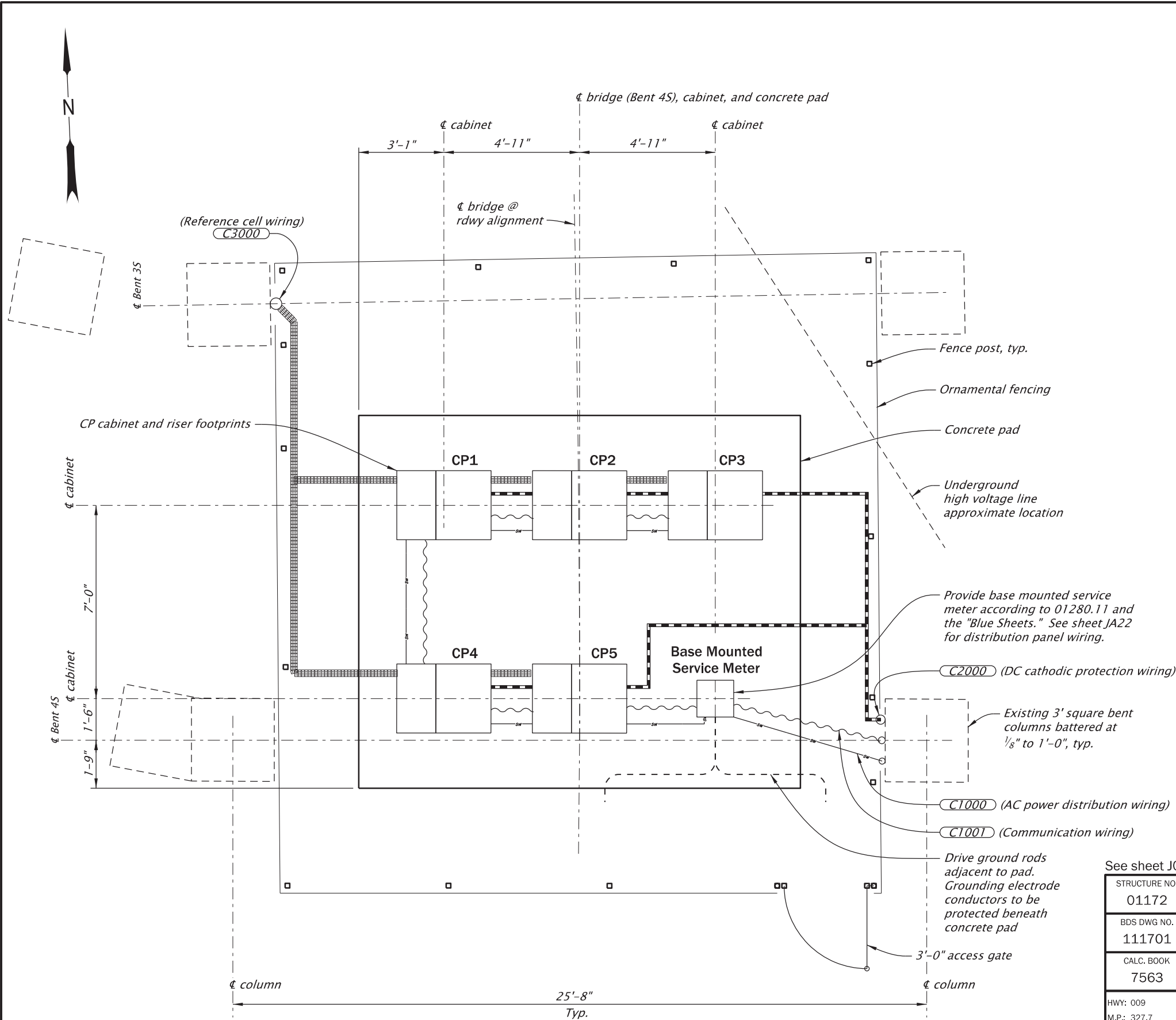
See Standard Specifications for Construction section 00510 for backfill requirements. Use native backfill where possible.

Substitution of poured-in-place concrete pad with precast concrete pads may be used with Engineer's approval.

Coordinate with CP cabinet and riser supplier to determine proper stub-up locations, and see sheet JA16.

Do not allow fencing material to come in contact with cathodic protection coating.





CATHODIC PROTECTION CABINET PAD AND CONDUIT DETAIL AT PIER 8

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

NOTES

Coordinate with CP cabinet and riser supplier to determine proper stub-up locations.

Coordinate lock-out-tag-out of ODOT owned facilities with the Engineer and ODOT electricians.

Use standard 90s to transition C1000 and C1001 from Bent 4S East column surface mounted electrical gutters to trenches and then again to terminate at Base Mounted Service Meter. Replace unused circuit breakers with approved circuit breaker in surface mounted distribution cabinet as directed and install cathodic protection branch circuit conductors according to conduit schedules and specifications.

Use standard 90s to transition C2000 from trench to Bent 4S East column surface mounted electrical gutter and C3000 from trench to Bent 4S West column surface mounted electrical gutter. Run these conduits vertically using approved single hole surface mounted straps. Field bend with heating blankets to follow profile of bent wall. Surface mount junction boxes or utilize conduit bodies to transition to horizontal run at an elevation just below girders and pipe to overhang bracket utility hole suspended conduit runs according to standard drawing BR520.

Verify existing cathodic protection equipment with the Engineer and remove according 00501.

Trench and install C2000 and C3000 with minimum 18" cover. Use factory 90s for stub ups and transition to column wall surface. Provide 316 stainless steel channel strut and clamps for vertical conduit, typical.

Trench and stall C2000, C3000, C1000, and C1001. Provide 18" minimum top cover and 6" minimum separation between C1000, C1001, and C2000. Backfill and bury marking tape according to specifications.

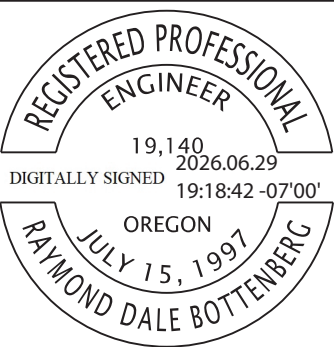
Interconnect all CP cabinet risers with stub up detail according to plans in a daisy-chain fashion. Interconnect using conduit sizes according to conduit schedule. Provide C1000 stub-up to meter cabinet to complete AC branch circuits. Provide as much physical separation from branch circuit and DC cathodic protection wiring as possible.

See Intelligent Transportation Systems (ITS) KA series sheets for C1000 and C1001 routing, and KB series sheets for power source information.

- KEY
- AC power distribution wiring
 - Communication wiring
 - DC cathodic protection wiring
 - Reference cell wiring

See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO.	01172
BDS DWG NO.	111701
CALC. BOOK	7563
HWY: 009	
M.P.: 327.7	
COUNTY	Curry
DATE	May 2026



RENEW: 12-31-2027

OREGON DEPARTMENT OF TRANSPORTATION

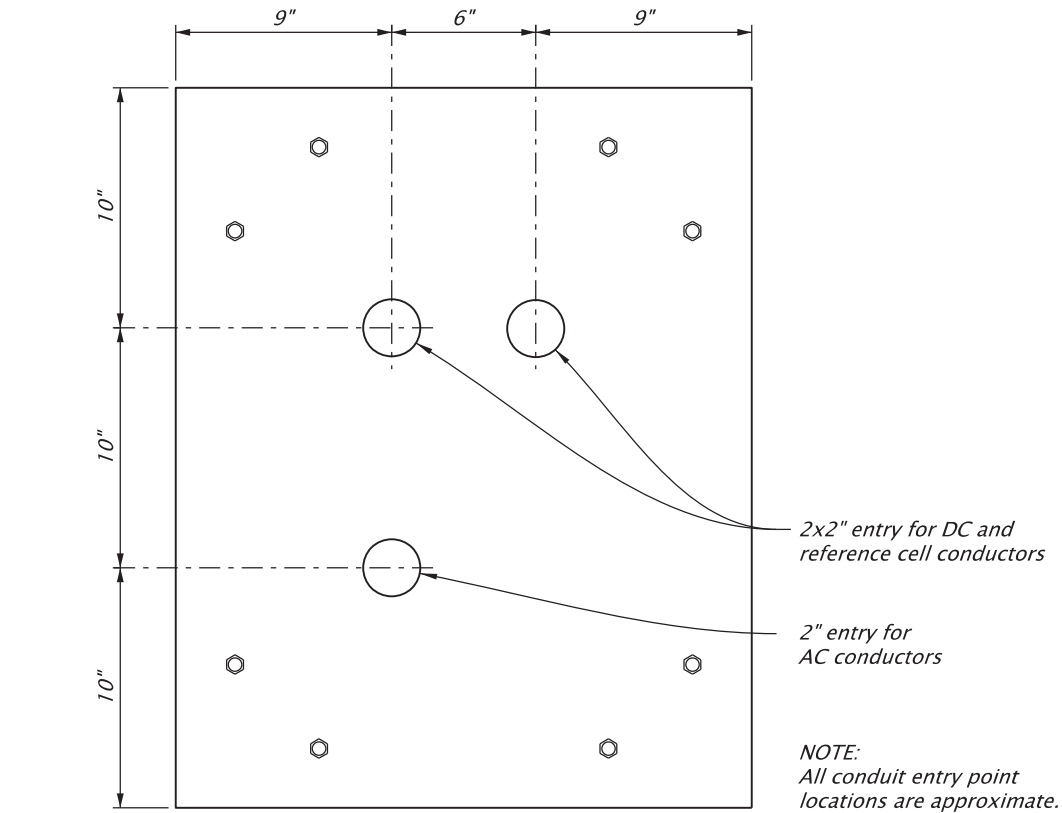
Rogue R_Hwy 9 (Gold Beach)

US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT
OREGON COAST HIGHWAY
CURRY COUNTY

Designer: Django Wiedel
Reviewer: Raymond D. Bottenberg, PE, SE
Drafter: J. Tilman
Checker: Andrew S. Blower, PE

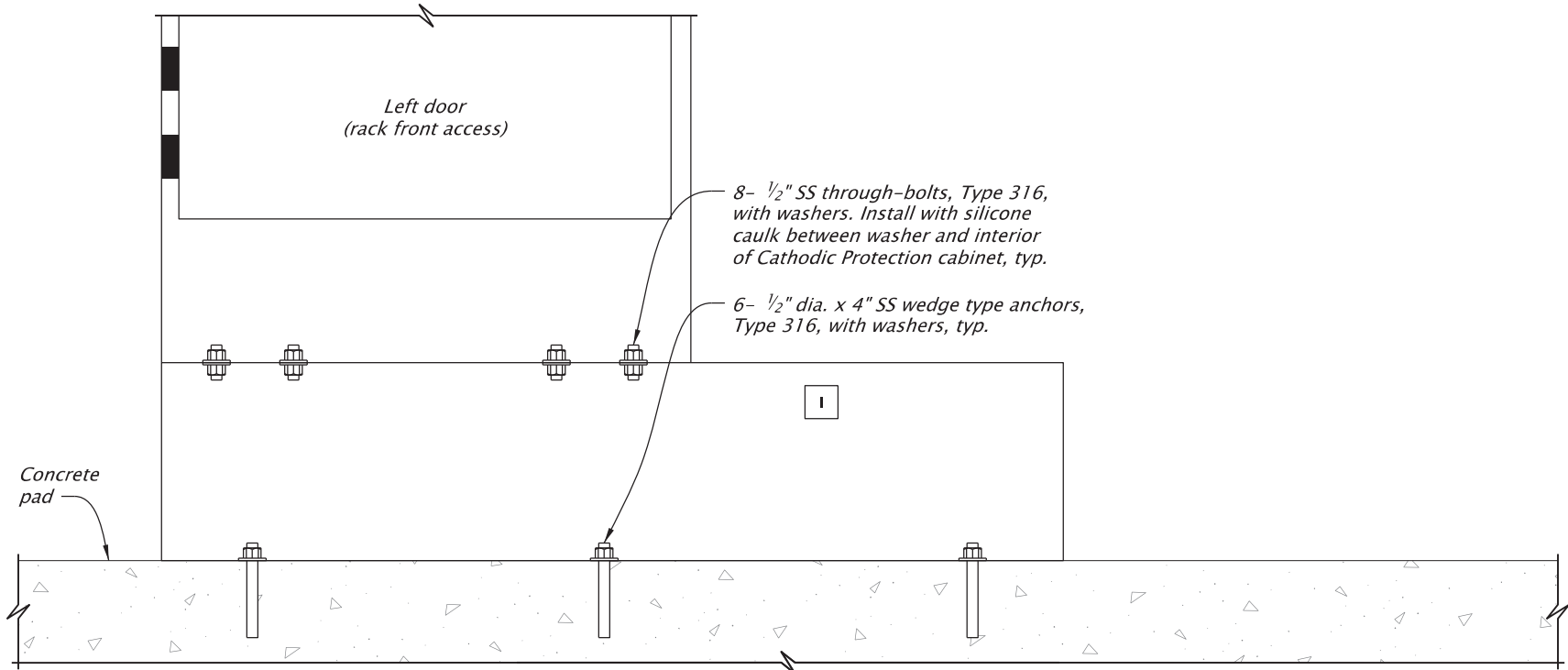
PIER 8 CATHODIC PROTECTION and POWER CABINET CONDUIT LAYOUT

SHEET NO.
JA16



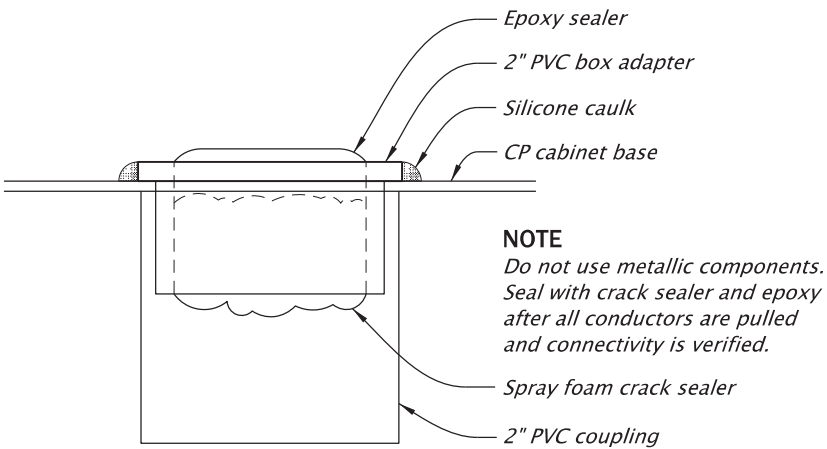
CATHODIC PROTECTION CABINET CONDUIT ENTRY POINTS
Not To Scale

NOTE
Torque all bolts and fasteners
to manufacturer's specifications.

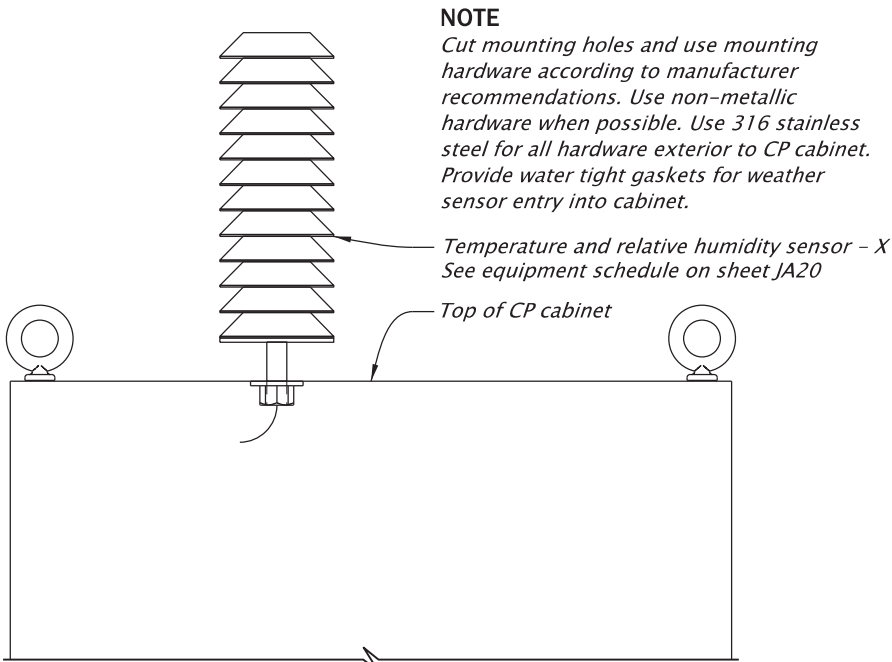


CATHODIC PROTECTION CABINET MOUNT
Not To Scale

IF THIS MEASURES
1 INCH
THEN DRAWING IS TO SCALE



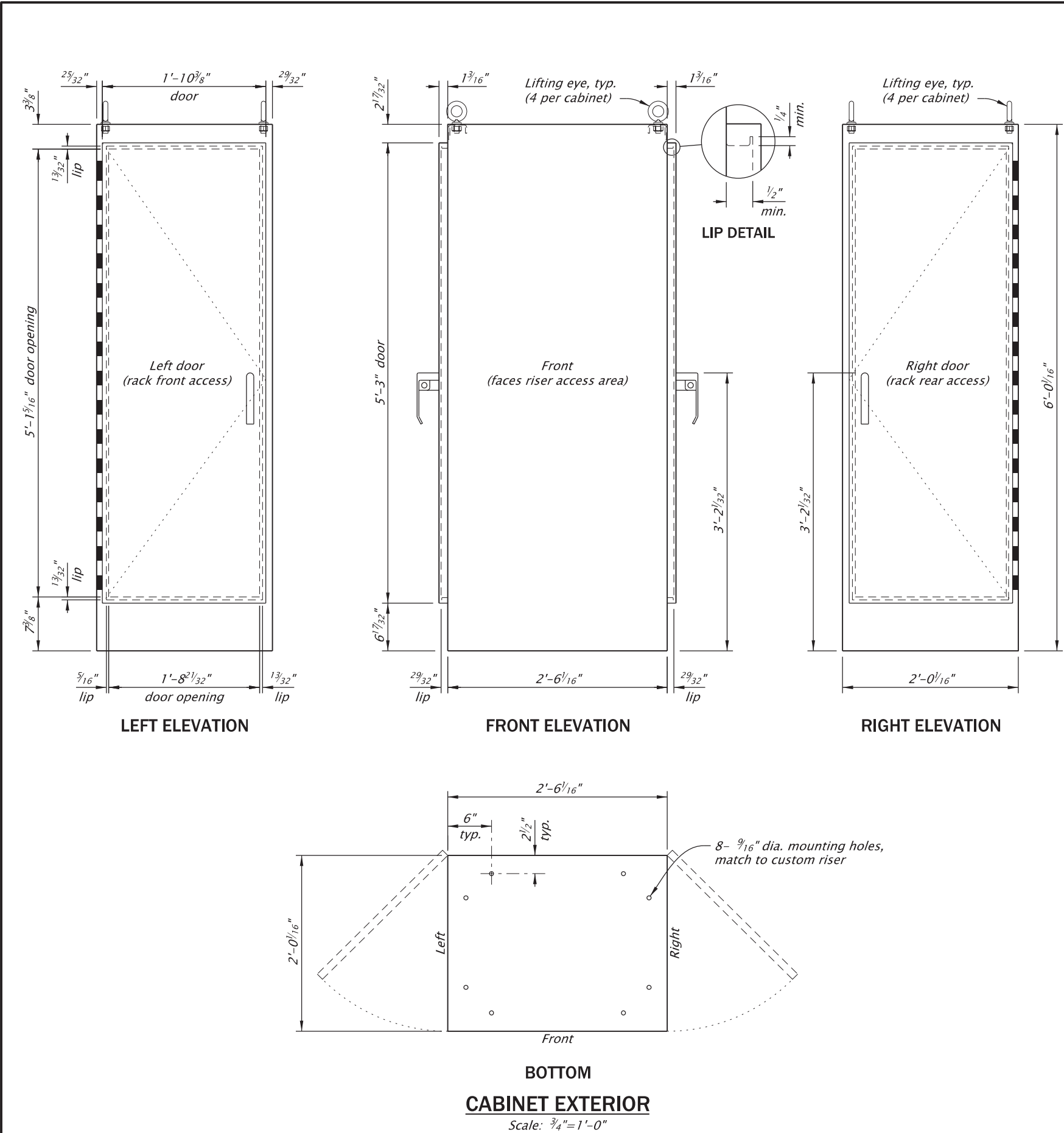
CATHODIC PROTECTION CABINET CONDUIT ENTRY
Not To Scale



ANTENNA & WEATHER SENSOR MOUNT
Not To Scale

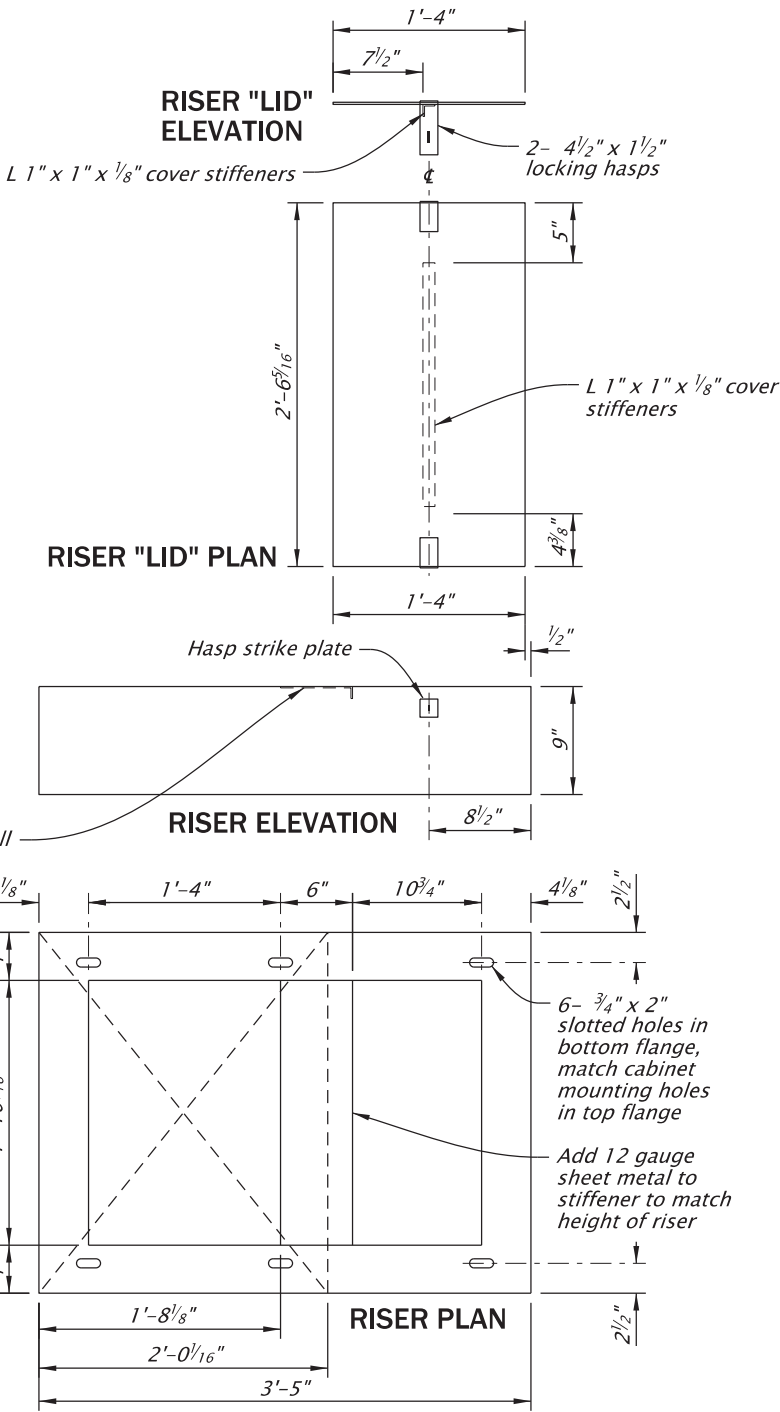
See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172	REGISTERED PROFESSIONAL ENGINEER 19,140 DIGITALLY SIGNED 2026.06.29 19:19:17 -07'00' OREGON JULY 15, 1997 RAYMOND DALE BOTTENBERG	OREGON DEPARTMENT OF TRANSPORTATION			
BDS DWG NO. 111702		Rogue R_Hwy 9 (Gold Beach)			
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY			
HWY: 009 M.P.: 327.7		Designer: Django Wiedel		Reviewer: Raymond D. Bottenberg, PE, SE	
COUNTY Curry	RENEWS: 12-31-2027	Drafter: J. Tilman		Checker: Andrew S. Blower, PE	
DATE May 2026		CATHODIC PROTECTION CABINET AND RISER INSTALLATION DETAILS			SHEET NO. JA17



- NOTES**
1. Cabinet dimensions based on existing offering from a major electrical cabinet supplier. Acceptable tolerances for custom built or commercially available equivalent cabinets is within 1/2" of all major dimensions. Adjust riser dimensions to support cabinet dimensions. A lip must be continuous around the door openings to provide a good seal.
 2. See section 1285.10 in special provisions for cabinet and riser construction details.
 3. Ship riser and cabinet separately.
 4. Hasp locations shown are approximate, match eyes for close fit.

L 6" x 1" x 1/8" x 4" long bent plate stiffener under cabinet wall

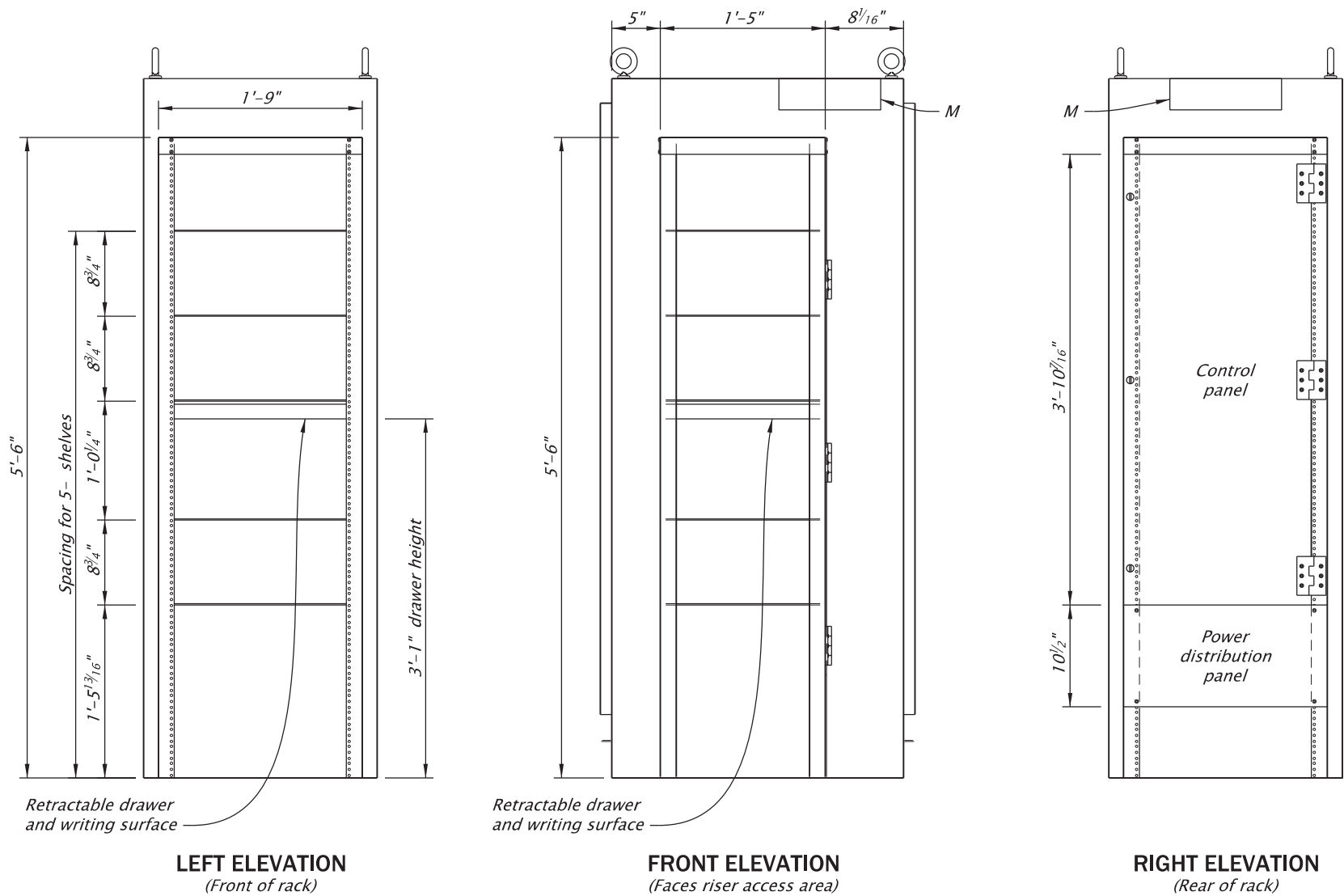


RISER DETAILS

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

See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111703		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT	
HWY: 009 M.P.: 327.7		OREGON COAST HIGHWAY CURRY COUNTY	
COUNTY Curry		Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
DATE May 2026	RENEW: 12-31-2027	Drafter: J. Tilman	Checker: Andrew S. Blower, PE
		CATHODIC PROTECTION TYPICAL CABINET and RISER DETAILS	SHEET NO. JA18



- NOTES**
- 1. Fasten 19" rack to bottom of cabinet. Center rack in door openings.
 - 2. Fasten the power distribution panel in place.
 - 3. Hinge control panel to open in same direction as right door.

CATHODIC PROTECTION EQUIPMENT RACK
Scale: 3/4"=1'-0"

See sheet J01 for Accompanied By Drawings and Informational Drawings.

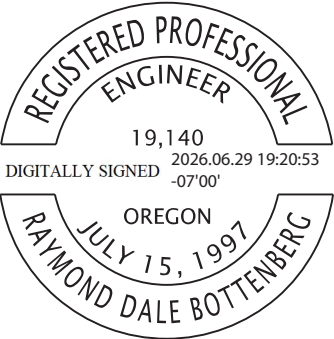
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BDS DWG NO. 111704		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT	
HWY: 009 M.P.: 327.7		OREGON COAST HIGHWAY CURRY COUNTY	
COUNTY Curry		Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
DATE May 2026		Drafter: J. Tilman	Checker: Andrew S. Blower, PE
		CATHODIC PROTECTION TYPICAL EQUIPMENT RACK DETAILS	SHEET NO. JA19

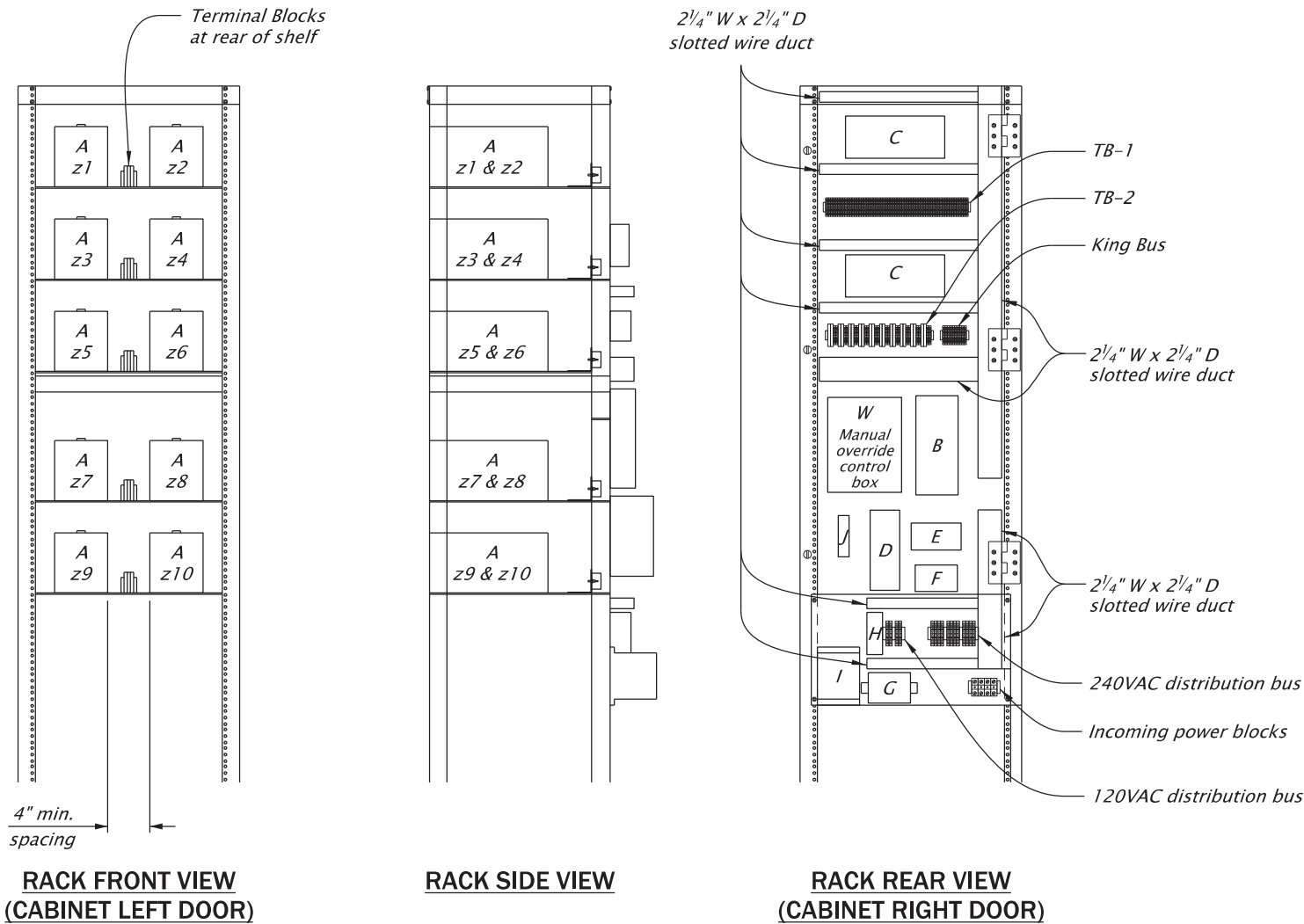
CATHODIC PROTECTION CABINET ELECTRONIC EQUIPMENT SCHEDULE		
ITEM	DESCRIPTION	QUANTITY
A	Power supply – DC, adjustable output	50
B	Campbell Scientific, Inc. CR1000X datalogger	5
C	Campbell Scientific, Inc. AM 16/32B multiplexer	10
D	Campbell Scientific, Inc. PS 150 power supply w/battery backup (Requires 18 VAC input from approved wall charger OR approved stand alone transformer)	5
E	12 VDC high–efficiency switching type power supply	5
F	GFI duplex receptacle – 20 amp	5
G	Surge suppressor	5
H	Circuit breaker – 20 amp, d–trip	5
I	Heater – 200 watt	5
J	Campbell Scientific, Inc. MD485	5
K	Shunt resistor – 0.01 ohm	50
L	Diode – 1N3881.DO–4 package (Requires manufacturer recommended isolating mount kit)	50
M	Light fixture	5
N	Toggle switch – single pole, double throw (SPDT)	5
O	Toggle switch – double pole, double throw (DPDT)	5
P	Diode – 1N4004	10
Q	Solid state relay	5
R	Diode – 1N4937	10
S	Relay – six pole, double throw (6PDT), direct current activation (This item may not be required. See section 01285.17 in the special provisions)	5
T	Yellow light emitting diode (LED) (Requires resistor to bias properly for 12 VDC)	5
U	Red light emitting diode (LED) (Requires resistor to bias properly for 5 VDC)	5
V	Green light emitting diode (LED) (Requires resistor to bias properly for 12 VDC)	5
W	Enclosure for control box electronics	5

ADDITIONAL EQUIPMENT		
X	Campbell Scientific, Inc. HMP 155A–L temperature/relative humidity sensor with manufacturer supplied shielded sensor cable, 10 gill radiation shield and Teflon filter	1
Y	Sierra Wireless RV50 4G LTE Gateway	1
Z	Campbell Scientific, Inc. 4G Omni 2dBd antenna, mounting kit, connectors/cables, and surge suppression kit	1 each

NOTE
This sheet is provided for reference purposes only. Any design specifications called out in these plans are superceded by the specifications and special provisions. Refer to the specifications before submittals and ordering of equipment/fabrication.

See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION		
BDS DWG NO. 111705		Rogue R_Hwy 9 (Gold Beach) US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY		
CALC. BOOK 7563		Designer: Django Wiedel Reviewer: Raymond D. Bottenberg, PE, SE		
HWY: 009 M.P.: 327.7		Drafter: J. Tilman Checker: Andrew S. Blower, PE		
COUNTY Curry		CATHODIC PROTECTION CABINET EQUIPMENT SCHEDULE		SHEET NO. JA20
DATE May 2026	RENEWES: 12-31-2027			

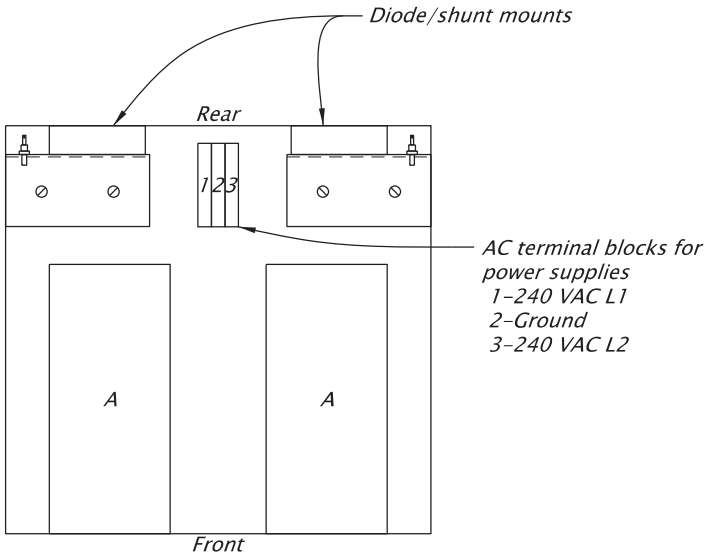


ELECTRONIC EQUIPMENT MOUNTING DETAILS

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

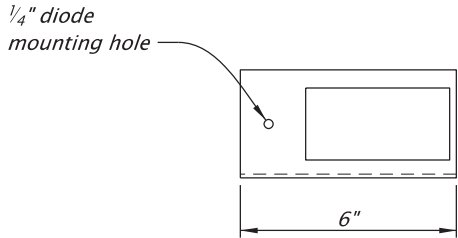
CABINET SCHEDULE					
Cabinet	CP1	CP2	CP3	CP4	CP5
Zones	1 through 10	11 through 20	21 through 30	31 through 40	41 through 50

- NOTES**
- Typical power supply layout for cabinet CP1 is shown.
 - Follow the cabinet schedule and populate subsequent cabinets in similar order.
 - Construct diode and shunt mount from thermally conductive material.
 - See 01285 in the special provisions for equipment requirements.

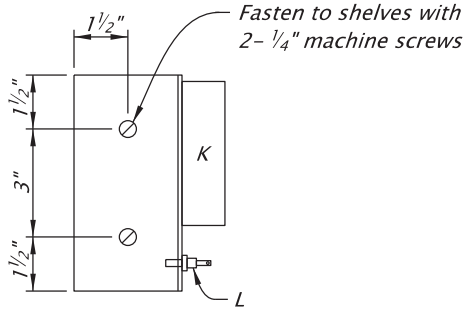


SHELF LAYOUT (TOP VIEW)

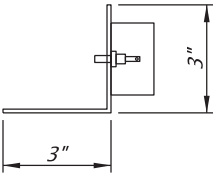
Not To Scale



FRONT (RACK REAR)



TOP



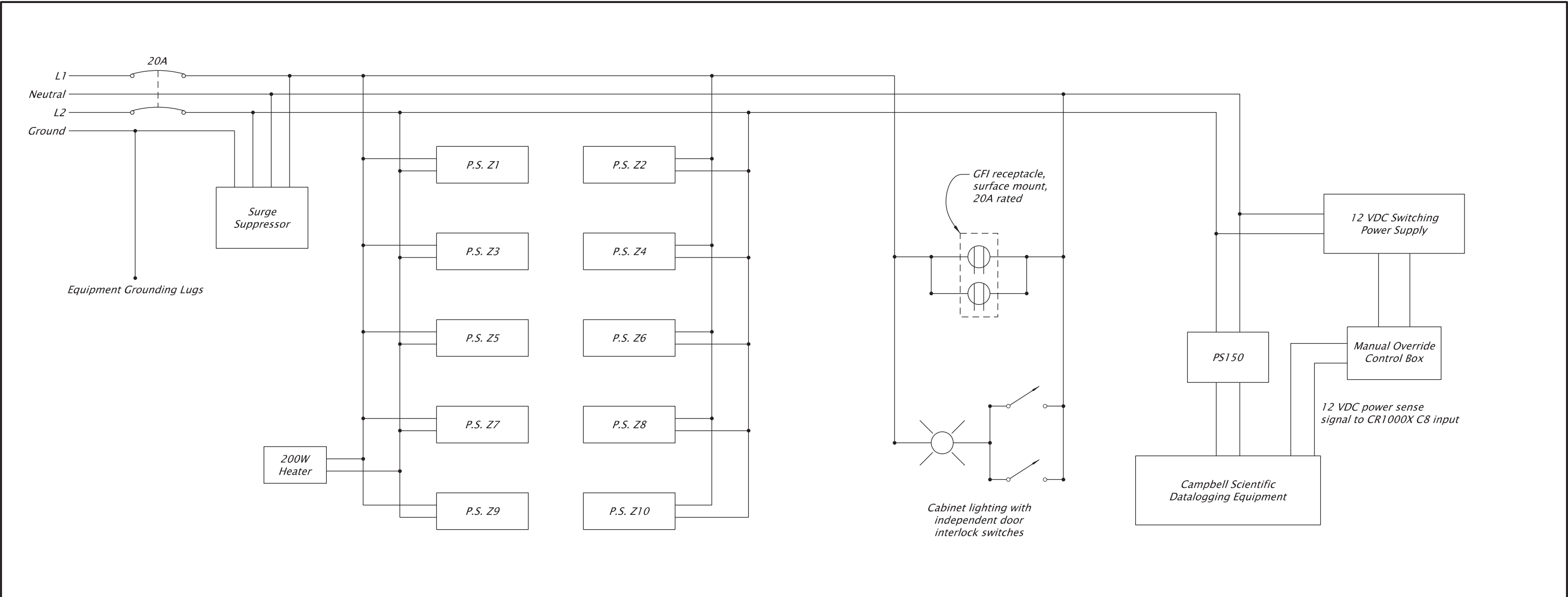
SIDE

DIODE/SHUNT MOUNT

Not To Scale

See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111706		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT	
HWY: 009 M.P.: 327.7		OREGON COAST HIGHWAY CURRY COUNTY	
COUNTY Curry		Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
DATE May 2026	Drafter: J. Tilman	Checker: Andrew S. Blower, PE	
RENEW: 12-31-2027		ELECTRONIC EQUIPMENT LAYOUT and MOUNTING DETAILS	SHEET NO. JA21



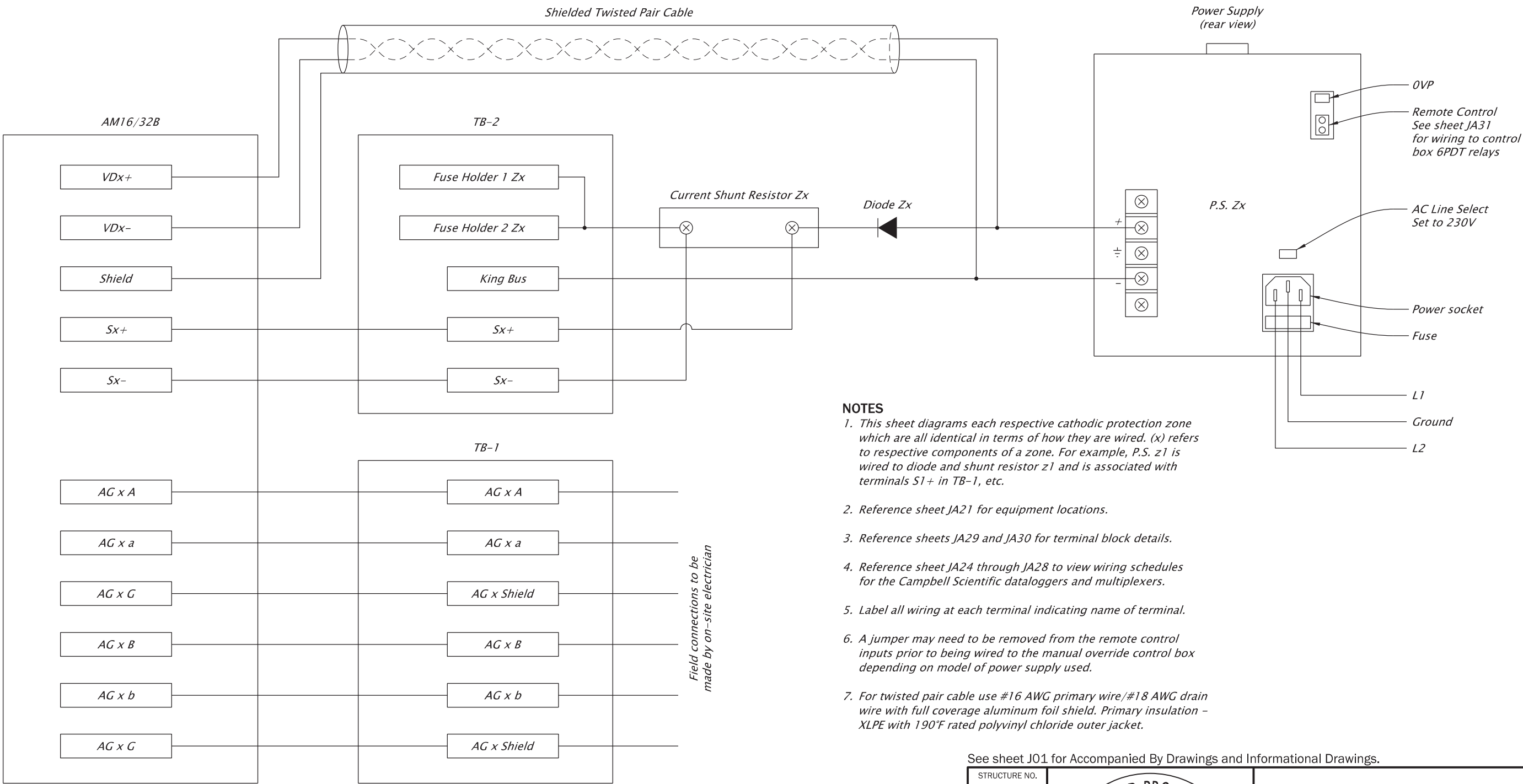
TYPICAL AC POWER DISTRIBUTION WIRING
(CABINET CP1 SHOWN)

NOTES

1. PS150 requires a transformer (not shown) which outputs 18 VAC. This may be the wall transformer provided by Campbell Scientific and may use one of the GFI outputs, or it may be a standalone device.
2. All power supplies to be properly grounded (not shown).
3. 12 V supply and transformer may be wired off a 120 V leg as shown, or tapped directly from L1/L2.
4. Control relays, if required, may be exterior to remote/manual control box.
5. Refer to Campbell Scientific documentation for proper wiring of power distribution and communication interconnects.

See sheet J01 for Accompanied By Drawings and Informational Drawings.

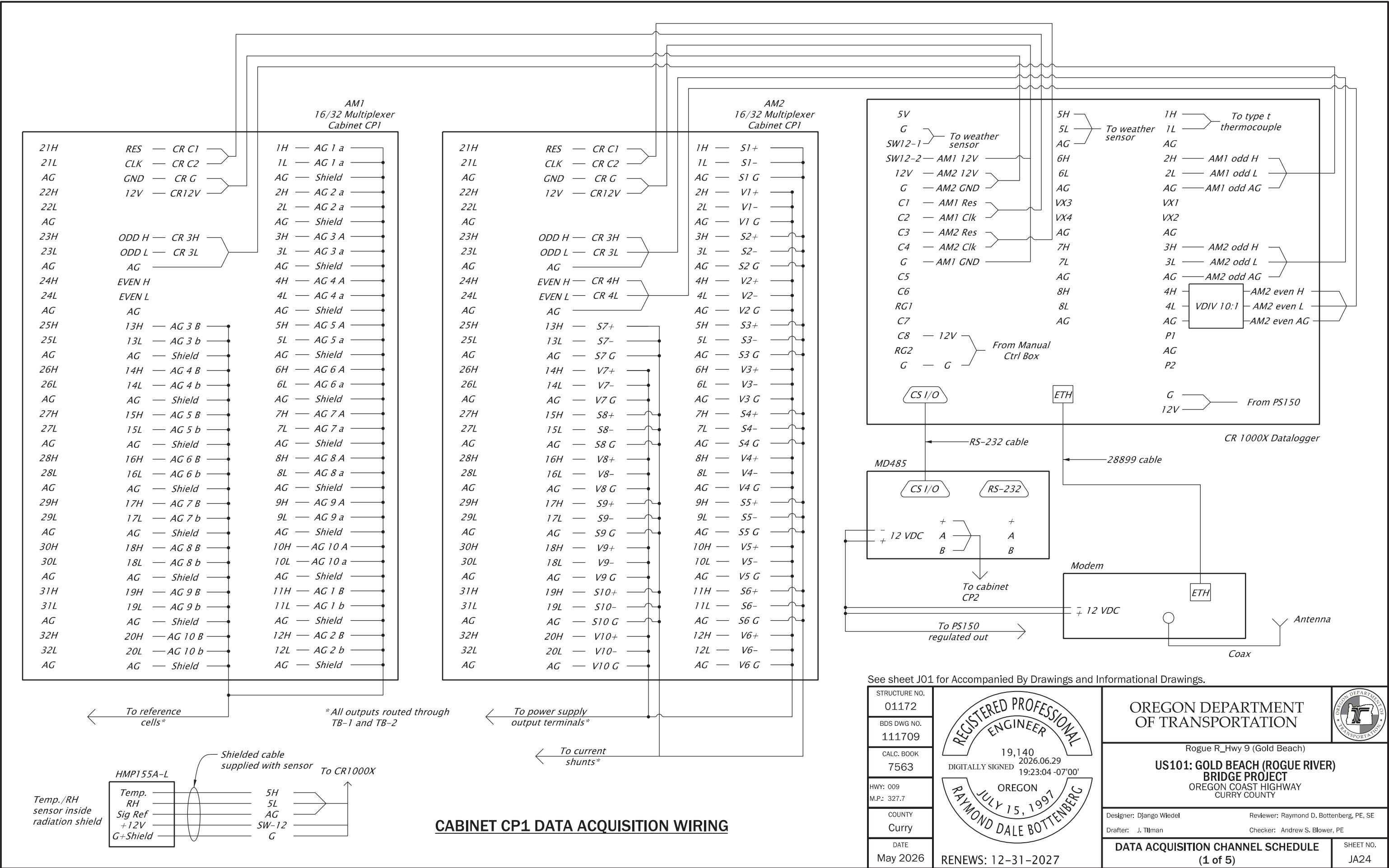
STRUCTURE NO. 01172	REGISTERED PROFESSIONAL ENGINEER 19,140 DIGITALLY SIGNED 2026.06.29 19:21:51 -07'00' OREGON JULY 15, 1997 RAYMOND DALE BOTTEBERG	OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111707		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY	
HWY: 009 M.P.: 327.7		Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
COUNTY Curry		Drafter: J. Tilman	Checker: Andrew S. Blower, PE
DATE May 2026	RENEWS: 12-31-2027	A.C. POWER DISTRIBUTION WIRING DIAGRAM	SHEET NO. JA22



- NOTES**
1. This sheet diagrams each respective cathodic protection zone which are all identical in terms of how they are wired. (x) refers to respective components of a zone. For example, P.S. z1 is wired to diode and shunt resistor z1 and is associated with terminals S1+ in TB-1, etc.
 2. Reference sheet JA21 for equipment locations.
 3. Reference sheets JA29 and JA30 for terminal block details.
 4. Reference sheet JA24 through JA28 to view wiring schedules for the Campbell Scientific dataloggers and multiplexers.
 5. Label all wiring at each terminal indicating name of terminal.
 6. A jumper may need to be removed from the remote control inputs prior to being wired to the manual override control box depending on model of power supply used.
 7. For twisted pair cable use #16 AWG primary wire/#18 AWG drain wire with full coverage aluminum foil shield. Primary insulation - XLPE with 190°F rated polyvinyl chloride outer jacket.

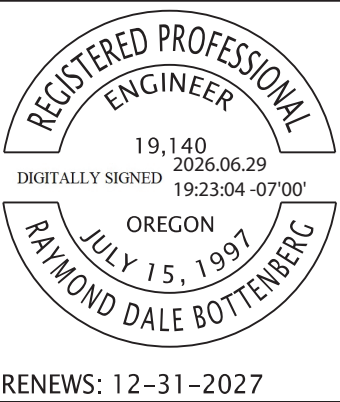
See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111708		Rogue R_Hwy 9 (Gold Beach)	
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT	
HWY: 009 M.P.: 327.7		OREGON COAST HIGHWAY CURRY COUNTY	
COUNTY Curry		Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
DATE May 2026	Drafter: J. Tiltman	Checker: Andrew S. Blower, PE	
RENEWES: 12-31-2027		D.C. POWER DISTRIBUTION WIRING DIAGRAM	SHEET NO. JA23

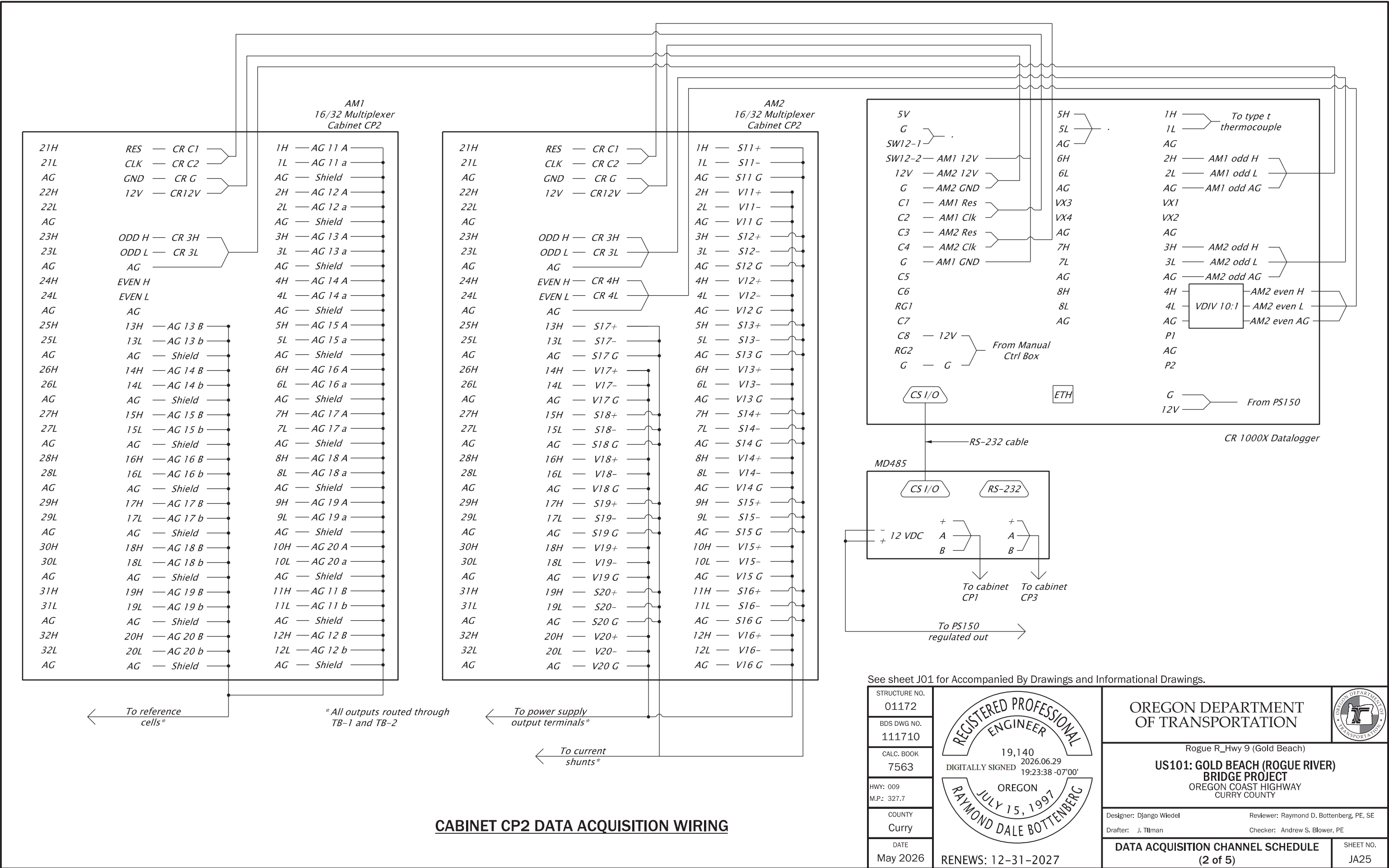


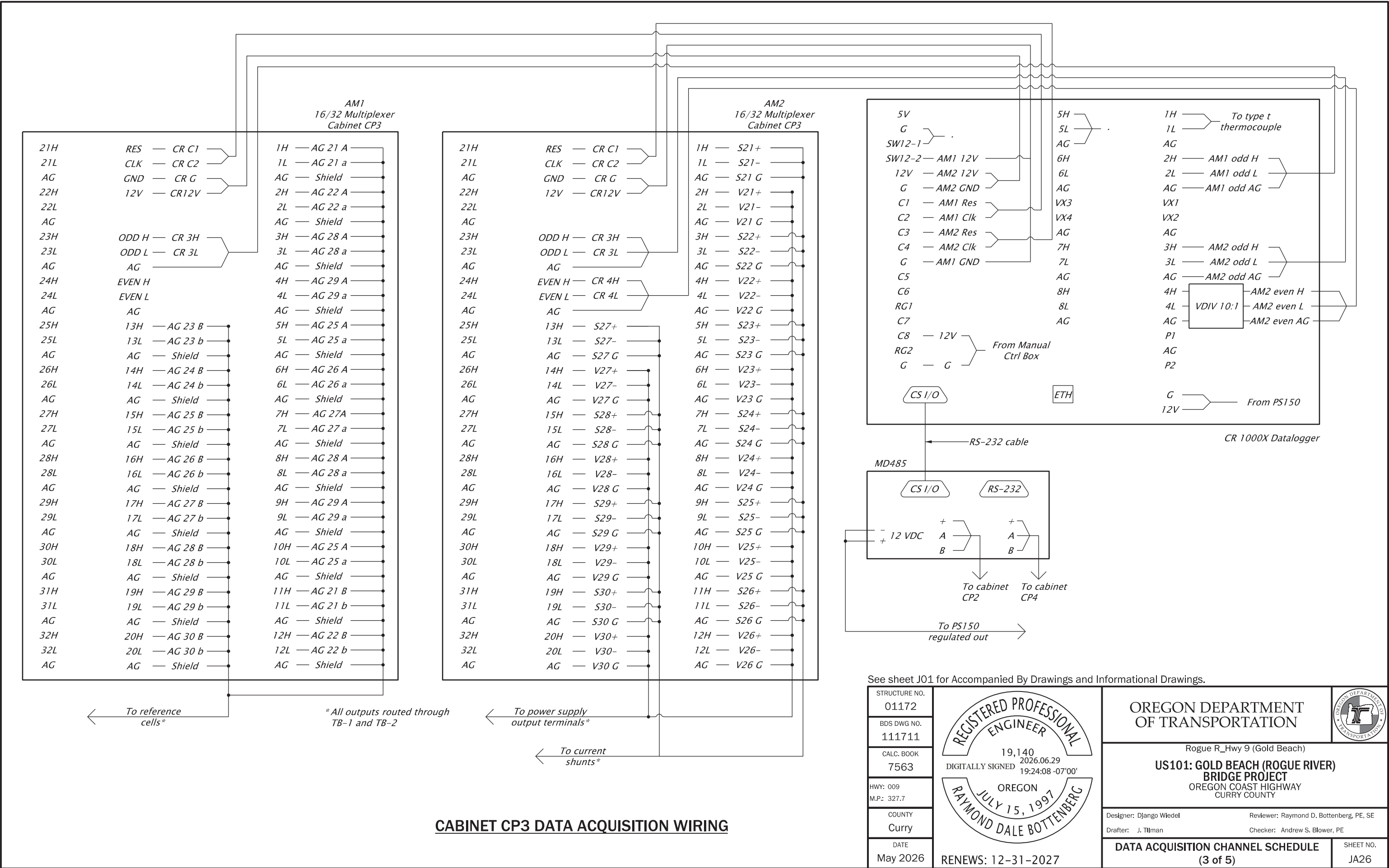
See sheet J01 for Accompanied By Drawings and Informational Drawings.

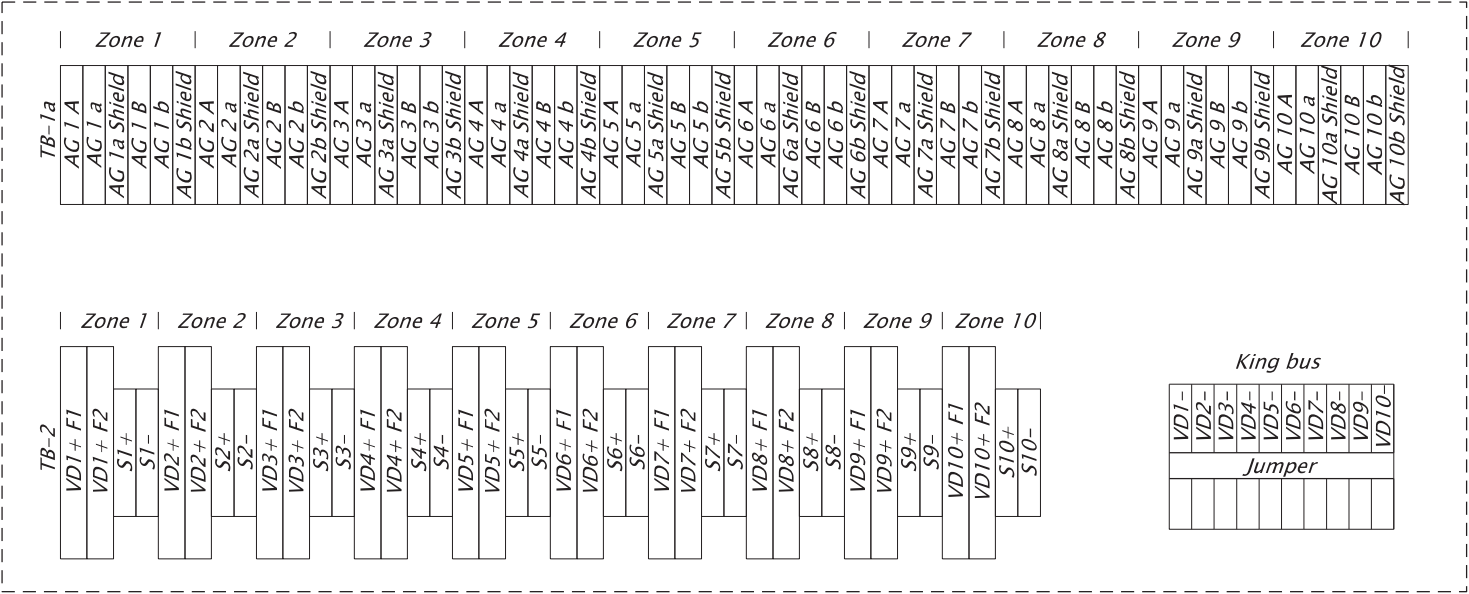
STRUCTURE NO.	01172
BDS DWG NO.	111709
CALC. BOOK	7563
HWY: 009	
M.P.: 327.7	
COUNTY	Curry
DATE	May 2026



OREGON DEPARTMENT OF TRANSPORTATION	
Rogue R_Hwy 9 (Gold Beach)	
US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT	
OREGON COAST HIGHWAY CURRY COUNTY	
Designer: Django Wiedel	Reviewer: Raymond D. Bottenberg, PE, SE
Drafter: J. Tilman	Checker: Andrew S. Blower, PE
DATA ACQUISITION CHANNEL SCHEDULE (1 of 5)	
SHEET NO. JA24	







AG 21 A
AG 21 a
AG 21 a Shield
AG 21 B
AG 21 b
AG 21 b Shield
AG 22 A
AG 22 a
AG 22 a Shield
AG 22 B
AG 22 b
AG 22 b Shield
AG 23 A
AG 23 a
AG 23 a Shield
AG 23 B
AG 23 b
AG 23 b Shield
AG 24 A
AG 24 a
AG 24 a Shield
AG 24 B
AG 24 b
AG 24 b Shield
AG 25 A
AG 25 a
AG 25 a Shield
AG 25 B
AG 25 b
AG 25 b Shield
AG 26 A
AG 26 a
AG 26 a Shield
AG 26 B
AG 26 b
AG 26 b Shield
AG 27 A
AG 27 a
AG 27 a Shield
AG 27 B
AG 27 b
AG 27 b Shield
AG 28 A
AG 28 a
AG 28 a Shield
AG 28 B
AG 28 b
AG 28 b Shield
AG 29 A
AG 29 a
AG 29 a Shield
AG 29 B
AG 29 b
AG 29 b Shield
AG 30 A
AG 30 a
AG 30 a Shield
AG 30 B
AG 30 b
AG 30 b Shield

$VD21 + F1$
$VD21 + F2$
$S21 +$
$S21 -$
$VD22 + F1$
$VD22 + F2$
$S22 +$
$S22 -$
$VD23 + F1$
$VD23 + F2$
$S23 +$
$S23 -$
$VD24 + F1$
$VD24 + F2$
$S24 +$
$S24 -$
$VD25 + F1$
$VD25 + F2$
$S25 +$
$S25 -$
$VD26 + F1$
$VD26 + F2$
$S26 +$
$S26 -$
$VD27 + F1$
$VD27 + F2$
$S27 +$
$S27 -$
$VD28 + F1$
$VD28 + F2$
$S28 +$
$S28 -$
$VD29 + F1$
$VD29 + F2$
$S29 +$
$S29 -$
$VD30 + F1$
$VD30 + F2$
$S30 +$
$S30 -$

[illegible]

CABINET CP3

AG 31 A
AG 31 a
AG 31 a Shield
AG 31 B
AG 31 b
AG 31 b Shield
AG 32 A
AG 32 a
AG 32 a Shield
AG 32 B
AG 32 b
AG 32 b Shield
AG 33 A
AG 33 a
AG 33 a Shield
AG 33 B
AG 33 b
AG 33 b Shield
AG 34 A
AG 34 a
AG 34 a Shield
AG 34 B
AG 34 b
AG 34 b Shield
AG 35 A
AG 35 a
AG 35 a Shield
AG 35 B
AG 35 b
AG 35 b Shield
AG 36 A
AG 36 a
AG 36 a Shield
AG 36 B
AG 36 b
AG 36 b Shield
AG 37 A
AG 37 a
AG 37 a Shield
AG 37 B
AG 37 b
AG 37 b Shield
AG 38 A
AG 38 a
AG 38 a Shield
AG 38 B
AG 38 b
AG 38 b Shield
AG 39 A
AG 39 a
AG 39 a Shield
AG 39 B
AG 39 b
AG 39 b Shield
AG 40 A
AG 40 a
AG 40 a Shield
AG 40 B
AG 40 b
AG 40 b Shield

$VD31 + F1$
$VD31 + F2$
$S31 +$
$S31 -$
$VD32 + F1$
$VD32 + F2$
$S32 +$
$S32 -$
$VD33 + F1$
$VD33 + F2$
$S33 +$
$S33 -$
$VD34 + F1$
$VD34 + F2$
$S34 +$
$S34 -$
$VD35 + F1$
$VD35 + F2$
$S35 +$
$S35 -$
$VD36 + F1$
$VD36 + F2$
$S36 +$
$S36 -$
$VD37 + F1$
$VD37 + F2$
$S37 +$
$S37 -$
$VD38 + F1$
$VD38 + F2$
$S38 +$
$S38 -$
$VD39 + F1$
$VD39 + F2$
$S39 +$
$S39 -$
$VD40 + F1$
$VD40 + F2$
$S40 +$
$S40 -$

VD31-
VD32-
VD33-
VD34-
VD35-
VD36-
VD37-
VD38-
VD39-
VD40-

CABINET CP4

AG 41 A
AG 41 a
AG 41 a Shield
AG 41 B
AG 41 b
AG 41 b Shield
AG 42 A
AG 42 a
AG 42 a Shield
AG 42 B
AG 42 b
AG 42 b Shield
AG 43 A
AG 43 a
AG 43 a Shield
AG 43 B
AG 43 b
AG 43 b Shield
AG 44 A
AG 44 a
AG 44 a Shield
AG 44 B
AG 44 b
AG 44 b Shield
AG 45 A
AG 45 a
AG 45 a Shield
AG 45 B
AG 45 b
AG 45 b Shield
AG 46 A
AG 46 a
AG 46 a Shield
AG 46 B
AG 46 b
AG 46 b Shield
AG 47 A
AG 47 a
AG 47 a Shield
AG 47 B
AG 47 b
AG 47 b Shield
AG 48 A
AG 48 a
AG 48 a Shield
AG 48 B
AG 48 b
AG 48 b Shield
AG 49 A
AG 49 a
AG 49 a Shield
AG 49 B
AG 49 b
AG 49 b Shield
AG 50 A
AG 50 a
AG 50 a Shield
AG 50 B
AG 50 b
AG 50 b Shield

$VD41 + F1$
$VD41 + F2$
$S41 +$
$S41 -$
$VD42 + F1$
$VD42 + F2$
$S42 +$
$S42 -$
$VD43 + F1$
$VD43 + F2$
$S43 +$
$S43 -$
$VD44 + F1$
$VD44 + F2$
$S44 +$
$S44 -$
$VD45 + F1$
$VD45 + F2$
$S45 +$
$S45 -$
$VD46 + F1$
$VD46 + F2$
$S46 +$
$S46 -$
$VD47 + F1$
$VD47 + F2$
$S47 +$
$S47 -$
$VD48 + F1$
$VD48 + F2$
$S48 +$
$S48 -$
$VD49 + F1$
$VD49 + F2$
$S49 +$
$S49 -$
$VD50 + F1$
$VD50 + F2$
$S50 +$
$S50 -$

VD41-
VD42-
VD43-
VD44-
VD45-
VD46-
VD47-
VD48-
VD49-
VD50-

CABINET CP5

NOTES

1. Label terminal block components as indicated, with exception of king bus jumpers.
2. Use king bus jumpers rated for at least 10 amps.
3. F indicates a fused terminal block. Supply with 5 amp fuses.

See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION		
BDS DWG NO. 111715		Rogue R_Hwy 9 (Gold Beach)		
CALC. BOOK 7563		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY		
HWY: 009 M.P.: 327.7		Designer: Django Wiedel Drafter: J. Tilman		Reviewer: Raymond D. Bottenberg, PE, SE Checker: Andrew S. Blower, PE
COUNTY Curry		CABINET TERMINAL BLOCK LABELS (2 of 2)		SHEET NO. JA30
DATE May 2026	RENEWS: 12-31-2027			

Conduit Schedule - 1

Conduit	Size	From	To	Circuit and Fill Number
C 2000	4"	Cabinet CP 1-5 Risers	Zones 1-50 Anode Plates and King Bars	100- #10, Zones 1-50 Anode Plates * 50- #10, Zones 1-50 King Bars *
C 3000	5"	Cabinet CP 1-5 Risers	Zones 1-50 Anode Reference Cells	100- #16 Shielded Twisted Pair Reference Cells Zones 1-50
C 2001	3/4"	C2000 at Span N3	Zone 1 Anode Plates and King Bar	4- #10 Zone 1 Anode Plates * 2- #10 Zone 1 King Bar *
C 2002	3/4"	C2000 at Span N9	Zone 2 Anode Plates and King Bar	2- #10 Zone 2 Anode Plates * 1- #10 Zone 2 King Bar *
C 2003	3/4"	C2000 at Span N4	Zone 3 Anode Plates and King Bar	4- #10 Zone 3 Anode Plates * 2- #10 Zone 3 King Bar *
C 2004	3/4"	C2000 at Span Pier 1	Zone 4 Anode Plates and King Bar	2- #10 Zone 4 Anode Plates * 1- #10 Zone 4 King Bar *
C 2005	3/4"	C2000 at Span 1	Zone 5 Anode Plates and King Bar	4- #10 Zone 5 Anode Plates * 2- #10 Zone 5 King Bar *
C 2006	3/4"	C2000 at Span 1	Zone 6 Anode Plates and King Bar	4- #10 Zone 6 Anode Plates * 2- #10 Zone 6 King Bar *
C 2007	3/4"	C2000 at Span 1	Zone 7 Anode Plates and King Bar	4- #10 Zone 7 Anode Plates * 2- #10 Zone 7 King Bar *
C 2008	3/4"	C2000 at Span 1	Zone 8 Anode Plates and King Bar	4- #10 Zone 8 Anode Plates * 2- #10 Zone 8 King Bar *
C 2009	3/4"	C2000 at Span 1	Zone 9 Anode Plates and King Bar	4- #10 Zone 9 Anode Plates * 2- #10 Zone 9 King Bar *
C 2010	3/4"	C2000 at Span 1	Zone 10 Anode Plates and King Bar	4- #10 Zone 10 Anode Plates * 2- #10 Zone 10 King Bar *
C 2011	3/4"	C2000 at Span 2	Zone 11 Anode Plates and King Bar	4- #10 Zone 11 Anode Plates * 2- #10 Zone 11 King Bar *
C 2012	3/4"	C2000 at Span 2	Zone 12 Anode Plates and King Bar	4- #10 Zone 12 Anode Plates * 2- #10 Zone 12 King Bar *
C 2013	3/4"	C2000 at Span 2	Zone 13 Anode Plates and King Bar	4- #10 Zone 13 Anode Plates * 2- #10 Zone 13 King Bar *
C 2014	3/4"	C2000 at Span 2	Zone 14 Anode Plates and King Bar	4- #10 Zone 14 Anode Plates * 2- #10 Zone 14 King Bar *
C 2015	3/4"	C2000 at Span 2	Zone 15 Anode Plates and King Bar	4- #10 Zone 15 Anode Plates * 2- #10 Zone 15 King Bar *
C 2016	3/4"	C2000 at Span 2	Zone 16 Anode Plates and King Bar	4- #10 Zone 16 Anode Plates * 2- #10 Zone 16 King Bar *
C 2017	3/4"	C2000 at Span 3	Zone 17 Anode Plates and King Bar	4- #10 Zone 17 Anode Plates * 2- #10 Zone 17 King Bar *
C 2018	3/4"	C2000 at Span 3	Zone 18 Anode Plates and King Bar	4- #10 Zone 18 Anode Plates * 2- #10 Zone 18 King Bar *
C 2019	3/4"	C2000 at Span 3	Zone 19 Anode Plates and King Bar	4- #10 Zone 19 Anode Plates * 2- #10 Zone 19 King Bar *
C 2020	3/4"	C2000 at Span 3	Zone 20 Anode Plates and King Bar	4- #10 Zone 20 Anode Plates * 2- #10 Zone 20 King Bar *
C 2021	3/4"	C2000 at Span 3	Zone 21 Anode Plates and King Bar	4- #10 Zone 21 Anode Plates * 2- #10 Zone 21 King Bar *
C 2022	3/4"	C2000 at Span 3	Zone 22 Anode Plates and King Bar	4- #10 Zone 22 Anode Plates * 2- #10 Zone 22 King Bar *
C 2023	3/4"	C2000 at Span 4	Zone 23 Anode Plates and King Bar	4- #10 Zone 23 Anode Plates * 2- #10 Zone 23 King Bar *
C 2024	3/4"	C2000 at Span 4	Zone 24 Anode Plates and King Bar	4- #10 Zone 24 Anode Plates * 2- #10 Zone 24 King Bar *

Conduit	Size	From	To	Circuit and Fill Number
C 2025	3/4"	C2000 at Span 4	Zone 25 Anode Plates and King Bar	4- #10 Zone 25 Anode Plates * 2- #10 Zone 25 King Bar *
C 2026	3/4"	C2000 at Span 4	Zone 26 Anode Plates and King Bar	4- #10 Zone 26 Anode Plates * 2- #10 Zone 26 King Bar *
C 2027	3/4"	C2000 at Span 4	Zone 27 Anode Plates and King Bar	4- #10 Zone 27 Anode Plates * 2- #10 Zone 27 King Bar *
C 2028	3/4"	C2000 at Span 4	Zone 28 Anode Plates and King Bar	4- #10 Zone 28 Anode Plates * 2- #10 Zone 28 King Bar *
C 2029	3/4"	C2000 at Span 5	Zone 29 Anode Plates and King Bar	4- #10 Zone 29 Anode Plates * 2- #10 Zone 29 King Bar *
C 2030	3/4"	C2000 at Span 5	Zone 30 Anode Plates and King Bar	4- #10 Zone 30 Anode Plates * 2- #10 Zone 30 King Bar *
C 2031	3/4"	C2000 at Span 5	Zone 31 Anode Plates and King Bar	4- #10 Zone 31 Anode Plates * 2- #10 Zone 31 King Bar *
C 2032	3/4"	C2000 at Span 5	Zone 32 Anode Plates and King Bar	4- #10 Zone 32 Anode Plates * 2- #10 Zone 32 King Bar *
C 2033	3/4"	C2000 at Span 5	Zone 33 Anode Plates and King Bar	4- #10 Zone 33 Anode Plates * 2- #10 Zone 33 King Bar *
C 2034	3/4"	C2000 at Span 5	Zone 34 Anode Plates and King Bar	4- #10 Zone 34 Anode Plates * 2- #10 Zone 34 King Bar *
C 2035	3/4"	C2000 at Span 6	Zone 35 Anode Plates and King Bar	4- #10 Zone 35 Anode Plates * 2- #10 Zone 35 King Bar *
C 2036	3/4"	C2000 at Span 6	Zone 36 Anode Plates and King Bar	4- #10 Zone 36 Anode Plates * 2- #10 Zone 36 King Bar *
C 2037	3/4"	C2000 at Span 6	Zone 37 Anode Plates and King Bar	4- #10 Zone 37 Anode Plates * 2- #10 Zone 37 King Bar *
C 2038	3/4"	C2000 at Span 6	Zone 38 Anode Plates and King Bar	4- #10 Zone 38 Anode Plates * 2- #10 Zone 38 King Bar *
C 2039	3/4"	C2000 at Span 6	Zone 39 Anode Plates and King Bar	4- #10 Zone 39 Anode Plates * 2- #10 Zone 39 King Bar *
C 2040	3/4"	C2000 at Span 6	Zone 40 Anode Plates and King Bar	4- #10 Zone 40 Anode Plates * 2- #10 Zone 40 King Bar *
C 2041	3/4"	C2000 at Span 7	Zone 41 Anode Plates and King Bar	4- #10 Zone 41 Anode Plates * 2- #10 Zone 41 King Bar *
C 2042	3/4"	C2000 at Span 7	Zone 42 Anode Plates and King Bar	4- #10 Zone 42 Anode Plates * 2- #10 Zone 42 King Bar *
C 2043	3/4"	C2000 at Span 7	Zone 43 Anode Plates and King Bar	4- #10 Zone 43 Anode Plates * 2- #10 Zone 43 King Bar *
C 2044	3/4"	C2000 at Span 7	Zone 44 Anode Plates and King Bar	4- #10 Zone 44 Anode Plates * 2- #10 Zone 44 King Bar *
C 2045	3/4"	C2000 at Span 7	Zone 45 Anode Plates and King Bar	4- #10 Zone 45 Anode Plates * 2- #10 Zone 45 King Bar *

See sheet JA35 for notes and anode schematics.
See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO.
01172

BDS DWG NO.
111717

CALC. BOOK
7563

HWY: 009
M.P.: 327.7

COUNTY
Curry

DATE
May 2026

REGISTERED PROFESSIONAL
ENGINEER

19,140
DIGITALLY SIGNED 2026.06.29 19:27:23
-07'00'

OREGON
JULY 15, 1997
RAYMOND DALE BOTTEBERG

RENEW: 12-31-2027

OREGON DEPARTMENT
OF TRANSPORTATION

Rogue R_Hwy 9 (Gold Beach)
US101: GOLD BEACH (ROGUE RIVER)
BRIDGE PROJECT
OREGON COAST HIGHWAY
CURRY COUNTY

Designer: Django Wiedel
Reviewer: Raymond D. Bottenberg, PE, SE
Drafter: J. Tilman
Checker: Andrew S. Blower, PE

CATHODIC PROTECTION
CONDUIT SCHEDULE - 1

SHEET NO.
JA32

Conduit Schedule - 2

Conduit	Size	From	To	Circuit and Fill Number
C 2046	3/4"	C2000 at Span 7	Zone 46 Anode Plates and King Bar	4- #10 Zone 46 Anode Plates * 2- #10 Zone 46 King Bar *
C 2047	3/4"	C2000 at Pier 8	Zone 47 Anode Plates and King Bar	2- #10 Zone 47 Anode Plates * 1- #10 Zone 47 King Bar *
C 2048	3/4"	C2000 at Span S3	Zone 48 Anode Plates and King Bar	4- #10 Zone 48 Anode Plates * 2- #10 Zone 48 King Bar *
C 2049	3/4"	C2000 at Span S7	Zone 49 Anode Plates and King Bar	4- #10 Zone 49 Anode Plates * 2- #10 Zone 49 King Bar *
C 2050	3/4"	C2000 at Span S3	Zone 50 Anode Plates and King Bar	4- #10 Zone 50 Anode Plates * 2- #10 Zone 50 King Bar *
C 3001	3/4"	C3000 at Span N3	Zone 1 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 1 Reference Cell A
C 3002	3/4"	C3000 at Span N4	Zone 1 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 1 Reference Cell B
C 3003	3/4"	C3000 at Span N4	Zone 2 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 2 Reference Cell A
C 3004	3/4"	C3000 at Span N6	Zone 2 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 2 Reference Cell B
C 3005	3/4"	C3000 at Span N4	Zone 3 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 3 Reference Cell A
C 3006	3/4"	C3000 at Span N7	Zone 3 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 3 Reference Cell B
C 3007	3/4"	C3000 at Pier 1	Zone 4 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 4 Reference Cell A
C 3008	3/4"	C3000 at Pier 1	Zone 4 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 4 Reference Cell B
C 3009	3/4"	C3000 at Span 1	Zone 5 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 5 Reference Cell A
C 3010	3/4"	C3000 at Span 1	Zone 5 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 5 Reference Cell B
C 3011	3/4"	C3000 at Span 1	Zone 6 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 6 Reference Cell A
C 3012	3/4"	C3000 at Span 1	Zone 6 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 6 Reference Cell B
C 3013	3/4"	C3000 at Span 1	Zone 7 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 7 Reference Cell A
C 3014	3/4"	C3000 at Span 1	Zone 7 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 7 Reference Cell B
C 3015	3/4"	C3000 at Span 1	Zone 8 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 8 Reference Cell A
C 3016	3/4"	C3000 at Span 1	Zone 8 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 8 Reference Cell B
C 3017	3/4"	C3000 at Span 1	Zone 9 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 9 Reference Cell A
C 3018	3/4"	C3000 at Span 1	Zone 9 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 9 Reference Cell B
C 3019	3/4"	C3000 at Span 1	Zone 10 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 10 Reference Cell A
C 3020	3/4"	C3000 at Span 1	Zone 10 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 10 Reference Cell B
C 3021	3/4"	C3000 at Span 2	Zone 11 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 11 Reference Cell A
C 3022	3/4"	C3000 at Span 2	Zone 11 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 11 Reference Cell B
C 3023	3/4"	C3000 at Span 2	Zone 12 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 12 Reference Cell A

Conduit	Size	From	To	Circuit and Fill Number
C 3024	3/4"	C3000 at Span 2	Zone 12 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 12 Reference Cell B
C 3025	3/4"	C3000 at Span 2	Zone 13 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 13 Reference Cell A
C 3026	3/4"	C3000 at Span 2	Zone 13 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 13 Reference Cell B
C 3027	3/4"	C3000 at Span 2	Zone 14 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 14 Reference Cell A
C 3028	3/4"	C3000 at Span 2	Zone 14 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 14 Reference Cell B
C 3029	3/4"	C3000 at Span 2	Zone 15 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 15 Reference Cell A
C 3030	3/4"	C3000 at Span 2	Zone 15 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 15 Reference Cell B
C 3031	3/4"	C3000 at Span 2	Zone 16 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 16 Reference Cell A
C 3032	3/4"	C3000 at Span 2	Zone 16 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 16 Reference Cell B
C 3033	3/4"	C3000 at Span 3	Zone 17 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 17 Reference Cell A
C 3034	3/4"	C3000 at Span 3	Zone 17 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 17 Reference Cell B
C 3035	3/4"	C3000 at Span 3	Zone 18 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 18 Reference Cell A
C 3036	3/4"	C3000 at Span 3	Zone 18 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 18 Reference Cell B
C 3037	3/4"	C3000 at Span 3	Zone 19 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 19 Reference Cell A
C 3038	3/4"	C3000 at Span 3	Zone 19 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 19 Reference Cell B
C 3039	3/4"	C3000 at Span 3	Zone 20 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 20 Reference Cell A
C 3040	3/4"	C3000 at Span 3	Zone 20 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 20 Reference Cell B
C 3041	3/4"	C3000 at Span 3	Zone 21 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 21 Reference Cell A
C 3042	3/4"	C3000 at Span 3	Zone 21 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 21 Reference Cell B
C 3043	3/4"	C3000 at Span 3	Zone 22 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 22 Reference Cell A
C 3044	3/4"	C3000 at Span 3	Zone 22 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 22 Reference Cell B

See sheet JA35 for notes and anode schematics.
See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO.
01172

BDS DWG NO.
111718

CALC. BOOK
7563

HWY: 009
M.P.: 327.7

COUNTY
Curry

DATE
May 2026

REGISTERED PROFESSIONAL
ENGINEER
19,140
DIGITALLY SIGNED 2026.06.29
19:27:50 -07'00'
OREGON
JULY 15, 1997
RAYMOND DALE BOTTENBERG

RENEWES: 12-31-2027

OREGON DEPARTMENT
OF TRANSPORTATION

Rogue R_Hwy 9 (Gold Beach)
US101: GOLD BEACH (ROGUE RIVER)
BRIDGE PROJECT
OREGON COAST HIGHWAY
CURRY COUNTY

Designer: Django Wiedel
Reviewer: Raymond D. Bottenberg, PE, SE
Drafter: J. Tilman
Checker: Andrew S. Blower, PE

CATHODIC PROTECTION
CONDUIT SCHEDULE - 2

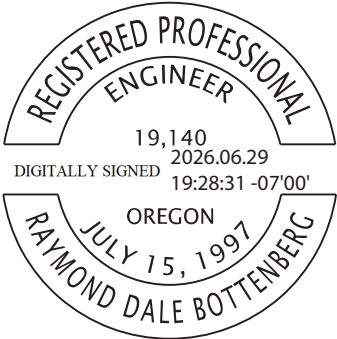
SHEET NO.
JA33

Conduit Schedule - 3

Conduit	Size	From	To	Circuit and Fill Number
C 3045	3/4"	C3000 at Span 4	Zone 23 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 23 Reference Cell A
C 3046	3/4"	C3000 at Span 4	Zone 23 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 23 Reference Cell B
C 3047	3/4"	C3000 at Span 4	Zone 24 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 24 Reference Cell A
C 3048	3/4"	C3000 at Span 4	Zone 24 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 24 Reference Cell B
C 3049	3/4"	C3000 at Span 4	Zone 25 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 25 Reference Cell A
C 3050	3/4"	C3000 at Span 4	Zone 25 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 25 Reference Cell B
C 3051	3/4"	C3000 at Span 4	Zone 26 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 26 Reference Cell A
C 3052	3/4"	C3000 at Span 4	Zone 26 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 26 Reference Cell B
C 3053	3/4"	C3000 at Span 4	Zone 27 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 27 Reference Cell A
C 3054	3/4"	C3000 at Span 4	Zone 27 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 27 Reference Cell B
C 3055	3/4"	C3000 at Span 4	Zone 28 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 28 Reference Cell A
C 3056	3/4"	C3000 at Span 4	Zone 28 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 28 Reference Cell B
C 3057	3/4"	C3000 at Span 5	Zone 29 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 29 Reference Cell A
C 3058	3/4"	C3000 at Span 5	Zone 29 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 29 Reference Cell B
C 3059	3/4"	C3000 at Span 5	Zone 30 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 30 Reference Cell A
C 3060	3/4"	C3000 at Span 5	Zone 30 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 30 Reference Cell B
C 3061	3/4"	C3000 at Span 5	Zone 31 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 31 Reference Cell A
C 3062	3/4"	C3000 at Span 5	Zone 31 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 31 Reference Cell B
C 3063	3/4"	C3000 at Span 5	Zone 32 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 32 Reference Cell A
C 3064	3/4"	C3000 at Span 5	Zone 32 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 32 Reference Cell B
C 3065	3/4"	C3000 at Span 5	Zone 33 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 33 Reference Cell A
C 3066	3/4"	C3000 at Span 5	Zone 33 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 33 Reference Cell B
C 3067	3/4"	C3000 at Span 5	Zone 34 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 34 Reference Cell A
C 3068	3/4"	C3000 at Span 5	Zone 34 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 34 Reference Cell B
C 3069	3/4"	C3000 at Span 6	Zone 35 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 35 Reference Cell A
C 3070	3/4"	C3000 at Span 6	Zone 35 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 35 Reference Cell B
C 3071	3/4"	C3000 at Span 6	Zone 36 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 36 Reference Cell A
C 3072	3/4"	C3000 at Span 6	Zone 36 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 36 Reference Cell B

Conduit	Size	From	To	Circuit and Fill Number
C 3073	3/4"	C3000 at Span 6	Zone 37 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 37 Reference Cell A
C 3074	3/4"	C3000 at Span 6	Zone 37 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 37 Reference Cell B
C 3075	3/4"	C3000 at Span 6	Zone 38 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 38 Reference Cell A
C 3076	3/4"	C3000 at Span 6	Zone 38 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 38 Reference Cell B
C 3077	3/4"	C3000 at Span 6	Zone 39 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 39 Reference Cell A
C 3078	3/4"	C3000 at Span 6	Zone 39 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 39 Reference Cell B
C 3079	3/4"	C3000 at Span 6	Zone 40 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 40 Reference Cell A
C 3080	3/4"	C3000 at Span 6	Zone 40 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 40 Reference Cell B
C 3081	3/4"	C3000 at Span 7	Zone 41 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 41 Reference Cell A
C 3082	3/4"	C3000 at Span 7	Zone 41 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 41 Reference Cell B
C 3083	3/4"	C3000 at Span 7	Zone 42 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 42 Reference Cell A
C 3084	3/4"	C3000 at Span 7	Zone 42 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 42 Reference Cell B
C 3085	3/4"	C3000 at Span 7	Zone 43 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 43 Reference Cell A
C 3086	3/4"	C3000 at Span 7	Zone 43 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 43 Reference Cell B
C 3087	3/4"	C3000 at Span 7	Zone 44 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 44 Reference Cell A
C 3088	3/4"	C3000 at Span 7	Zone 44 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 44 Reference Cell B
C 3089	3/4"	C3000 at Span 7	Zone 45 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 45 Reference Cell A
C 3090	3/4"	C3000 at Span 7	Zone 45 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 45 Reference Cell B
C 3091	3/4"	C3000 at Span 7	Zone 46 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 46 Reference Cell A
C 3092	3/4"	C3000 at Span 7	Zone 46 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 46 Reference Cell B
C 3093	3/4"	C3000 at Pier 8	Zone 47 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 47 Reference Cell A

See sheet JA35 for notes and anode schematics.
See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111719			
CALC. BOOK 7563		Rogue R_Hwy 9 (Gold Beach) US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY	
HWY: 009 M.P.: 327.7		Designer: Django Wiedel Reviewer: Raymond D. Bottenberg, PE, SE	
COUNTY Curry		Drafter: J. Tilman Checker: Andrew S. Blower, PE	
DATE May 2026	RENEWS: 12-31-2027	CATHODIC PROTECTION CONDUIT SCHEDULE - 3	SHEET NO. JA34

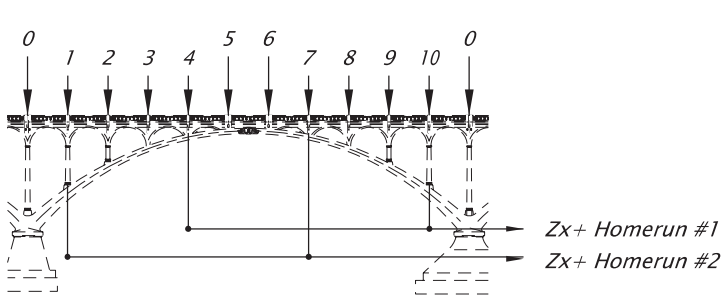
Conduit Schedule - 4

Conduit	Size	From	To	Circuit and Fill Number
C3094	3/4"	C3000 at Pier 8	Zone 47 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 47 Reference Cell B
C3095	3/4"	C3000 at Span S2	Zone 48 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 48 Reference Cell A
C3096	3/4"	C3000 at Span S4	Zone 48 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 48 Reference Cell B
C3097	3/4"	C3000 at Span S6	Zone 49 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 49 Reference Cell A
C3098	3/4"	C3000 at Span S9	Zone 49 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 49 Reference Cell B
C3099	3/4"	C3000 at Span S2	Zone 50 Ref. Cell A	1- #16 Shielded Twisted Pair Zone 50 Reference Cell A
C3100	3/4"	C3000 at Span S6	Zone 50 Ref. Cell B	1- #16 Shielded Twisted Pair Zone 50 Reference Cell B

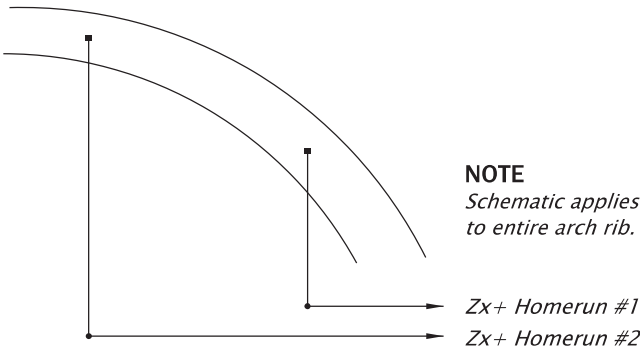
NOTES

1. Branch conduits to reference cell locations and king bar connections are to be determined by Contractor based on a potential survey. Use anode plate branch conduits for king bar connections where possible.
2. Conduit fill numbers are approximate and may change based on findings from the potential survey and king bar locations. Fill numbers show the largest number of conductors and does not indicate where conductors branch to anode plates, rebar connections, or reference cells.

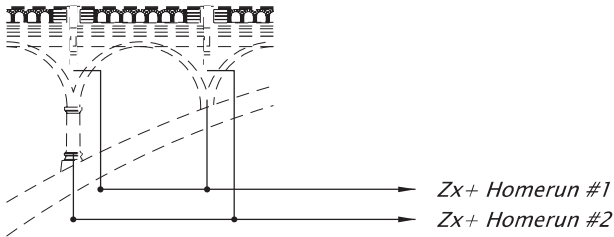
* These fill numbers include wires needed to daisy-chain separate home runs to additional anode plates and king bar connections in separate branch conduits.
3. All shielded, twisted pair wires must be continuous home runs from each reference cell. 0.265" cable diameter assumed in sizing conduits for twisted pair circuits.
4. C2000 and C3000 may be stepped down in size at junction boxes in accordance with NEC fill limits as conductors are routed to their zones along the length of the bridge
5. Complete only two (2) home runs for all terminal plates of a zone and one (1) home run for all king bar connections of a zone.
6. Evenly distribute number of anode plates over the two home runs as shown in schematic diagrams.



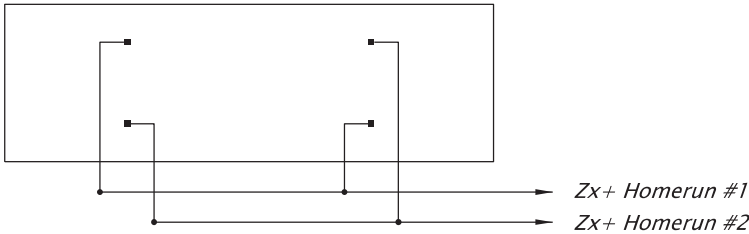
ARCH RIB ZONE: ANODE SCHEMATIC DIAGRAM



ARCH RIB ZONE: ANODE SCHEMATIC DIAGRAM



COLUMN/BEAM: ANODE SCHEMATIC DIAGRAM



DECK SPAN ZONE: ANODE SCHEMATIC DIAGRAM

See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION	
BDS DWG NO. 111720			
CALC. BOOK 7563		Rogue R_Hwy 9 (Gold Beach)	
HWY: 009 M.P.: 327.7		US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY	
COUNTY Curry		Designer: Django Wiedel Drafter: J. Tiltman	Reviewer: Raymond D. Bottenberg, PE, SE Checker: Andrew S. Blower, PE
DATE May 2026	RENEWES: 12-31-2027	CATHODIC PROTECTION CONDUIT SCHEDULE - 4	

CATHODIC PROTECTION ZONES																BOUNDARY NOTES
Cathodic Protection Zone	Spans	Piers	Arch Ribs and Struts			Bottom of Sidewalk	Sidewalk Beams	Bottom of Deck	Longitudinal Deck Beams	Transverse Deck Beams	Columns	Sidewalk Overhang Brackets, Architectural Blocks (Dentals)	Curtain Walls	Curtain Wall Bracing	Abutment	
1	N															Includes curtain wall between original and widened bridge.
2	N															
3	N															
4	N															Upper limit of zone is at top of sidewalk. Includes section of columns below capital that are flush with pier.
5	1															Zone 5 and 9 are separated by the longitudinal construction joint in the curtain wall.
6	1															Zone 6 and 10 are separated by the longitudinal construction joint in the curtain wall.
7	1															Includes all transverse beams contained within the first half of the span except for Beam "M" as shown on sheet JA02.
8	1															Includes all transverse beams contained within the the second half of the span except for Beam "M", as shown on sheet JA02.
9	1															Zone is approximately one span, separated at piers. Each zone will include one pier column, 2 struts, and 1 beam "M".
10	1															Same as Zone 9.
11	2															Zone 11 and 15 are separated by the longitudinal construction joint in the curtain wall.
12	2															Zone 12 and 16 are separated by the longitudinal construction joint in the curtain wall.
13	2															Same as Zone 7.
14	2															Same as Zone 8.
15	2															Same as Zone 9.
16	2															Same as Zone 9.
17	3															Zone 17 and 21 are separated by the longitudinal construction joint in the curtain wall.
18	3															Zone 18 and 22 are separated by the longitudinal construction joint in the curtain wall.
19	3															Same as Zone 7.
20	3															Same as Zone 8.
21	3															Same as Zone 9.
22	3															Same as Zone 9.
23	4															Zone 23 and 27 are separated by the longitudinal construction joint in the curtain wall.
24	4															Zone 24 and 28 are separated by the longitudinal construction joint in the curtain wall.

ZONE DESCRIPTION GENERAL NOTES
Notes apply to sheets JA36 and JA37.

- 1) Zone boundaries extend to a distance of 8" from existing ground on structural elements that intersect the ground.
- 2) Zone boundaries extend to a distance of 8" above the MHHW on pier faces.

See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO. 01172		OREGON DEPARTMENT OF TRANSPORTATION
BDS DWG NO. 111721		Rogue R_Hwy 9 (Gold Beach) US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY
CALC. BOOK 7563		Designer: Django Wiedel Reviewer: Raymond D. Bottenberg, PE, SE
HWY: 009 M.P.: 327.7		Drafter: J. Tilman Checker: Andrew S. Blower, PE
COUNTY Curry		CATHODIC PROTECTION ZONE DESCRIPTIONS - ZONES 1-24
DATE May 2026		SHEET NO. JA36

CATHODIC PROTECTION ZONES																
Cathodic Protection Zone	Spans	Piers	Arch Ribs and Struts			Bottom of Sidewalk	Sidewalk Beams	Bottom of Deck	Longitudinal Deck Beams	Transverse Deck Beams	Columns	Sidewalk Overhang Brackets, Architectural Blocks (Dentals)	Curtain Walls	Curtain Wall Bracing	Abutment	BOUNDARY NOTES
25	4					●	●	●								Same as Zone 7.
26	4					●	●	●								Same as Zone 8.
27	4		●					●	●		●	●				Same as Zone 9.
28	4		●					●			●	●				Same as Zone 9.
29	5			●	●				●		●					Zone 29 and 33 are separated by the longitudinal construction joint in the curtain wall.
30	5			●	●				●		●					Zone 30 and 34 are separated by the longitudinal construction joint in the curtain wall.
31	5					●	●	●								Same as Zone 7.
32	5					●	●	●								Same as Zone 8.
33	5		●					●	●		●	●				Same as Zone 9.
34	5		●					●			●	●				Same as Zone 9.
35	6			●	●				●		●					Zone 35 and 39 are separated by the longitudinal construction joint in the curtain wall.
36	6			●	●				●		●					Zone 36 and 40 are separated by the longitudinal construction joint in the curtain wall.
37	6					●	●	●								Same as Zone 7.
38	6					●	●	●								Same as Zone 8.
39	6		●					●	●		●	●				Same as Zone 9.
40	6		●					●			●	●				Same as Zone 9.
41	7			●	●				●		●					Zone 41 and 45 are separated by the longitudinal construction joint in the curtain wall.
42	7			●	●				●		●					Zone 42 and 46 are separated by the longitudinal construction joint in the curtain wall.
43	7					●	●	●								Same as Zone 7.
44	7					●	●	●								Same as Zone 8.
45	7		●					●	●		●	●				Same as Zone 9.
46	7		●					●			●	●				Same as Zone 9.
47	5	●		●	●				●	●						Upper limit of zone is at top of sidewalk. Includes section of columns below capital that are flush with pier.
48	5					●	●	●	●		●					Includes curtain wall between original and widened bridge.
49	5					●	●	●	●		●		●			Includes curtain wall between original and widened bridge.
50	5			●	●				●	●	●					Includes east side curtain wall.

See sheet J01 for Accompanied By Drawings and Informational Drawings.

STRUCTURE NO.
01172

BDS DWG NO.
111722

CALC. BOOK
7563

HWY: 009
M.P.: 327.7

COUNTY
Curry

DATE
May 2026

REGISTERED PROFESSIONAL
ENGINEER

19,140
DIGITALLY SIGNED 2026.06.29
19:30:09 -07'00'

OREGON
JULY 15, 1997
RAYMOND DALE BOTTENBERG

RENEWS: 12-31-2027

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Rogue R_Hwy 9 (Gold Beach)

US101: GOLD BEACH (ROGUE RIVER)
BRIDGE PROJECT

OREGON COAST HIGHWAY
CURRY COUNTY

Designer: Django Wiedel

Drafter: J. Tilman

Reviewer: Raymond D. Bottenberg, PE, SE

Checker: Andrew S. Blower, PE

CATHODIC PROTECTION
ZONE DESCRIPTIONS - ZONES 25-50

SHEET NO.
JA37

LEGEND & SYMBOLS

CABINETS

- SST

C

Install stainless steel cabinet (ground mount),for product information see sheet JA18 and 01285.21. See KB02 and KB03 for installation details.
- CP

C

Cathodic protection control cabinet,see “JA” series sheets for installation details.
- C

Install termination enclosure as specified in 00985,see KB02 for installation details.
- BMCL

Install base mounted service cabinet with Illumination control,120/240V metered, see ODOT Blue Sheets for product information and KB01 for installation Details.
- EX

MS

Retain and protect existing meter service.
- RX

C

Remove existing cabinet.
- RX

MS

Remove existing meter service.

CONDUIT

- BC

S

Install (S=size) inch rigid metallic electrical conduit,conduit bodies,expansion fittings, and surface mounted metallic junction boxes as required.Submit to Engineer the proposed method of attachment to the bridge for approval. See 00985 for product information and “J” series sheets for bridge attachment details.
- S

Install (S=size) inch electrical conduit,see ODOT Blue Sheets for product information and TM700 and TM701 for installation details.
- CP

EC

Cathodic protection conduit and conductors,see “J” series sheets for quantity, size, type,routing,and installation details.
- EX

EC

Retain and protect existing electrical conduit.
- EX

EC

S

Retain and protect existing (S=size) inch electrical conduit.
- RX

EC

Remove existing electrical conduit.

CONDUCTORS AND CABLES

- N

G

Install (N=number) No.(G=AWG wire size) type XHHW conductors,see ODOT Blue Sheets for product information.
- 1

16

Install No.16 AWG THWN stranded copper conductor for locate purposes,see ODOT Blue Sheets for product information.
- G

Install No.6 copper ground conductor,see ODOT Blue Sheets for product information.
- N-WG

Install (N=number) No.(W=AWG wire size) type XHHW stranded copper ground conductors green in color,see ODOT Blue Sheets for product information.
- PL

Install polyethylene poly pull line (1200-pound min.break strength).
- NET

Install industrial Ethernet cable,see ODOT Blue Sheets for product information.
- TSC

Install air temperature/relative humidity sensor cable as specified in 00985.
- ASC

Install anemometer sensor cable as specified in 00985.
- GR

Install ground rod,see ODOT Blue Sheets for product information.
- EX

W

Retain and protect existing conductors.
- RX

W

Remove existing conductors.

EQUIPMENT

- WM

N

Install No.(N) wall mount luminaire,see 00985 for product information.
- RWS

Install air temperature/relative humidity and anemometer atmospheric sensors and accessories as specified in 00985,see KB02 for installation details.
- CAM

Install fixed mount traffic camera (Agency furnished),see KB02 for installation details.
- DIN

F

Install Fiber Optic Interconnect DIN Rail Bracket (Communications Bracket), see ODOT Green Sheets for product information.
- EX

TFR

Retain and protect existing Utility transformer.
- RX

WM

Remove existing wall mounted luminaire.
- RX

CAM

Remove existing traffic camera.
- RX

RWS

Remove existing RWIS sensors.

POLES

- EX

1

Retain and protect existing Utility pole.
- EX

LP

Retain and protect existing luminaire pole.

JUNCTION BOXES

- JB

2A

Install 22” x 12” x 12” polymer concrete junction box with concrete apron,see ODOT Blue Sheets for product information and TM702 for installation details.
- EX

JB

Retain and protect existing junction box.

SIGNS

- EX

S

Retain and protect existing static sign.

LINE TYPES

- Install conduit
-

Existing conduit
- Fog line
- =====

Centerline
- ———

Skip stripe
- — — — —

Edge of pavement
- - - - -

Edge of gravel
- =====

Existing guardrail
- · — · — · — · —

Existing fence
- Existing roadway barrier
-

Existing pipe
- Existing sidewalk
- A E ———

Existing aerial electrical lines
- U E ———

Existing underground electrical services
- U T ———

Existing underground telecommunication services
- A T ———

Existing aerial telecommunication services
- A T FO —

Existing aerial fiber optic cable
- U T FO —

Existing underground fiber optic cable
- =====

Existing sound wall barrier
- · — · — · — · —

Existing cable barrier

SYMBOLS

- ➔

Direction of traffic
- Utility pole
- ➔

Anchor
- ☐

Junction box
- ☒

Cabinet
- ☒

Base mounted meter service cabinet
- ☼

Foliage
- ☼

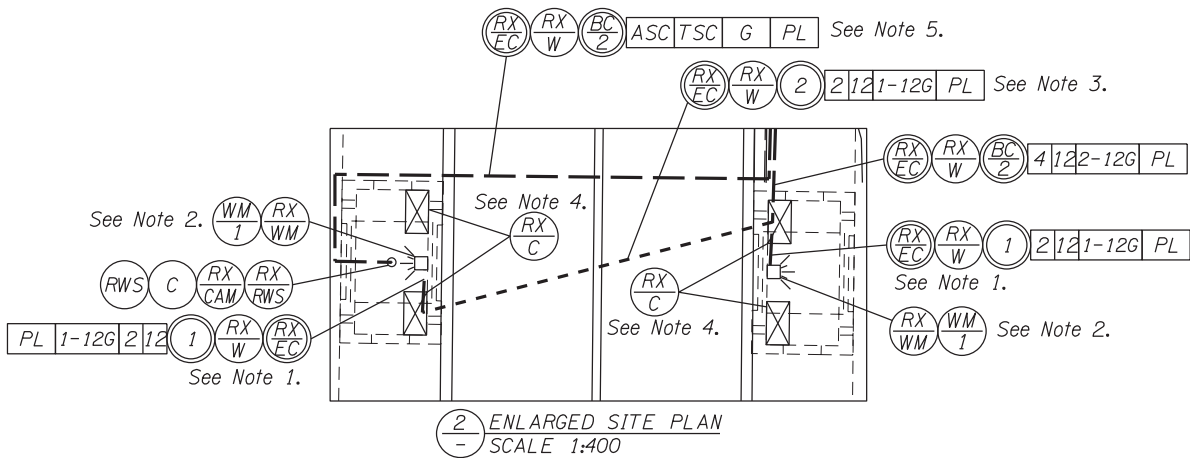
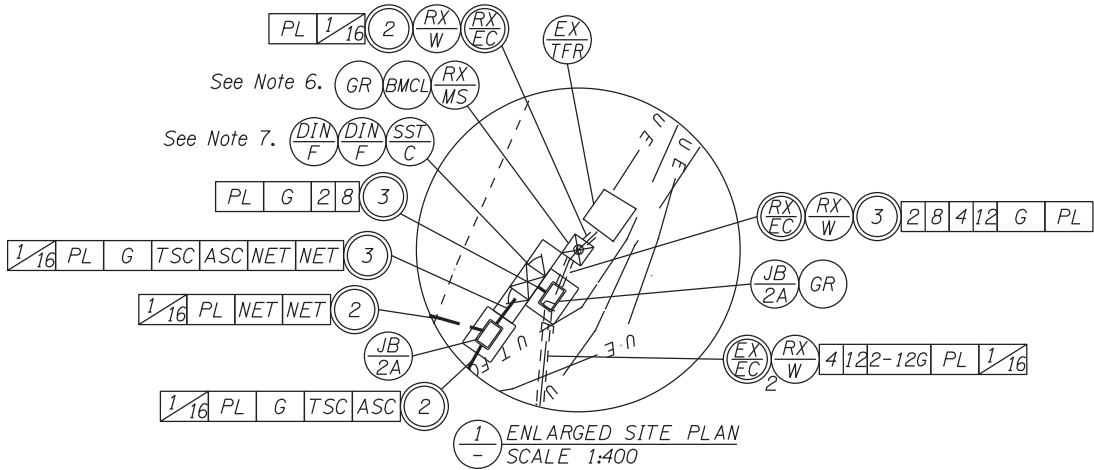
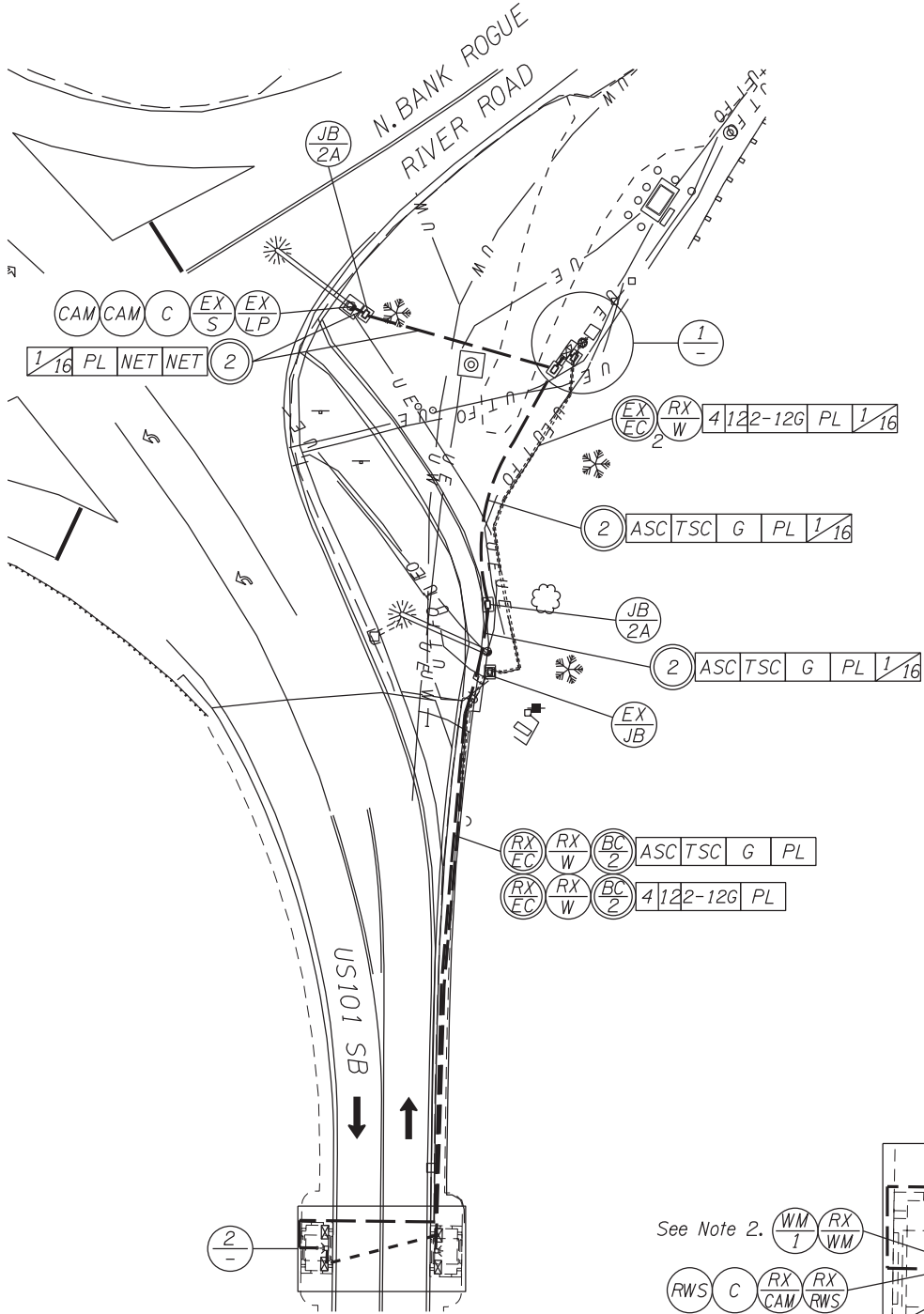
Existing luminaire
- ☐

Remote power service

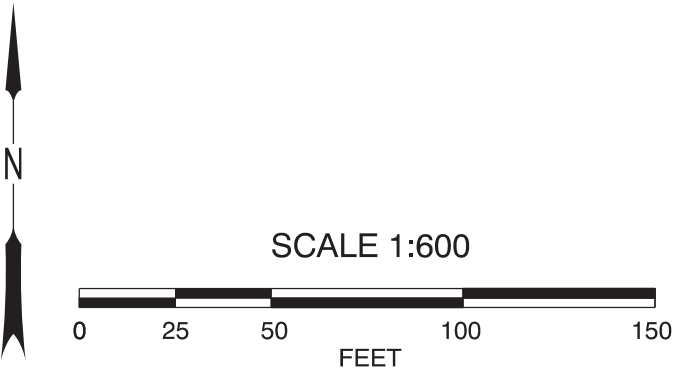
General Notes:
1. Oregon law requires the rules set forth in OAR 952-001-0010 through 950-001-0090 adopted by the Oregon Utility Notifications Center,to be observed.Copies of these rules may be obtained from the Center.Prior to excavation or drilling,verify depth and location of Utilities.Employ hand tools or other non-invasive methods to determine the exact location of the underground facility when excavation or drilling is to be made within 5 feet of the Utility locate.Maintain a minimum of 12 inch separation between new conduit and existing Utility conduit during installation.

ACCOMPANIED BY DWGS.: TM700, TM701, TM702		HWY: 009 M.P.: 327.51-327.88		REGISTERED PROFESSIONAL ENGINEER 86005PE Digitally Signed 2026.05.11 11:38:01 -07'00' OREGON JULY 12, 2016 BLAINE C. VAN DYKE	OREGON DEPARTMENT OF TRANSPORTATION	
		COUNTY CURRY			US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY	
		ITS DWG. NO. ITS-4142		RENEWLS: 06-30-2028 FINAL ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST		
				DESIGNER: Blaine Van Dyke DRAFTER: Blaine Van Dyke		
				REVIEWER: Ron Blacketer CHECKER: Doug Spencer		
				INTELLIGENT TRANSPORTATION SYSTEMS SITE PLAN		
				SHEET NO. KA01		

RWIS INSTALLATION
AND BRIDGE ILLUMINATION
US101 OREGON COAST HIGHWAY (009)
MP 327.51



- General Notes:**
1. Maintain a minimum separation of 12 inches from any existing utility conduit when installing new conduit and cabinet foundations.
- Notes:**
1. Remove existing GFCI outlets and housing. Install rigid metal conduit for lighting.
 2. Install new wall mount luminaire at height of existing luminaire.
 3. Remove existing conduit and conductors. Install new rigid metal conduit and conductors for lighting in maintenance access area.
 4. See Bridge plans for filling unused holes in deck after removing existing cathodic protection cabinets.
 5. Attach conduit for RWIS sensors and camera conductors external to bridge structure. See Bridge plans for additional conduit attachment details.
 6. Coordinate with Coos-Curry Electric to temporarily disconnect service to install new meter service. See 00960.46 for Utility contact information.
 7. See KB02 and KB03 for cabinet installation details.



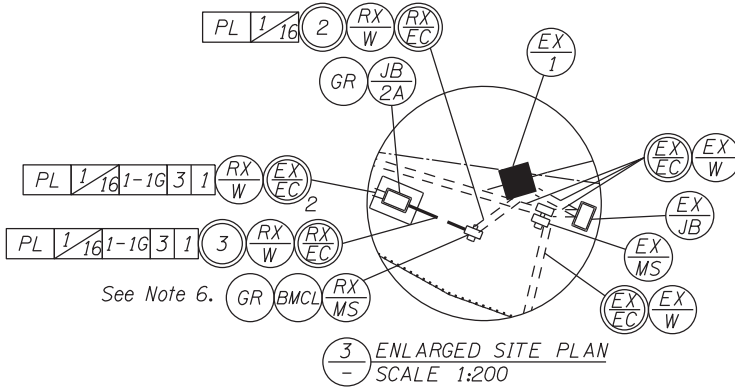
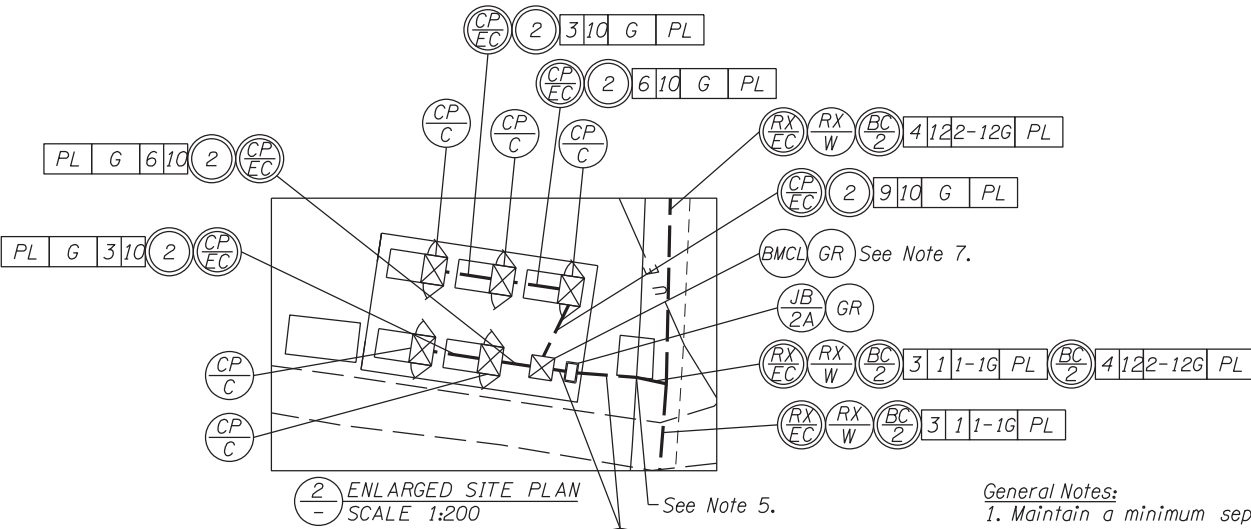
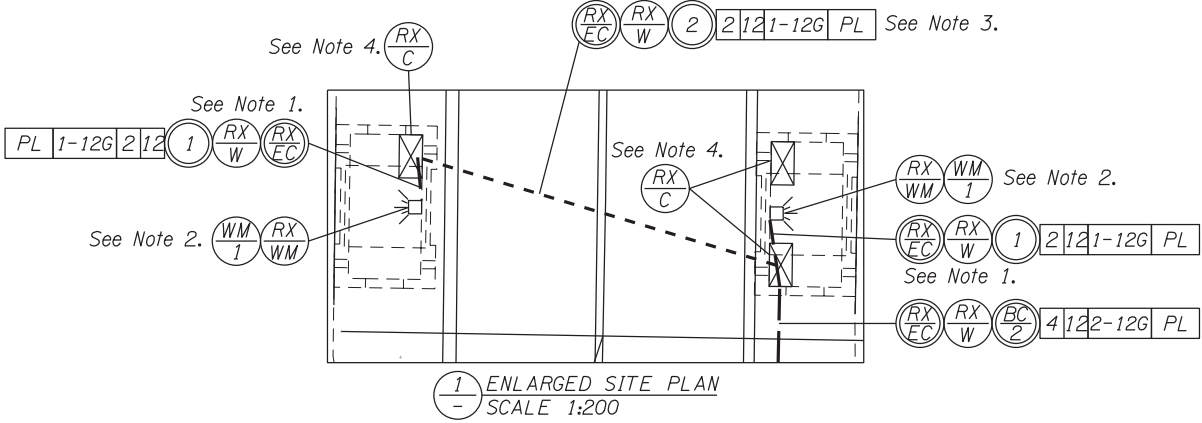
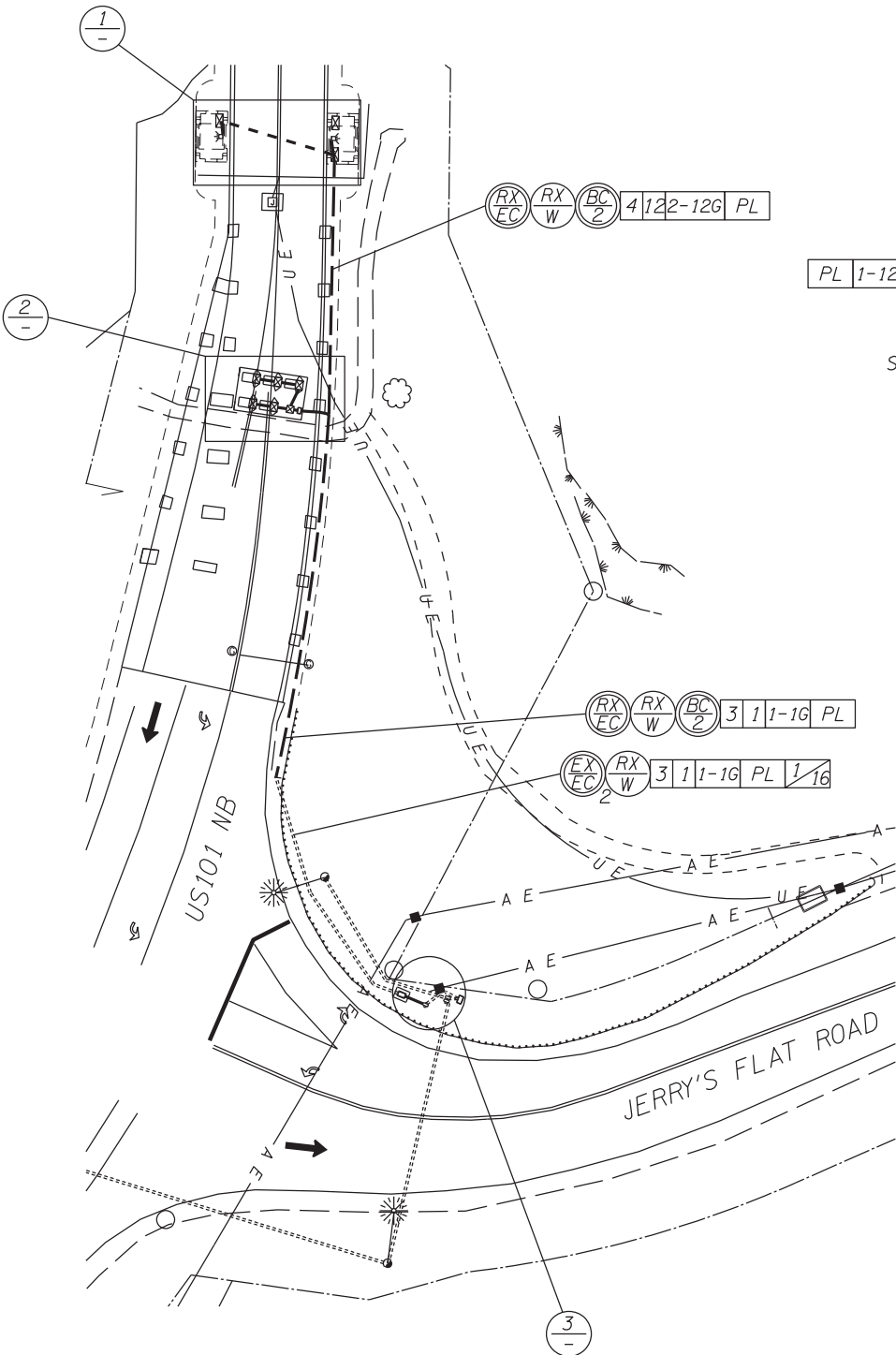
HWY: 009 M.P.: 327.51
COUNTY CURRY
ITS DWG. NO. ITS-4143



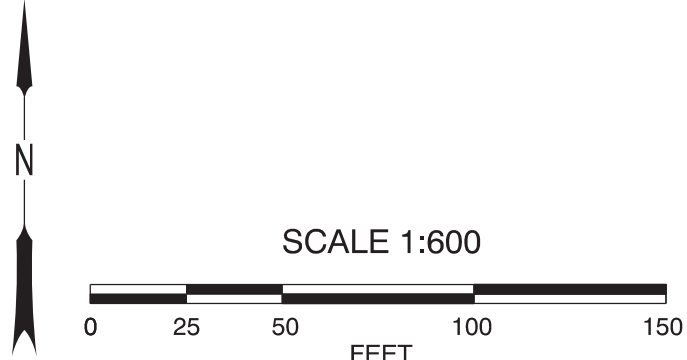
RENEWS: 06-30-2028
FINAL ELECTRONIC DOCUMENT
AVAILABLE UPON REQUEST

OREGON DEPARTMENT OF TRANSPORTATION	
US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY	
Designer: Blaine Van Dyke Drafter: Blaine Van Dyke	Reviewer: Ron Blacketer Checker: Doug Spencer
INTELLIGENT TRANSPORTATION SYSTEMS SITE PLAN	
SHEET NO. KA02	

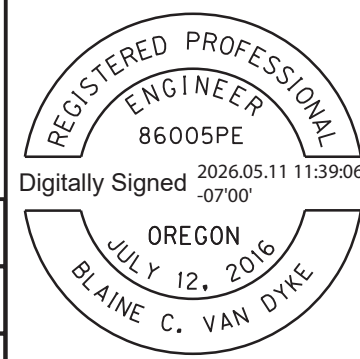
CATHODIC PROTECTION SYSTEM POWER
AND BRIDGE ILLUMINATION
US101 OREGON COAST HIGHWAY (009)
MP 327.88



- General Notes:**
1. Maintain a minimum separation of 12 inches from any existing utility conduit when installing new conduit and cabinet foundations.
- Notes:**
1. Remove existing GFCI outlets and housing. Install rigid metal conduit for lighting.
 2. Install new wall mount luminaire at height of existing luminaire.
 3. Remove existing conduit and conductors. Install new conduit and conductors for lighting in maintenance access area.
 4. See Bridge plans for filling existing unused holes in deck after removing existing cathodic protection cabinets.
 5. See Bridge plans for additional conduit attachment to structure and conduit routing details.
 6. Coordinate with Coos-Curry Electric to temporarily disconnect service to install new meter service. See 00960.46 for Utility contact information.
 7. Meter shall not be installed in BMCL, see KB01 for details.



HWY: 009
M.P.: 327.88
COUNTY
CURRY
ITS DWG. NO.
ITS-4144



RENEWS: 06-30-2028
FINAL ELECTRONIC DOCUMENT
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OREGON DEPARTMENT
OF TRANSPORTATION

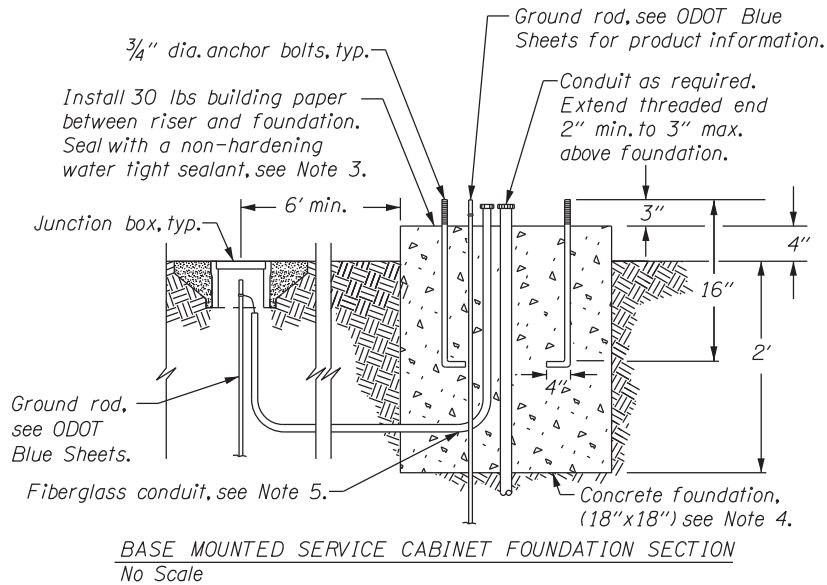
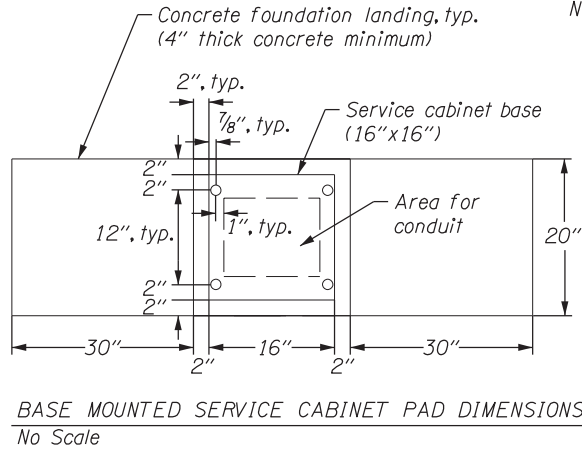
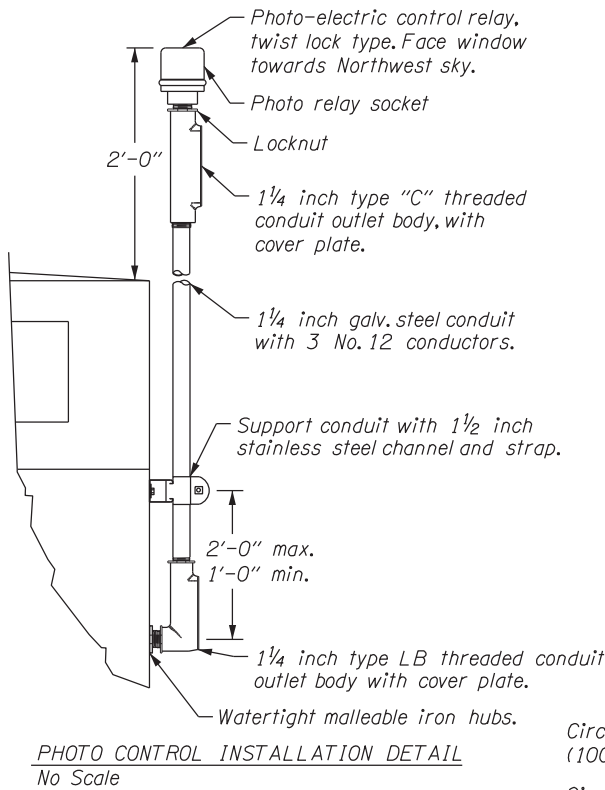
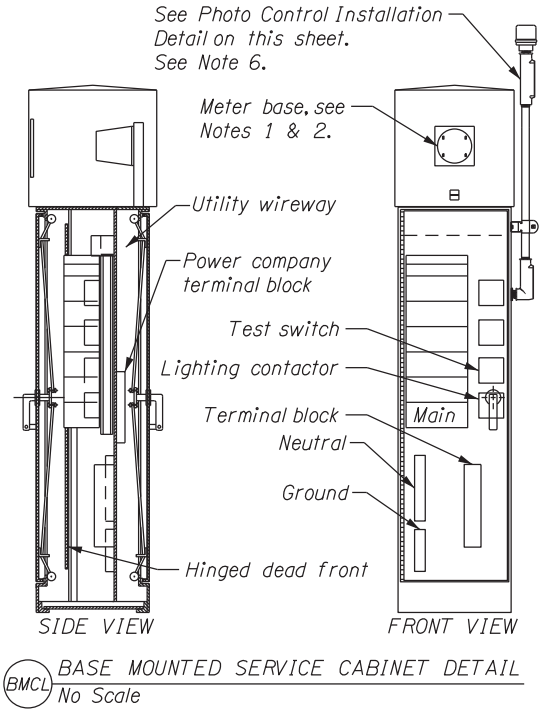


US101: GOLD BEACH (ROGUE RIVER)
BRIDGE PROJECT
OREGON COAST HIGHWAY
CURRY COUNTY

Designer: Blaine Van Dyke
Reviewer: Ron Blacketer
Drafter: Blaine Van Dyke
Checker: Doug Spencer

INTELLIGENT TRANSPORTATION SYSTEMS
SITE PLAN

SHEET NO.
KA03



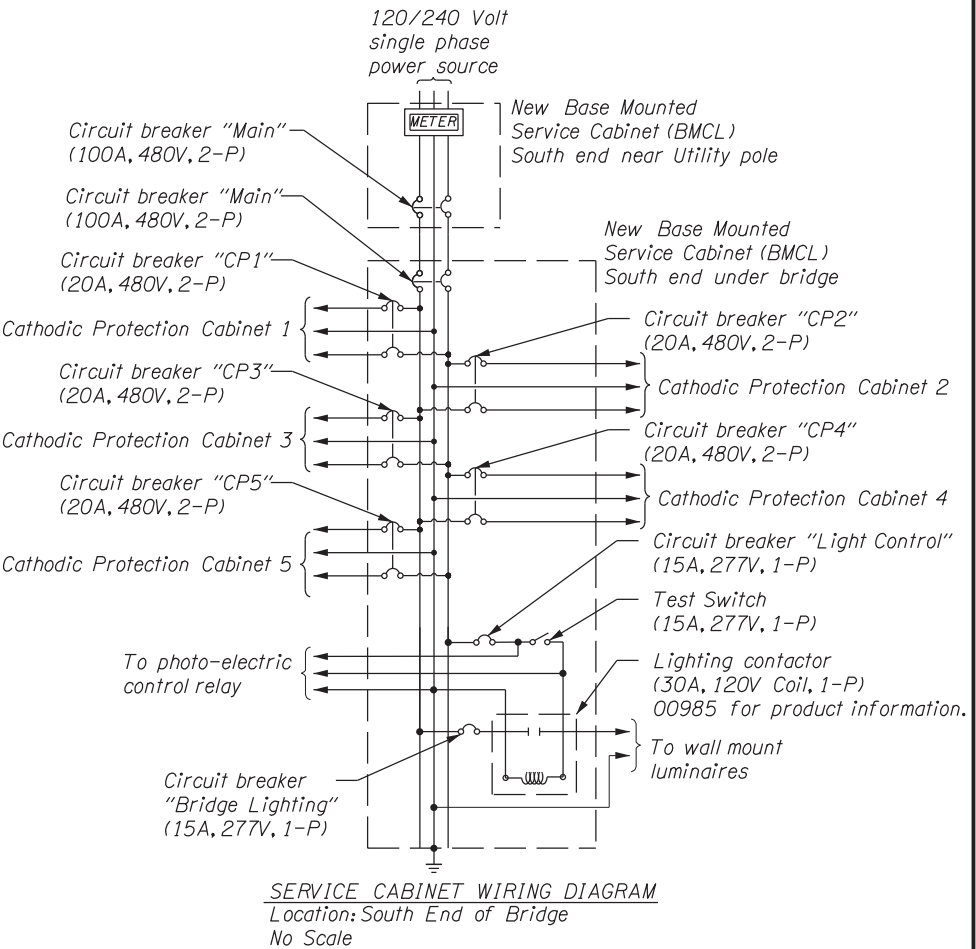
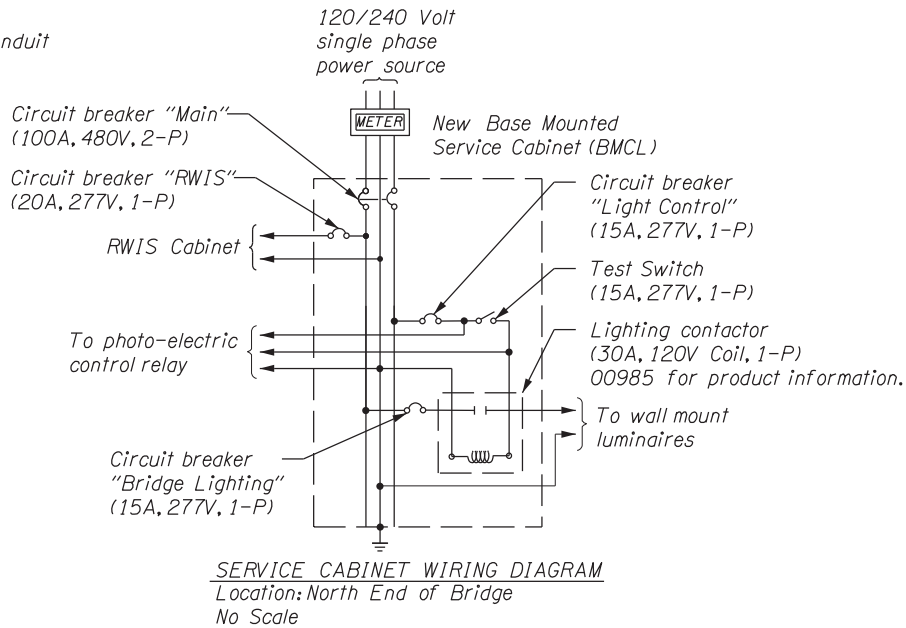
General Notes:

1. Material Table on this sheet applies to all KB series sheets.
2. Contractor is responsible for determining anchor bolt spacing and pad dimensioning prior to pouring foundation.
3. All conduits not shown in foundation for clarity, see Site Plans for size and quantity.

Notes:

1. At North end of bridge and South end of bridge by utility pole provide a manual bypass meter base with ANSI-C12.7 or UL/ANSI-C12.7 compliant safety socket as required by Utility. Coordinate power installation, meter location, and meter orientation with Utility.
2. At South end of bridge under bridge install UL83 Type XHHW 2 AWG min. jumpers in place of meter base and cover meter socket with liquid-tight fully gasketed Type 304 stainless steel or 6061-T6 aluminum plate.
3. Use elastomeric sealant meeting ASTM C 920 for exterior applications. Apply sealant when ambient temperature is between 40 and 90 degrees F. Clean surface from dirt, frost, moisture, grease, oil, wax, lacquer, paint, or other foreign matter that would tend to destroy or impair adhesion. Remove oil and grease with solvent. Surfaces must be wiped dry with clean cloths prior to applying. Apply continuous sealant bead of 1/4 in. width around surface. Upon completion of sealant remove remaining smears and stains and leave work in a neat manner.
4. Concrete foundation must comply with 00440.
5. Conduit in concrete foundations shall be fiberglass. Extend 2 to 3 inches vertically above the top of foundation and 10 to 12 inches horizontally beyond edge of foundation.
6. Install Photo Control on base mounted service cabinet at north end of bridge and at south end in service cabinet next to cathodic protection cabinets under bridge. Do not install Photo Control at south end base mounted service cabinet next to utility pole.

MATERIAL TABLE	
MATERIAL	MATERIAL DESCRIPTION
Bolt	ASTM A307 Grade A or B, galvanized steel, hex, comply with 02560.40.
Nut	ASTM A563 Grade A, C, D, or DH, galvanized steel, heavy hex, comply with 02560.40.
Washer	ASTM F436, galvanized steel
U-bolt	ASTM A307 Grade A or B, galvanized steel
Framing channel	ASTM A123/A153 hot-dipped galvanized steel, or ASTM A1059/A1046 zinc alloy coated steel.
Strut clamp	ASTM A123/A153 hot-dipped galvanized steel, or ASTM A1059/A1046 zinc alloy coated steel.
Anchor bolt	ASTM F1554 Grade 36 or 55, carbon steel
Conduit straps	ASTM A123 or A153 hot-dipped galvanized steel, UL 2239 listed
Conduit fittings	Hot-dip galv. malleable iron conduit body, see 00985 for material specifications.
Cord grip	UL514B listed, Type 304 stainless steel body, watertight, with nylon or rubber bushing.
Pipe	ASTM A-312 Schedule 40 type 316 stainless steel



HWY: 009 M.P.: 327.51-327.88
COUNTY CURRY
ITS DWG. NO. ITS-4145

RENEWS: 06-30-2028

FINAL ELECTRONIC DOCUMENT
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OREGON DEPARTMENT OF TRANSPORTATION



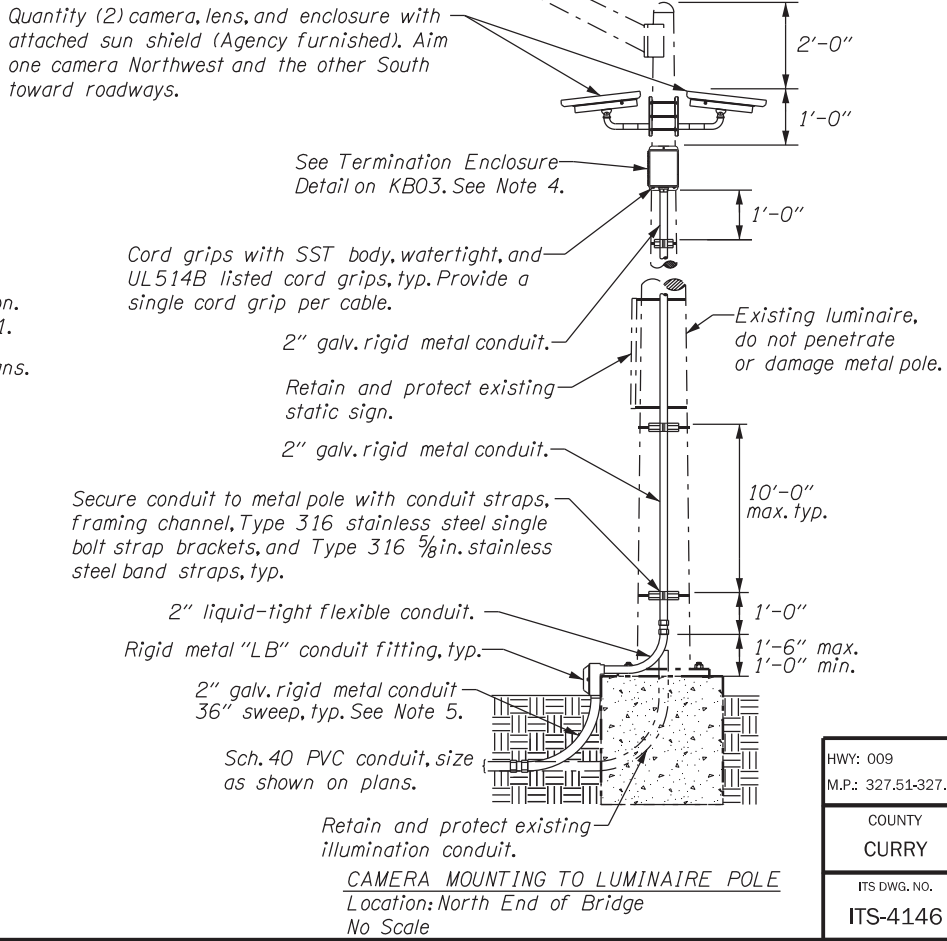
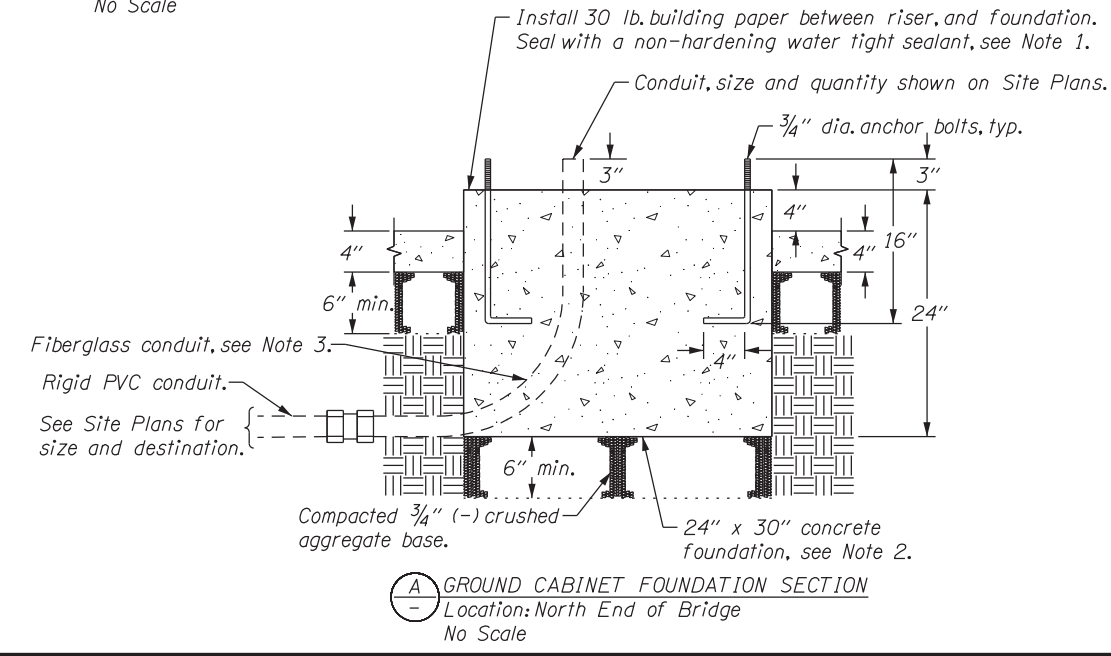
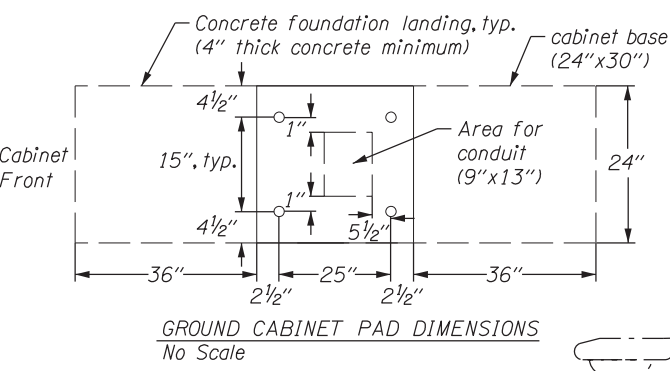
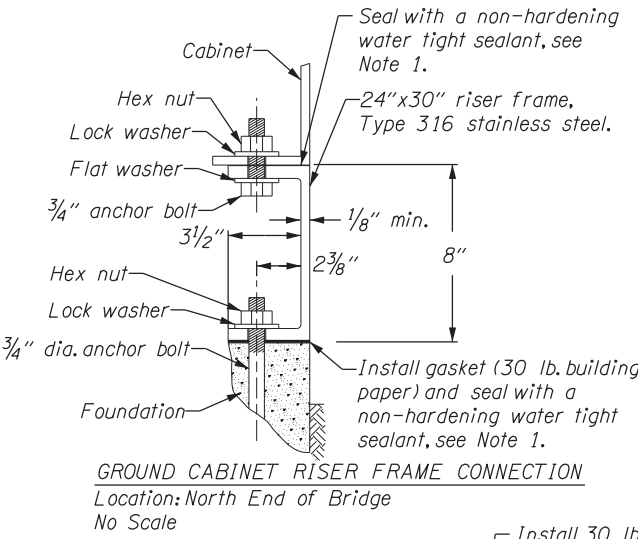
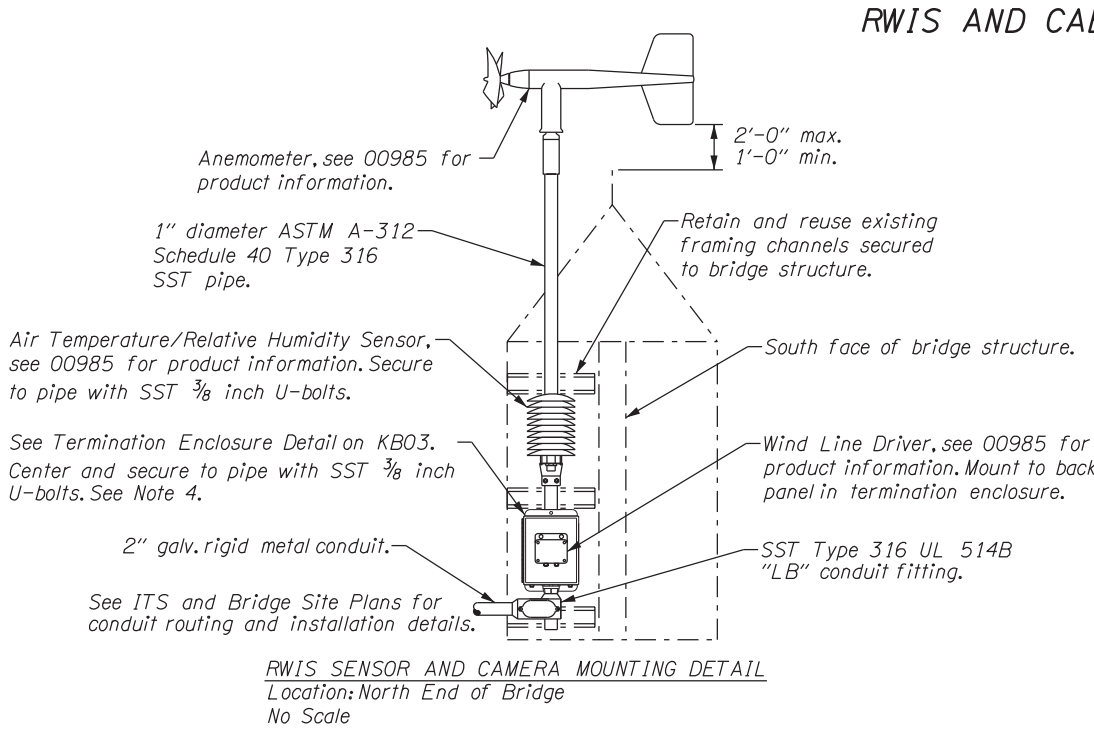
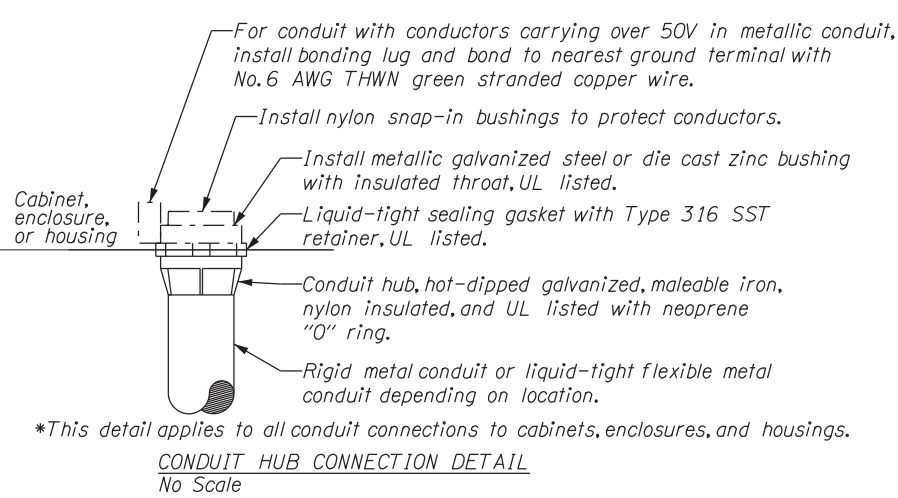
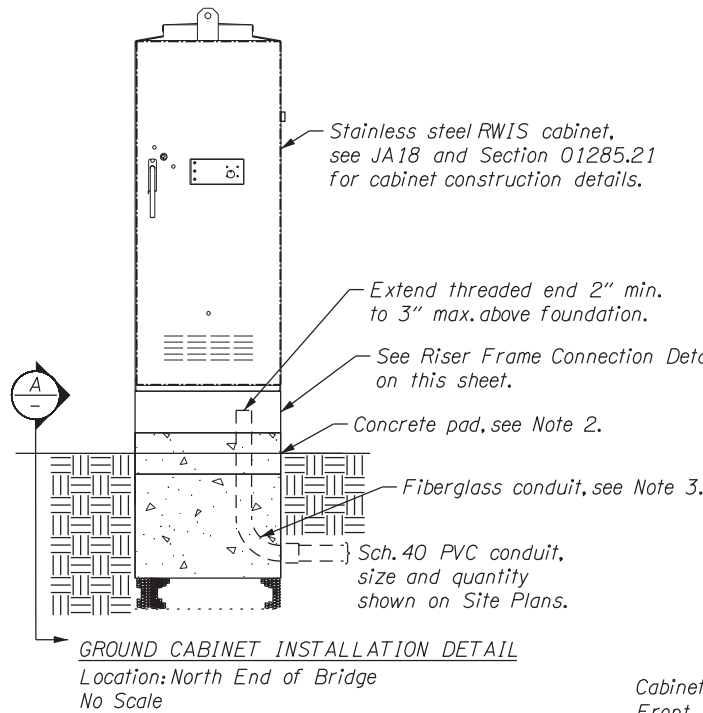
US101: GOLD BEACH (ROGUE RIVER)
BRIDGE PROJECT
OREGON COAST HIGHWAY
CURRY COUNTY

Designer: Blaine Van Dyke
Reviewer: Ron Blacketer
Drafter: Blaine Van Dyke
Checker: Doug Spencer

INTELLIGENT TRANSPORTATION SYSTEMS
EQUIPMENT DETAILS

SHEET NO.
KB01

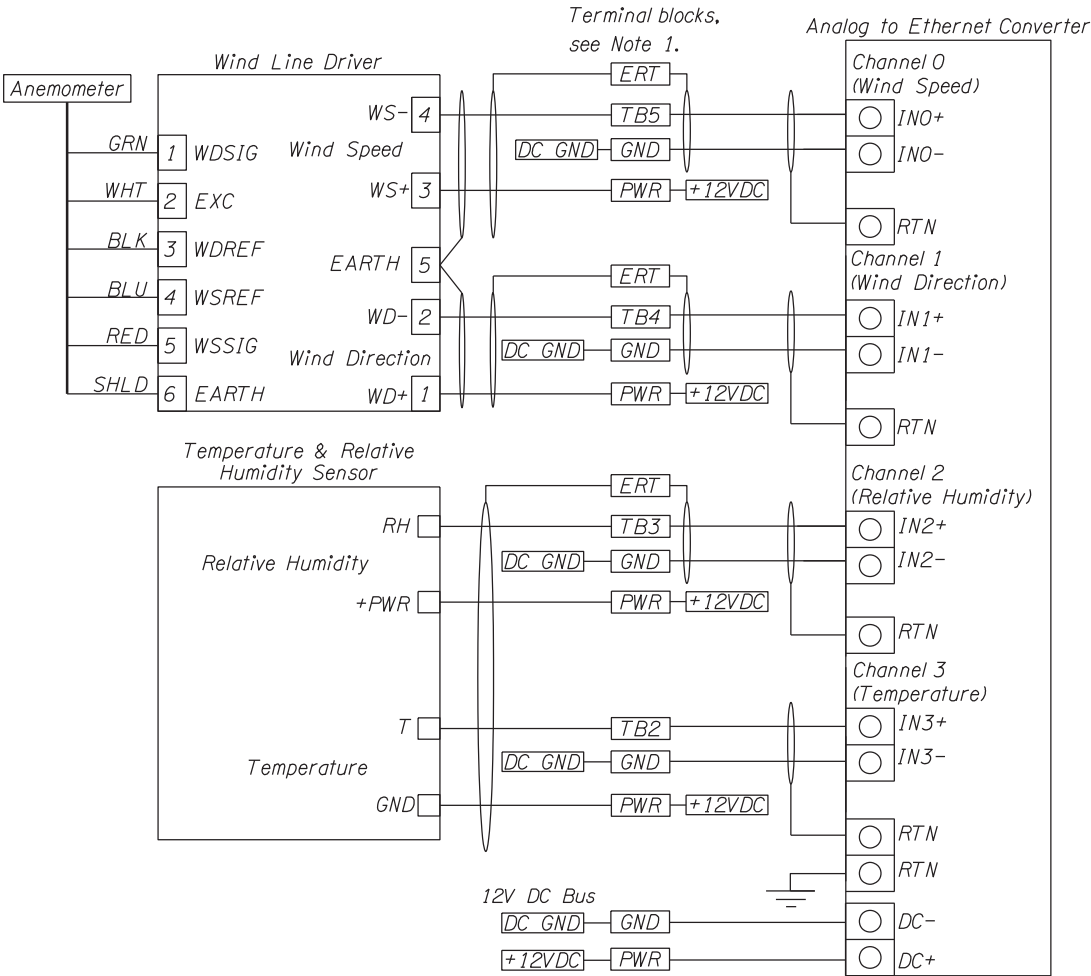
RWIS AND CABINET DETAILS



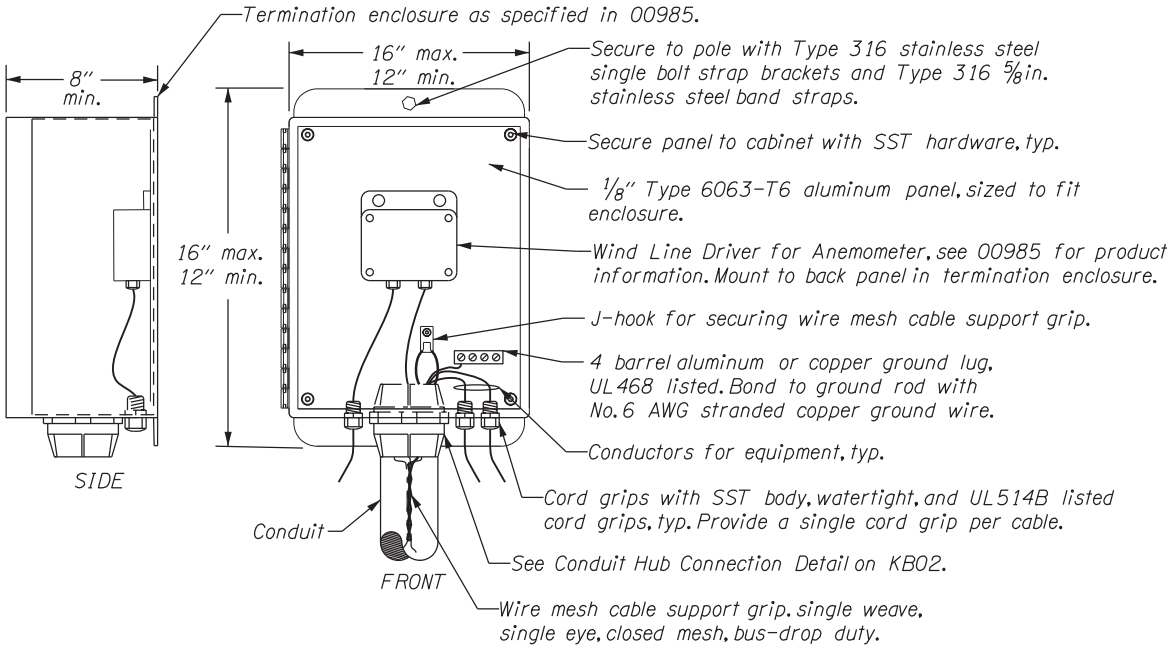
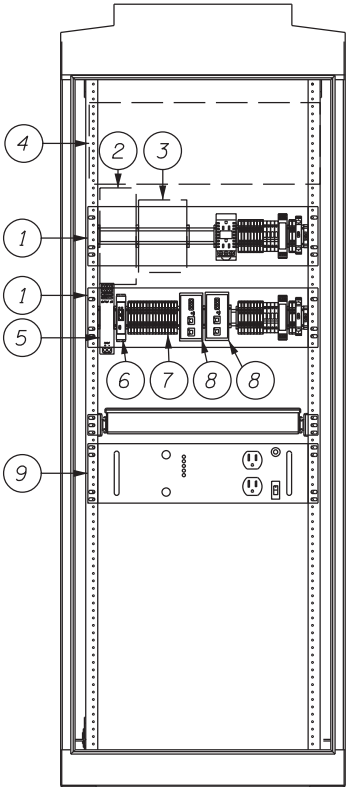
- General Notes:**
1. See Material Table on KB01 for general hardware specifications.
 2. Secure loose cables with UV rated ties specified per the ODOT QPL. Spaced no more than 3 ft. apart.
 3. Provide drip loops for all exposed cabling.
 4. All sensor cables must be continuous to the cabinet. No splices will be accepted. Contractor must field verify length prior to installing cable. Coil excess of each cable in cabinet.
 5. Cabinet grounding conductors must be green, stranded, copper, THWN, minimum No. 6 AWG, and bonded to ground rod.
 6. Contractor is responsible for determining anchor bolt spacing and pad dimensioning prior to pouring foundation.
 7. All conduits not shown in foundation for clarity, see Site Plans for size and quantity.
 8. Riser frame bolts, nuts, and washers must be ASTM F593 stainless steel.
 9. Repair damaged hot-dip galvanized surfaces with spray or brush on coating containing 95% zinc content.
- Notes:**
1. Use elastomeric sealant meeting ASTM C 920 for exterior applications. Apply sealant when ambient temperature is between 40 and 90 degrees F. Clean surface from dirt, frost, moisture, grease, oil, wax, lacquer, paint, or other foreign matter that would tend to destroy or impair adhesion. Remove oil and grease with solvent. Surfaces must be wiped dry with clean cloths prior to applying. Apply continuous sealant bead of 1/4 in. width around surface. Upon completion of sealant remove remaining smears and stains and leave work in a neat manner.
 2. Concrete foundation must comply with 00440.
 3. Conduit in concrete foundations shall be fiberglass. Extend 2 to 3 inches vertically above the top of foundation and 10 to 12 inches horizontally beyond edge of foundation.
 4. Coil minimum 3 feet of slack cable in enclosure. Route cables through enclosure and conduit to RWIS cabinet.
 5. Wrap galvanized steel conduit in foundation with ASTM D1000 10 mil thick vinyl tap to prevent corrosion.

 Digitally Signed 2026.05.11 11:40:12 -07'00'	OREGON DEPARTMENT OF TRANSPORTATION	
	US101: GOLD BEACH (ROGUE RIVER) BRIDGE PROJECT OREGON COAST HIGHWAY CURRY COUNTY	
	Designer: Blaine Van Dyke Drafter: Blaine Van Dyke	Reviewer: Ron Blacketer Checker: Doug Spencer
HWY: 009 M.P.: 327.51-327.88 COUNTY CURRY ITS DWG. NO. ITS-4146	RENEW: 06-30-2028 FINAL ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST	INTELLIGENT TRANSPORTATION SYSTEMS EQUIPMENT DETAILS SHEET NO. KB02

MATERIAL / PARTS LIST		
ITEM	NOMENCLATURE	MATERIAL DESCRIPTION
1	Communications bracket	Fiber Optic Interconnect Communications Bracket, see ODOT Green Sheets for product information.
2	Network switch	(Agency furnished and installed) DIN mounted, shown for space accommodation (3" w x 8" h).
3	Network router	(Agency furnished and installed) DIN mounted, shown for space accommodation (4" w x 6" h).
4	ATC 2070 controller	(Agency furnished and installed) Rack mounted, shown for space accommodation (19" w x 7" h).
5	Power supply	See 00985 for product information.
6	Analog to Ethernet converter	See 00985 for product information.
7	Terminal blocks	Sectional, double terminal, barrier-type, 300V rated, UL 1059 listed. Quantity as required. See Terminal Block Layout on this sheet.
8	PoE fixed camera power supply	(Agency furnished), mount on DIN bracket in cabinet.
9	Line conditioner	(Agency furnished) Mount in cabinet.



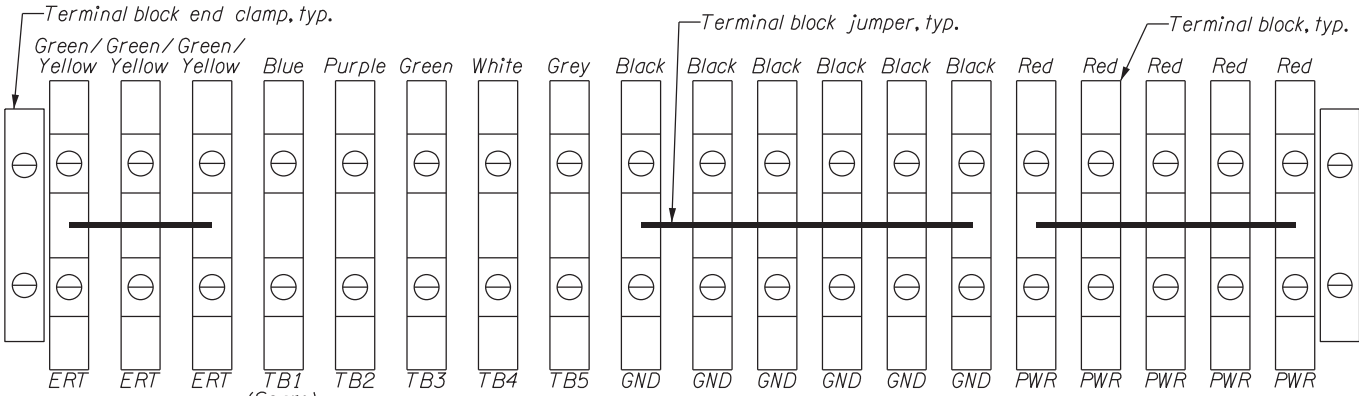
SENSOR WIRING DIAGRAM
Location: North End of Bridge



TERMINATION ENCLOSURE DETAIL
No Scale

- General Notes:
1. Furnish stainless steel RWIS cabinet as specified in 01285.21 and JA18. Cabinet shall have 19 inch equipment rack as specified in 01285.22 with lights, fans, shelf, and without cathodic protection electronics included.
 2. All conductors must be clearly marked with heat shrink type tags. Label on the conductors must match the wiring diagram shown.
 3. Conductors within cabinet shall be UL83 16 AWG THWN copper stranded conductors, unless otherwise noted.
 4. Remove AC receptable as needed from Fiber Optic Interconnect Communications Bracket to accomodate equipment.
 5. Provide minimum 6 ft. of Ethernet cable slack for cameras in cabinet. Coil and stow with UV rated ties.
 6. Terminate all power supplies on line conditioner.

- Notes:
1. Terminal block labels correspond with Terminal Block Layout Detail on this sheet.



TERMINAL BLOCK LAYOUT
Location: North End of Bridge
No Scale

HWY: 009 M.P.: 327.51-327.88
COUNTY CURRY
ITS DWG. NO. ITS-4147



RENEWS: 06-30-2028
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Designer: Blaine Van Dyke Drafter: Blaine Van Dyke	Reviewer: Ron Blacketer Checker: Doug Spencer
INTELLIGENT TRANSPORTATION SYSTEMS EQUIPMENT DETAILS	
SHEET NO. KB03	