2/20/2020 2:36 PM

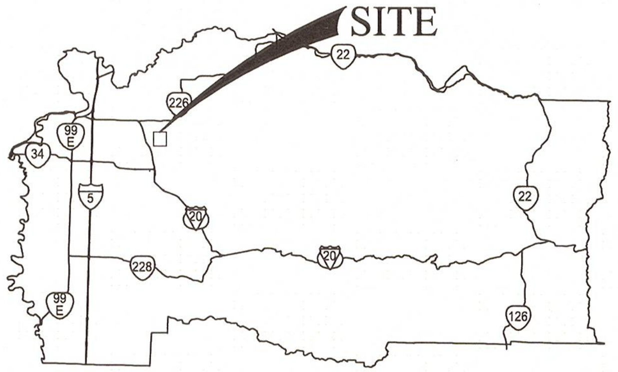
LINN COUNTY ROAD DEPARTMENT

OVERALL PROJECT LENGTH: 0.075 MILES

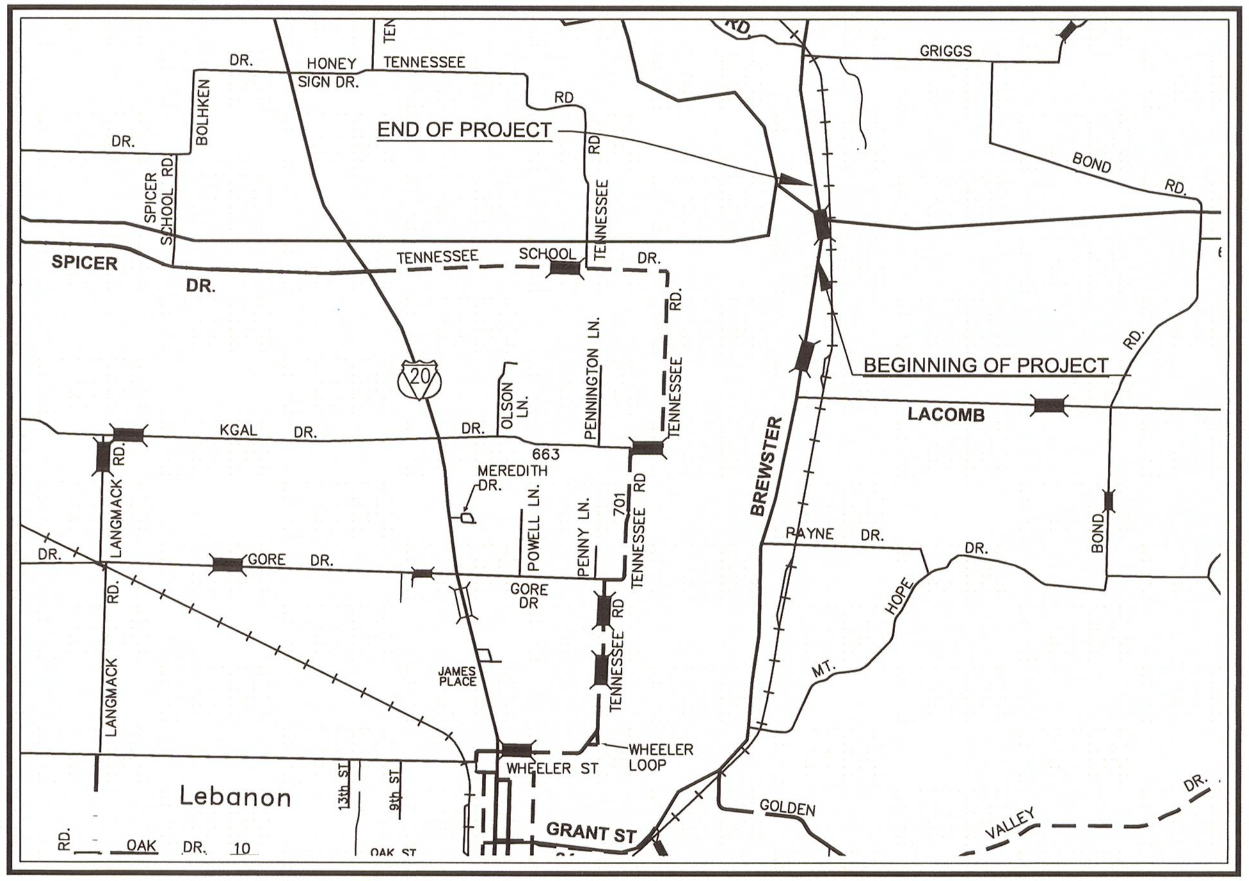
BRIDGES AND ROADWAY

ONE HORSE SLOUGH (BREWSTER ROAD) BRIDGE

LINN COUNTY BRIDGE NO. BR0024-0462
ODOT BRIDGE NO. 23904
APRIL 2020



PROJECT LOCATION



Think SAFETY!

Don't be a Weak Link

English Units

NOTICE NOTICE NOTICE NOTICE NOTICE NOTICE NOTICE NOTICE NOTICE NOTICE NOTICE NOTICE NOTICE

ATTENTION:
Oregon law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0010 through OAR 952-001-0090. You may obtain a copies of the rules by calling the center. (Note: the telephone number for the Oregon Utility Notification Center is (503) 232-1987.)

LINN COUNTY ROAD DEPARTMENT
3010 FERRY STREET SW
ALBANY, OREGON 97322
PHONE: (541) 967-3919
FAX: (541) 924-0202
E-MAIL: Roads@co.linn.or.us

COUNTY COMMISSION
ROGER NYQUIST
CHAIRMAN
JOHN LINDSEY
WILLIAM TUCKER

ROADMASTER
DARRIN L. LANE, P.E.
COUNTY ENGINEER
CHARLES R. KNOLL, P.E.

DATE:	REVISION:	BY:

BRIDGE NO: 0024-0462	DATE: 02/04/2020
PROJECT NO: CB 1901	
TRS: T. 11 S., R. 02 W., SEC. 24 & 25	
DESIGNED BY: A. Potts	CHECKED BY: K. Groom
DRAFTED BY: A. Potts	REVIEWED BY: C. Knoll

ONE HORSE SLOUGH (BREWSTER ROAD) BRIDGE

LINN COUNTY

TITLE SHEET

SCALE: no scale | SHEET 1

REGISTERED PROFESSIONAL ENGINEER
9174
OREGON
JULY 22, 1977
CHARLES RYAN KNOLL
Expires: 6/30/21

K:\Projects - Current\BR 0024-0462 Brewster Rd One Horse Slough Bridge\DWG\OneHorse_Slough_BrewsterRd_Design_File.dwg

2/20/2020 2:19 PM

SHEET INDEX

ODOT Standard Drawing and Detail Numbers:

ROADWAY

RD610 -Asphalt Concrete Pavement Details

GUARDRAIL

RD400, RD405 -Guardrail and Metal Median Barrier and Parts
RD410 -Guardrail Parts (Thrie Beam)
RD415 -Guardrail and Metal Median Barrier Parts
RD420 -Non-Flared Energy-Absorbing Terminal
RD440 - Guardrail Installation at Bridge End

EROSION CONTROL

RD1032 -Sediment Barriers, Type 8

BRIDGE RAIL

BR200 -Concrete Bridge Rail, Type "F"
BR203 -Transition Concrete Bridge Rail to Guardrail
BR233 -Thrie Beam Rail and Transition
BR236 -Trailing End Bridge Connection Concrete Bridge Rail to Guardrail
BR256 -Pedestrian Rail on Type "F" Concrete Bridge Rail

REINFORCED PRESTRESSED SLABS AND BOX GIRDERS

BR440, BR445 -48" Precast Prestressed Box and Details

OTHER BRIDGE SHEETS

BR165 -Bridge End Panel
BR140 -Expansion Joints

PAVEMENT MARKINGS

TM500 -Pavement Marking Standard Detail Blocks

TEMPORARY TRAFFIC CONTROL

TM800 -Tables, Abrupt Edge and PCMS Details
TM820 -Temporary Barricades
TM821, TM822 -Temporary Sign Supports
TM840 -Closure Details

SIGN, ILLUMINATION, AND SIGNAL SUPPORT STRUCTURES

TM676, TM677 -Sign Attachments and Mounts
TM681, TM687 -Perforated Steel Square Tube (PSST) Sign Support Installation, Anchor Foundation

ABBREVIATION LEGEND

ACP	ASPHALT CONCRETE PAVEMENT	LT	LEFT
ACWS	ASPHALT CONCRETE WEARING SURFACE	MAX	MAXIMUM
A.D.	ALGEBRAIC DIFFERENCE	MIN	MINIMUM
BP	BEGINNING OF PROJECT	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
BVCE	BEGIN VERTICAL CURVE ELEVATION	NOM	NOMINAL
BVCS	BEGIN VERTICAL CURVE STATION	OF	OUTER FACE
℄	CENTERLINE	O-O	OUT TO OUT
C-C	CENTER TO CENTER	OHW	ORDINARY HIGH WATER
CTR	CENTER	PC	POINT OF CURVE
DIA, Ø	DIAMETER	PI	POINT OF INTERSECTION
DWG	DRAWING	PP	PIPE PILE
ELEV	ELEVATION	PT	POINT OF TANGENT
EOP	EDGE OF PAVEMENT	PVI	POINT OF VERTICAL INTERSECTION
EOS	EDGE OF SHOULDER	REINF	REINFORCEMENT
EP	END OF PROJECT	RT	RIGHT
EVCE	END VERTICAL CURVE ELEVATION	SHLDR	SHOULDER
EVCS	END VERTICAL CURVE STATION	SHT	SHEET
EX, EXTG	EXISTING	SL	SLOPE
EA	EACH	STA	STATION
IE	INVERT ELEVATION	STD	STANDARD
IF	INNER FACE	TANG	TANGENT
K	LENGTH OF CURVE/ DIFFERENCE IN GRADE	TYP	TYPICAL
L	LENGTH	VC	VERTICAL CURVE

NOTES:

1. PROPERTY LINES AND INFORMATION AND EXISTING STRUCTURES ARE SHOWN FOR REFERENCE PURPOSES ONLY.
2. PROTECT ALL SURVEY MONUMENTS AND PROPERTY PINS.
3. UNLESS OTHERWISE NOTED OR ORDERED BY THE ENGINEER, CLEAR AND GRUB TO THE PROPOSED CATCH LINES.
4. UNLESS OTHERWISE NOTED OR ORDERED BY THE ENGINEER, CUT, DECK, & PLACE ALL TREES 10in OR LARGER IN DIAMETER AT A LOCATION SELECTED BY THE RESPECTIVE PROPERTY OWNER. TREE SYMBOL SHOWN DOES NOT REPRESENT ACTUAL SIZE OR QUANTITY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE PRIOR TO PLACING A BID IN ORDER TO DETERMINE THE EXACT SIZE AND QUANTITIES OF THE TREES AND OTHER MATERIALS THAT WILL NEED TO BE CLEARED AND GRUBBED.

LEGEND

- 500 — CONTOURS
- ROW — RIGHT OF WAY
- EXISTING/NEW CENTERLINE
- EXISTING EDGE OF PAVEMENT
- EXISTING SHOULDER
- EXISTING DRIVEWAY
- OHP — EXISTING OVERHEAD POWER LINES
- TEL — EXISTING UNDERGROUND TELEPHONE
- EXISTING FENCE
- EXISTING GUARDRAIL
- EXISTING TOP OF BANK
- EXISTING CREEK
- EDGE OF PAVEMENT
- SHOULDER
- SAW CUT LINE
- DRAINAGE CURB
- SEDIMENT BARRIER
- RIGHT OF WAY
- CATCHLINES
- EXISTING SIGN & POST
- SIGN & POST
- EXISTING POWER POLE AND GUY WIRE
- GUARDRAIL
- PAVING LIMITS

LINN COUNTY ROAD DEPARTMENT
3010 FERRY STREET SW
ALBANY, OREGON 97322
PHONE: (541) 967-3919
FAX: (541) 924-0202
E-MAIL: Roads@co.linn.or.us

COUNTY COMMISSION
ROGER NYQUIST CHAIRMAN
JOHN LINDSEY
WILLIAM TUCKER

ROADMASTER
DARRIN L. LANE, P.E.
COUNTY ENGINEER
CHARLES R. KNOLL, P.E.

DATE:	REVISION:	BY:

BRIDGE NO: 0024-0462 DATE: 02/04/2020
PROJECT NO: CB 1901
TRS: T. 11 S., R. 02 W., SEC. 24 & 25
DESIGNED BY: A. Potts CHECKED BY: K. Groom
DRAFTED BY: A. Potts REVIEWED BY: C. Knoll

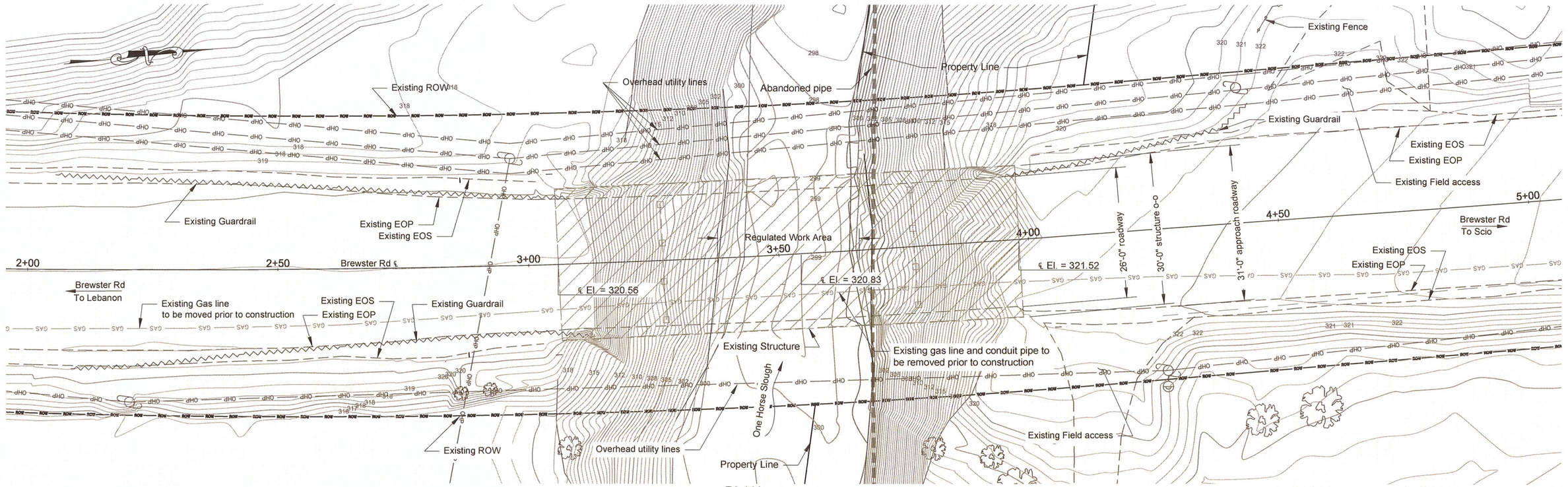
ONE HORSE SLOUGH (BREWSTER ROAD) BRIDGE
LINN COUNTY

SHEET INDEX, LEGEND, NOTES, STANDARD DRAWINGS & ABBREVIATIONS

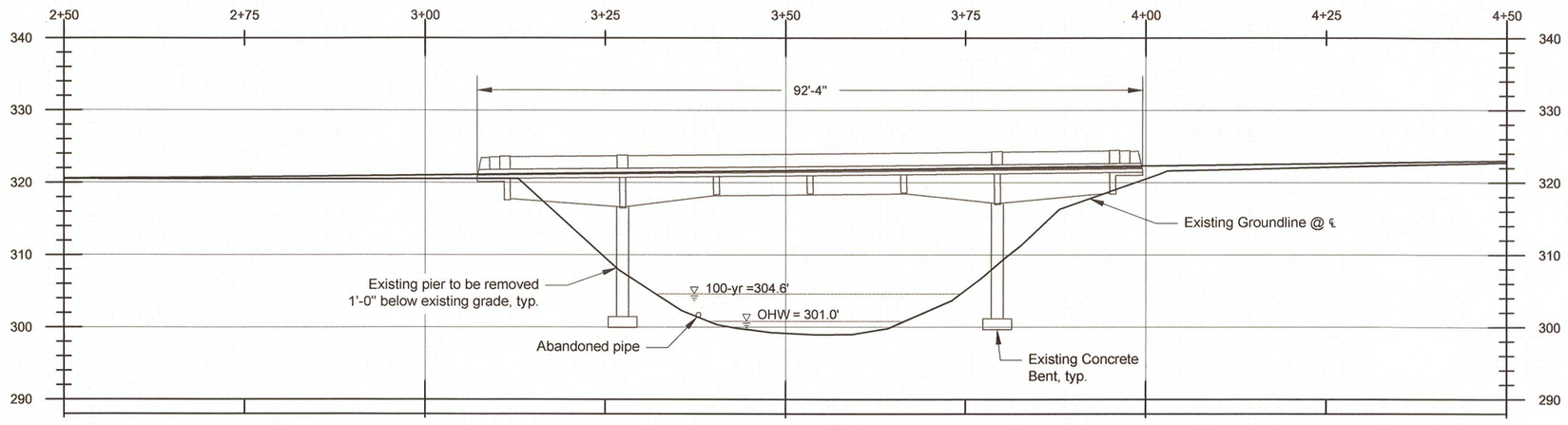
SCALE: no scale | SHEET 2

REGISTERED PROFESSIONAL ENGINEER
86074PE
OREGON
DECEMBER 31, 2016
ANDREW T. POTTS
Expires: 12/31/20

K:\Projects - Current\BR 0024-0462 Brewster Rd One Horse Slough Bridge\DWG\OneHorse_Slough_BrewsterRd_Design_File.dwg



PLAN
1" = 20'-0"



ELEVATION
1" = 20'-0"

Note:
Elevations are based on NGVD29/47 (M.S.L. = 0.00)

Contractor shall confirm shown conditions of site shown this Sheet.

WARNING
If this bar does not measure 1" then drawing is not to scale

LINN COUNTY ROAD DEPARTMENT
3010 FERRY STREET SW
ALBANY, OREGON 97322
PHONE: (541) 967-3919
FAX: (541) 924-0202
E-MAIL: Roads@co.linn.or.us

COUNTY COMMISSION
ROGER NYQUIST
CHAIRMAN
JOHN LINDSEY
WILLIAM TUCKER

ROADMASTER
DARRIN L. LANE, P.E.
COUNTY ENGINEER
CHARLES R. KNOLL, P.E.

DATE:	REVISION:	BY:

BRIDGE NO: 0024-0462	DATE: 02/04/2020	
PROJECT NO: CB 1901		
TRS: T. 11 S., R. 02 W., SEC. 24 & 25		
DESIGNED BY: A. Potts	CHECKED BY: K. Groom	
DRAFTED BY: A. Potts	REVIEWED BY: C. Knoll	

ONE HORSE SLOUGH
(BREWSTER ROAD) BRIDGE

LINN COUNTY

EXISTING STRUCTURE

SCALE: 1" = 20'

SHEET 3

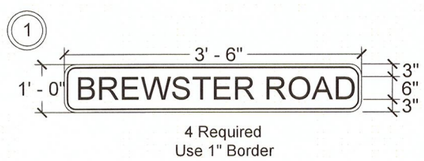
REGISTERED PROFESSIONAL ENGINEER
86074PE
OREGON
DECEMBER 31, 2016
ANDREW T. POTTS
Expires: 12/31/20

2/20/2020 2:20 PM

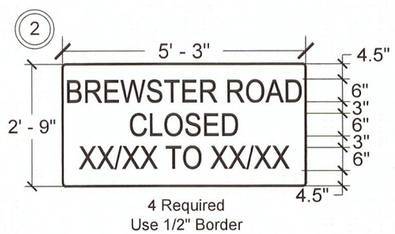
Notes:
Place water filled Jersey Type Barrier full width of the road. Barriers to be located at approximate Sta: 0+00 and STA: 7+00.

Water Filled Jersey Type Barrier Requirements:

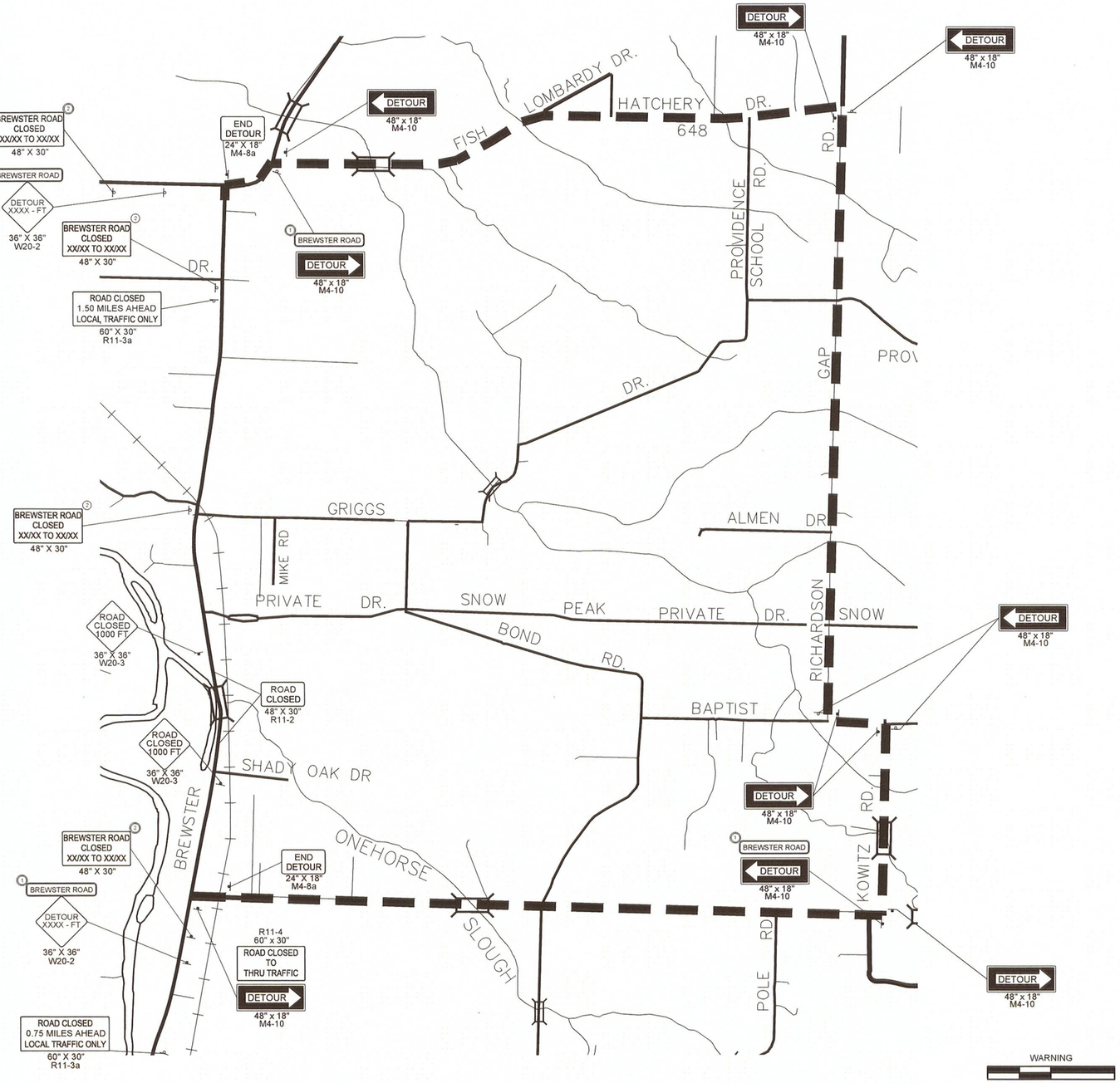
- Barricade to Extend to the Full Width of Road. Barricade may be moved to allow opening wide enough for construction equipment access and shall be placed full width when work is not taking place.
- One Barricade ea. side to Include Flashing Warning Light
- "ROAD CLOSED" Signs, 48" x 30" to be Placed on Front of Barricade on Each End of Road Closure
- Barricade will be Water Filled (YODOCK Type III Kit in Conjunction with Model 2001 or 2001 MB Barricade or approved equal)
- Barricade and signs will Meet MUTCD



4 Required
Use 1" Border



4 Required
Use 1/2" Border



Detour Route
Length of Detour 11.6 miles

WARNING
If this bar does not measure 1" then drawing is not to scale

LINN COUNTY ROAD DEPARTMENT
3010 FERRY STREET SW
ALBANY, OREGON 97322
PHONE: (541) 967-3919
FAX: (541) 924-0202
E-MAIL: Roads@co.linn.or.us

COUNTY COMMISSION
ROGER NYQUIST
CHAIRMAN
JOHN LINDSEY
WILLIAM TUCKER

ROADMASTER
DARRIN L. LANE, P.E.
COUNTY ENGINEER
CHARLES R. KNOLL, P.E.

DATE:	REVISION:	BY:

BRIDGE NO: 0024-0462	DATE: 02/04/2020		
PROJECT NO: CB 1901			
TRS: T. 11 S., R. 02 W., SEC. 24 & 25			
DESIGNED BY: A. Potts	CHECKED BY: D. Malone		
DRAFTED BY: A. Potts	REVIEWED BY: C. Knoll		

ONE HORSE SLOUGH (BREWSTER ROAD) BRIDGE
LINN COUNTY

TRAFFIC CONTROL PLAN

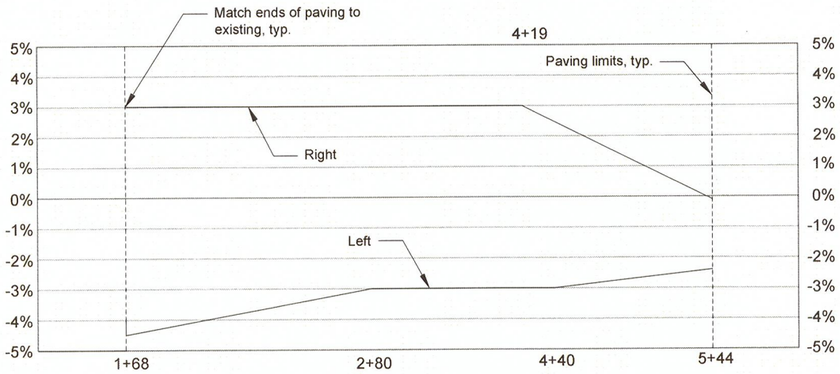
SCALE: NTS | SHEET 4

REGISTERED PROFESSIONAL ENGINEER
86074PE
OREGON
DECEMBER 31, 2016
ANDREW T. POTTS
Expires: 12/31/20

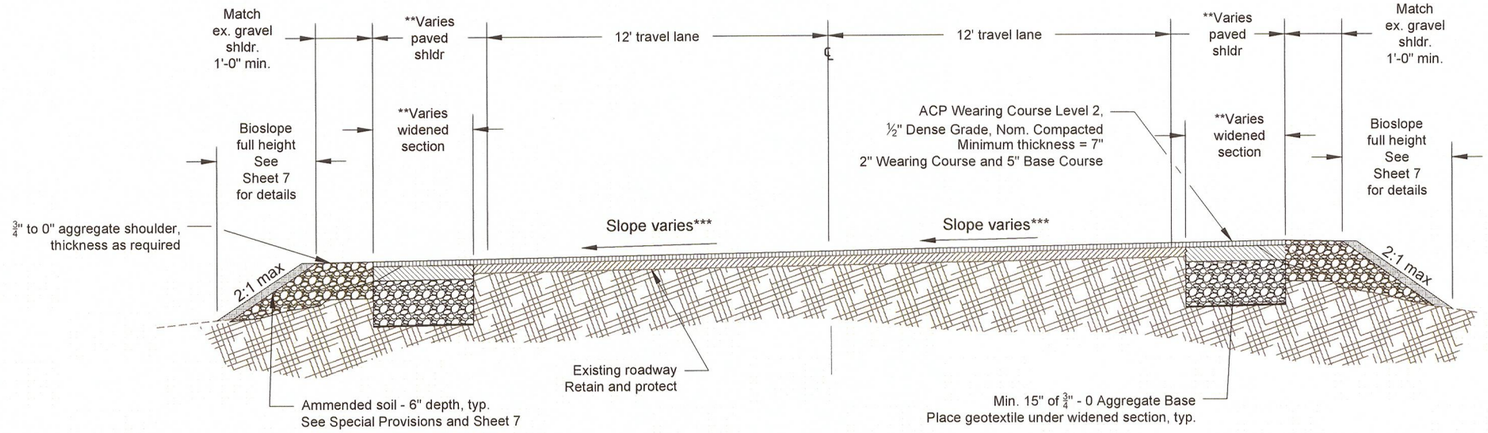
K:\Projects - Current\BR 0024-0462 Brewster Rd One Horse Slough Bridge\DWG\OneHorse_Slough_BrewsterRd_Design_File.dwg

2/20/2020 2:20 PM

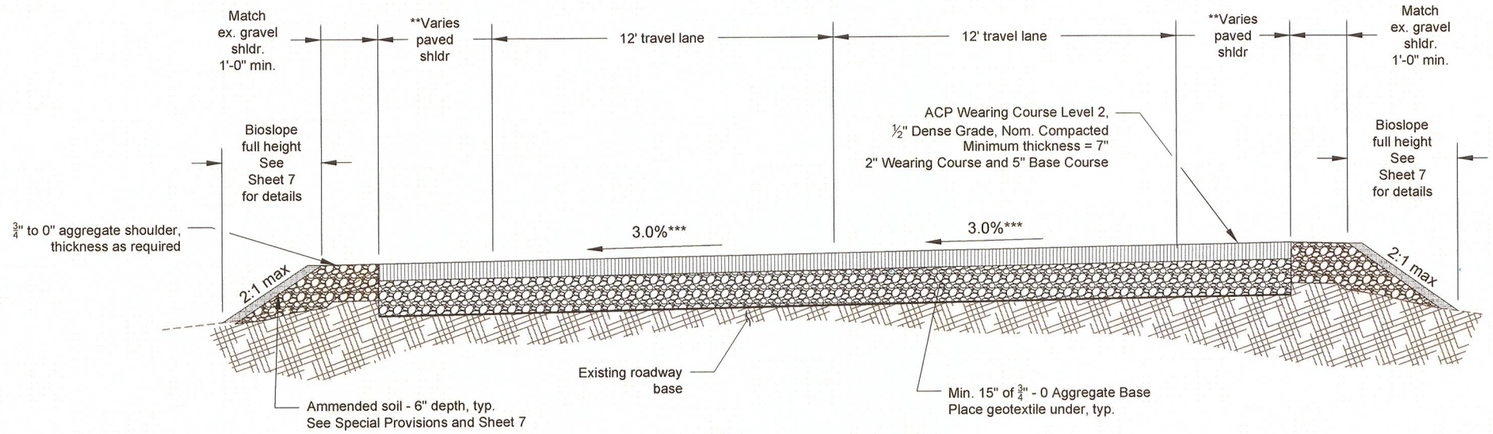
*See Sheet BR-05 for Typical Bridge Section (STA: 3+05 to STA: 4+05).
**Taper and widen paved shoulder width as shown in Table, this Sheet and per Std. Dwg. RD420.
***See Superelevation Diagram, this Sheet.



SUPERELEVATION DIAGRAM
No Scale



STA: 1+68 TO STA: 2+72
STA: 4+50 TO STA: 5+44
Scale: 3/16" =1'



STA: 2+72 TO STA: 2+85
*STA: 2+85 TO STA: 4+26 (STRUCTURE+END PANELS)
STA: 4+26 TO STA: 4+50
Scale: 3/16" =1'

Paved Shoulder Widening					
STA:	Widen from EOP LT (ft)	New EOP from CL LT (ft)	Widen from EOP RT (ft)	New EOP from CL RT (ft)	Total Roadway Width (ft)
1+68	0	17.3	0	16	33.3
1+88	1.85	19	2.4	18.4	37.4
2+24	0.33	17.5	2.25	18.33	35.83
2+54	0	16.25	2.5	18	34.25
2+85	2.33	16.33	4.08	17.7	34.03
Bridge			See Bridge Sheets		
4+26	1.33	16.7	1.7	17.25	33.95
4+55	0	17	1.8	17.5	34.5
5+18	1	17.5	1.5	17.5	35
5+44	0	16.6	0	15.8	32.4

NOTE: See Sheet 6 for grinding and overlay limits

WARNING
If this bar does not measure 1" then drawing is not to scale

REGISTERED PROFESSIONAL ENGINEER
86074PE
OREGON
DECEMBER 31, 2016
ANDREW T. POTTS
Expires: 12/31/20

LINN COUNTY ROAD DEPARTMENT
3010 FERRY STREET SW
ALBANY, OREGON 97322
PHONE: (541) 967-3919
FAX: (541) 924-0202
E-MAIL: Roads@co.linn.or.us

COUNTY COMMISSION
ROGER NYQUIST CHAIRMAN
JOHN LINDSEY
WILLIAM TUCKER

ROADMASTER
DARRIN L. LANE, P.E.
COUNTY ENGINEER
CHARLES R. KNOLL, P.E.

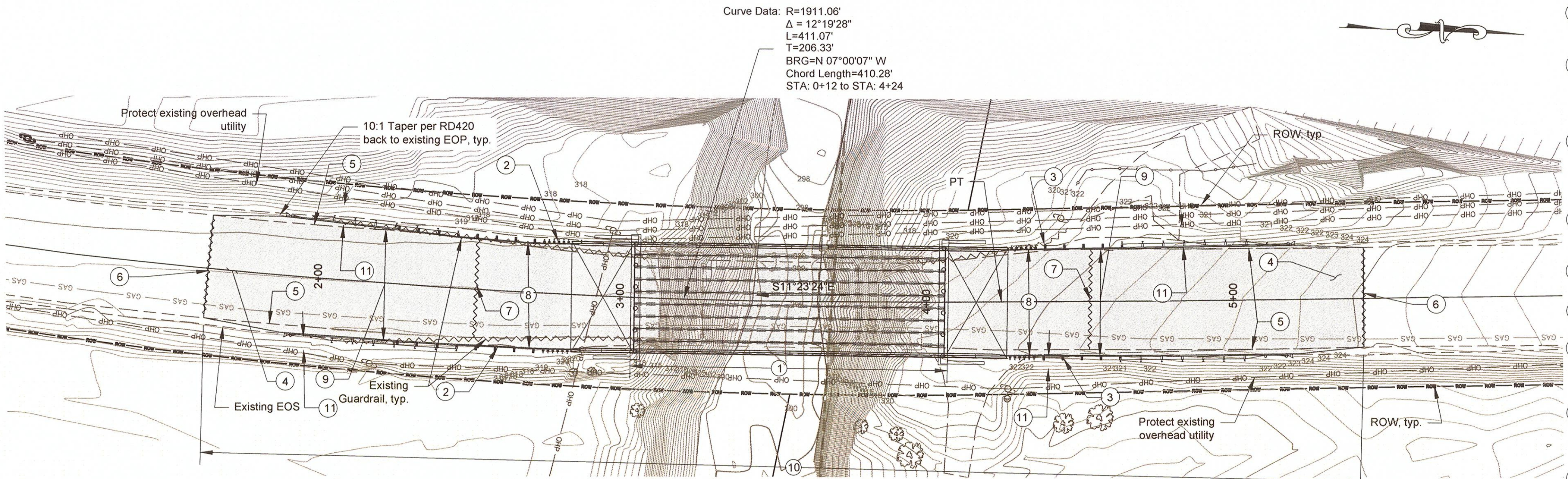
DATE:	REVISION:	BY:

BRIDGE NO: 0024-0462 DATE: 02/04/2020
PROJECT NO: CB 1901
TRS: T. 11 S., R. 02 W., SEC. 24 & 25
DESIGNED BY: A. Potts CHECKED BY: D. Malone
DRAFTED BY: A. Potts REVIEWED BY: C. Knoll

ONE HORSE SLOUGH (BREWSTER ROAD) BRIDGE
LINN COUNTY

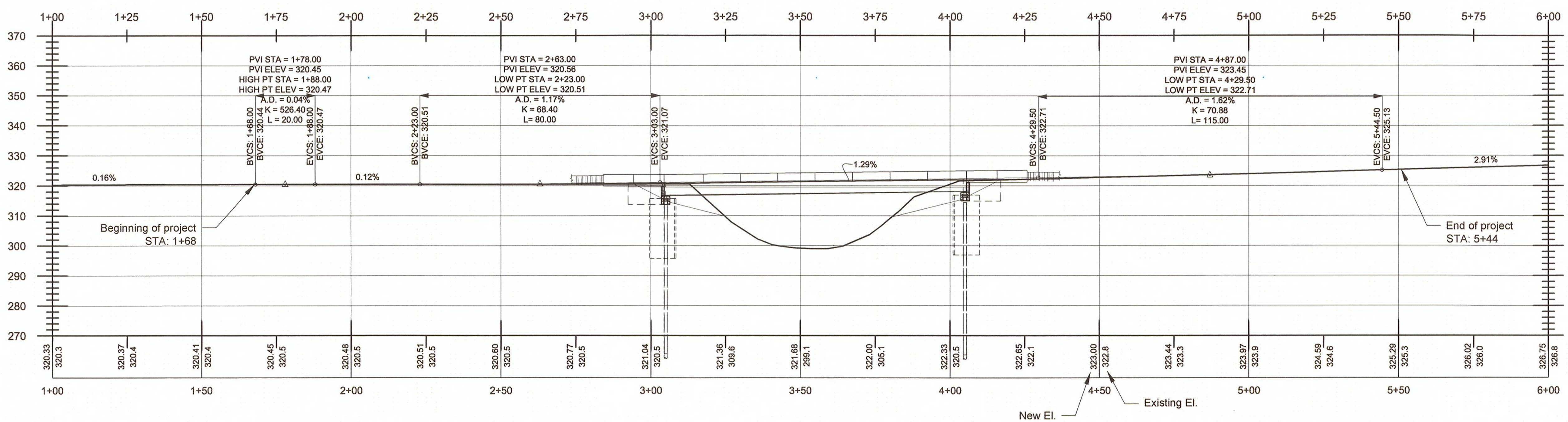
TYPICAL SECTIONS
SCALE: As Shown
SHEET 5

K:\Projects - Current\BR 0024-0462 Brewster Rd One Horse Slough Bridge\DWG\OneHorse_Slough_BrewsterRd_Design_File.dwg



PLAN
1" = 40'-0"

STA: 1+00 to STA: 6+00



PROFILE
1" = 40'-0"

Note:
Elevations are based on NGVD29/47 (M.S.L. = 0.00)

1. Brewster Road: One Horse Slough Bridge. County Br. No. 0024-0462. Construct proposed bridge as shown in Sheets BR-01 to BR-09. Remove existing bridge.
2. Install Guardrail Connector, Guardrail transition, 12.5' of Type 3 Guardrail, and Non-Flared Energy Absorbing Guardrail Terminal (Test Level 3), W = 1' with metal posts from end of bridge rail to STA: 5+24 RT and LT, per Std. Dwg. RD400, RD405, RD410, RD415, RD420, RD440, and BR203.
3. Install Guardrail Connector, Guardrail transition, 12.5' of Type 3 Guardrail, and Non-Flared Energy Absorbing Guardrail Terminal (Test Level 3), W = 1' with metal posts from end of bridge rail to STA: 1+88 RT and LT, per Std. Dwg. RD400, RD405, RD410, RD415, RD420, RD440, and BR203.
4. Grind down existing roadway from STA: 1+68 to STA: 2+60, 2" to 0", and from STA: 4+64 to STA: 5+44, 0" to 2". Grinding depth to match elevations shown, this Sheet with a 2" overlay.
5. Sawcut and remove 4" of existing pavement along all widening sections, as noted in Sheet 5 and Note 4 of this Sheet.
6. Sawcut existing pavement from EOP to EOP at STA: 1+68 and STA: 5+44, 2" deep w/vertical face.
7. Sawcut existing pavement perpendicular to traffic across roadway at STA: 2+72 and STA: 4+50 prior to bridge removal, full depth of asphalt (Estimated to be ±7"). Protect existing roadway beyond sawcutting. See RD610.
8. Rebuild roadway approach with 34' wide asphalt concrete pavement on a crushed aggregate base from STA: 2+72 to STA: 2+85 and STA: 4+26 to STA: 4+50. See Sheet 5 for Typical Section details.
9. Widen roadway approach with 7" ACWS and 15" of compacted aggregate base from STA: 1+68 to STA: 2+85 and STA: 4+26 to STA: 5+44. Taper roadway width from existing to match new bridge roadway width per tapers shown in Std. Dwg. RD420.
10. Install a 2" to 3" asphalt pavement overlay matching elevations shown in profile from STA: 1+68 to STA: 5+44. Tapers per Std. Dwg. RD420.
11. Install 3/4" - 0 Aggregate shoulder rock LT and RT from STA: 1+68 to STA: 3+07 and STA: 4+05 to STA: 5+44. Tapers per Std. Dwg. RD420.

WARNING
If this bar does not measure 1" then drawing is not to scale

REGISTERED PROFESSIONAL ENGINEER
86074PE
OREGON
DECEMBER 31, 2016
ANDREW T. POTTS
Expires: 12/31/20

LINN COUNTY ROAD DEPARTMENT
3010 FERRY STREET SW
ALBANY, OREGON 97322
PHONE: (541) 967-3919
FAX: (541) 924-0202
E-MAIL: Roads@co.linn.or.us

COUNTY COMMISSION
ROGER NYQUIST CHAIRMAN
JOHN LINDSEY
WILLIAM TUCKER

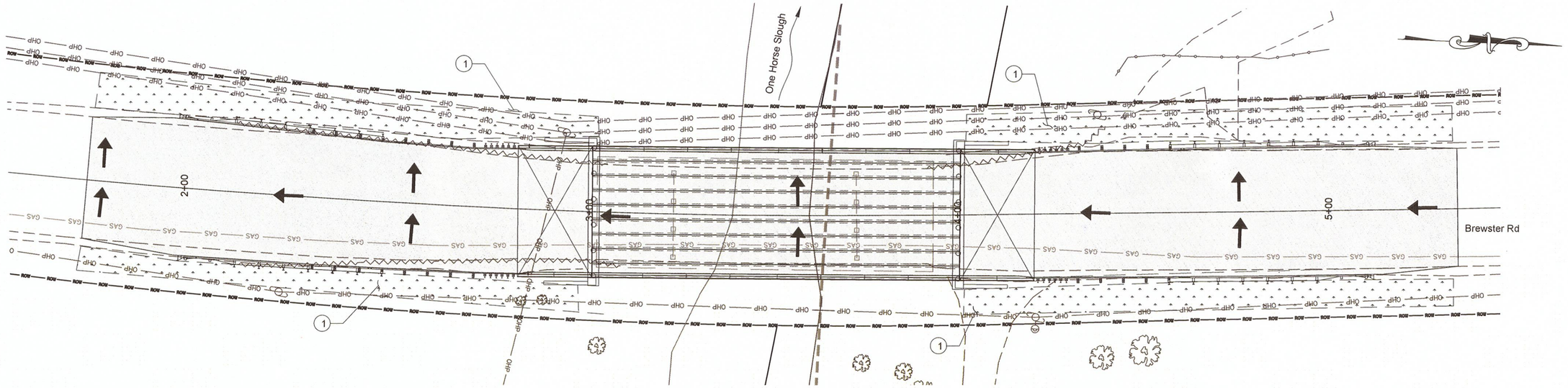
ROADMASTER
DARRIN L. LANE, P.E.
COUNTY ENGINEER
CHARLES R. KNOLL, P.E.

DATE:	REVISION:	BY:

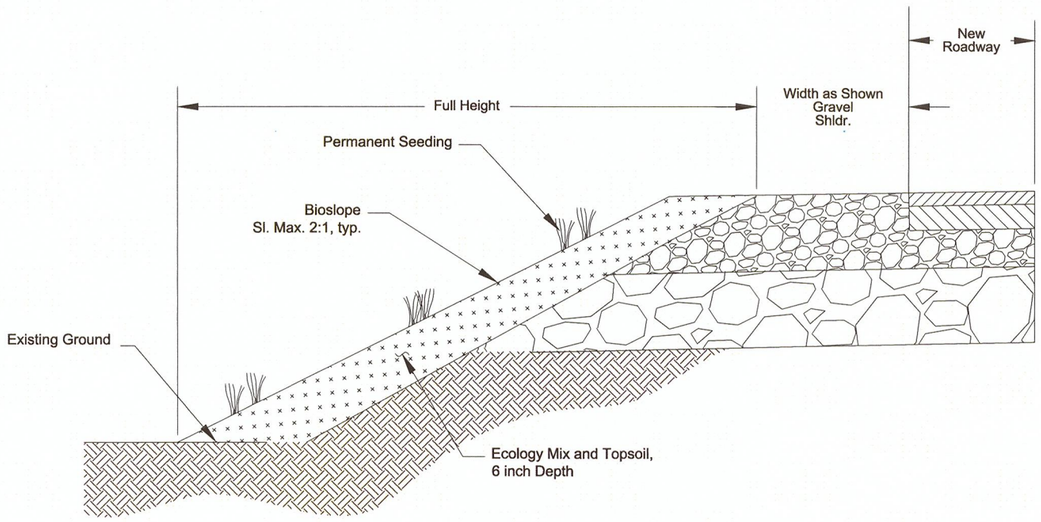
BRIDGE NO: 0024-0462	DATE: 02/04/2020
PROJECT NO: CB 1901	
TRS: T. 11 S., R. 02 W., SEC. 24 & 25	
DESIGNED BY: A. Potts	CHECKED BY: D. Malone
DRAFTED BY: A. Potts	REVIEWED BY: C. Knoll

ONE HORSE SLOUGH (BREWSTER ROAD) BRIDGE
LINN COUNTY

PLAN & PROFILE
SCALE: As Shown
SHEET 6



(1) Construct Bioslope per detail this Sheet and Specifications. Ecology mix compost and topsoil mixture per Section 1013. Install permanent seeding on Bioslopes per Section 1030. STA: 1+58 to STA: 2+95 Rt. and Lt. and STA: 3+97 to STA: 5+34 Rt. and Lt.



BIOSLOPE DETAIL

Scale: NTS

LEGEND

- BIOSLOPE
- FLOW DIRECTION

WARNING

If this bar does not measure 1" then drawing is not to scale

LINN COUNTY ROAD DEPARTMENT
3010 FERRY STREET SW
ALBANY, OREGON 97322
PHONE: (541) 967-3919
FAX: (541) 924-0202
E-MAIL: Roads@co.linn.or.us

COUNTY COMMISSION
ROGER NYQUIST CHAIRMAN
JOHN LINDSEY
WILLIAM TUCKER

ROADMASTER
DARRIN L. LANE, P.E.
COUNTY ENGINEER
CHARLES R. KNOLL, P.E.

DATE:	REVISION:	BY:

BRIDGE NO: 0024-0462 DATE: 02/04/2020
PROJECT NO: CB 1901
TRS: T. 11 S., R. 02 W., SEC. 24 & 25
DESIGNED BY: A. Potts CHECKED BY: C. Knoll
DRAFTED BY: A. Potts REVIEWED BY: C. Knoll

ONE HORSE SLOUGH (BREWSTER ROAD) BRIDGE

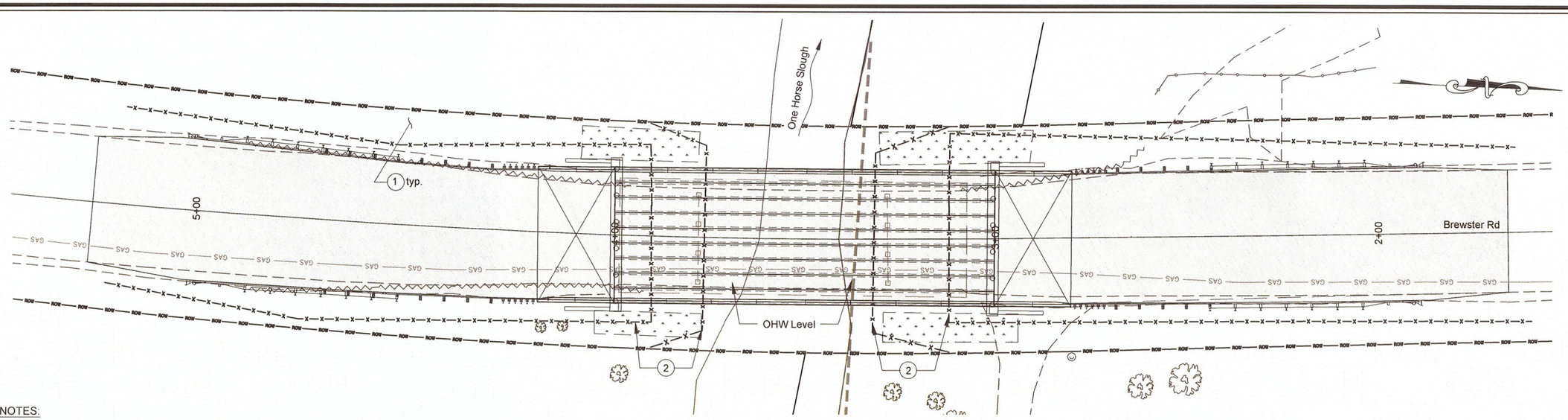
LINN COUNTY

STORMWATER DRAINAGE PLAN

SCALE: 1" = 30'

SHEET 7

REGISTERED PROFESSIONAL ENGINEER
86074PE
OREGON
DECEMBER 31, 2016
ANDREW T. POTTS
Expires: 12/31/20



GENERAL NOTES:

1. The implementation of the erosion control plans and the construction, maintenance, replacement and upgrading of the erosion control facilities are the responsibility of the contractor until all construction is completed and approved.

2. Installation, construction, and maintenance of erosion control facilities shall begin prior to clearing, grading or other earth altering activities.

3. The erosion control facilities shown on this plan are anticipated for site conditions. During the construction period these facilities shall be upgraded for unexpected storm events and to ensure that sediment and sediment laden water does not leave the site or enter the active waterway.

4. Develop a revised plan of the erosion control facilities shown in accordance with the requirements of section 00280 of the Special Provisions and the 2018 Oregon Standard Specifications for Construction. This plan must be constructed in conjunction with all clearing and grubbing activities. Construct in such a manner as to ensure that construction debris, sediment and sediment laden water does not enter the drainage system, roadway, or violate applicable water standards. Construct controls in segments applicable to each staging phase.

5. All vegetated areas disturbed during construction shall be permanently seeded.

6. No equipment or personnel shall enter into wetlands or the active channel of One Horse Slough.

7. No contaminated water or debris shall enter into the active channel of One Horse Slough.

8. A Work Containment System Plan (WCSP) shall be approved by the engineer prior to installation. No demolition or removal work may begin until the WCSP has been approved.

9. Straw or plastic sheeting may be required on slopes greater than 2:1 or slopes in the One Horse Slough channel during a rain event.

(1) Install permanent seeding on all ground disturbed by construction. Area directly under new bridge superstructure may be excluded from seeding. Approximate area shown. Required seeding will be based on construction procedures elected by the Contractor.

(2) Install Type 8 (Compost filter sock) Sediment Barrier for activities During removal of Existing Bridge and Construction of New Bridge per Std Dwg RD1032. Extent and Location is Approximate and Subject to Change Based on Conditions in the Field.

LEGEND

- PERMANENT SEEDING
- —x—x— SEDIMENT BARRIER

WARNING

If this bar does not measure 1" then drawing is not to scale

LINN COUNTY ROAD DEPARTMENT
3010 FERRY STREET SW
ALBANY, OREGON 97322
PHONE: (541) 967-3919
FAX: (541) 924-0202
E-MAIL: Roads@co.linn.or.us

DATE:	REVISION:	BY:

BRIDGE NO: 0024-0462	DATE: 02/04/2020		
PROJECT NO: CB 1901			
TRS: T. 11 S., R. 02 W., SEC. 24 & 25			
DESIGNED BY: A. Potts	CHECKED BY: C. Knoll		
DRAFTED BY: A. Potts	REVIEWED BY: C. Knoll		

ONE HORSE SLOUGH (BREWSTER ROAD) BRIDGE

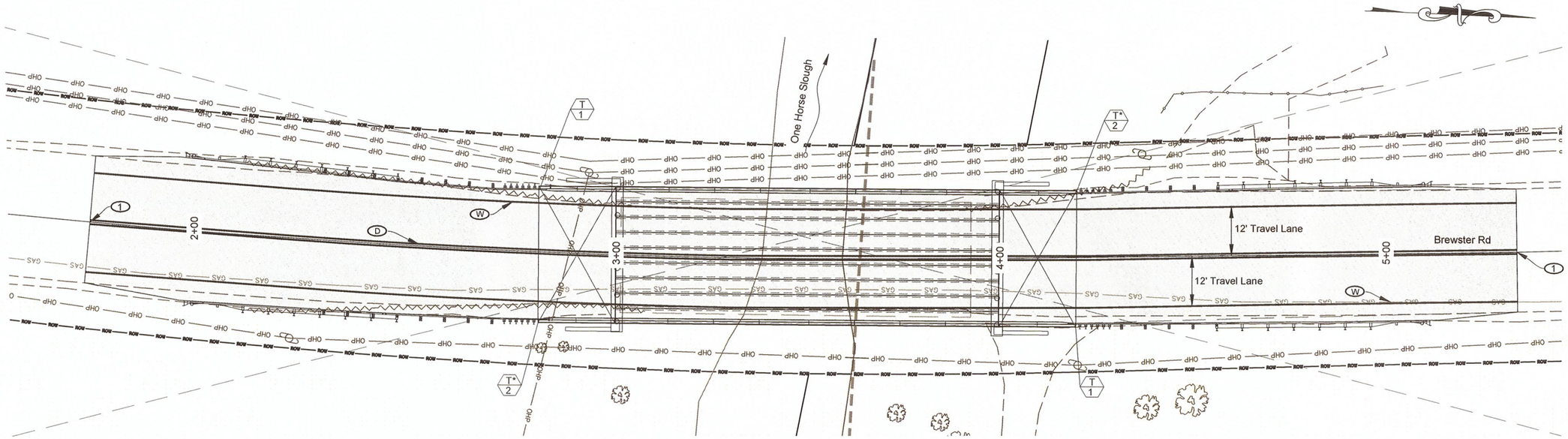
LINN COUNTY

EROSION CONTROL PLAN

SCALE: 1" = 30'

SHEET 8

REGISTERED PROFESSIONAL ENGINEER
86074PE
OREGON
DECEMBER 31, 2016
ANDREW T. POTTS
Expires: 12/31/20



PLAN
1" = 30'-0"

NOTE:

The Contractor is to Remove Any Existing Striping or Pavement Markings that Conflict with the New Striping or Markings.

(1) Match to Existing Striping

(D) Two 4" Yellow Lines, Double No-Pass
Shown Thus: ═══ (See TM500)

(W) 4" White Line
Shown Thus: ——— (See TM500)

Sign 1
Type: OM-3L
(12" x 36")

Sign 2
Type: OM-3R
(12" x 36")

Signing Notes:

1. The locations of sign installations shown are approximate with exact locations to be determined in the field.
2. Install signs per ODOT Standard Drawings TM676, TM681, TM687.
3. All signs shall meet the requirements of the most current Manual on Uniform Traffic Control Devices (MUTCD).
4. Install such that inside edge of OM-3 signs are flush with face of rail and bottom edge is 4'-0" from pavement.

(T / N) Install Sign (N) and Support (T)

Legend:
N = Sign Number
T = Perforated Steel Square Tube (PSST)
T* = Perforated Steel Square Tube (PSST) w/1'-8" extending above sign (N)

WARNING

If this bar does not measure 1" then drawing is not to scale

REGISTERED PROFESSIONAL ENGINEER
86074PE
OREGON
DECEMBER 31, 2016
ANDREW T. POTTS
Expires: 12/31/20

LINN COUNTY ROAD DEPARTMENT
3010 FERRY STREET SW
ALBANY, OREGON 97322
PHONE: (541) 967-3919
FAX: (541) 924-0202
E-MAIL: Roads@co.linn.or.us

COUNTY COMMISSION
ROGER NYQUIST
CHAIRMAN
JOHN LINDSEY
WILLIAM TUCKER

ROADMASTER
DARRIN L. LANE, P.E.
COUNTY ENGINEER
CHARLES R. KNOLL, P.E.

DATE:	REVISION:	BY:

BRIDGE NO: 0024-0462 DATE: 02/04/2020
PROJECT NO: CB 1901
TRS: T. 11 S., R. 02 W., SEC. 24 & 25
DESIGNED BY: A. Potts CHECKED BY: D. Malone
DRAFTED BY: A. Potts REVIEWED BY: C. Knoll

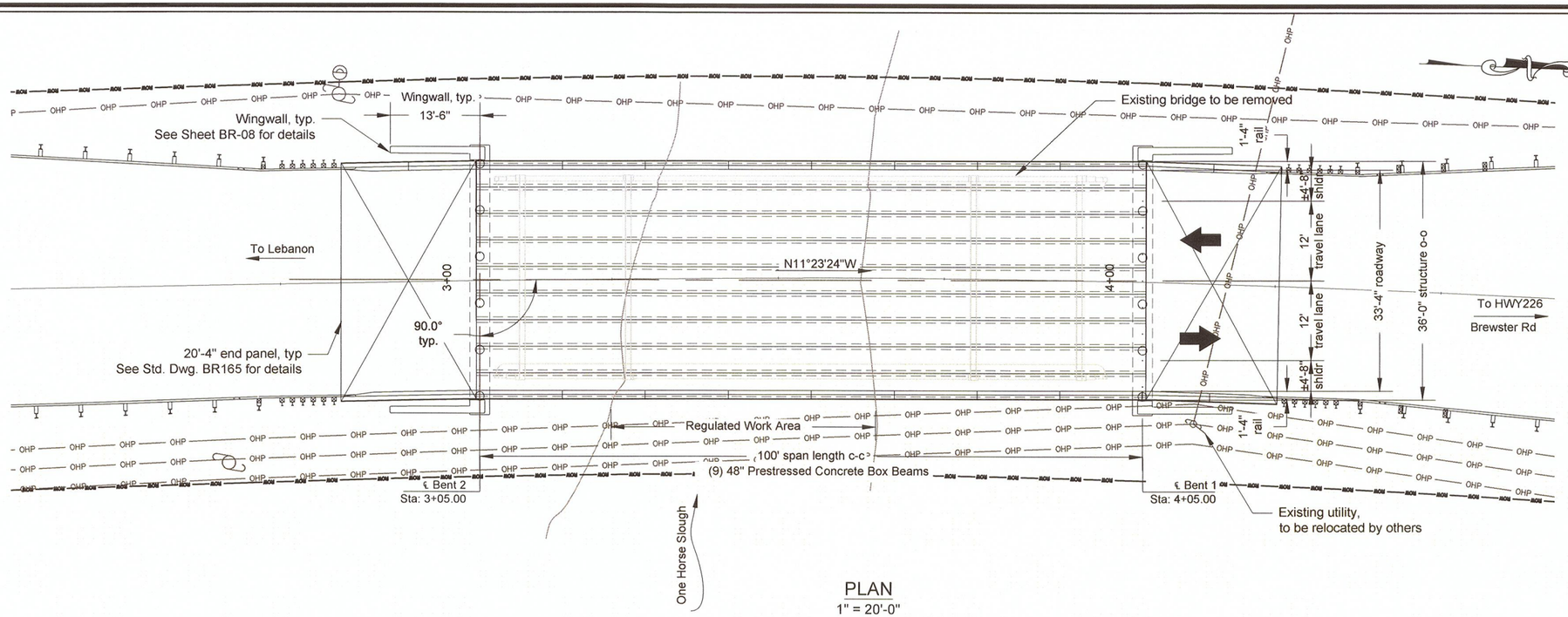
ONE HORSE SLOUGH (BREWSTER ROAD) BRIDGE

LINN COUNTY

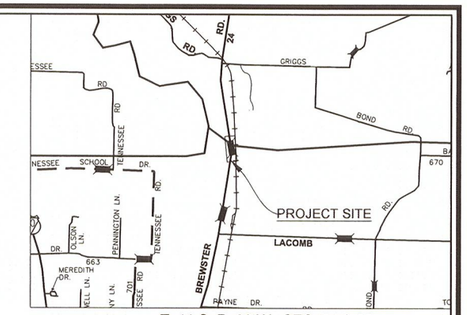
SIGNING & STRIPING PLAN

SCALE: As Shown

SHEET 9

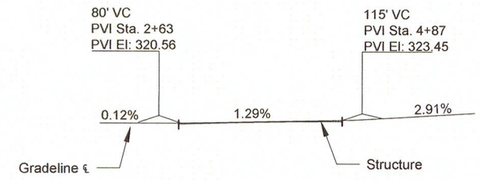


PLAN
1" = 20'-0"

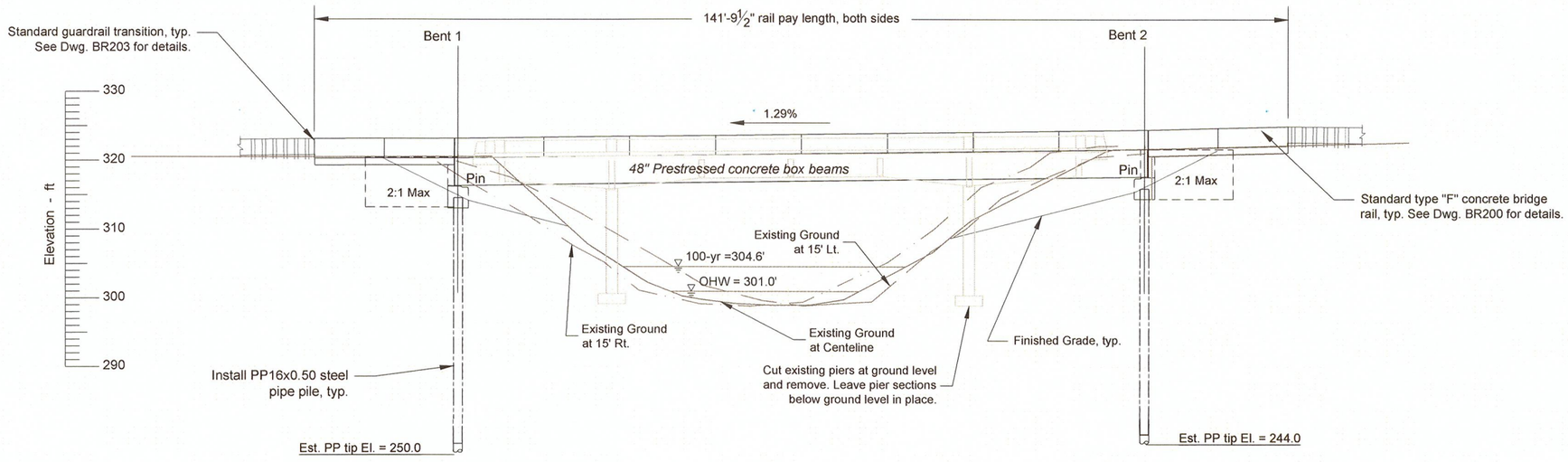


T. 11 S. R. 02 W., SEC. 24 & 25

LOCATION MAP
NO SCALE



GRADE LINE DIAGRAM
NO SCALE



ELEVATION
1" = 20'-0"

HYDRAULIC DATA TABLE

ITEMS	UNITS	DESIGN FLOOD*	BASE FLOOD*	MAX. PROB. FLOOD*
Frequency	Years	100	100	500
Discharge	cfs	4683	4683	5826
H.W. elev. @ upstm. face of bridge	ft	308.0	308.0	309.1
Backwater	ft	0	0	0

*Based on new bridge
+Based on existing bridge

Note:
Elevations are based on
NGVD29/47 (M.S.L. = 0.00)

WARNING
If this bar does not measure 1" then drawing is not to scale

REGISTERED PROFESSIONAL ENGINEER
86074PE
OREGON
DECEMBER 31, 2016
ANDREW T. POTTS
Expires: 12/31/20

LINN COUNTY ROAD DEPARTMENT
3010 FERRY STREET SW
ALBANY, OREGON 97322
PHONE: (541) 967-3919
FAX: (541) 924-0202
E-MAIL: Roads@co.linn.or.us

COUNTY COMMISSION
ROGER NYQUIST
CHAIRMAN
JOHN LINDSEY
WILLIAM TUCKER

ROADMASTER
DARRIN L. LANE, P.E.
COUNTY ENGINEER
CHARLES R. KNOLL, P.E.

DATE:	REVISION:	BY:

BRIDGE NO: 0024-0462 DATE: 02/04/2020
PROJECT NO: CB 1901
TRS: T. 11 S., R. 02 W., SEC. 24 & 25
DESIGNED BY: A. Potts CHECKED BY: K. Groom
DRAFTED BY: A. Potts REVIEWED BY: C. Knoll

ONE HORSE SLOUGH
(BREWSTER ROAD) BRIDGE

LINN COUNTY

BRIDGE PLANS
PLAN & ELEVATION

SCALE: As Shown

BR-01

2/20/2020 2:22 PM

K:\Projects - Current\BR 0024-0462 Brewster Rd One Horse Slough Bridge\DWG\OneHorse_Slough_BrewsterRd_Design_File.dwg

General Notes:

Provide all materials and perform all work according to the ODOT/APWA 2018 Oregon Standard Specifications for Construction 2018 and the Special Provisions.

Bridge is designed in accordance with the AASHTO "LRFD Bridge Design Specification," 2017 Edition with an allowance for present wearing surface and 25 psf for future wearing surface and all of the following Live Loads:

Service and Strength I Limit States:
HL-93: Design truck (or trucks per LRFD 3.6.1.3) or the design tandems and the design lane load.

Strength II Limit State:
ODOT Type STP-5BW Permit truck
ODOT Type STP-4E Permit truck

Seismic design is performed in accordance with the "AASHTO LRFD Bridge Design Specifications" ("AASHTO Guide Specifications for LRFD Seismic Bridge Design") as modified by the "ODOT Bridge Design Manual" for 500- and 1000-year criteria. The Horizontal Peak Ground Acceleration Coefficients (PGA) for the 500 year (Serviceable) and 1000 year (No Collapse) return periods are 0.17g and 0.22g, respectively, based on 2014 USGS Seismic Hazard Maps. The bridge site is defined as a Site Class D with a site factor (Fpga) of 1.38.

Provide all reinforcing steel according to ASTM Specification A706, or ASTM A615 Grade 60. Provide field bent or welded reinforcement according to ASTM Specification A706. Splice reinforcing steel at alternate bars, staggered at least one splice length or as far as possible, unless shown otherwise. Provide the following splice lengths, unless shown otherwise:

Reinforcing Splice Lengths (Class B) Grade 60 f'c = 3.3 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
Coated (1)	1'-2"	1'-7"	2'-0"	2'-5"	3'-3"	4'-3"	5'-5"	6'-10"	8'-5"	Not permitted
Coated (2)	1'-6"	2'-0"	2'-6"	3'-0"	4'-1"	5'-4"	6'-9"	8'-7"	10'-6"	Not permitted

Use Coated (1) for epoxy coated bars with cover at least $3*d_b$ and clear spacing between bars at least 6*db.

Use Coated (2) for epoxy coated bars with cover less than $3*d_b$ or clear spacing between bars less than 6*db.

Increase all splice lengths 40% for horizontal or nearly horizontal bars so placed that more than 12" of fresh concrete is cast below the bar.

Place bars 2" clear of the nearest face of concrete (except as specified in precast concrete slabs), nor closer than 3" to soil when cast against soil surfaces, unless shown otherwise.

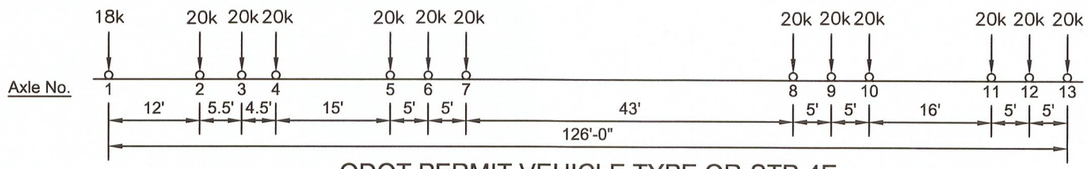
Provide Class 3300 - 1½", 1" or ¾" large aggregate size for all other concrete.

Provide concrete in the precast prestressed box beams according to the detail plans.

Provide bridge rail materials according to the ODOT Standard Drawings referenced.

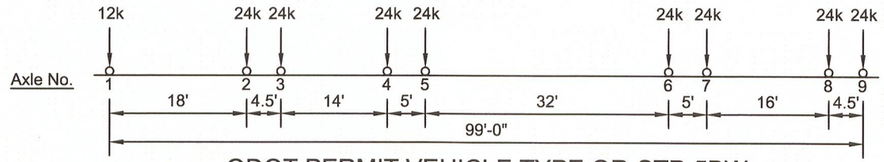
Oregon law requires the rules set forth in OAR 952-001-0010 through 952-001-0090, adopted by the Oregon Utility Notification Center, to be observed. Copies of these rules can be obtained from the Center.

Temporary slopes shall be no steeper than 1.5:1 unless shored. All slopes shall have appropriate erosion control measures which may include plastic sheeting and sediment filter socks.



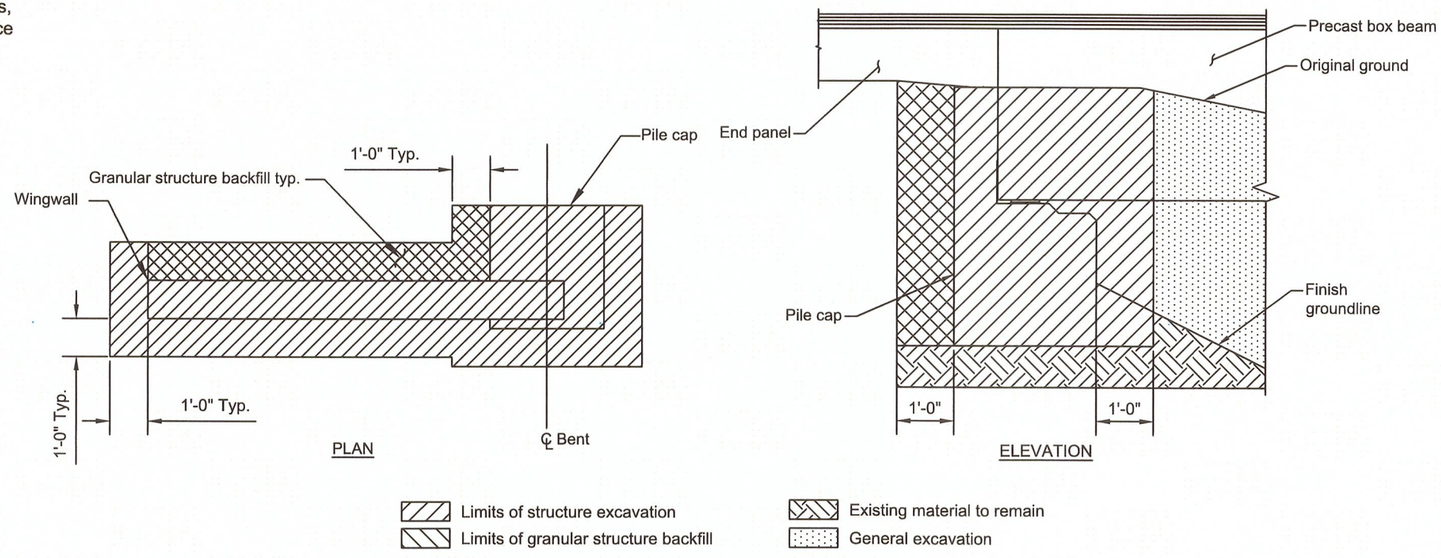
ODOT PERMIT VEHICLE TYPE OR-STP-4E

NO SCALE



ODOT PERMIT VEHICLE TYPE OR-STP-5BW

NO SCALE



EXCAVATION AND BACKFILL PAY LIMITS

No Scale

WARNING

If this bar does not measure 1" then drawing is not to scale

LINN COUNTY ROAD DEPARTMENT
3010 FERRY STREET SW
ALBANY, OREGON 97322
PHONE: (541) 967-3919
FAX: (541) 924-0202
E-MAIL: Roads@co.linn.or.us

COUNTY COMMISSION
ROGER NYQUIST CHAIRMAN
JOHN LINDSEY
WILLIAM TUCKER

ROADMASTER
DARRIN L. LANE, P.E.
COUNTY ENGINEER
CHARLES R. KNOLL, P.E.

DATE:	REVISION:	BY:

BRIDGE NO: 0024-0462	DATE: 02/04/2020	
PROJECT NO: CB 1901		
TRS: T. 11 S., R. 02 W., SEC. 24 & 25		
DESIGNED BY: A. Potts	CHECKED BY: K. Groom	
DRAFTED BY: A. Potts	REVIEWED BY: C. Knoll	

ONE HORSE SLOUGH (BREWSTER ROAD) BRIDGE

LINN COUNTY

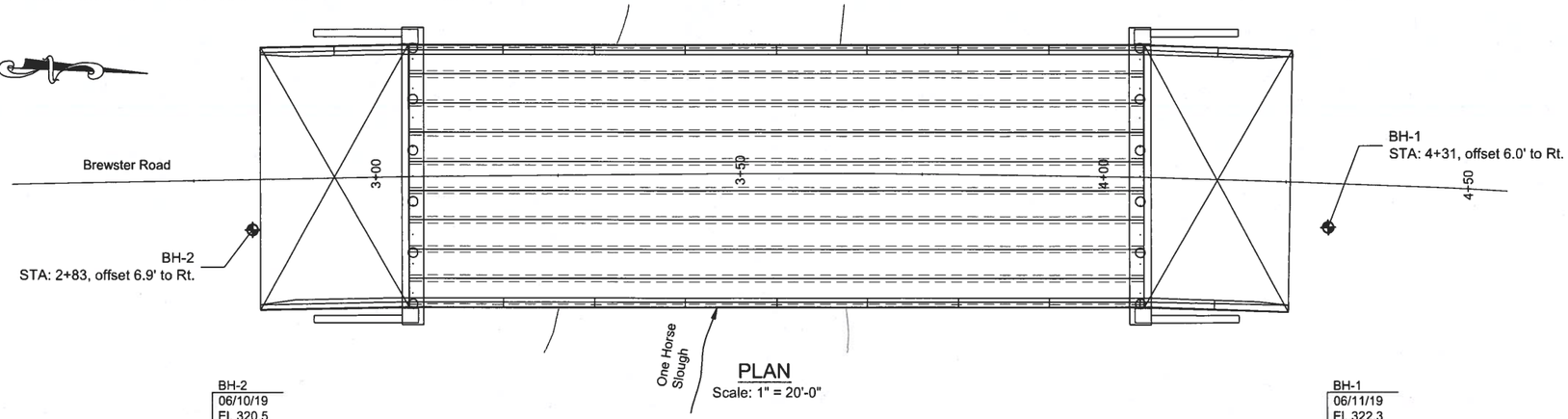
BRIDGE PLANS
GENERAL NOTES

SCALE: no scale

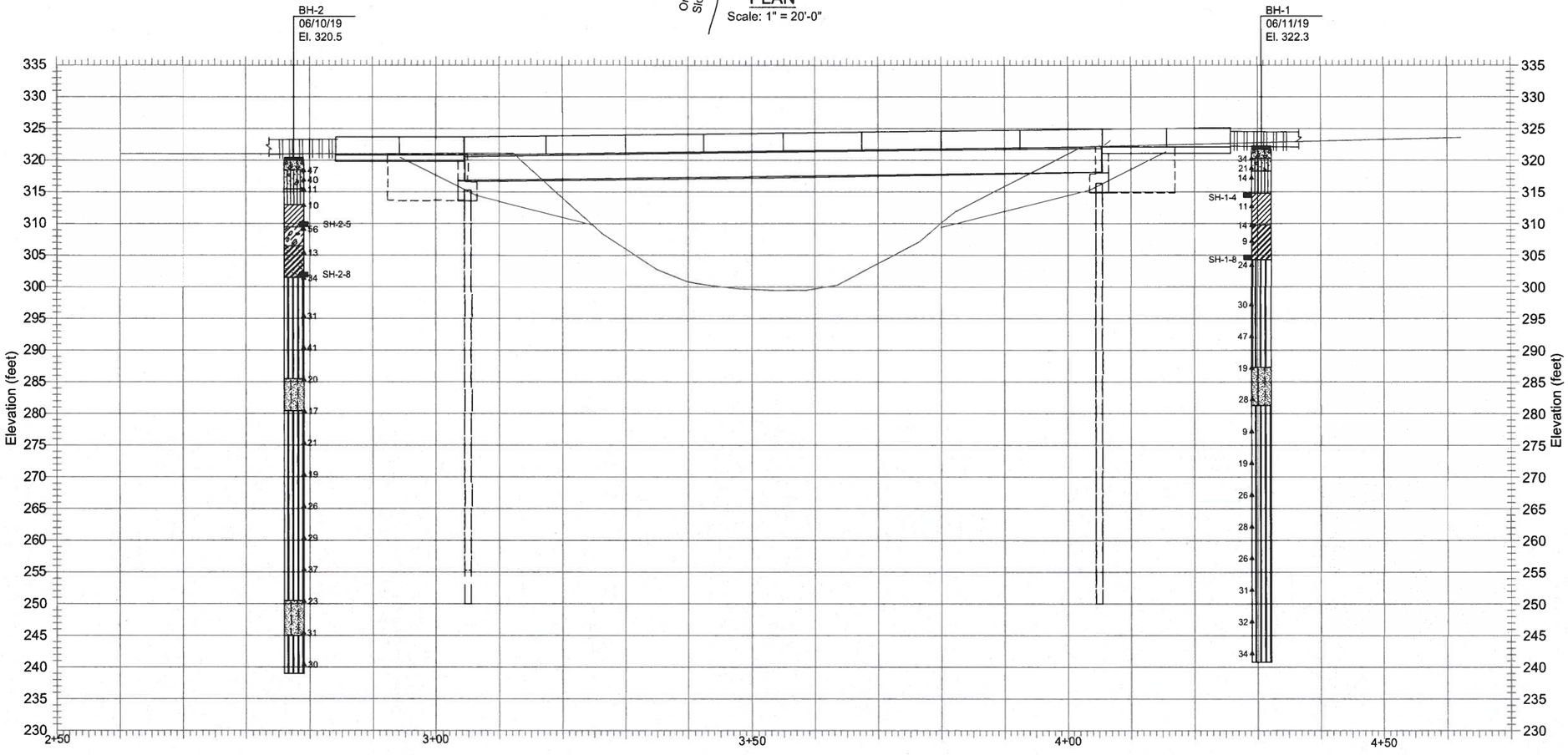
BR-02

REGISTERED PROFESSIONAL ENGINEER
86074PE
OREGON
DECEMBER 31, 2016
ANDREW T. POTTS
Expires: 12/31/20

2/3/2020 11:38 AM



PLAN
Scale: 1" = 20'-0"



PROFILE
Scale: 1" = 20'-0"

Note:
Elevations are based on NAVD88 (M.S.L. = 0.00)

UNIT DESCRIPTIONS

- ASPHALTIC CONCRETE
- Silty GRAVEL, some sand (GM); brown, low plasticity silt, damp, dense, fine to coarse sand, fine to coarse angular gravel, (base rock).
- Gravelly SILT, some sand (ML) and SILT, some sand and gravel (ML); brown, low plasticity, damp, hard, fine to coarse sand, fine to coarse angular to subrounded gravel, (fill).
- SILT (ML) and SILT, trace gravel (ML); grey brown, low plasticity, damp, stiff, fine subrounded gravel, (alluvium).
- Silty CLAY (CL); light brown and iron-stained, medium plasticity, moist, stiff to very stiff, (alluvium).
- Clayey GRAVEL (GC); brown, medium to high plasticity clay, moist, very dense, fine to coarse subrounded gravel, (alluvium).
- Sandy CLAY (CH); grey and iron stained, medium to high plasticity, moist, stiff, fine sand, (alluvium).
- CLAY, trace sand and gravel (CH); grey and iron- and manganese-stained, high plasticity, moist, stiff, fine to coarse sand, fine subrounded gravel, (alluvium).
- Clayey SILT trace sand (MH) and clayey SILT (MH); grey-brown and iron-stained and grey, medium plasticity, damp to moist, very stiff to hard, fine sand, (alluvium).
- Silty SAND (SM); dark grey, grey brown and grey and iron-stained, low plasticity silt, wet, medium dense, fine sand (alluvium).

LEGEND

- Geotechnical Boring (BH)
- 24 Standard Penetration Test
  - N value
- SH-1-4 Shelby Tube Sample

Geotechnical data shown on this drawing are a consolidation of information and/or revision in terminology from the Geotechnical Boring Logs. The Geotechnical Boring Logs used in compiling this drawing are available upon request for review at the office of the Linn County Road Department. The Contractor shall refer to the Geotechnical Report, Geotechnical Boring Logs, and information there in.

WARNING
If this scale does not measure 1-inch then drawing is not to scale

FOUNDATION ENGINEERING, INC.
PROFESSIONAL GEOTECHNICAL SERVICES
820 N.W. CORNELL AVENUE
CORVALLIS, OREGON 97330
BUS. (541) 757-7645 FAX (541) 757-7650

REGISTERED PROFESSIONAL ENGINEER
60776 PE
OREGON
MAY 17, 1999
WILLIAM L. NICKELS JR.
EXPIRES: 12/31/21

LINN COUNTY ROAD DEPARTMENT
3010 FERRY STREET SW
ALBANY, OREGON 97322
PHONE: (541) 967-3919
FAX: (541) 924-0202
E-MAIL: Roads@co.linn.or.us

COUNTY COMMISSION
ROGER NYQUIST CHAIRMAN
JOHN LINDSEY
WILLIAM TUCKER

ROADMASTER
DARRIN L. LANE, P.E.
COUNTY ENGINEER
CHARLES R. KNOLL, P.E.

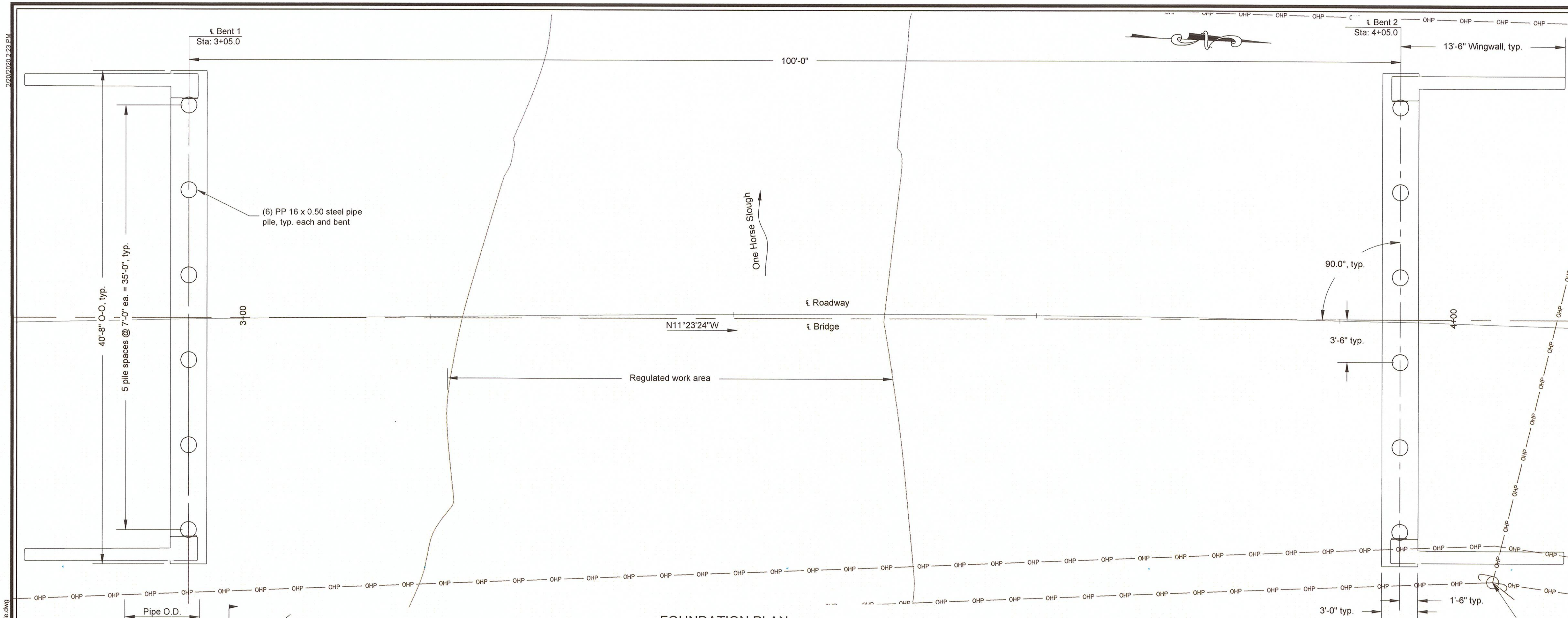
DATE:	REVISION:	BY:

BRIDGE NO: 0024-0462	DATE: 01/27/2020
PROJECT NO: CB 1901	
TRS: T. 11 S., R. 02 W., SEC. 24 & 25	
DESIGNED BY: M. Mason	CHECKED BY: B. Running
DRAFTED BY: A. Potts	REVIEWED BY: B. Nickels

ONE HORSE SLOUGH
(BREWSTER ROAD)
BRIDGE REPLACEMENT
LINN COUNTY

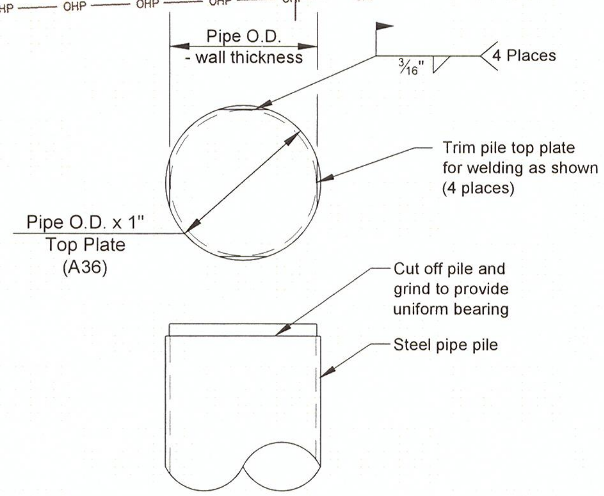
BRIDGE PLANS
FOUNDATION DATA SHEET

AS SHOWN	BR-03



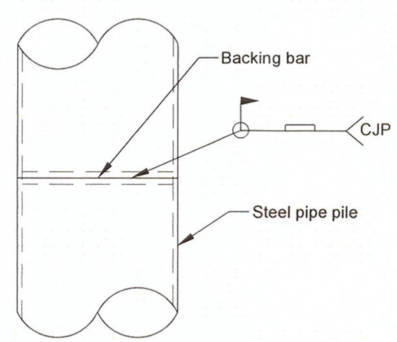
FOUNDATION PLAN

1/8" = 1'-0"



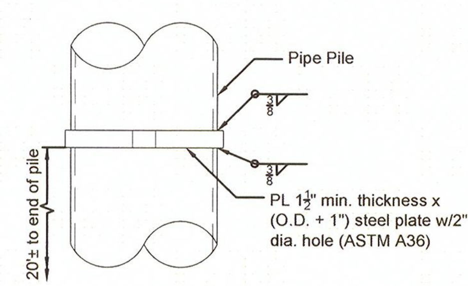
TYPICAL TOP OF PIPE PILE

No Scale



PIPE PILE SPLICE DETAIL

No Scale



PIPE PILE PLUG

No Scale

FOUNDATION GENERAL NOTES:

For all bents, provide pipe pile PP16 x 0.50 conforming to ASTM A252 (Grade 3) driven to a nominal (ultimate) capacity of 271 tons resistance or to refusal. The piles shall be driven open-ended with a steel plug at ±20 feet from the end. Limit one pile splice per pile.

Minimum pile penetration at all bents shall be to a tip elevation of El. = 275.0. Drive all piling to the specified nominal resistance using driving criteria developed from the Wave Equation. Provide a minimum hammer energy of 40 foot kips with a factor of safety of 2.0. Estimated tip elevations are El. = 250.0 for Bent 1 and El. = 244.0 for Bent 2.

All bents are parallel with a bearing of N78°36'36"E

WARNING

If this bar does not measure 1" then drawing is not to scale

REGISTERED PROFESSIONAL ENGINEER
86074PE
OREGON
DECEMBER 31, 2016
ANDREW T. POTTS
Expires: 12/31/20

LINN COUNTY OREGON

LINN COUNTY ROAD DEPARTMENT
3010 FERRY STREET SW
ALBANY, OREGON 97322
PHONE: (541) 967-3919
FAX: (541) 924-0202
E-MAIL: Roads@co.linn.or.us

COUNTY COMMISSION
ROGER NYQUIST CHAIRMAN
JOHN LINDSEY
WILLIAM TUCKER

ROADMASTER
DARRIN L. LANE, P.E.
COUNTY ENGINEER
CHARLES R. KNOLL, P.E.

DATE:	REVISION:	BY:

BRIDGE NO: 0024-0462	DATE: 02/04/2020
PROJECT NO: CB 1901	
TRS: T. 11 S., R. 02 W., SEC. 24 & 25	
DESIGNED BY: A. Potts	CHECKED BY: K. Groom
DRAFTED BY: A. Potts	REVIEWED BY: C. Knoll

ONE HORSE SLOUGH (BREWSTER ROAD) BRIDGE

LINN COUNTY

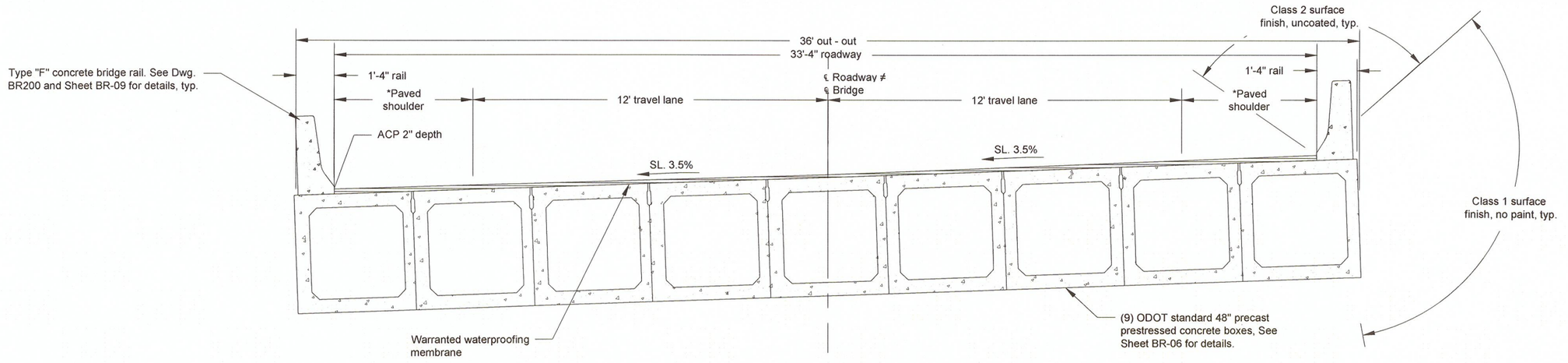
BRIDGE PLANS
FOUNDATION PLAN & DETAILS

SCALE: AS SHOWN

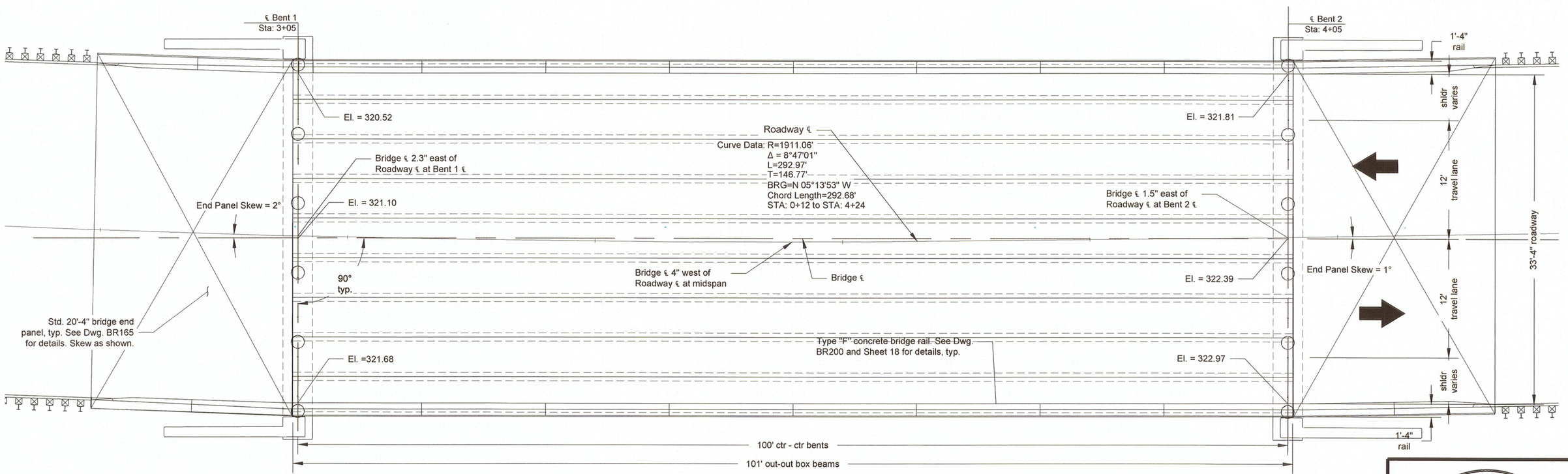
BR-04

K:\Projects - Current\BR 0024-0462 Brewster Rd One Horse Slough Bridge\DWG\OneHorse_Slough_BrewsterRd_Design_File.dwg

2/20/2020 2:23 PM



TYPICAL SECTION
1/4" = 1'



NOTE:
Elevations shown are finished grade at the intersection of Bent ℄ and Roadway ℄ or gutterlines.

DECK PLAN
1" = 10'-0"

Note:
Elevations are based on NGVD29/47 (M.S.L. = 0.00)

WARNING
If this bar does not measure 1" then drawing is not to scale

LINN COUNTY ROAD DEPARTMENT
3010 FERRY STREET SW
ALBANY, OREGON 97322
PHONE: (541) 967-3919
FAX: (541) 924-0202
E-MAIL: Roads@co.linn.or.us

COUNTY COMMISSION
ROGER NYQUIST CHAIRMAN
JOHN LINDSEY
WILLIAM TUCKER

ROADMASTER
DARRIN L. LANE, P.E.
COUNTY ENGINEER
CHARLES R. KNOLL, P.E.

DATE:	REVISION:	BY:

BRIDGE NO: 0024-0462	DATE: 02/04/2020	
PROJECT NO: CB 1901		
TRS: T. 11 S., R. 02 W., SEC. 24 & 25		
DESIGNED BY: A. Potts	CHECKED BY: K. Groom	
DRAFTED BY: A. Potts	REVIEWED BY: C. Knoll	

ONE HORSE SLOUGH (BREWSTER ROAD) BRIDGE

LINN COUNTY

BRIDGE PLANS
DECK PLAN & TYPICAL SECTION

SCALE: As Shown

BR-05

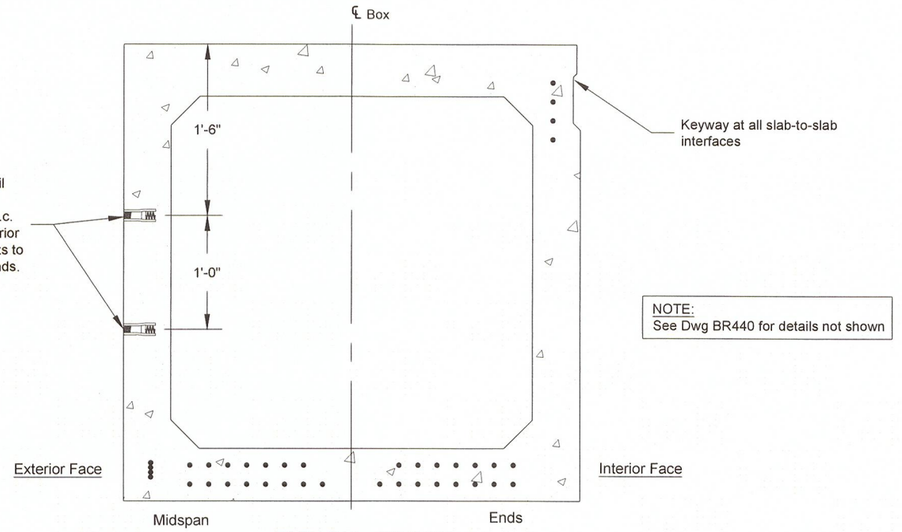
REGISTERED PROFESSIONAL ENGINEER
86074PE
OREGON
DECEMBER 31, 2016
ANDREW T. POTTS
Expires: 12/31/20

2/20/2020 2:23 PM

K:\Projects - Current\BR 0024-0462 Brewster Rd One Horse Slough Bridge\DWG\OneHorse_Slough_BrewsterRd_Design_File.dwg

48" Box Beam Schedule																		
												Skew Angle (°)		Est. Midspan Deflection, in.					
No. Beams Required	Span c-c bents, ft	"A" o-o Horiz. Length, ft (after shortening & Grade Adjustment)	Box Beam Weight, kip	Concrete strength at 28 days, ksi	Concrete strength at release, ksi	Initial Tension per Strand, kips	Total Strand	No. of Debonded Strand	No. of Deflected Strand	Distance "dm" to c.g.s. at midspan, in.	Distance "de" to c.g.s. at ends, in.	Back	Ahead	Upward at transfer of prestress, in.	Upward 3 months after transfer of prestress (No SIDL)	Upward 5 years after transfer of prestress (No SIDL)	Instantaneous Downward Due to SIDL	Downward Due to SIDL 5 yrs. after loading	Estimated Shortening 2 weeks after Transfer of Prestress, in.
9	100.0'	101.0'	110.1	5.0	4.1	31.0	38	0	8	2.80	10.75	0	0	$1\frac{1}{4}$"	$2\frac{1}{4}$	$2\frac{3}{8}$	$\frac{1}{2}$	$1\frac{3}{8}$	$\frac{3}{4}$"

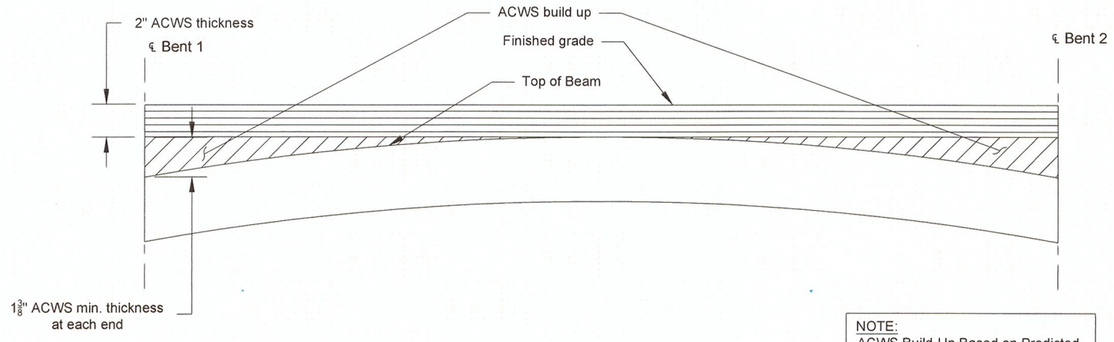
-The superimposed dead load (SIDL) is 65 psf, which includes the wearing surface, and bridge rails.



NOTE:
See Dwg BR440 for details not shown

TYPICAL 48" BOX PRESTRESSING STRAND PATTERN

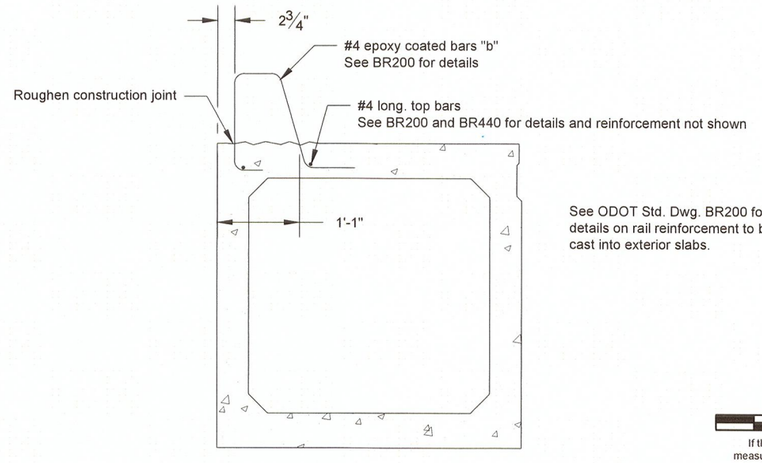
3/4" = 1'-0"



NOTE:
ACWS Build-Up Based on Predicted Beam Camber. Check Beam Camber Prior to Erection and Adjust Build-Up as Required

ACWS BUILD UP DETAIL

NTS



See ODOT Std. Dwg. BR200 for details on rail reinforcement to be cast into exterior slabs.

TYPICAL 48" BOX EXTERIOR SLAB RAIL REINFORCEMENT

1/2" = 1'-0"

WARNING

If this bar does not measure 1" then drawing is not to scale

REGISTERED PROFESSIONAL ENGINEER
86074PE
OREGON
DECEMBER 31, 2016
ANDREW T. POTTS
Expires: 12/31/20

LINN COUNTY ROAD DEPARTMENT
3010 FERRY STREET SW
ALBANY, OREGON 97322
PHONE: (541) 967-3919
FAX: (541) 924-0202
E-MAIL: Roads@co.linn.or.us

COUNTY COMMISSION
ROGER NYQUIST
CHAIRMAN
JOHN LINDSEY
WILLIAM TUCKER

ROADMASTER
DARRIN L. LANE, P.E.
COUNTY ENGINEER
CHARLES R. KNOLL, P.E.

DATE:	REVISION:	BY:

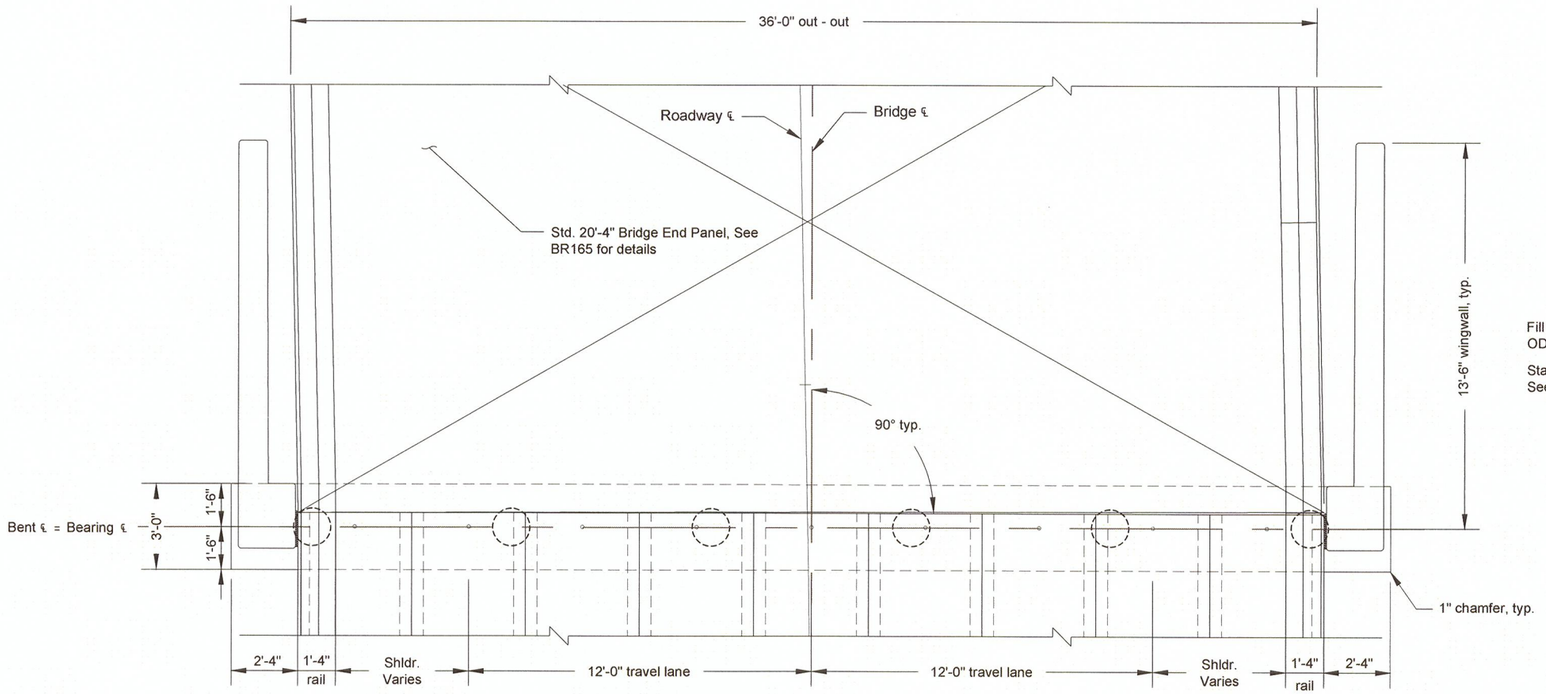
BRIDGE NO: 0024-0462 DATE: 02/04/2020
PROJECT NO: CB 1901
TRS: T. 11 S., R. 02 W., SEC. 24 & 25
DESIGNED BY: A. Potts CHECKED BY: K. Groom
DRAFTED BY: A. Potts REVIEWED BY: C. Knoll

ONE HORSE SLOUGH (BREWSTER ROAD) BRIDGE
LINN COUNTY

BRIDGE PLANS
P/S BOX DETAILS

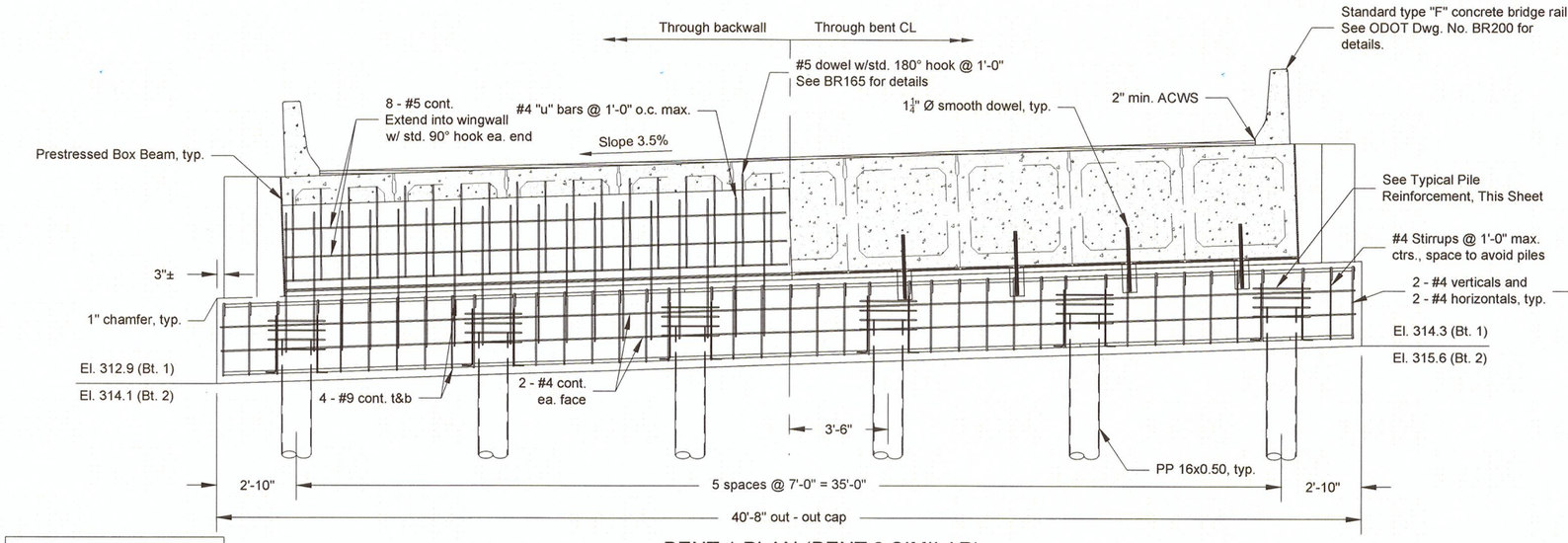
SCALE: As Shown

BR-06



BENT 1 PLAN (BENT 2 SIMILAR)

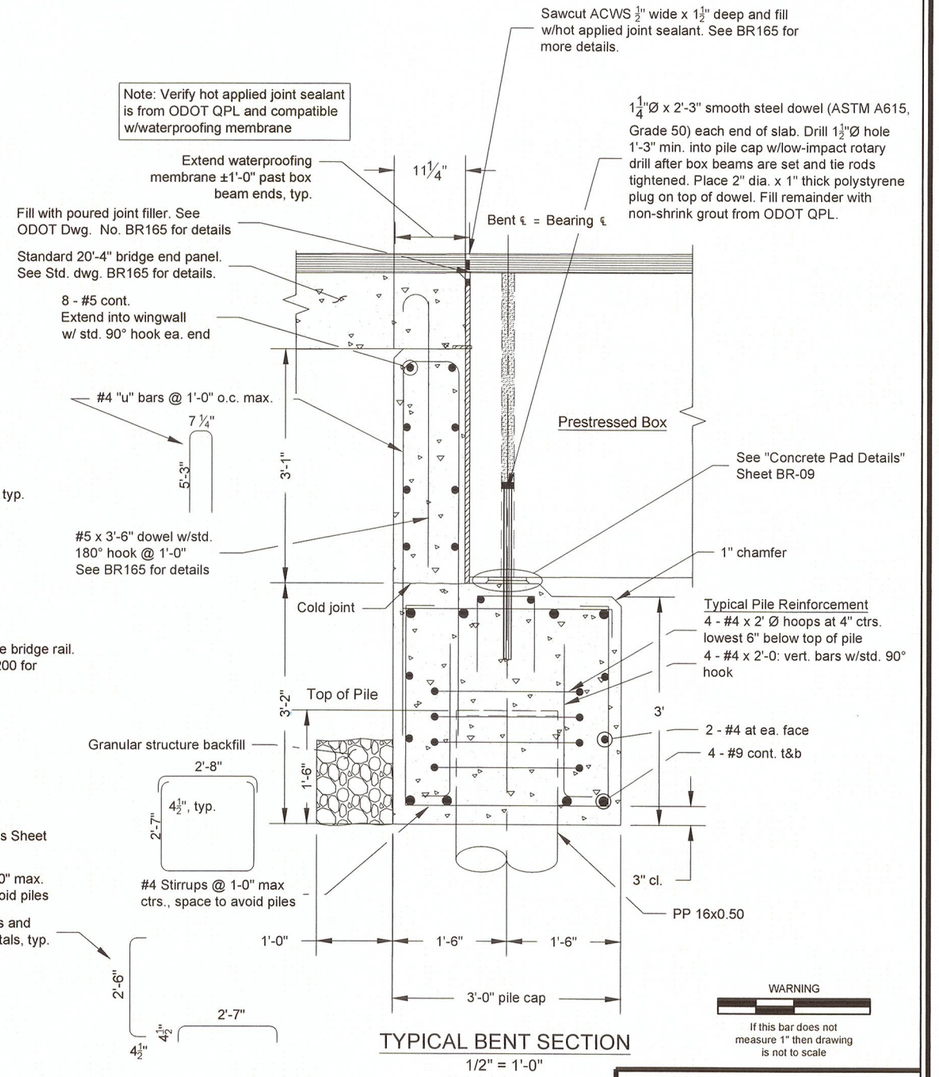
3/16" = 1'-0"



Note: Wingwall reinforcement and end panel not shown for clarity.

BENT 1 PLAN (BENT 2 SIMILAR)

3/16" = 1'-0"



TYPICAL BENT SECTION

1/2" = 1'-0"

WARNING

If this bar does not measure 1" then drawing is not to scale

LINN COUNTY ROAD DEPARTMENT
3010 FERRY STREET SW
ALBANY, OREGON 97322
PHONE: (541) 967-3919
FAX: (541) 924-0202
E-MAIL: Roads@co.linn.or.us

COUNTY COMMISSION
ROGER NYQUIST CHAIRMAN
JOHN LINDSEY
WILLIAM TUCKER

ROADMASTER
DARRIN L. LANE, P.E.
COUNTY ENGINEER
CHARLES R. KNOLL, P.E.

DATE:	REVISION:	BY:

BRIDGE NO: 0024-0462	DATE: 02/04/2020		
PROJECT NO: CB 1901			
TRS: T. 11 S., R. 02 W., SEC. 24 & 25			
DESIGNED BY: A. Potts	CHECKED BY: K. Groom		
DRAFTED BY: A. Potts	REVIEWED BY: C. Knoll		

ONE HORSE SLOUGH (BREWSTER ROAD) BRIDGE

LINN COUNTY

BRIDGE PLANS
BENT DETAILS

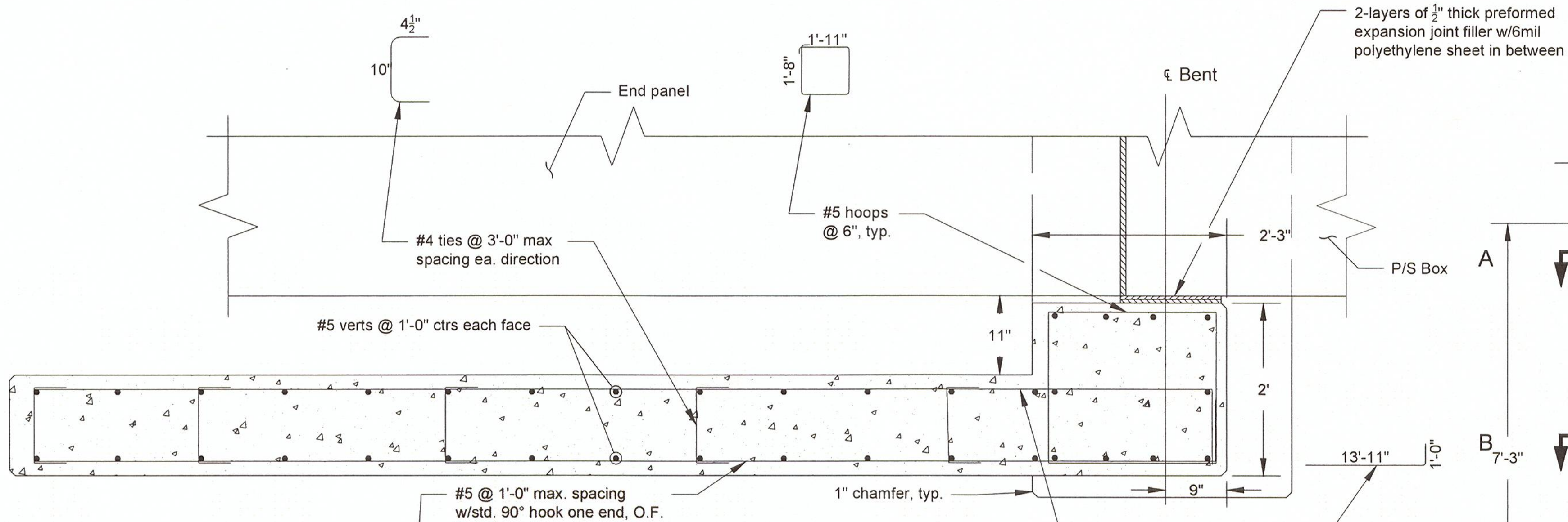
SCALE: As Shown

BR-07

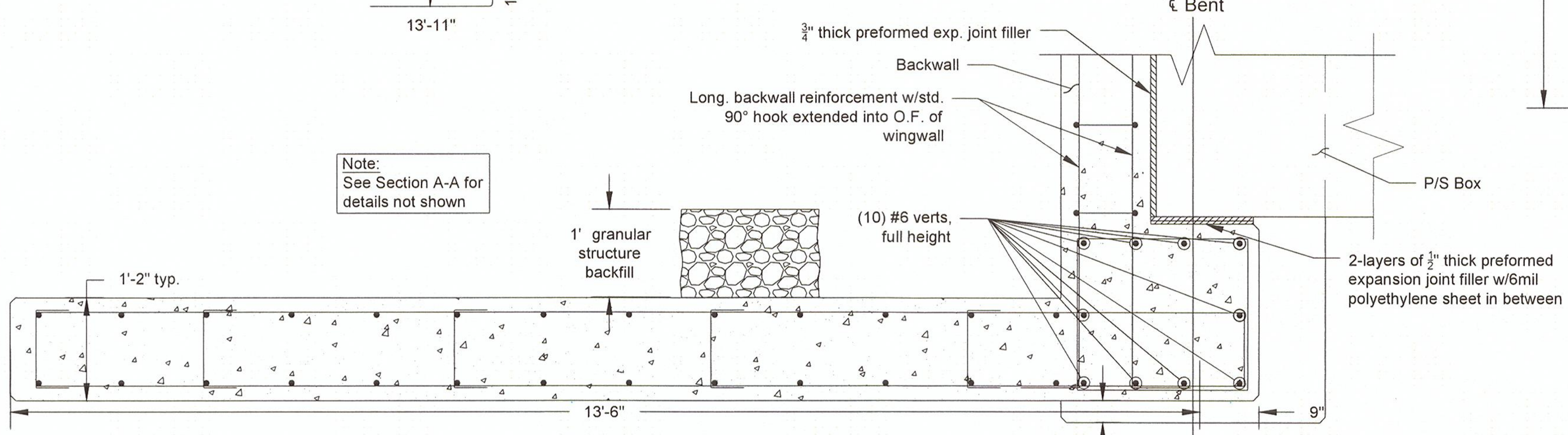
REGISTERED PROFESSIONAL ENGINEER
86074PE
OREGON
DECEMBER 31, 2016
ANDREW T. POTTS

Expires: 12/31/20

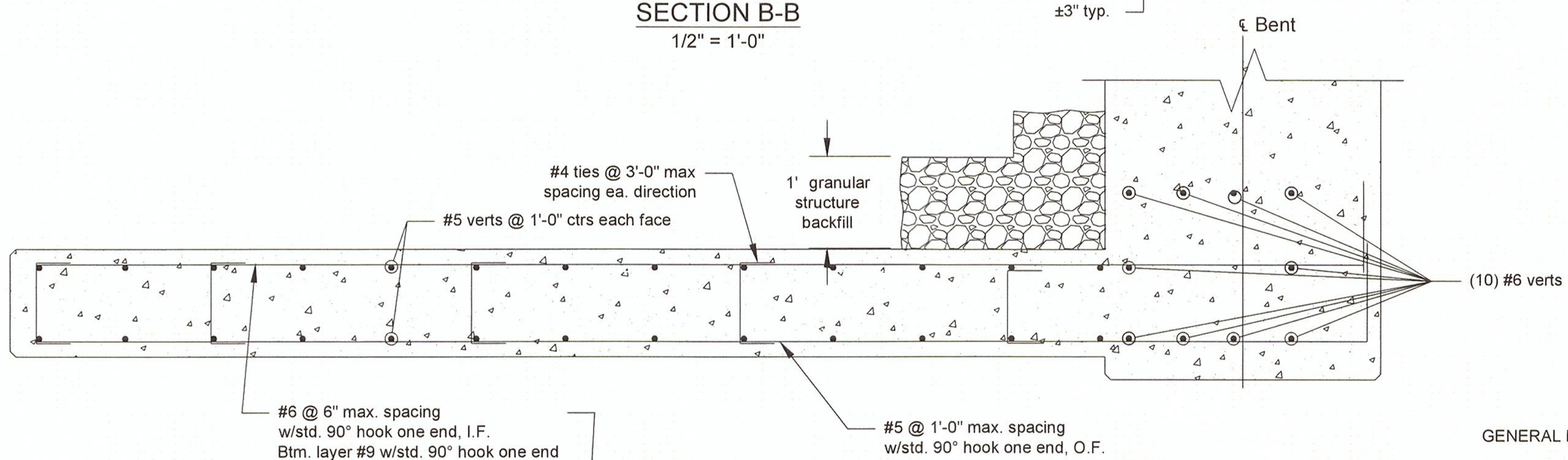
K:\Projects - Current\BR 0024-0462 Brewster Rd One Horse Slough Bridge\DWGS\OneHorse_Slough_BrewsterRd_Design_File.dwg



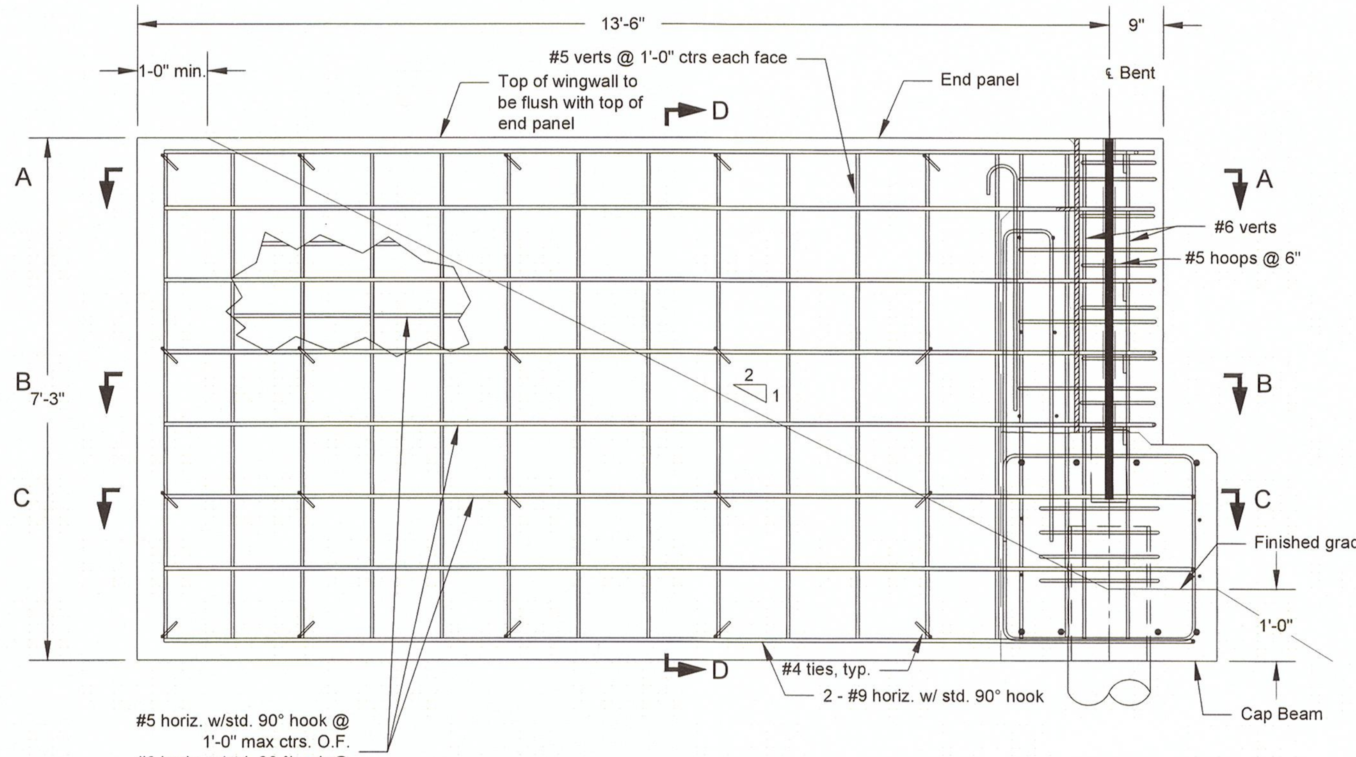
SECTION A-A
1/2" = 1'-0"



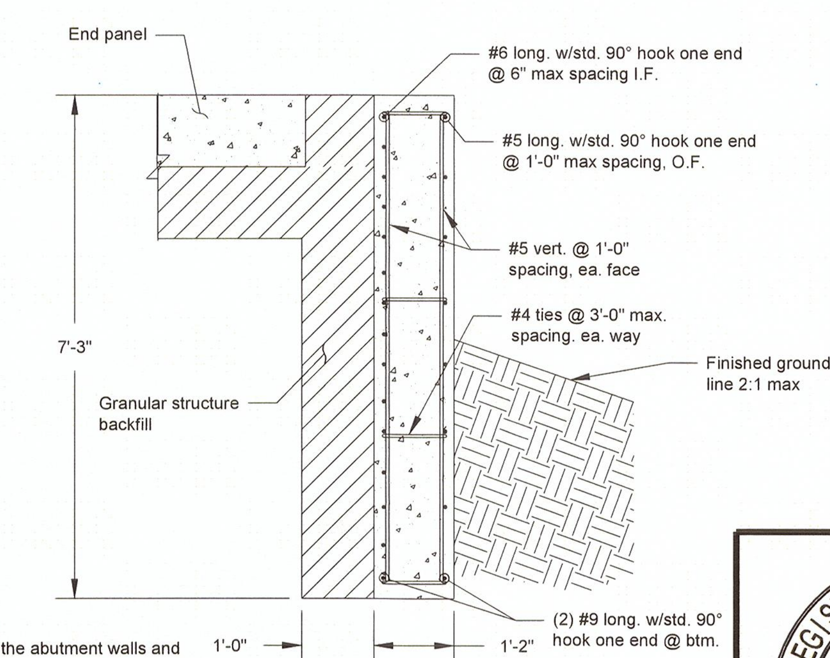
SECTION B-B
1/2" = 1'-0"



SECTION C-C
1/2" = 1'-0"



TYPICAL WINGWALL ELEVATION
3/8" = 1'-0"



SECTION D-D
3/8" = 1'-0"

WARNING
If this bar does not measure 1" then drawing is not to scale

GENERAL NOTES:

1. Hand compact fill within 1'-0" of face of wingwalls.
2. Placement and compaction of imported fill behind the abutment walls and wing walls should be completed using light, vibratory equipment within 5 feet of the wall.
3. Pour bottom of wingwall against undisturbed or compacted material.

REGISTERED PROFESSIONAL ENGINEER 86074PE OREGON DECEMBER 31, 2016 ANDREW T. POTTS
Expires: 12/31/20

LINN COUNTY ROAD DEPARTMENT
3010 FERRY STREET SW
ALBANY, OREGON 97322
PHONE: (541) 967-3919
FAX: (541) 924-0202
E-MAIL: Roads@co.linn.or.us

COUNTY COMMISSION
ROGER NYQUIST CHAIRMAN
JOHN LINDSEY
WILLIAM TUCKER

ROADMASTER
DARRIN L. LANE, P.E.
COUNTY ENGINEER
CHARLES R. KNOLL, P.E.

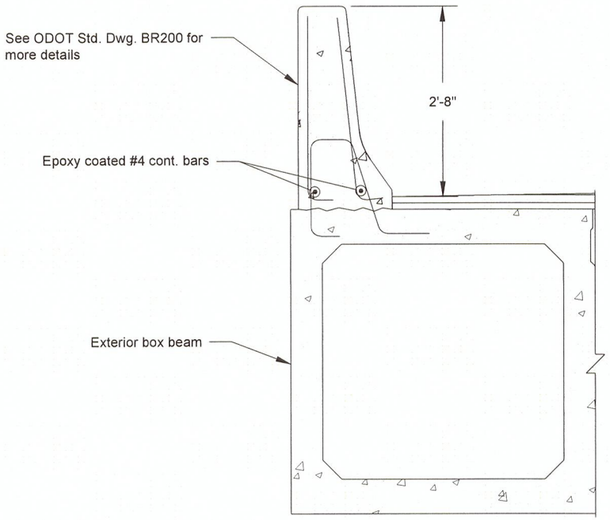
DATE:	REVISION:	BY:

BRIDGE NO: 0024-0462	DATE: 02/04/2020
PROJECT NO: CB 1901	
TRS: T. 11 S., R. 02 W., SEC. 24 & 25	
DESIGNED BY: A. Potts	CHECKED BY: K. Groom
DRAFTED BY: A. Potts	REVIEWED BY: C. Knoll

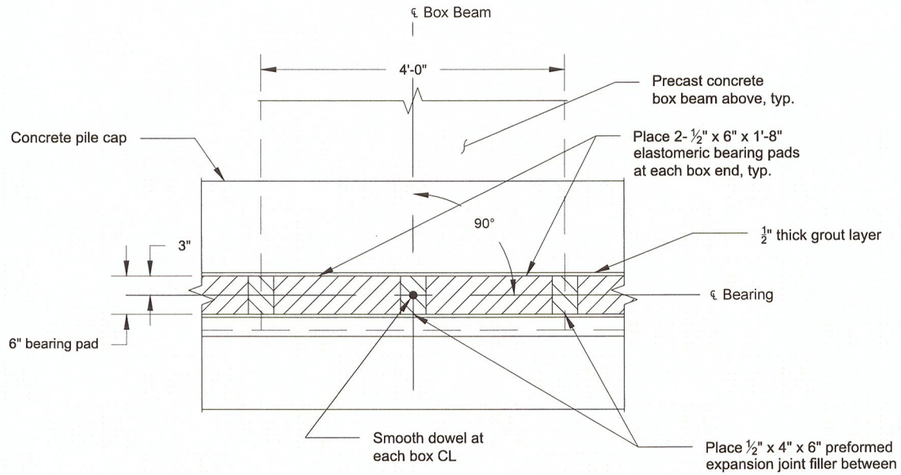
ONE HORSE SLOUGH (BREWSTER ROAD) BRIDGE
LINN COUNTY

BRIDGE PLANS
WINGWALL DETAILS

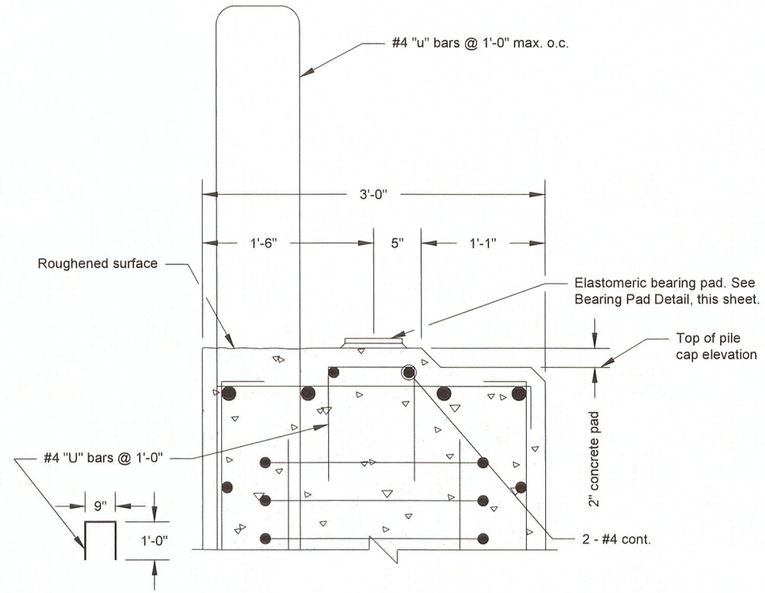
SCALE: AS SHOWN
BR-08



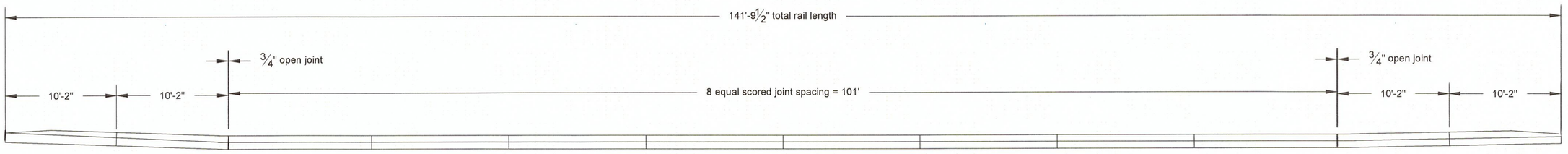
RAIL SECTION
1/2" = 1'-0"



BEARING PAD DETAIL
1/2"=1'-0



CONCRETE PAD DETAILS
3/4" = 1'-0"



RAIL JOINT SPACING
1" = 10'

WARNING
If this bar does not measure 1" then drawing is not to scale

REGISTERED PROFESSIONAL ENGINEER
86074PE
OREGON
DECEMBER 31, 2016
ANDREW T. POTTS
Expires: 12/31/20

LINN COUNTY ROAD DEPARTMENT	3010 FERRY STREET SW ALBANY, OREGON 97322 PHONE: (541) 967-3919 FAX: (541) 924-0202 E-MAIL: Roads@co.linn.or.us
COUNTY COMMISSION	ROGER NYQUIST CHAIRMAN JOHN LINDSEY WILLIAM TUCKER
ROADMASTER DARRIN L. LANE, P.E. COUNTY ENGINEER CHARLES R. KNOLL, P.E.	

DATE:	REVISION:	BY:

BRIDGE NO: 0024-0462	DATE: 02/04/2020	
PROJECT NO: CB 1901		
TRS: T. 11 S., R. 02 W., SEC. 24 & 25		
DESIGNED BY: A. Potts	CHECKED BY: K. Groom	
DRAFTED BY: A. Potts	REVIEWED BY: C. Knoll	

ONE HORSE SLOUGH (BREWSTER ROAD) BRIDGE

LINN COUNTY

BRIDGE PLANS
RAIL & MISC. DETAILS

SCALE: AS SHOWN

BR-09