

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
A01	Title Sheet
A02	Index Of Sheets Cont. & Std. Dwg. Nos.
AB01 thru AB02 incl.	Survey Control Data

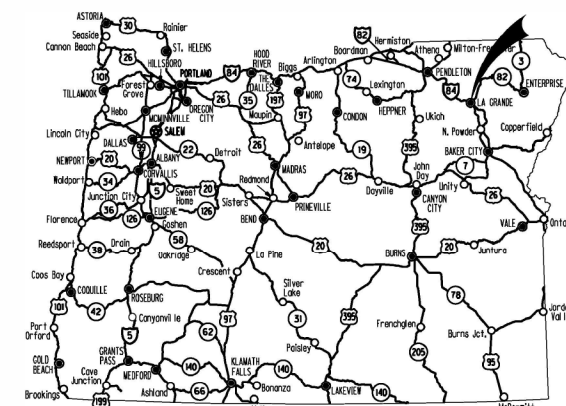
STATE OF OREGON
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED PROJECT

GRADING, DRAINAGE, STRUCTURE & PAVING

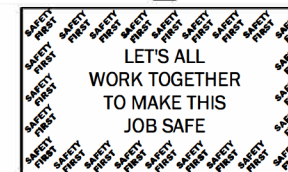
**I-84: BRIDGES OVER NORTH SPRUCE STREET
 (LA GRANDE) PROJECT
 OLD OREGON TRAIL HIGHWAY**

**UNION COUNTY
 JUNE 2026**



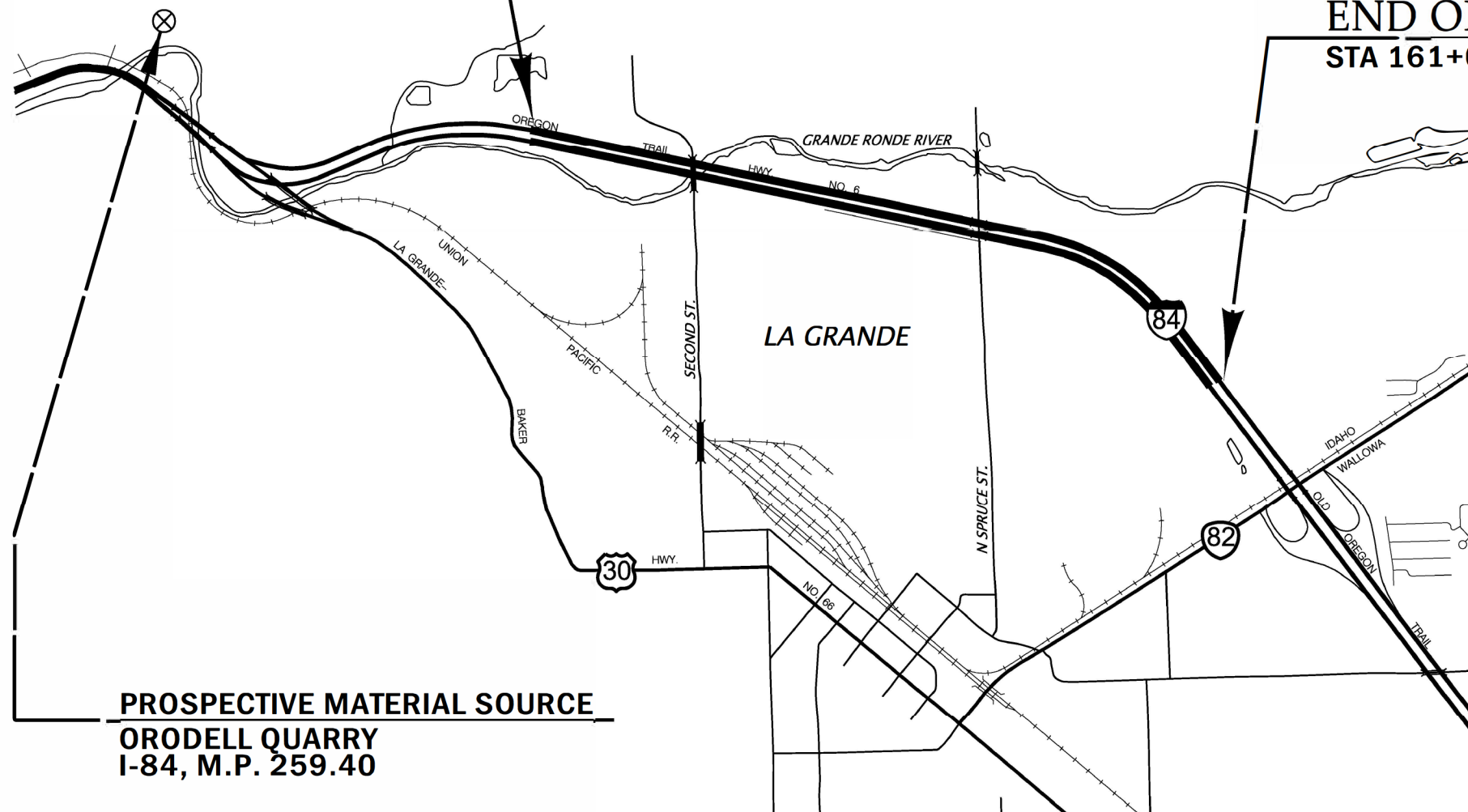
Overall Length Of Project - 1.67 Miles

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).



**BEGINNING OF PROJECT
 STA 73+14 (MP 259.89)**

**END OF PROJECT
 STA 161+09 (MP 261.56)**



**PROSPECTIVE MATERIAL SOURCE
 ORODELL QUARRY
 I-84, M.P. 259.40**

N
 T. 2 S., R. 38 E., W.M.
 T. 3 S., R. 38 E., W.M.



OREGON TRANSPORTATION COMMISSION

- Julie Brown CHAIR
- Lee Beyer VICE CHAIR
- Jeff Baker COMMISSIONER
- Phil Chang COMMISSIONER
- Vacant COMMISSIONER
- Lisa Sumption INTERIM DIRECTOR OF TRANSPORTATION

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

Approving Authority: Stephanie Anderson 2026.03.17 16:34:22 -07'00'
 Stephanie Anderson
 Reg 5 Tech Center Mgr.

PELTZ Tova R
 Digitally signed by PELTZ Tova R
 Date: 2026.04.21 18:41:34 -07'00'

Concurrence by ODOT Chief Engineer

**I-84: BRIDGES OVER NORTH SPRUCE STREET
 (LA GRANDE) PROJECT
 OLD OREGON TRAIL HIGHWAY
 UNION COUNTY**

FEDERAL HIGHWAY ADMINISTRATION	PROJECT NUMBER	SHEET NO.
OREGON DIVISION	S006(183)	A01

PE003642-000

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ROADWAY DETAILS	
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C01	General Construction
C01A	General Construction Notes
C01B	Profiles
C02	General Construction
C02A	General Construction Notes
C02B	Profiles
C03	General Construction
C03A	Construction Notes & Profiles
C04	General Construction
C04A	Construction Notes & Profiles

TRAFFIC CONTROL	
SHEET NO.	DESCRIPTION
EA01 thru EA02 incl.	Traffic Control Details
STAGE I	
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EROSION CONTROL	
PHASE 1: DEMOLITION, CLEARING, GRADING, EXCAVATION	
SHEET NO.	DESCRIPTION
FB01 thru FB03 incl.	Erosion and Sediment Control Plan
PHASE 2: STREET & UTILITIES	
FB04 thru FB06 incl.	Erosion and Sediment Control Plan
PHASE 3: FINAL STABILIZATION	
FB07 thru FB09 incl.	Erosion and Sediment Control Plan

GEOTECHNICAL	
SHEET NO.	DESCRIPTION
GE01	Material Source Site Plan
GE02	Cross Sections

BRIDGE		
SHEET NO.	B.D.S. DWG. NO.	DESCRIPTION
STRUCTURE #09630, #09630A, #09631 & #09631A		
J01	114060	Location Map, Gen. Notes and Misc. Details
J02	114061	Bridge Rail Details
J03	114062	Sleeper Slab Details
J04	114063	Approach Slab Details
JA01	114064	BR09630 Plan, Notes and Details
JB01	114065	BR09630A Plan, Notes and Details
JC01	114066	BR09631 Plan, Notes and Details
JD01	114067	BR09631A Plan, Notes and Details

Standard Dwg. Nos.

- RD150 - Slope Rounding
- RD300 - Trench Backfill, Bedding, Pipe Zone And Multiple Installations
- RD319 - Miscellaneous Culvert Details
- RD320 - Paved End Slope For Culverts 60" Maximum Pipe Size
- RD388 - Fill Height Tables For PVC Pipe
- RD402 - Midwest Guardrail System Types
- RD403 - Midwest Guardrail System Wood Post And Block
- RD404 - Midwest Guardrail System Steel Post And Block
- RD407 - Midwest Guardrail System (W-Beam)
- RD410 - Thrie Beam Guardrail Transition
- RD416 - Midwest Guardrail System Standard Hardware (Nuts, Bolts, Washers And Misc.)
- RD419 - Midwest Guardrail System Grading For Terminals
- RD420 - Midwest Guardrail System Non-Flared Energy-Absorbing Terminal
- RD442A - Midwest Guardrail System Placement at Bridge Ends
- RD451 - Wood Breakaway Posts
- RD481 - Midwest Guardrail System Height Conversion
- RD482 - Midwest Guardrail System Type 3 (Nested W-Beam)
- RD500 - 32" Concrete Barrier Type "F" Precast
- RD501 - 32" Concrete Barrier Type "F" Precast Reinforcing
- RD503 - Precast Concrete Barrier Pin and Loop Assembly For Temporary Installation And Maintenance Purposes Only
- RD610 - Asphalt Concrete Pavement (ACP) Details
- RD615 - Surface Edge Details
- RD810 - Barbed And Woven Wire Fences
- RD1010 - Inlet Protection Type 2, 3, 6, 7, 10 And 11
- RD1030 - Sediment Barrier Type 2, 3 And 4
- BR157 - Asphaltic Plug Joint Seal
- BR165 - Bridge Approach Slab
- BR195 - Bridge ID Marker
- BR200 - Type "F" Concrete Rail
- BR203 - Transition Type "F" Concrete Rail to Guardrail
- BR241 - Protective Fencing Details-1
- BR290 - Type "F" Concrete Rail, 42 Inch
- BR291 - Transition Type "F" Concrete Rail, 42 Inch to Guardrail
- BR500 - Concrete Repair

Standard Dwg. Nos., Cont.

- TM200 - Sign Installation Details
- TM201 - Miscellaneous Sign Placement Details
- TM500 - Pavement Marking Standard Detail Blocks
- TM521 - Durable & High Performance Pavement Markings Surface & Groove Installed
- TM560 - Alignment Layout: General
- TM570 - Traffic Delineators
- TM571 - Traffic Delineators Steel Post Details
- TM577 - Traffic Delineator Installation for Special Applications
- TM675 - Extruded Aluminum Panels
- TM676 - Sign Attachments
- TM681 - Perforated Steel Square Tube (PSST) Sign Support Installation
- TM687 - Perforated Steel Square Tube (PSST) Anchor Foundation
- TM800 - Tables, Abrupt Edge and PCMS Details
- TM820 - Temporary Barricades
- TM821 - Temporary Sign Supports
- TM822 - Temporary Sign Supports
- TM833 - Temporary Impact Attenuators
- TM850 - 2-Lane, 2-Way Roadways
- TM855 - 2-Lane, 2-Way Roadways
- TM860 - Freeway Sections-Ramps

R/W Map No.: 88-36-3





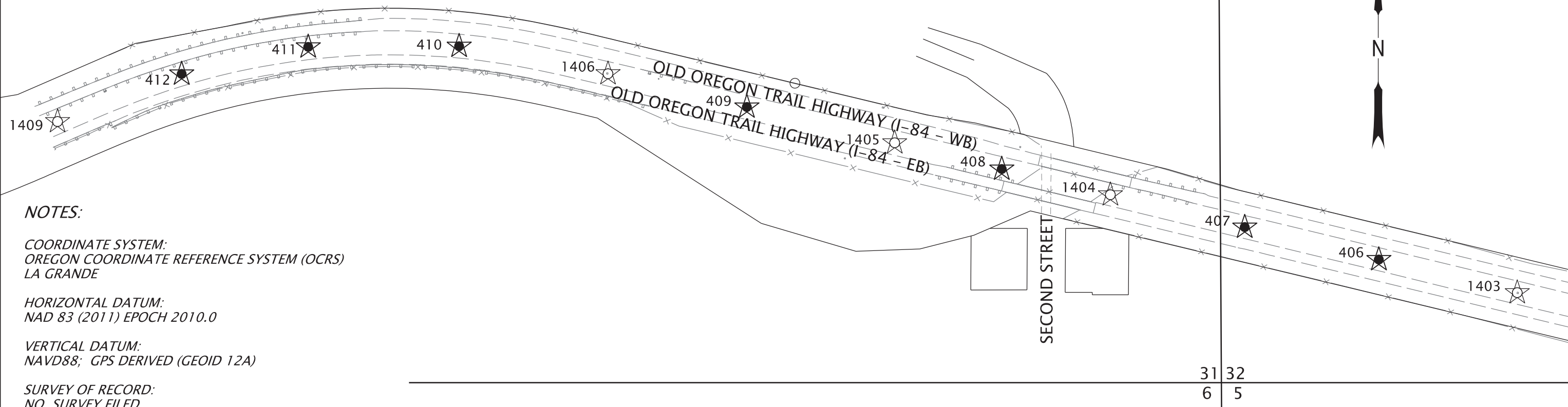
**I-84: BRIDGES OVER NORTH SPRUCE STREET
(LA GRANDE) PROJECT**
OLD OREGON TRAIL HIGHWAY
UNION COUNTY

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>

S 1/2 SEC. 31, T. 2 S., R. 38 E., W.M.
 SW 1/4 SEC. 32, T. 2 S., R. 38 E., W.M.

LEGEND	
	SET GPS CONTROL POINT
	FOUND GPS CONTROL POINT



NOTES:

COORDINATE SYSTEM:
 OREGON COORDINATE REFERENCE SYSTEM (OCRS)
 LA GRANDE

HORIZONTAL DATUM:
 NAD 83 (2011) EPOCH 2010.0

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

SURVEY OF RECORD:
 NO SURVEY FILED

FIELD VERIFY ALL CONTROL BEFORE USE

NETWORK CONTROL TABLE

PT. NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
406	124572.450	107057.920	2795.36	SET 5/8" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
407	124704.170	106513.660	2798.83	SET 5/8" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
408	124939.980	105527.800	2804.17	SET 5/8" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
409	125191.930	104493.340	2808.89	SET 5/8" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
410	125438.670	103325.790	2813.63	SET 5/8" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
411	125435.970	102713.640	2817.77	SET 5/8" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
412	125325.990	102200.280	2822.53	SET 5/8" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
1403	124438.031	107619.410	2789.97	FOUND 2 1/2" BRASS DISK MARKED "STATE HIGHWAY DEPARTMENT REFERENCE"
1404	124835.559	105968.591	2802.73	FOUND 2 1/2" BRASS DISK MARKED "STATE HIGHWAY DEPARTMENT REFERENCE"
1405	125046.604	105093.453	2806.38	FOUND 2 1/2" BRASS DISK MARKED "STATE HIGHWAY DEPARTMENT REFERENCE"
1406	125327.025	103929.986	2810.95	FOUND 2 1/2" BRASS DISK MARKED "STATE HIGHWAY DEPARTMENT REFERENCE"
1409	125132.632	101696.513	2827.67	FOUND 2 1/2" BRASS DISK MARKED "STATE HIGHWAY DEPARTMENT REFERENCE"




REGISTERED PROFESSIONAL LAND SURVEYOR



Digitally Signed 2026.04.09 07:50:45 -07'00'

OREGON
 JANUARY 14, 2003
 BRET ELITHORP
 63148

EXPIRES: 12-31-2027

OREGON DEPARTMENT OF TRANSPORTATION 	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: THOMAS CLARK CADD Tech: THOMAS CLARK	Reviewer: BRET ELITHORP Checker: BRET ELITHORP
SURVEY CONTROL DATA	
SHEET NO. AB01	

S½ SEC. 32, T. 2 S., R. 38 E., W.M.
 N½ SEC. 5, T. 3 S., R. 38 E., W.M.
 W½ SEC. 4, T. 3 S., R. 38 E., W.M.

LEGEND	
	SET GPS CONTROL POINT
	FOUND GPS CONTROL POINT

NOTES:

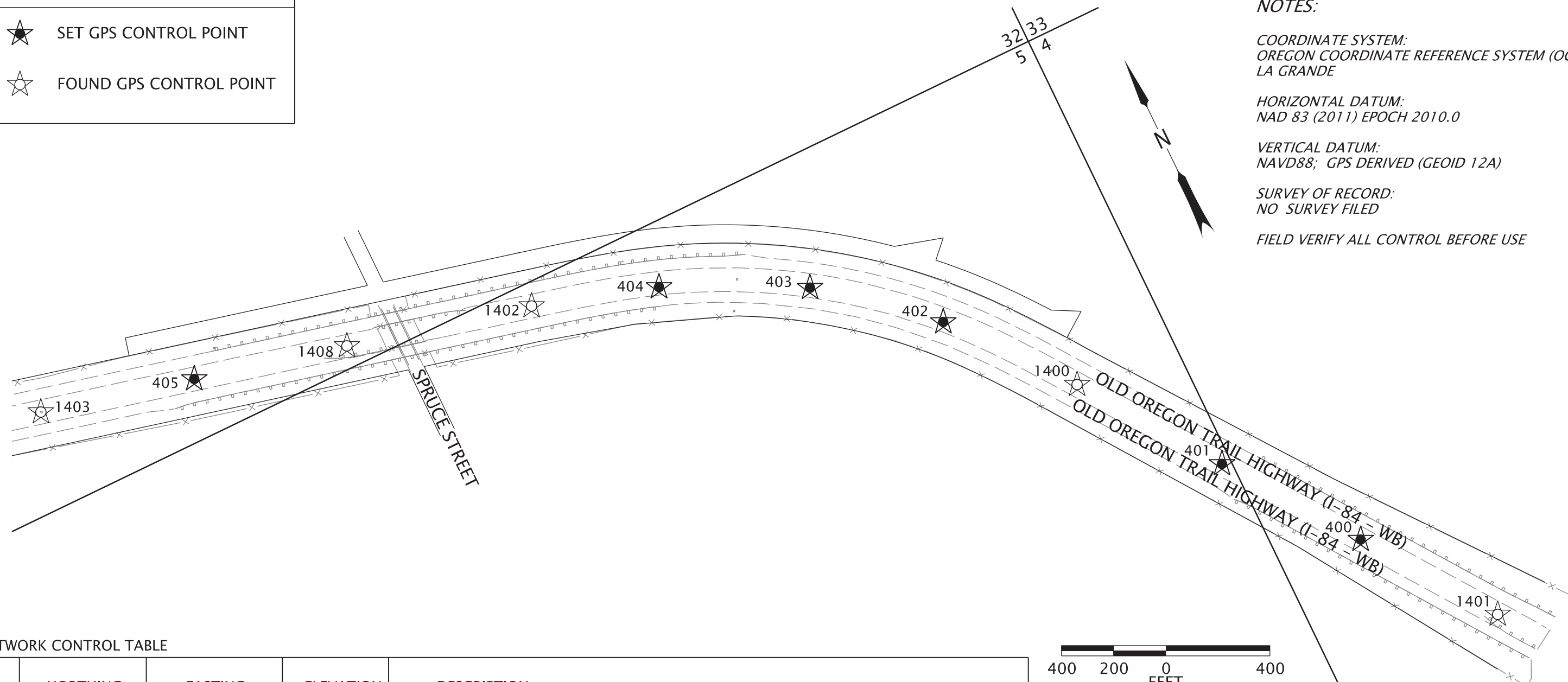
COORDINATE SYSTEM:
 OREGON COORDINATE REFERENCE SYSTEM (OCRS)
 LA GRANDE

HORIZONTAL DATUM:
 NAD 83 (2011) EPOCH 2010.0

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

SURVEY OF RECORD:
 NO SURVEY FILED

FIELD VERIFY ALL CONTROL BEFORE USE



NETWORK CONTROL TABLE

PT. NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
400	121795.020	111970.590	2786.24	SET 5/8" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
401	122288.090	111617.320	2777.28	SET 5/8" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
402	123244.280	110890.530	2776.92	SET 5/8" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
403	123584.940	110486.610	2780.27	SET 5/8" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
404	123839.260	109965.700	2790.28	SET 5/8" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
405	124296.510	108204.940	2793.52	SET 5/8" IRON ROD WITH RED PLASTIC CAP MARKED "ODOT CONTROL"
1400	122804.289	111248.629	2774.79	FOUND 2 1/2" BRASS DISK MARKED "STATE HIGHWAY DEPARTMENT REFERENCE"
1401	121307.758	112319.795	2794.87	FOUND 2 1/2" BRASS DISK MARKED "STATE HIGHWAY DEPARTMENT REFERENCE"
1402	123986.216	109493.457	2798.20	FOUND 2 1/2" BRASS DISK MARKED "STATE HIGHWAY DEPARTMENT REFERENCE"
1403	124438.031	107619.410	2789.97	FOUND 2 1/2" BRASS DISK MARKED "STATE HIGHWAY DEPARTMENT REFERENCE"
1408	124156.303	108787.990	2800.54	FOUND 2 1/2" BRASS DISK MARKED "STATE HIGHWAY DEPARTMENT REFERENCE"



REGISTERED PROFESSIONAL LAND SURVEYOR

Digitally Signed 2026.04.09 07:51:28 -07'00'

OREGON
 JANUARY 14, 2003
 BRET ELITHORP
 63148

EXPIRES: 12-31-2027

OREGON DEPARTMENT OF TRANSPORTATION

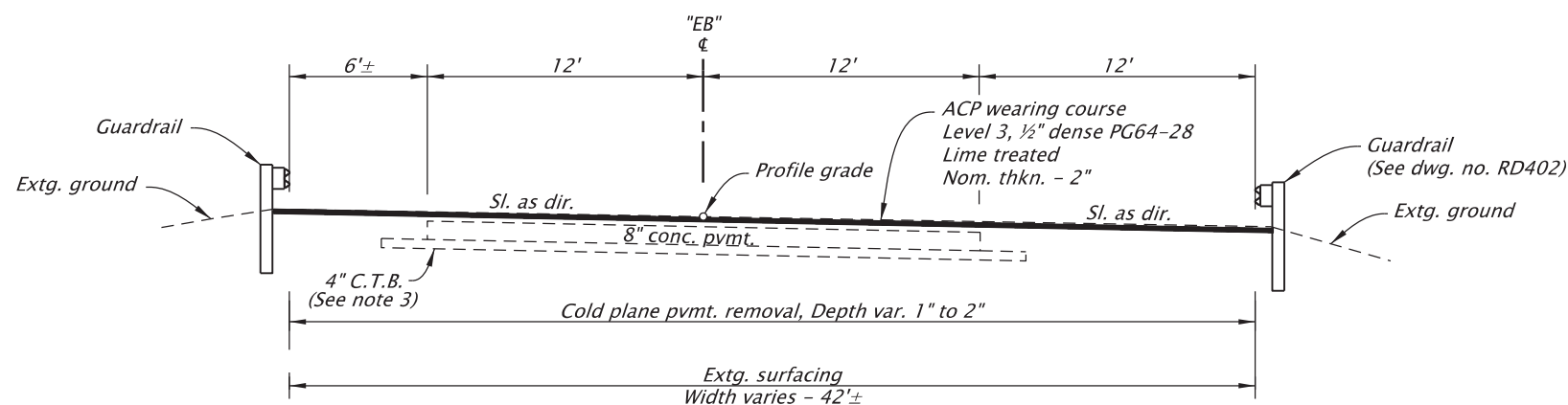
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT
 OLD OREGON TRAIL HIGHWAY
 UNION COUNTY

Designer: THOMAS CLARK Reviewer: BRET ELITHORP
 CADD Tech: THOMAS CLARK Checker: BRET ELITHORP

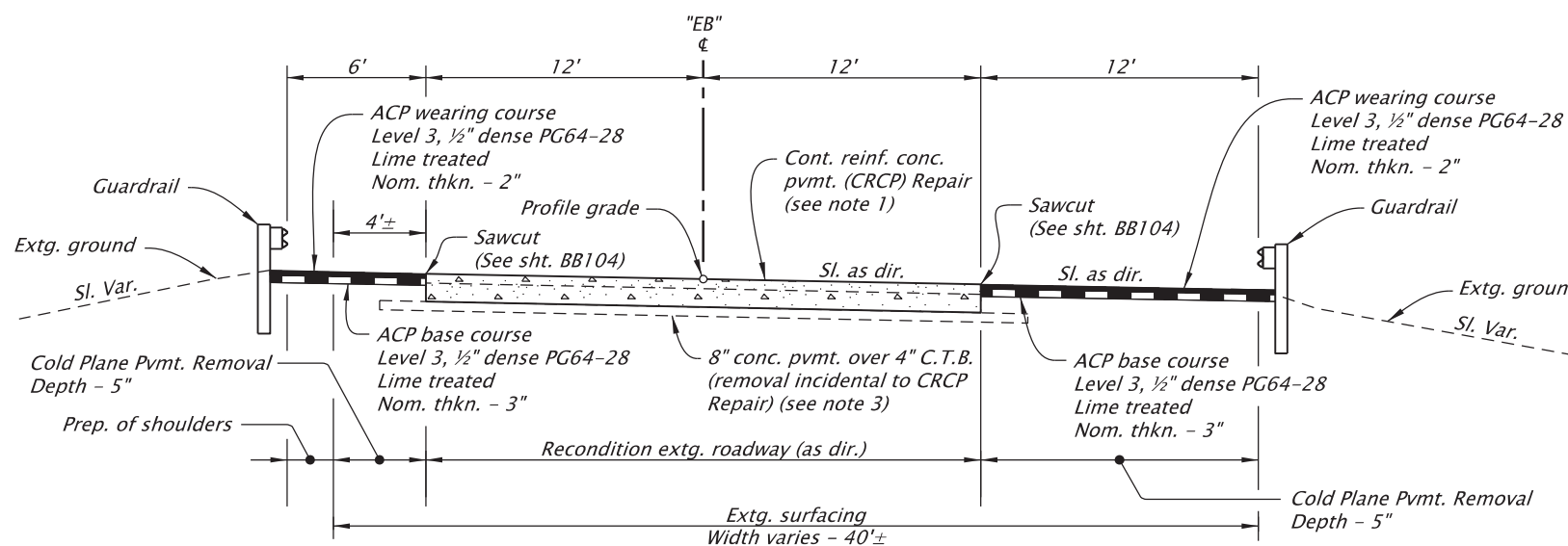
SURVEY CONTROL DATA

SHEET NO. AB02

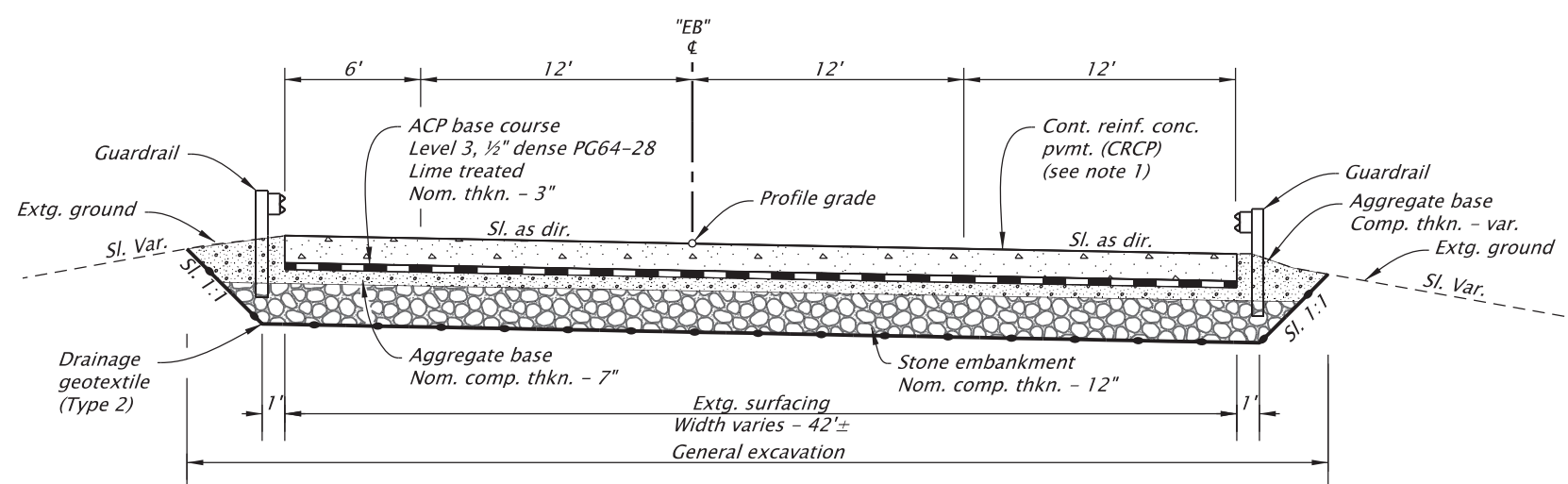
EASTBOUND I-84



STA. "EB" 124+83 TO STA. "EB" 125+63
 "EB" 128+87 TO "EB" 129+67



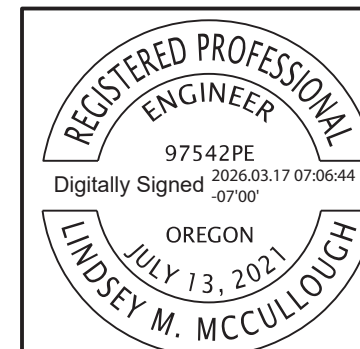
STA. "EB" 125+63 TO STA. "EB" 125+93
 "EB" 128+57 TO "EB" 128+87



STA. "EB" 125+93 TO STA. "EB" 126+23
 "EB" 126+23 TO "EB" 128+27 (STR. #09631A)
 "EB" 128+27 TO "EB" 128+57

TYPICAL SECTION NOTES:

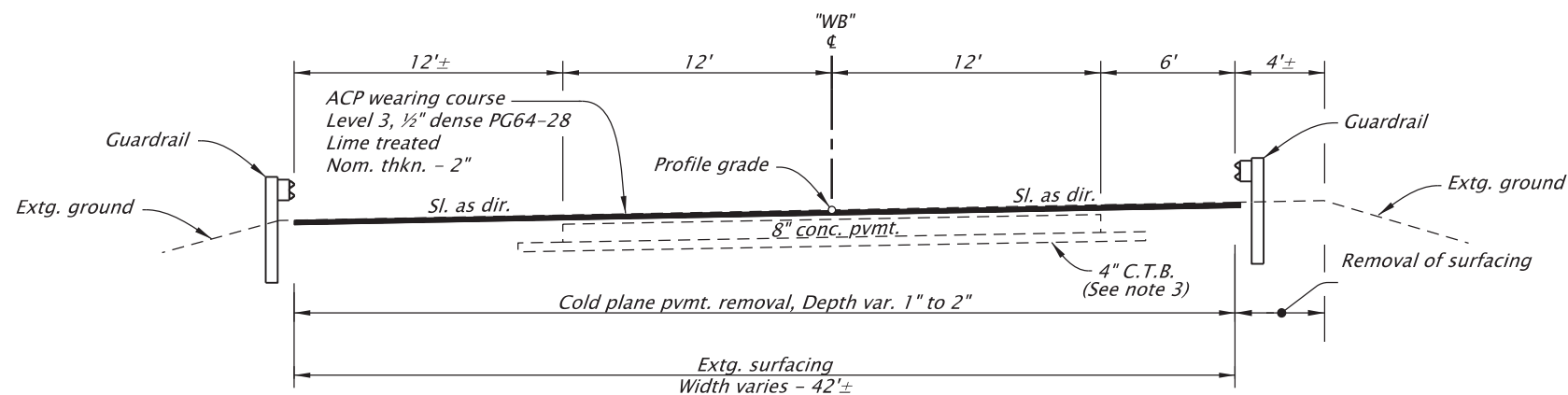
1. For CRCP (continuously reinforced concrete pavement) details, see sht. BB101 thru. BB105.
2. Side-slopes are shown as vert. to horiz. (V:H).
3. Existing cement treated base (C.T.B.) extends approximately 2' beyond extg. conc. pvmt.
4. Replace all permanent pvmt. marking in-kind (see dwg. nos. TM500, TM521 & TM560).
5. For method matching extg. ACP inlay surfacing and for ACP see dwg. no. RD610.



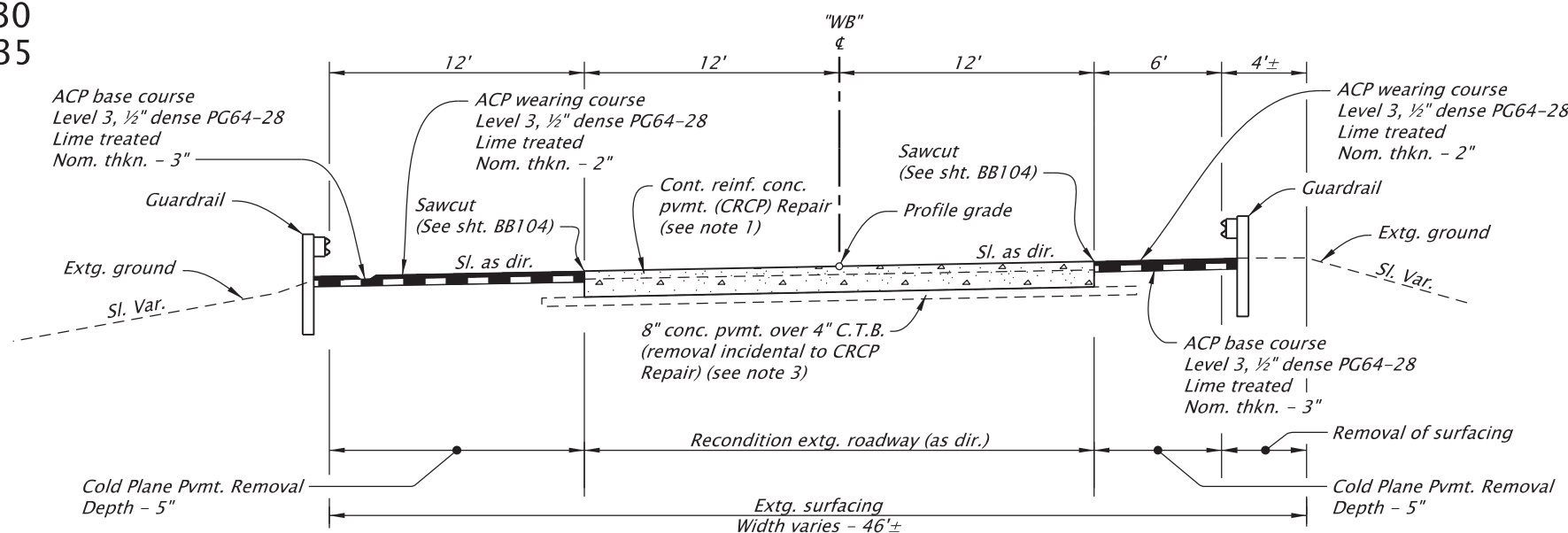
RENEWS: 12-31-2026

<p>OREGON DEPARTMENT OF TRANSPORTATION</p>	
<p>I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY</p>	
Designer: Lindsey M. McCullough CADD Tech: Stephen G. Winburn	Reviewer: Mark J. Kightlinger Checker: Mark J. Kightlinger
<p>TYPICAL SECTIONS</p>	
SHEET NO. BA01	

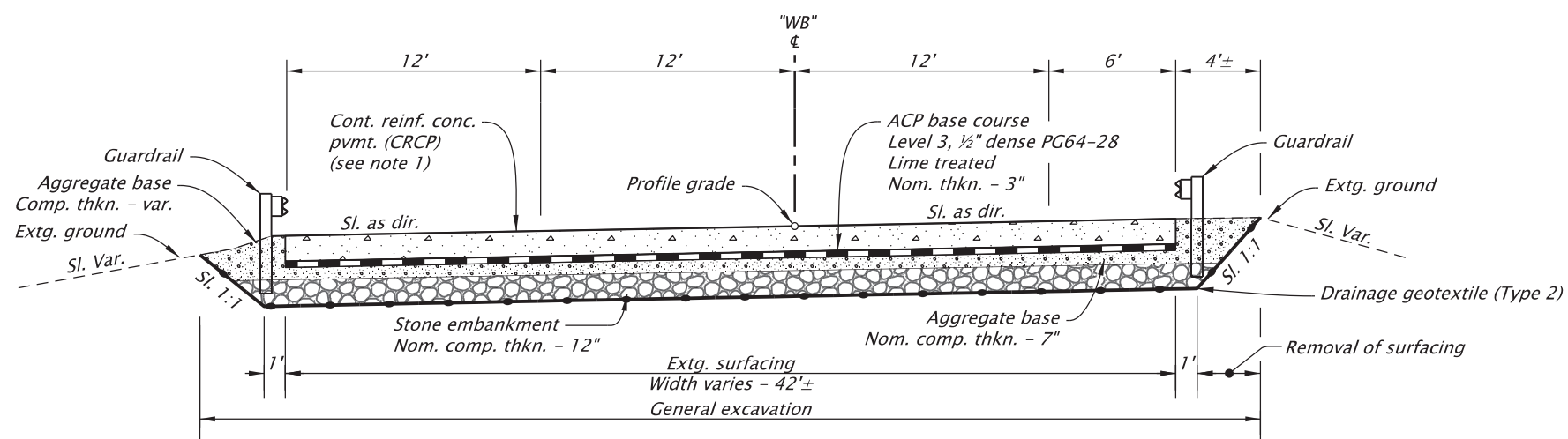
WESTBOUND I-84



STA. "WB" 124+50 TO STA. "WB" 125+30
 "WB" 128+55 TO "WB" 129+35



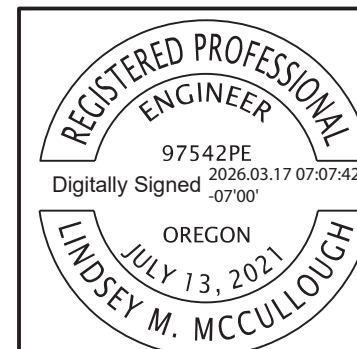
STA. "WB" 125+30 TO STA. "WB" 125+60
 "WB" 128+25 TO "WB" 128+55



STA. "WB" 125+60 TO STA. "WB" 125+90
 "WB" 125+90 TO "WB" 127+95 (STR. #09631)
 "WB" 127+95 TO "WB" 128+25

TYPICAL SECTION NOTES:

1. For CRCP (continuously reinforced concrete pavement) details, see sht. BB101 thru. BB105.
2. Side-slopes are shown as vert. to horiz. (V:H).
3. Existing cement treated base (C.T.B.) extends approximately 2' beyond extg. conc. pvmt.
4. Replace all permanent pvmt. marking in-kind (see dwg. nos. TM500, TM521 & TM560).
5. For method matching extg. ACP inlay surfacing and for ACP see dwg. no. RD610.



RENEWS: 12-31-2026

OREGON DEPARTMENT OF TRANSPORTATION



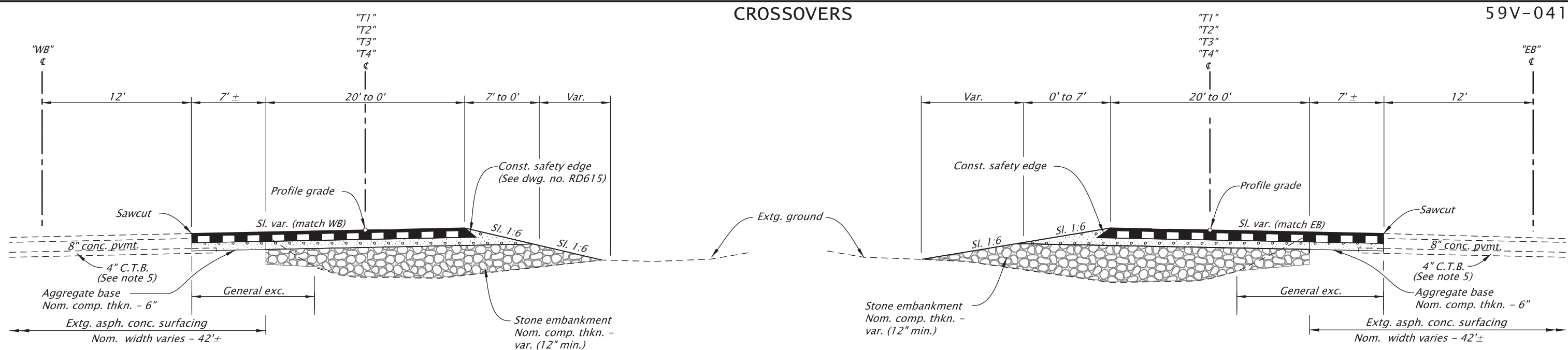
I-84: BRIDGES OVER NORTH SPRUCE STREET
 (LA GRANDE) PROJECT
 OLD OREGON TRAIL HIGHWAY
 UNION COUNTY

Designer: Lindsey M. McCullough Reviewer: Mark J. Kightlinger
 CADD Tech: Stephen G. Winburn Checker: Mark J. Kightlinger

TYPICAL SECTIONS

SHEET NO.
 BA02

CROSSOVERS

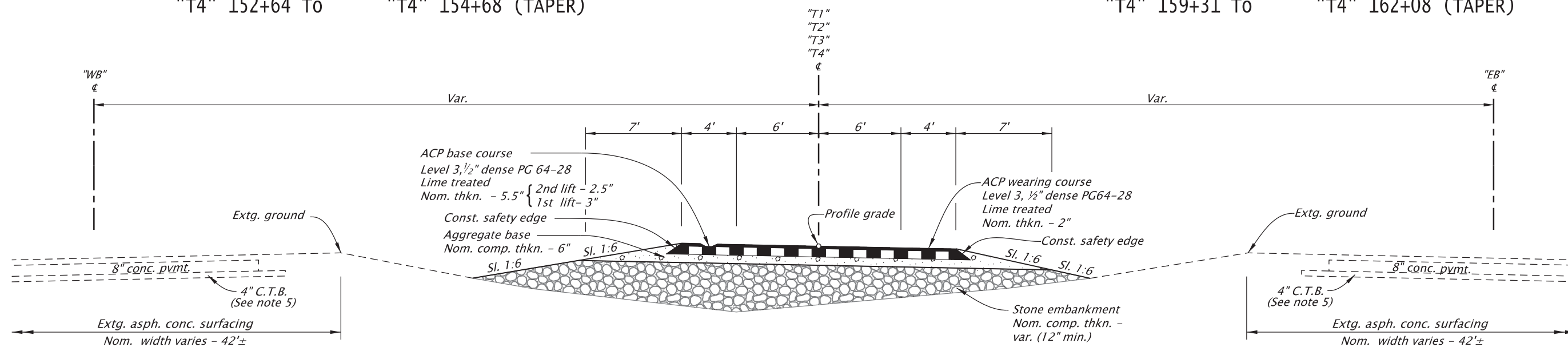


(For surfacing details not shown, see section below)

STA. "T1"	86+87 TO	STA. "T1"	91+03 (TAPER)
"T2"	76+77 TO	"T2"	81+22 (TAPER)
"T3"	139+04 TO	"T3"	143+95 (TAPER)
"T4"	152+64 TO	"T4"	154+68 (TAPER)

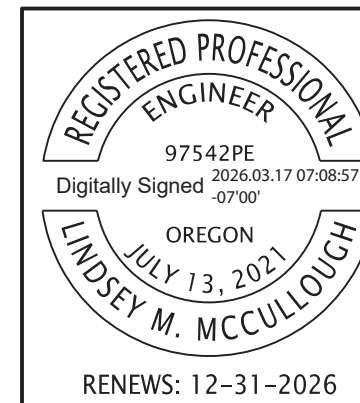
(For surfacing details not shown, see section below)

STA. "T1"	76+77 TO	STA. "T1"	80+99 (TAPER)
"T2"	86+90 TO	"T2"	91+03 (TAPER)
"T3"	129+58 TO	"T3"	131+97 (TAPER)
"T4"	159+31 TO	"T4"	162+08 (TAPER)

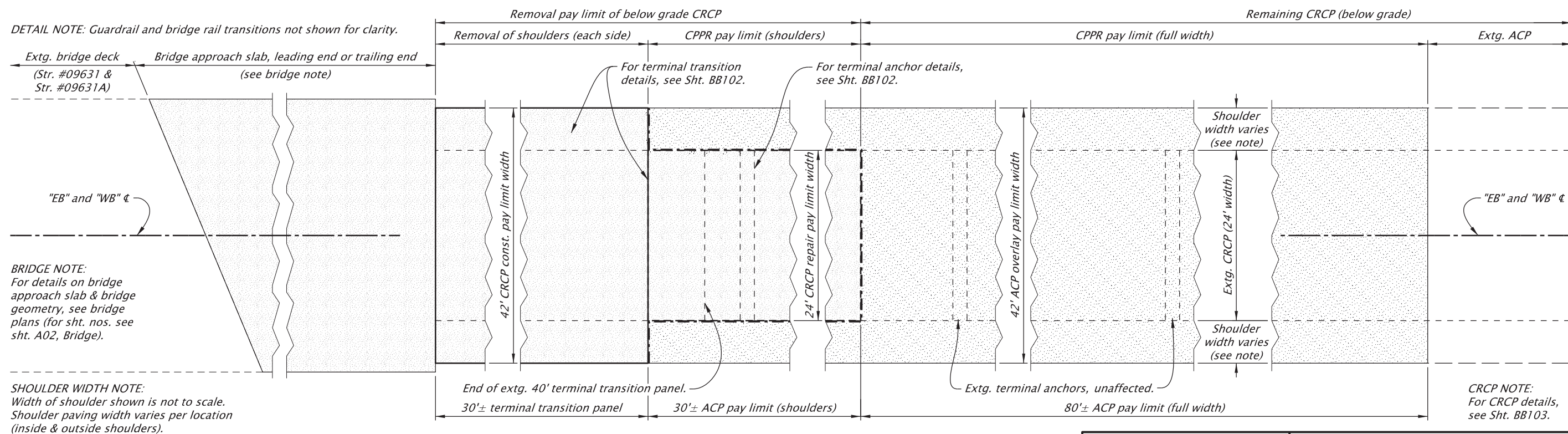
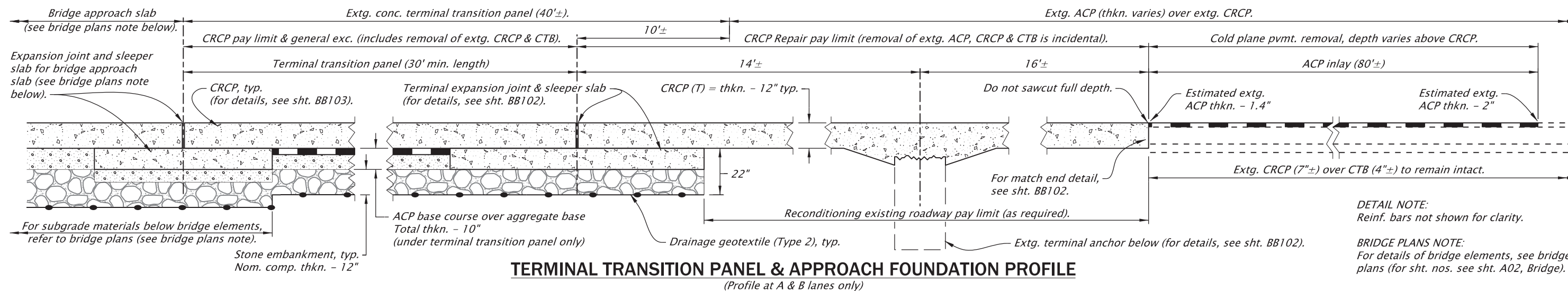


STA. "T1"	80+99 TO	STA. "T1"	86+87
"T2"	81+22 TO	"T2"	86+90
"T3"	131+97 TO	"T3"	139+04
"T4"	154+68 TO	"T4"	159+31

- TYPICAL SECTION NOTES:**
1. Side-slopes ratios are shown as vert. to horiz (V:H).
 2. Grind and inlay existing shoulders (incl. rumble strips) at crossover connections prior to staging traffic across the area.
 3. For milled edge with vertical face details, see dwn no. RD610
 4. For crossover temporary striping, see Traffic Control shts.
 5. Existing cement treated base (C.T.B.) extends approximately 2' beyond extg. conc. pvmt.
 6. For method matching extg. ACP inlay surfacing and for ACP see dwg. no. RD610.



OREGON DEPARTMENT OF TRANSPORTATION	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Lindsey M. McCullough CADD Tech: Stephen G. Winburn	Reviewer: Mark J. Kightlinger Checker: Mark J. Kightlinger
TYPICAL SECTIONS	SHEET NO. BA03



REGISTERED PROFESSIONAL ENGINEER
97542PE
Digitally Signed 2026.03.17 07:10:05 -07'00'
OREGON
JULY 13, 2021
LINDSEY M. MCCULLOUGH

RENEWS: 12-31-2026

OREGON DEPARTMENT OF TRANSPORTATION

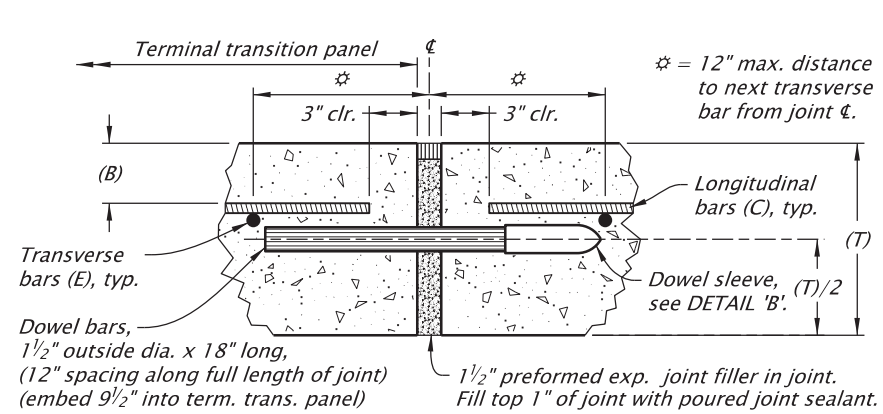
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT
OLD OREGON TRAIL HIGHWAY
UNION COUNTY

Designer: Lindsey M. McCullough
CADD Tech: Stephen G. Winburn

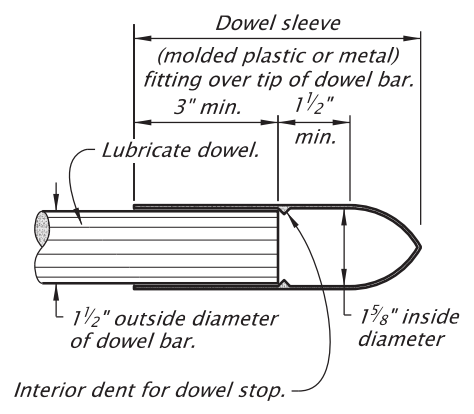
Reviewer: Mark J. Kightlinger
Checker: Mark J. Kightlinger

DETAILS

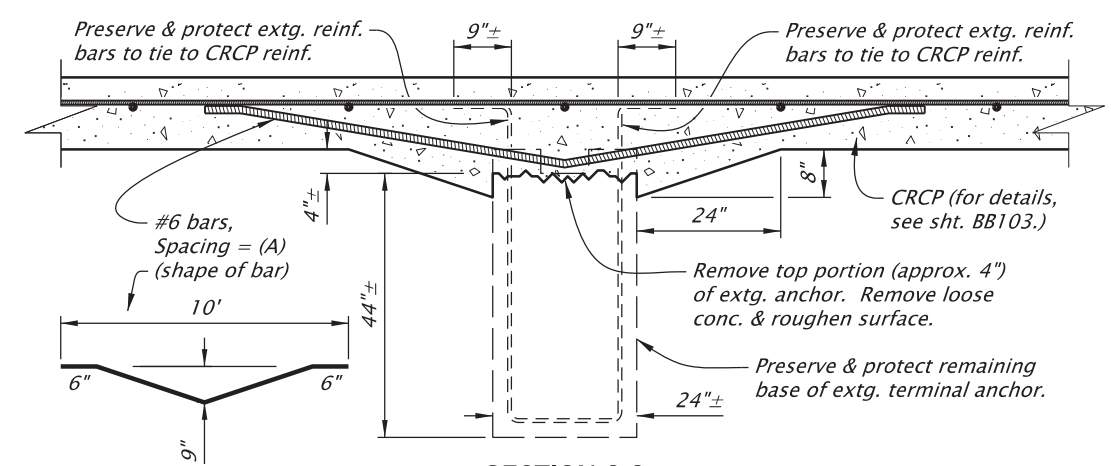
SHEET NO. BB101



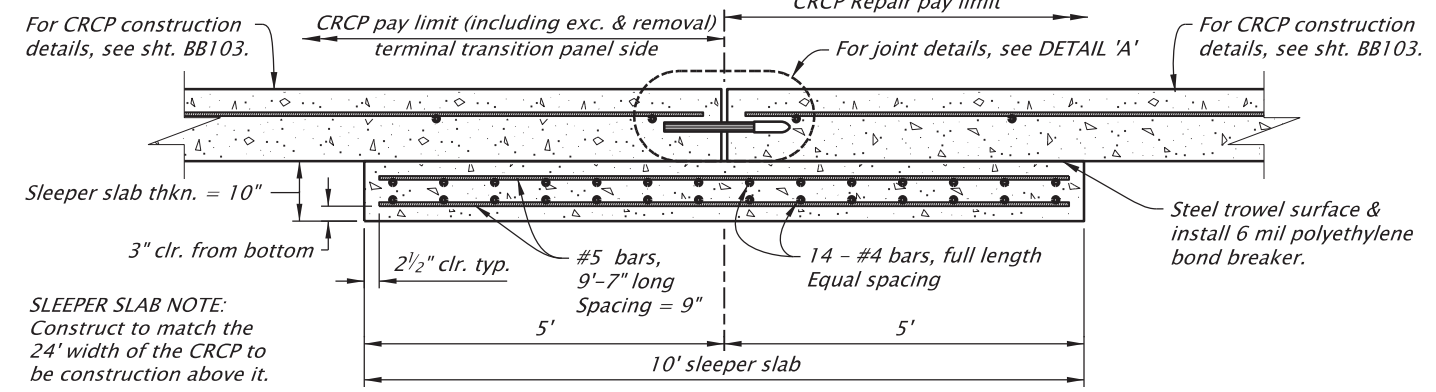
DETAIL 'A'



DETAIL 'B'

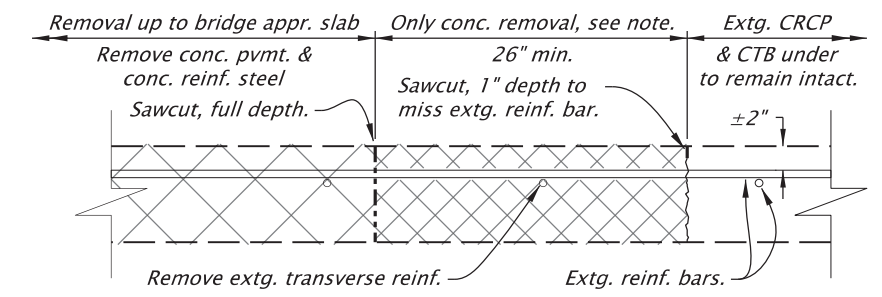


**SECTION C-C
EXTG. TERMINAL ANCHOR**
Scale: none



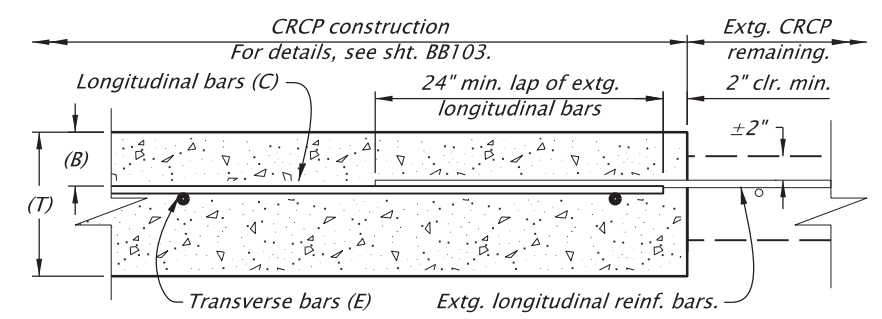
**SECTION B-B
TERMINAL EXPANSION JOINT & SLEEPER SLAB**
Scale: none

- GENERAL NOTES FOR ALL DETAILS:**
- Continuously reinforced concrete pavement is denoted as CRCP.
 - Use Class HPC 4500 - 1" or 1 1/2" concrete
 - For CRCP details and values for thickness (T), see Table #1 on sht. BB103.
 - For longitudinal bar values of spacing (A), concrete cover (B), and bar size (C), see Table #1 on sht. BB103.
 - For transverse bar values of spacing (D) & bar size (E), see Table #1 on sht. BB103.
 - Use min. Class 3300 commercial concrete for sleeper slab.

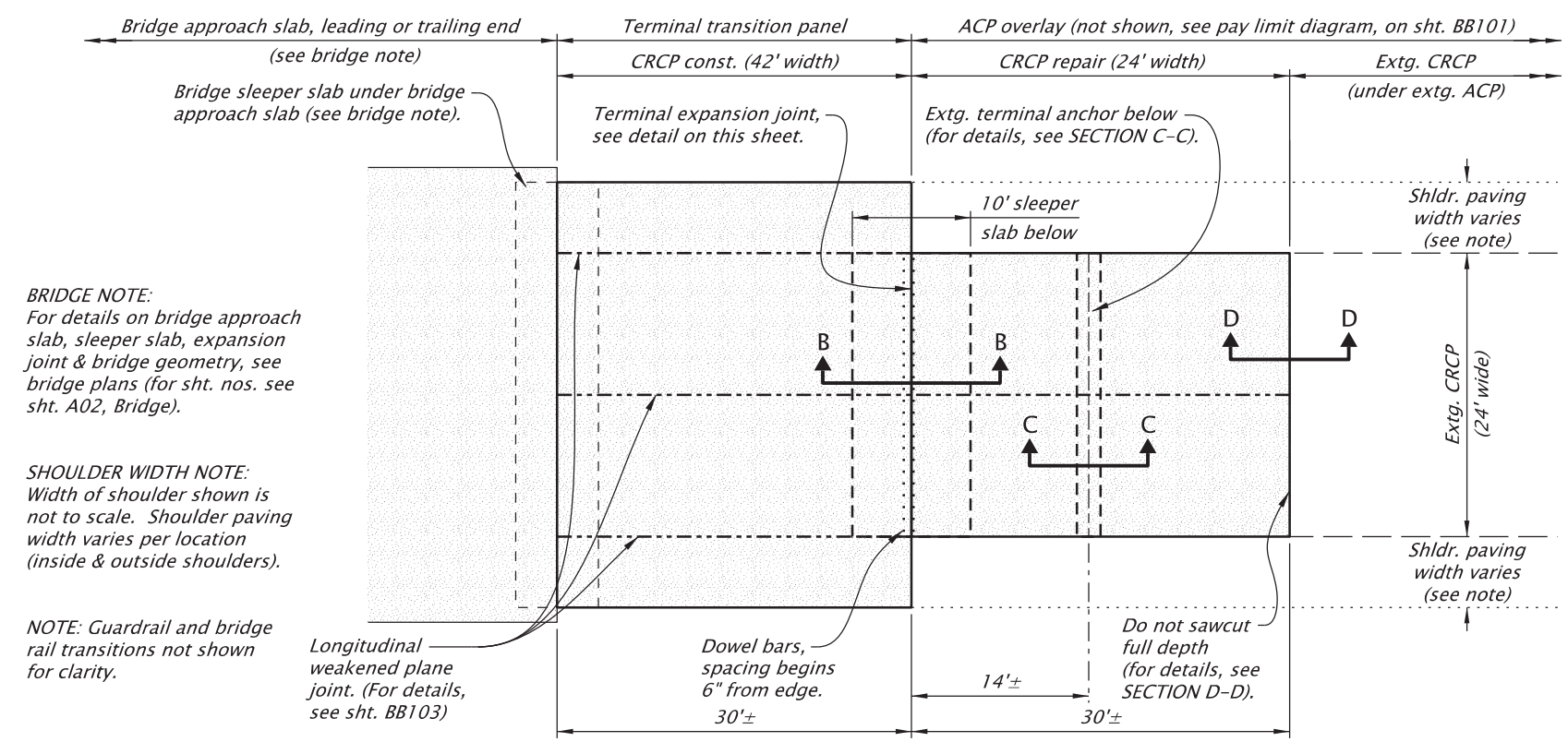


ONLY CONCRETE REMOVAL NOTE:
Remove conc. pvmt. by hand chipping or hydro-demolition or other approved method. Extg. longitudinal reinf. bars to remain for lapping.

SECTION D-D, REMOVAL



**SECTION D-D, CONSTRUCTION
MATCH END (TRANSVERSE) JOINT**
Scale: none



CRCP TERMINAL TRANSITION
Scale: none

BRIDGE NOTE:
For details on bridge approach slab, sleeper slab, expansion joint & bridge geometry, see bridge plans (for sht. nos. see sht. A02, Bridge).

SHOULDER WIDTH NOTE:
Width of shoulder shown is not to scale. Shoulder paving width varies per location (inside & outside shoulders).

NOTE: Guardrail and bridge rail transitions not shown for clarity.

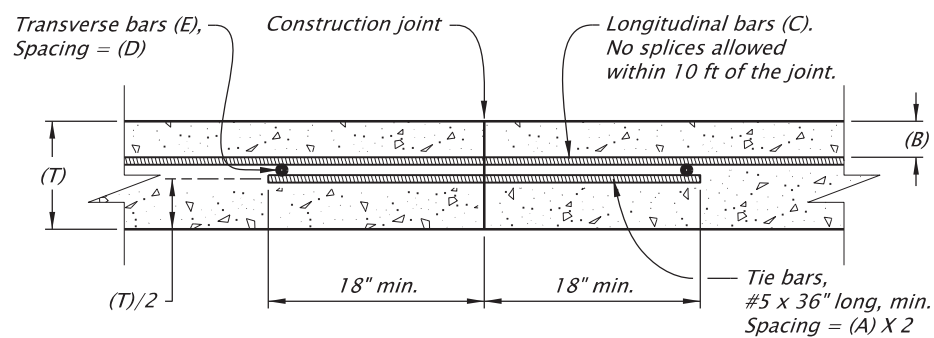
Longitudinal weakened plane joint. (For details, see sht. BB103)

Do not sawcut full depth (for details, see SECTION D-D).



RENEWS: 12-31-2026

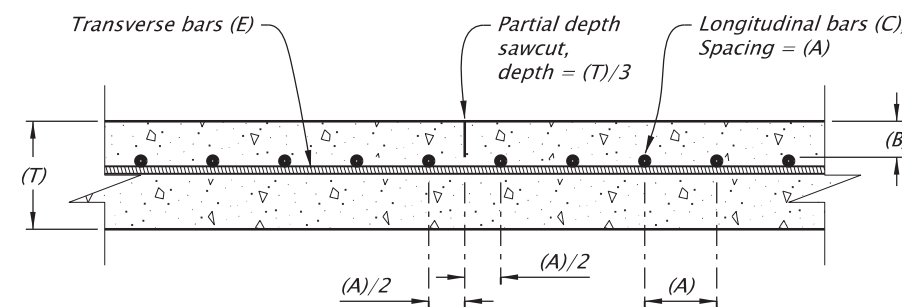
<p>OREGON DEPARTMENT OF TRANSPORTATION</p>	
<p>I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY</p>	
<p>Designer: Lindsey M. McCullough</p>	<p>Reviewer: Mark J. Kightlinger</p>
<p>CADD Tech: Stephen G. Winburn</p>	<p>Checker: Mark J. Kightlinger</p>
<p>DETAILS</p>	
<p>SHEET NO. BB102</p>	



SECTION A-A

TRANSVERSE CONSTRUCTION JOINT

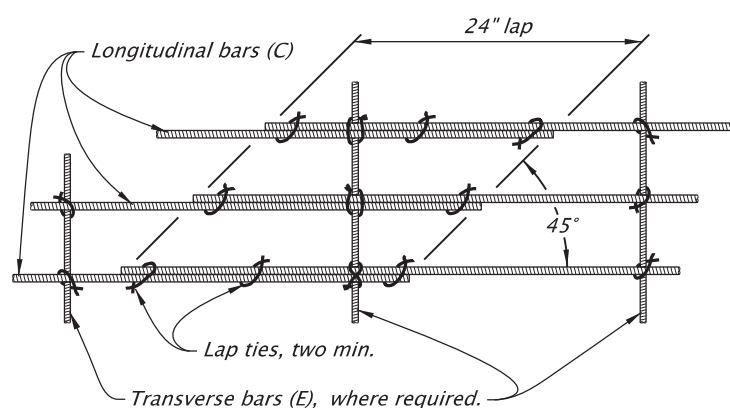
Scale: none



SECTION B-B

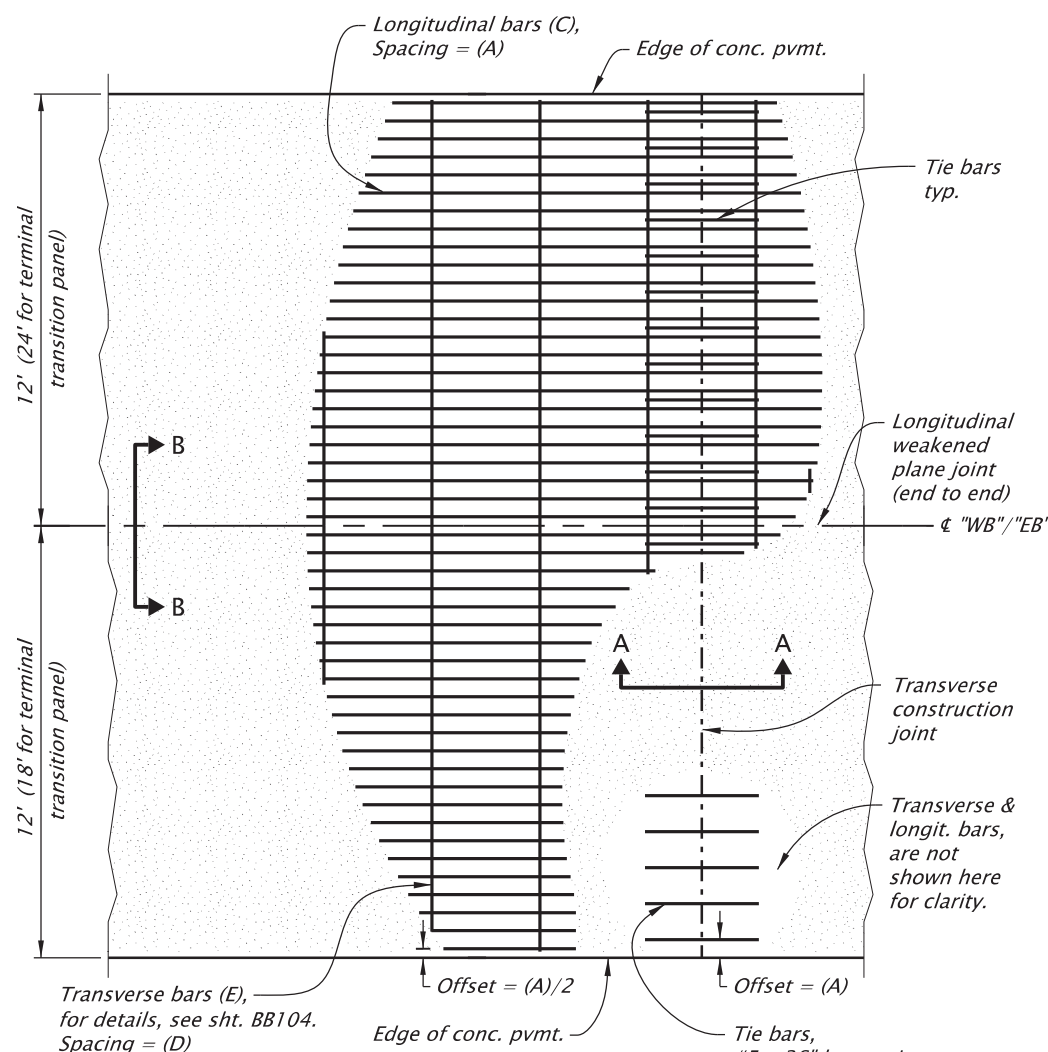
LONGITUDINAL WEAKENED PLANE JOINT

Scale: none



LONGITUDINAL BAR STAGGERED LAPPING

Scale: none



CRCP - TYPICAL LAYOUT

Scale: none

NOTE: Detail shown without concrete portions for reinf. visibility. For additional longitudinal weakened plane joint locations see CRCP Terminal Transition detail on sht. BB102.

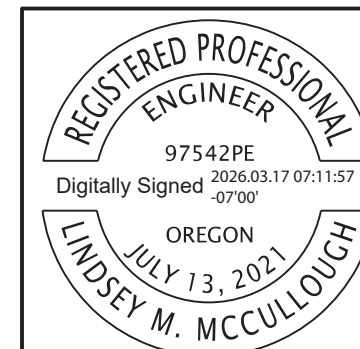
CONCRETE & REINFORCING STEEL DETAILS

Table #1

(A) =	6.25 in.	Longitudinal reinforcing bar max. spacing
(B) =	4.0 in.	Depth to top of longitudinal reinforcing bars
(C) =	#7	Longitudinal reinforcing bar size
(D) =	36.0 in.	Transverse reinforcing bar max. spacing
(E) =	#4	Transverse reinforcing bar size
(T) =	12.0 in.	Concrete pvmt. thickness

GENERAL NOTES FOR ALL DETAILS:

- Continuously reinforced concrete pavement is denoted as CRCP.
- Use reinforcing steel conforming to ASTM A706 or AASHTO M31 (ASTM A615) grade 60. Use full length bars as shown, and place them a minimum 2" clear of the nearest face of conc., unless shown or noted otherwise.
- Use Class HPC 4500 - 1" or 1 1/2" concrete.



RENEWS: 12-31-2026

OREGON DEPARTMENT OF TRANSPORTATION

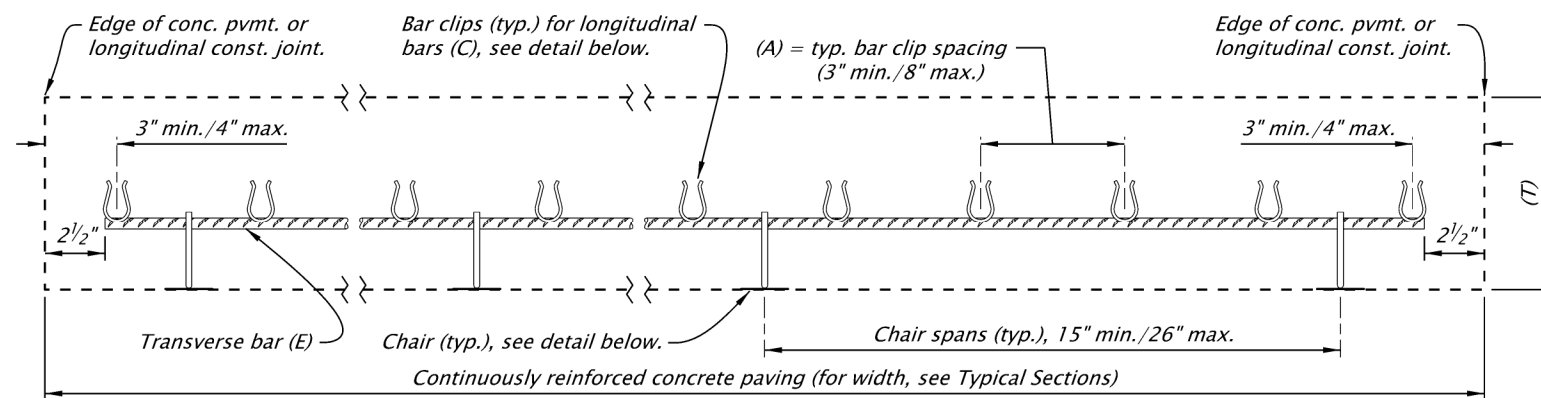


I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT
OLD OREGON TRAIL HIGHWAY
UNION COUNTY

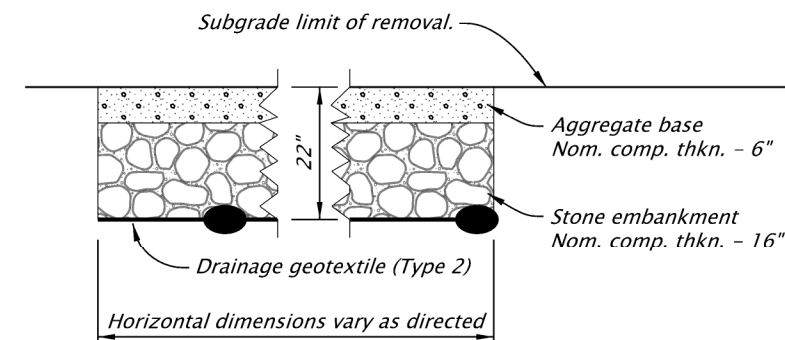
Designer: Lindsey M. McCullough
CADD Tech: Stephen G. Winburn
Reviewer: Mark J. Kightlinger
Checker: Mark J. Kightlinger

DETAILS

SHEET NO.
BB103

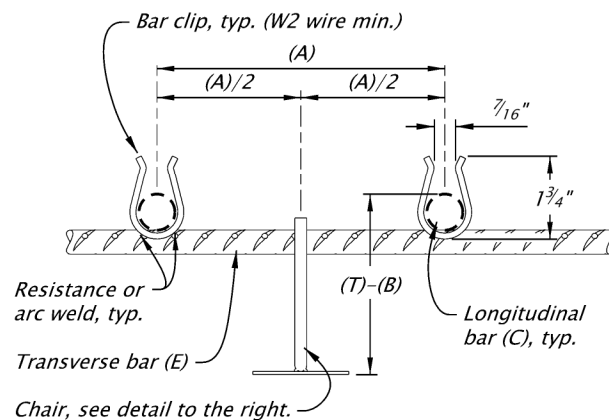


TRANSVERSE BAR ASSEMBLY

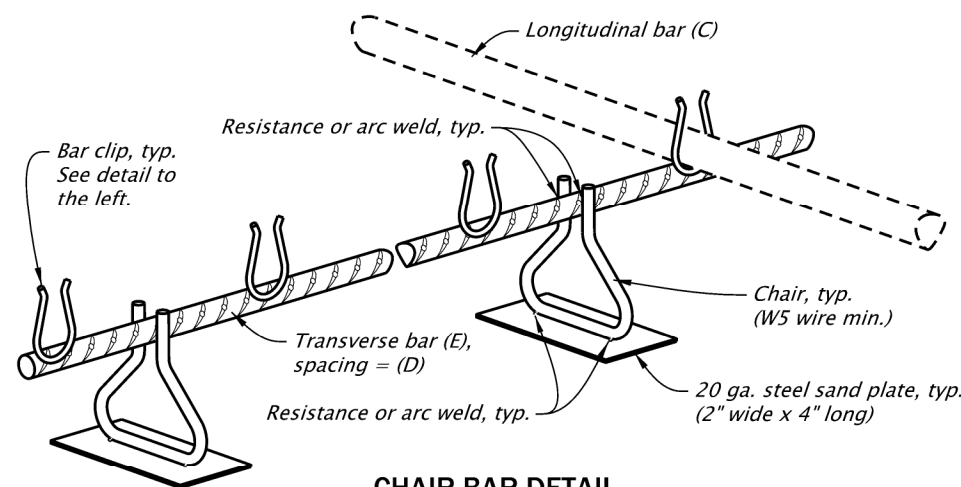


22 INCH SUBGRADE STABILIZATION

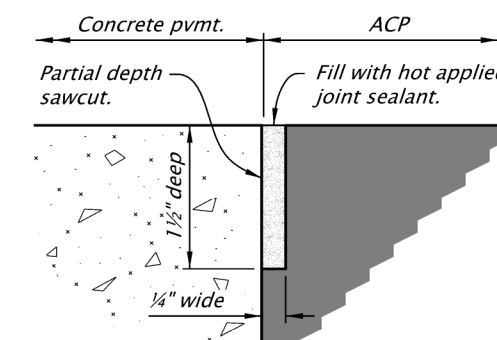
Scale: none



BAR CLIP DETAIL



CHAIR BAR DETAIL



For locations, see Sht. BB101.

SAWCUT & CRACK SEAL
To be performed before opening to traffic.

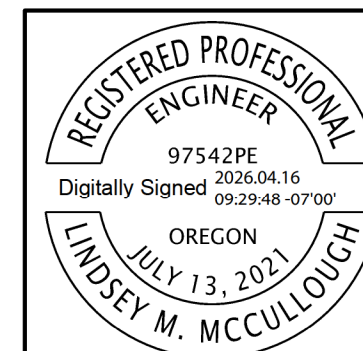
CHAIR NOTES:

1. Tensile strength of chair shall be at least 50,000 psi.
2. For CRCP details & values for thkn. (T), see Table #1 on sht. BB103.

3. For longitudinal bar values of spacing (A), concrete cover (B), and bar size (C), see Table #1 on sht. BB103.
4. For transverse bar values of spacing (D) & bar size (E), see Table #1 on sht. BB103.

CRCP REINFORCEMENT CHAIR DETAILS

Scale: none



RENEWS: 12-31-2026

OREGON DEPARTMENT OF TRANSPORTATION

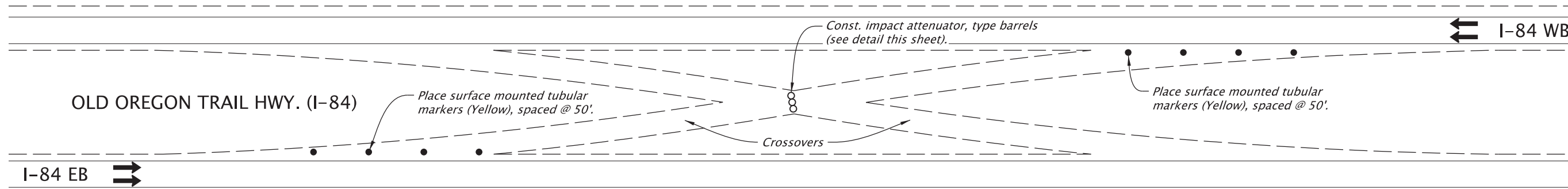


I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT
OLD OREGON TRAIL HIGHWAY
UNION COUNTY

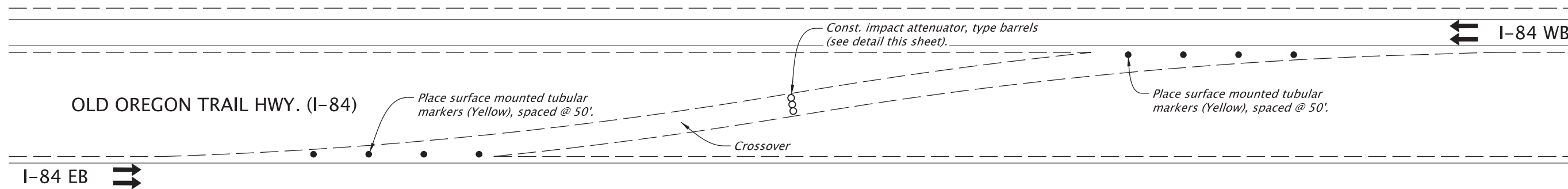
Designer: Lindsey M. McCullough
CADD Tech: Stephen G. Winburn
Reviewer: Mark J. Kightlinger
Checker: Mark J. Kightlinger

DETAILS

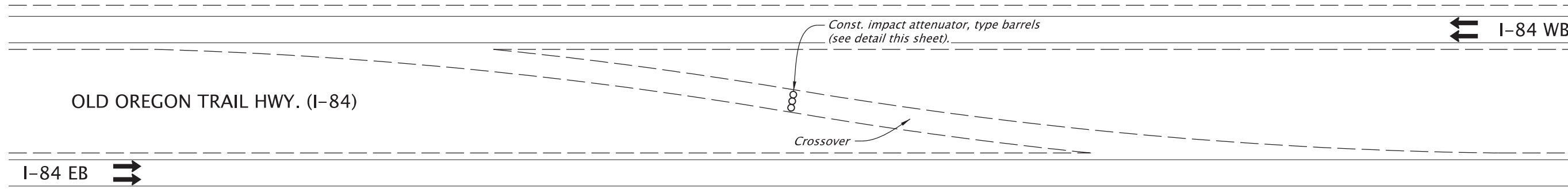
SHEET NO.
BB104



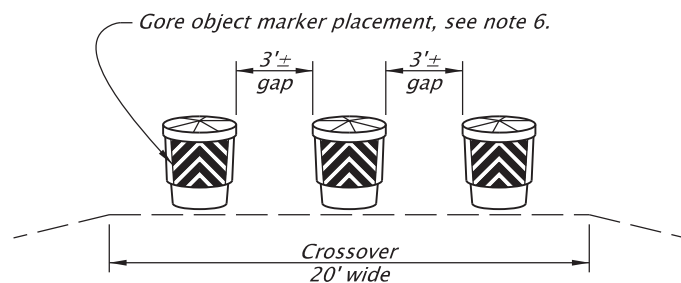
LAYOUT TYPE 1
Scale: 1"=100'



LAYOUT TYPE 2
Scale: 1"=100'



LAYOUT TYPE 3
Scale: 1"=100'

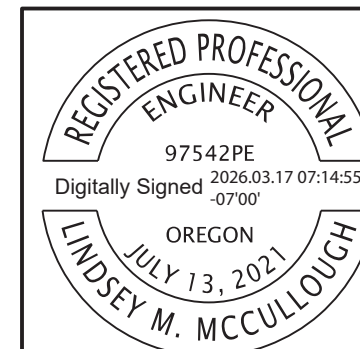


IMPACT ATTENUATOR LAYOUT

Complete the following items when Traffic Control Stage II is complete:

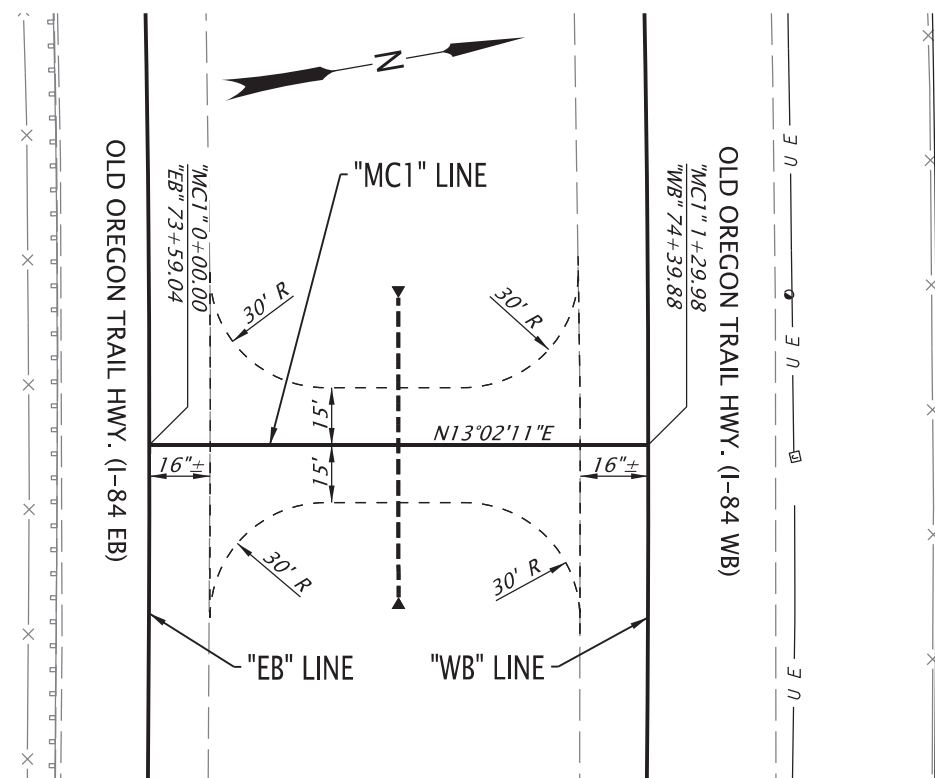
1. Remove temporary pvmt. markings & delineators from the crossover.
2. Fog coat the asphalt wearing surface of the crossover.
3. Place surface mounted tubular markers offset 10' from yellow fog lines, across the entrance of each crossover (as shown above).
4. Use Impact attenuator (barrels), TL3 on the QPL (install at locations as shown above).
5. The object markers (on impact attenuator barrels), shall be 1/16" thick aluminum sheeting approx. 24" wide & 30" tall, and covered with yellow encapsulated lens sheeting. Black stripes 5" wide shall be silk-screened on the sheeting at a 45° slope and with 4" space between stripes. Object markers shall be placed on opposite sides of each barrel (two per barrel).
6. Place 400 lbs of sand in each barrel. Mix sand with 5% rock salt by weight to prevent freezing.

CROSSOVER CLOSURE



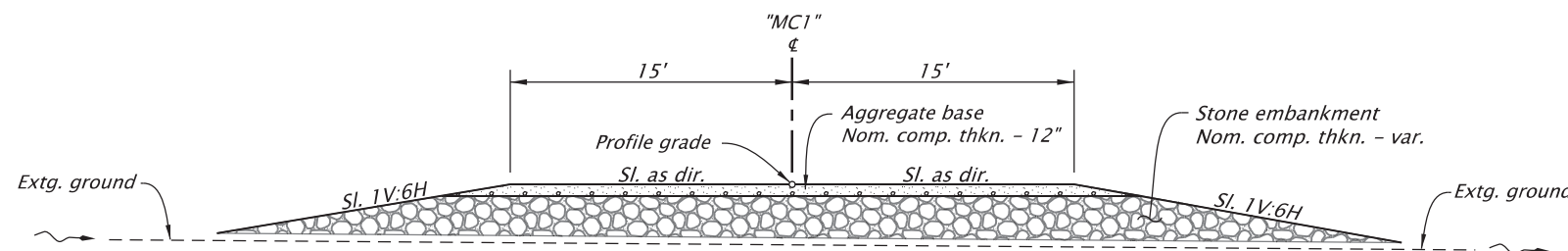
RENEWS: 12-31-2026

OREGON DEPARTMENT OF TRANSPORTATION	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Lindsey M. McCullough CADD Tech: Stephen G. Winburn	Reviewer: Mark J. Kightlinger Checker: Mark J. Kightlinger
DETAILS	
SHEET NO. BB201	



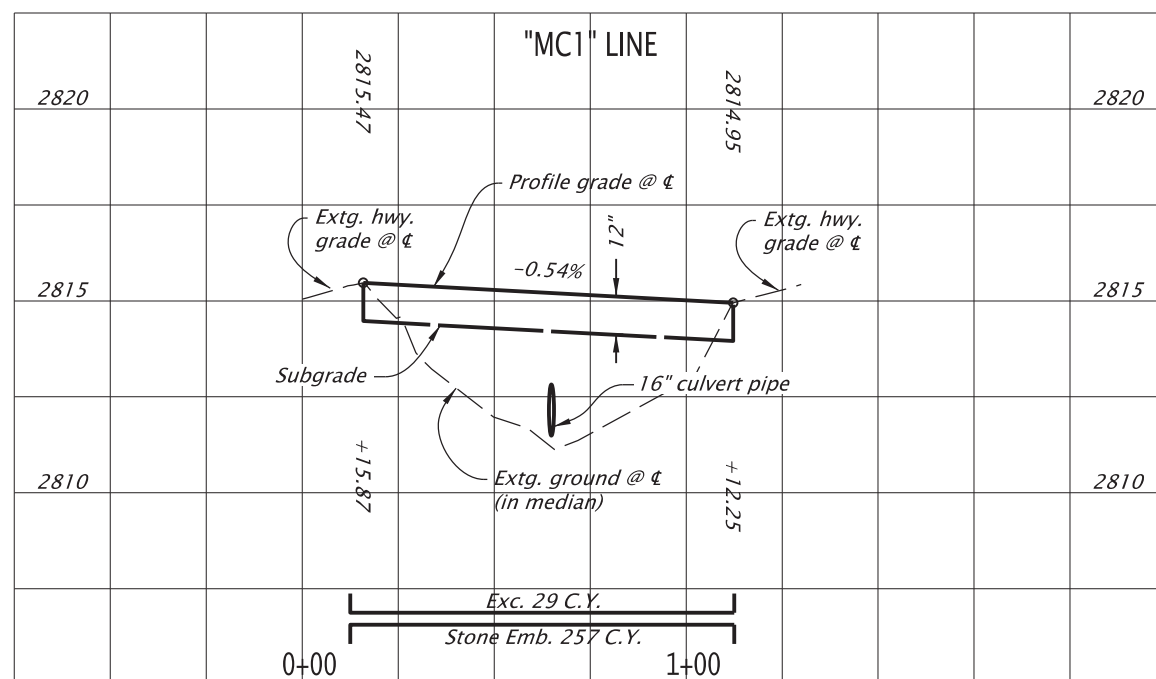
FREEWAY MEDIAN CROSSOVER - PLAN VIEW

Scale: 1" = 50'



**STA. "MC1" 0+16 To STA. "MC1" 1+12
FREEWAY MEDIAN CROSSOVER - SECTION**

Scale: 1" = 50'

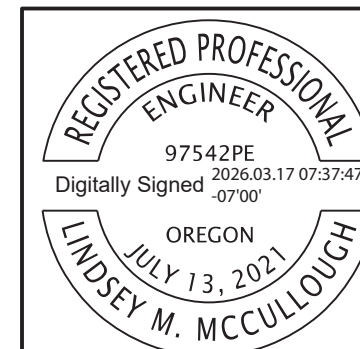


FREEWAY MEDIAN CROSSOVER - PROFILE

Horiz. Scale: 1" = 50'
Vert. Scale: 1" = 5'

DETAIL NOTES:

1. Install Type 1 delineators according to Freeway Median Crossover detail on TMS77. For details not shown, see TMS70 & TMS71. Adjust spacing of Type 1 delineators as necessary to avoid permanent crossover "T2".



RENEWS: 12-31-2026

OREGON DEPARTMENT OF TRANSPORTATION



**I-84: BRIDGES OVER NORTH SPRUCE STREET
(LA GRANDE) PROJECT**
OLD OREGON TRAIL HIGHWAY
UNION COUNTY

Designer: Lindsey M. McCullough Reviewer: Mark J. Kightlinger
CADD Tech: Stephen G. Winburn Checker: Mark J. Kightlinger

DETAILS

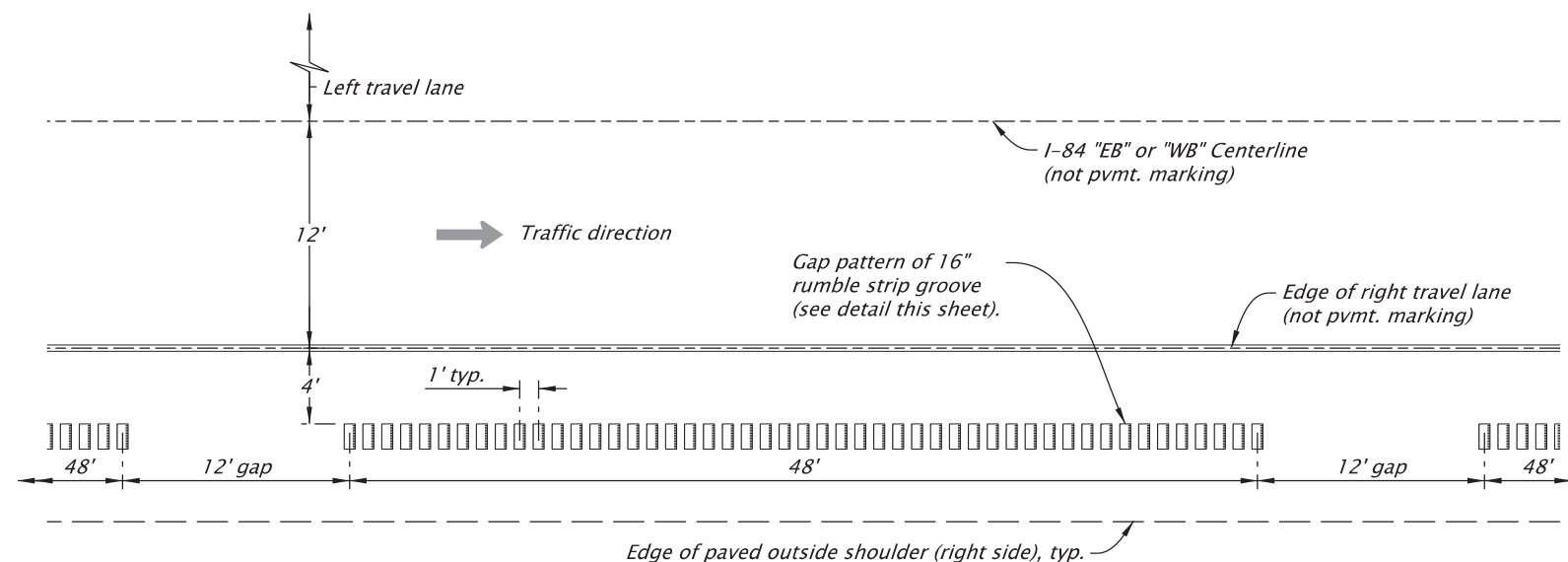
SHEET NO.
BB202

RUMBLE STRIP RECONSTRUCTION TABLE

Table No.2

OUTSIDE SHOULDER (GAP PATTERN RUMBLE STRIPS) (Sta. to Sta. ✽)	
EASTBOUND	WESTBOUND
"EB" 83+29 to "EB" 91+67	"WB" 83+29 to "WB" 92+87
"EB" 95+50 to "EB" 124+93	"WB" 96+69 to "WB" 124+60
"EB" 129+57 to "EB" 164+10	"WB" 129+25 to "WB" 164+10

✽ Approx. stations. Field verify and adjust as directed by the Engineer. For details, see Existing Rumble Strip Removal detail on this sheet.

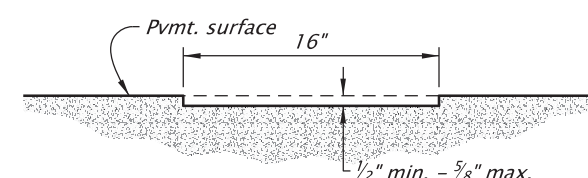
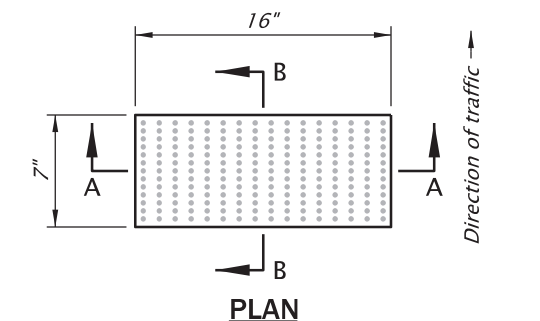


SHOULDER RUMBLE STRIP INSTALLATION NOTES:

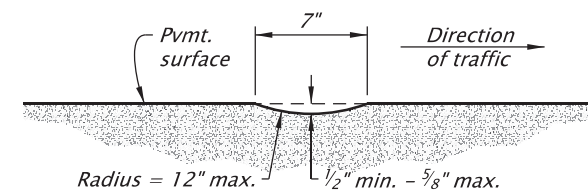
1. Install rumble strips on roadway shoulders as shown.
2. Omit installation of rumble strips:
 - on bridge decks
 - at crossovers as shown
 - on Portland cement concrete (PCC) surfaces
 - other locations as directed

SHOULDER RUMBLE STRIP PATTERNS & TYPICAL INSTALLATION

Scale: 1"=10'



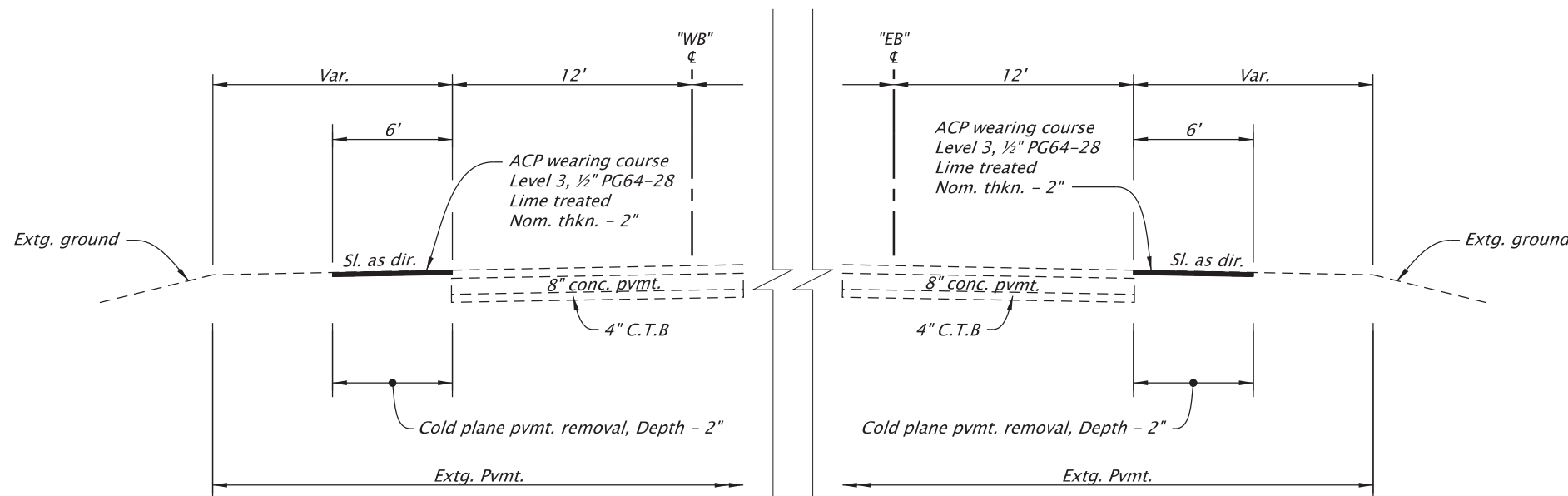
SECTION A-A



SECTION B-B

16" RUMBLE STRIP GROOVE

Scale: 1"=1'-0"



STA. "WB" 83+29 To STA. "WB" 92+87
 "WB" 96+69 To "WB" 124+50
 "WB" 129+35 To "WB" 161+10

STA. "EB" 83+29 To STA. "EB" 91+67
 "EB" 95+50 To "EB" 124+83
 "EB" 129+67 To "EB" 161+10

RUMBLE STRIP REMOVAL & SHOULDER PAVING

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

- Notes:
1. Complete rumble strip removal and shoulder paving before Traffic Control Plan, Stage I.
 2. Install new rumble strips after Traffic Control Plan, Stage II is complete.



RENEWS: 12-31-2026

OREGON DEPARTMENT OF TRANSPORTATION



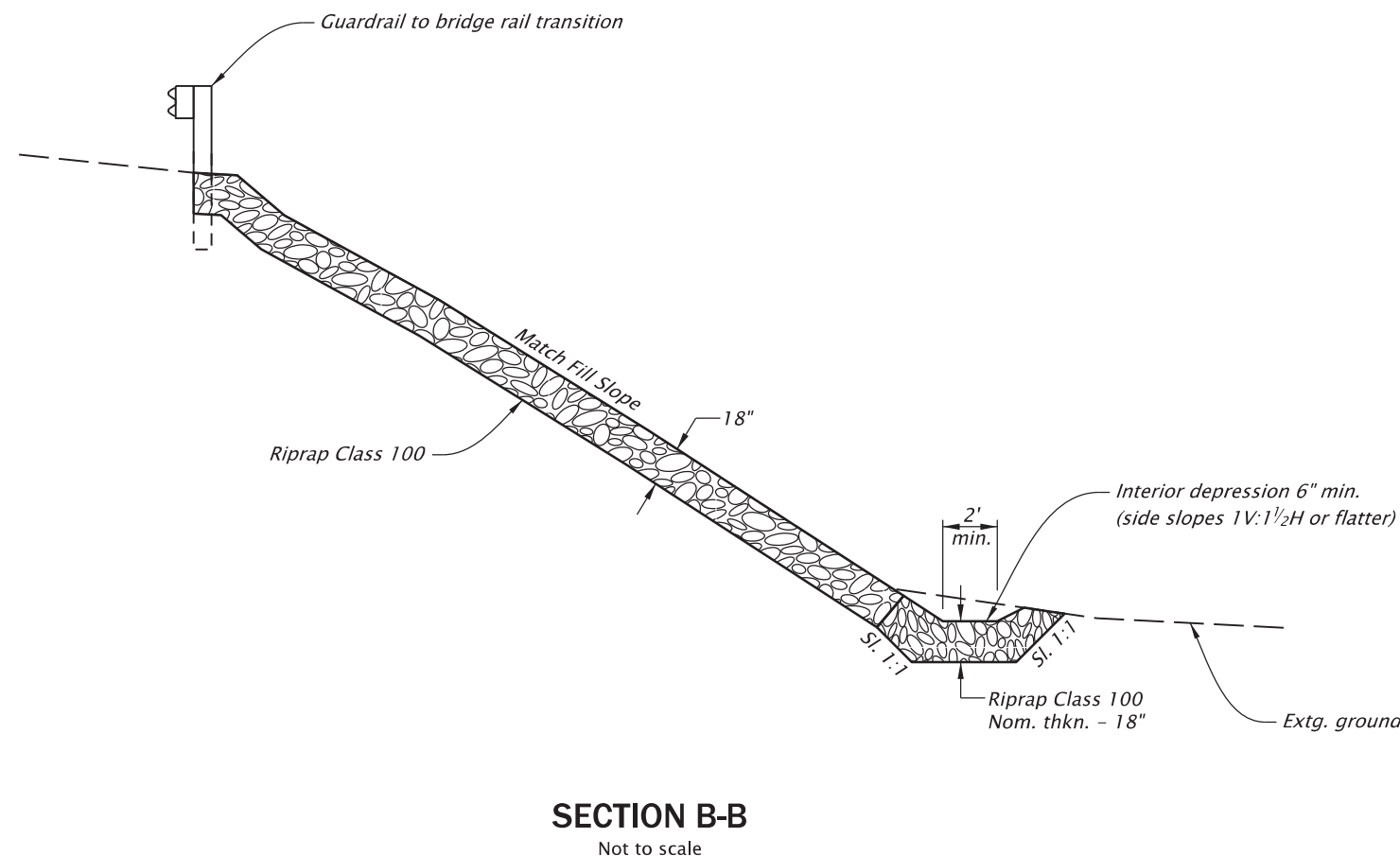
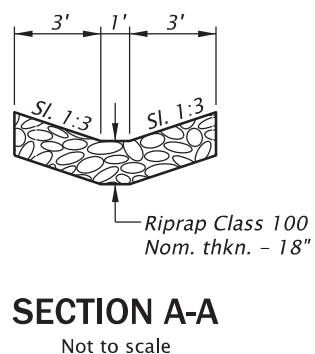
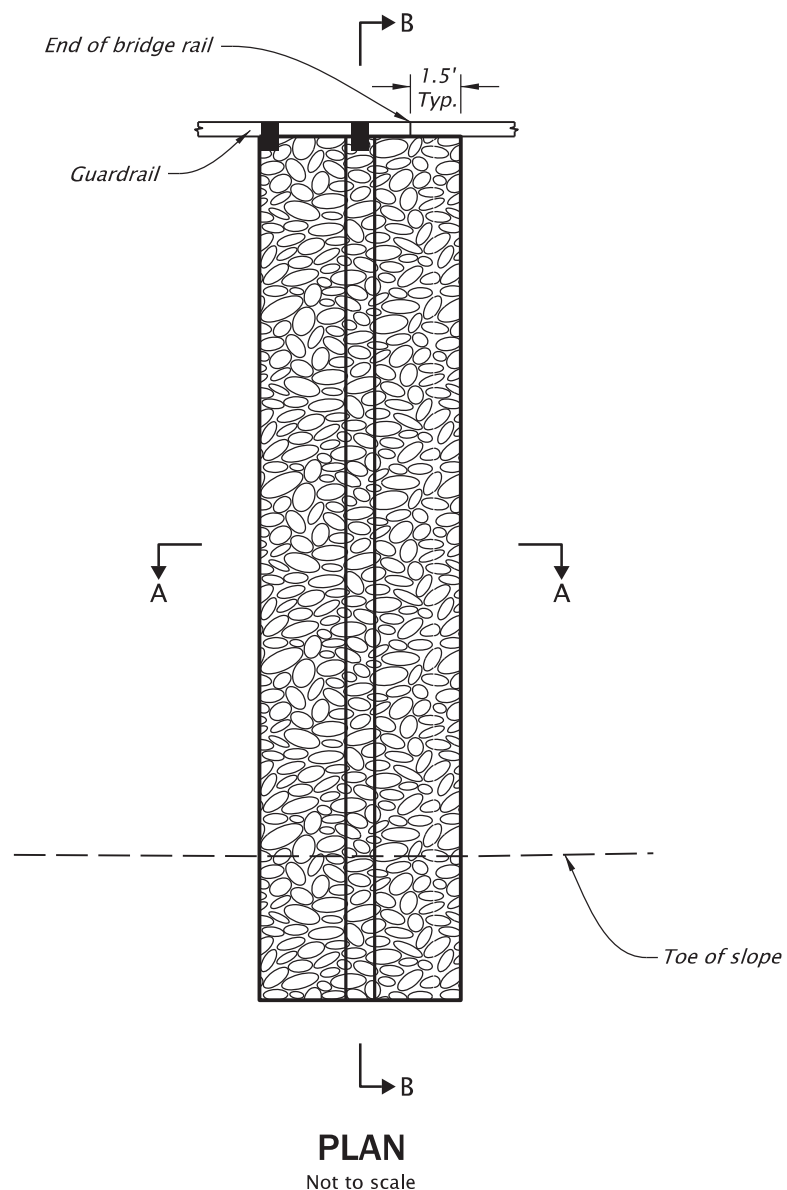
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT
 OLD OREGON TRAIL HIGHWAY
 UNION COUNTY

Designer: Lindsey M. McCullough Reviewer: Mark J. Kightlinger
 CADD Tech: Stephen G. Winburn Checker: Mark J. Kightlinger

DETAILS

SHEET NO.
BB203

RIPRAP LINED SLOPE DRAIN

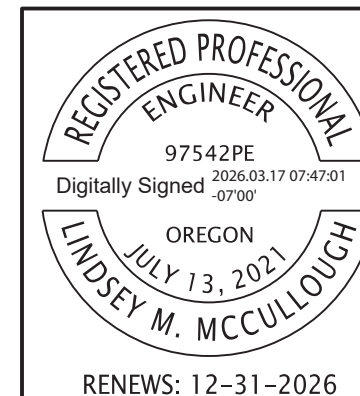


**RIPRAP LINE SLOPE DRAIN
LOCATION & QUANTITY TABLE**

Table No.3

LOCATION (STA)	RIPRAP CLASS 100 (CUYD)
"WB" 125+89, Lt.	26 CUYD
"EB" 126+21, Rt.	29 CUYD
"WB" 126+86 Lt.	27 CUYD
"EB" 128+29, Rt.	28 CUYD

Notes:
1. Locations and estimated riprap quantities are approximate shall be field verified.

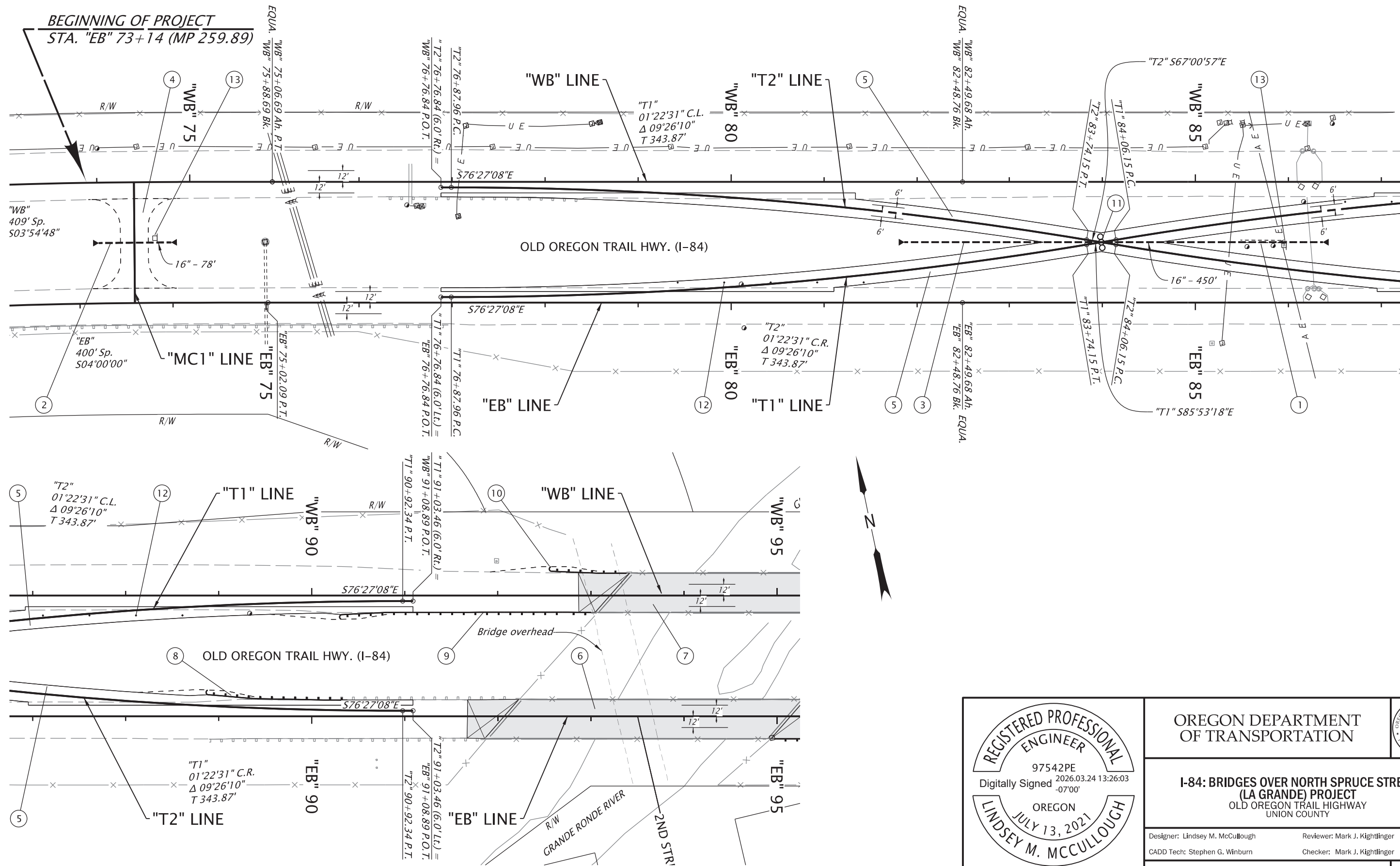


OREGON DEPARTMENT OF TRANSPORTATION		
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY		
Designer: Lindsey M. McCullough CADD Tech: Stephen G. Winburn	Reviewer: Mark J. Kightlinger Checker: Mark J. Kightlinger	SHEET NO. BB204
DETAILS		

RENEWS: 12-31-2026

FINAL ELECTRONIC DOCUMENT
AVAILABLE UPON REQUEST

Sec. 31, T. 2 S., R. 38 E., W.M.
CITY OF LA GRANDE





OREGON DEPARTMENT OF TRANSPORTATION	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Lindsey M. McCullough CADD Tech: Stephen G. Winburn	Reviewer: Mark J. Kightlinger Checker: Mark J. Kightlinger
GENERAL CONSTRUCTION	SHEET NO. C01

RENEWS: 12-31-2026

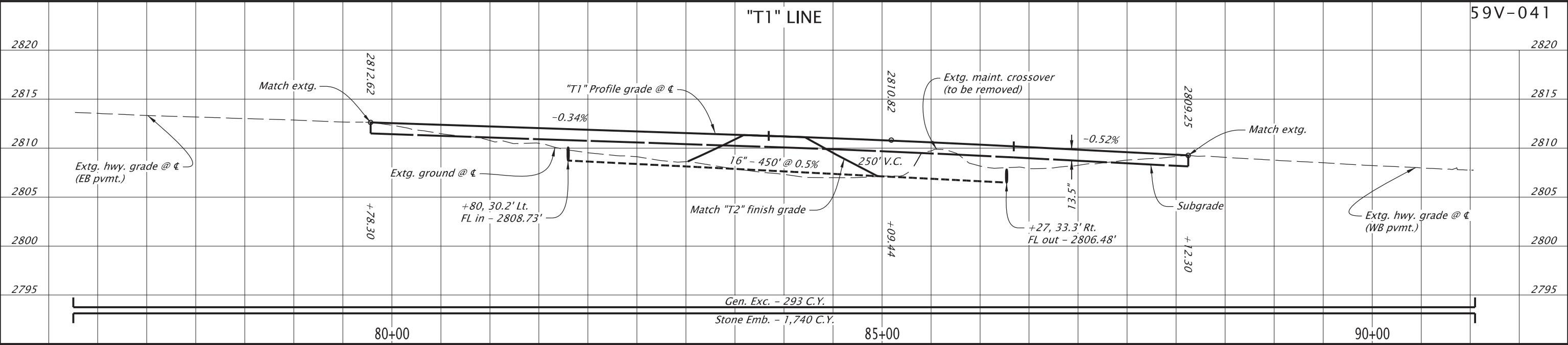
FINAL ELECTRONIC DOCUMENT
AVAILABLE UPON REQUEST

CONSTRUCTION NOTES

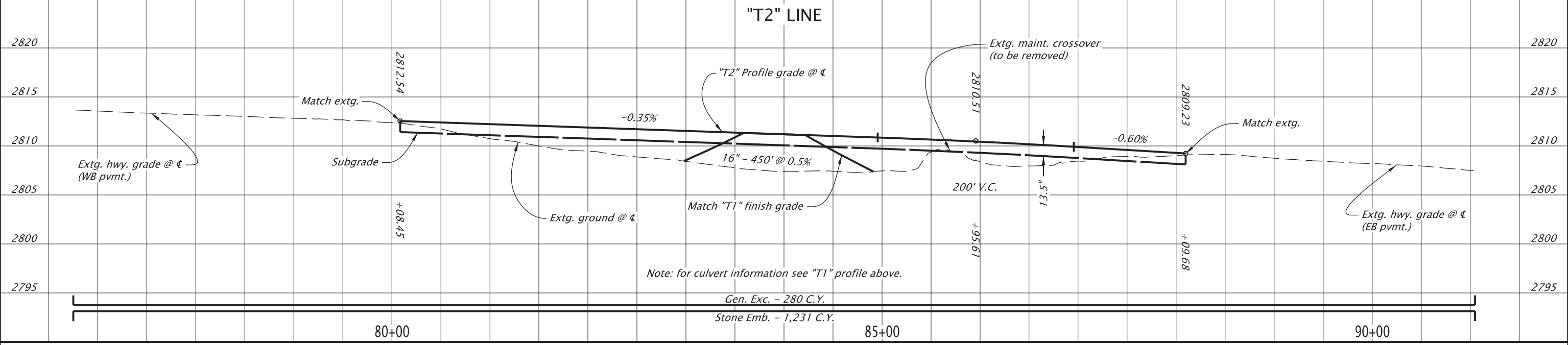
- ① Sta. "EB" 85+60, 66' Lt.
6" culv. pipe = 44' (in pl.)
Remove pipe - 44'
- ② Sta. "MC1" 0+65
Inst. 16" culv. pipe - 78'
5' depth, sl. 0.6%
FL in - 2811.71'
FL out - 2811.24'
Const. paved end slope, Lt. & Rt.
(See dwg. nos. RD300, RD319, RD320 & RD388)
- ③ Sta. "T1" 83+90
Inst. 16" culv. pipe - 450'
5' depth, sl. 0.5%
FL in - 2808.73'
FL out - 2806.48'
Const. paved end slope, Lt. & Rt.
- ④ Const. freeway median crossover
(For details, see sht. BB202)
- ⑤ Const. crossover - 2
- ⑥ Structure no. 09630A
Misc. bridge work
(For sht. nos., see sht. A02, Bridge)
- ⑦ Structure no. 09630
Misc bridge work
(For sht. nos., see sht. A02, Bridge)
- ⑧ Sta. "EB" 88+87 to Sta. "EB" 90+38, Lt.
Remove extg. guardrail - 112.5'
Const. Midwest Guardrail System - 75' (Type 2A)
Const. guardrail height conversion
Const. guardrail terminal, non-flared
W=2', E=2'
Test level 3
(See dwg. nos. RD402, RD403, RD404, RD407, RD416, RD419, RD420, RD442A, RD451 & RD481)
- ⑨ Sta. "WB" 90+30 to Sta. "WB" 93+00, Rt.
Const. Midwest Guardrail System - 187.5' (Type 2A)
Const. Midwest Guardrail System - 12.5' (Type 3)
Const. guardrail terminal, non-flared
W=2', E=2'
Test level 3
Const. guardrail transition
(See dwg. nos. RD410, RD482 & BR203)
- ⑩ Sta. "WB" 92+55 to Sta. "WB" 93+38, Lt.
Const. Midwest Guardrail System - 12.5' (Type 3)
Const. guardrail terminal, non-flared
W=2', E=2'
Test level 3
Const. guardrail to bridge transition
- ⑪ Const. impact attenuator, type barrels
(For details, see sht. BB201)
- ⑫ Inst. permanent surface mounted tubular markers
Spaced @ 50' - 10
(For details, see sht. BB201)
- ⑬ Remove and save extg. "Authorized Vehicles Only" signs (R5-11) and post
Reinstall extg. "Authorized Vehicles Only" signs (R5-11) and post
(See dwg. nos. TM200, TM201, TM676, TM681 & TM687)

 <p>REGISTERED PROFESSIONAL ENGINEER 97542PE Digitally Signed 2026.04.13 16:16:39 -07'00' OREGON JULY 13, 2021 LINDSEY M. MCCULLOUGH</p> <p>RENEWS: 12-31-2026</p>	 <p>OREGON DEPARTMENT OF TRANSPORTATION</p>
	<p>I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY</p>
	Designer: Lindsey M. McCullough Reviewer: Mark J. Kightlinger CADD Tech: Stephen G. Winburn Checker: Mark J. Kightlinger
	<p>GENERAL CONSTRUCTION NOTES</p>
SHEET NO. C01A	

"T1" LINE



"T2" LINE




Note: for culvert information see "T1" profile above.

Gen. Exc. - 293 C.Y.
Stone Emb. - 1,740 C.Y.

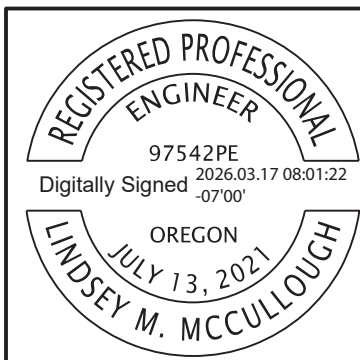
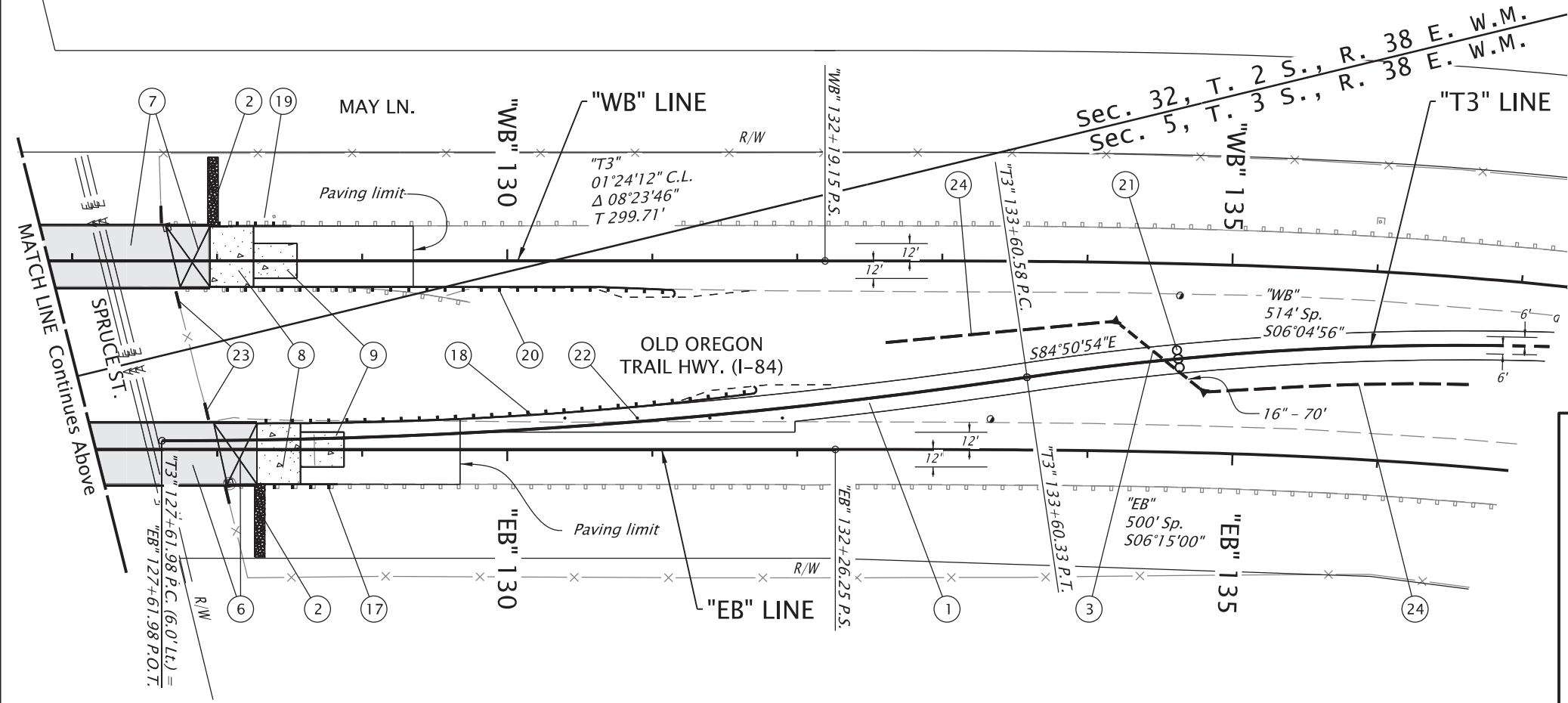
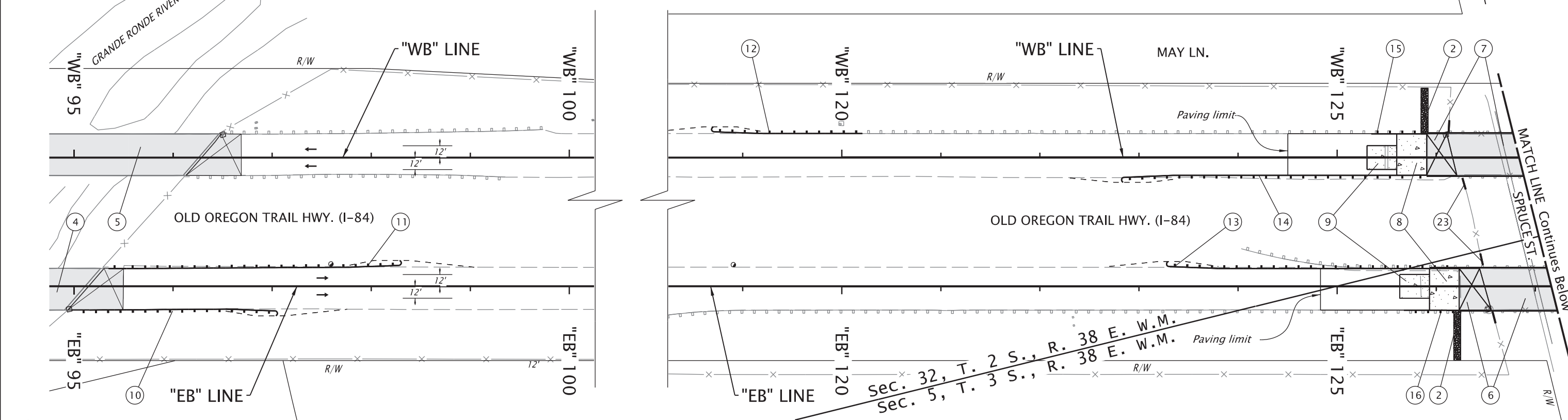
Gen. Exc. - 280 C.Y.
Stone Emb. - 1,231 C.Y.




 <p>OREGON DEPARTMENT OF TRANSPORTATION</p>	
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Designer: Lindsey M. McCullough CADD Tech: Stephen G. Winburn	Reviewer: Mark J. Kightlinger Checker: Mark J. Kightlinger
<p>PROFILES</p>	
SHEET NO. C01B	

CITY OF LA GRANDE

Sec. 31, T. 2 S., R. 38 E., W.M.



<p>OREGON DEPARTMENT OF TRANSPORTATION</p> 	
<p>I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY</p>	
<p>Designer: Lindsey M. McCullough CADD Tech: Stephen G. Winburn</p>	<p>Reviewer: Mark J. Kightlinger Checker: Mark J. Kightlinger</p>
<p>GENERAL CONSTRUCTION</p>	<p>SHEET NO. C02</p>

RENEWS: 12-31-2026

FINAL ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST

CONSTRUCTION NOTES

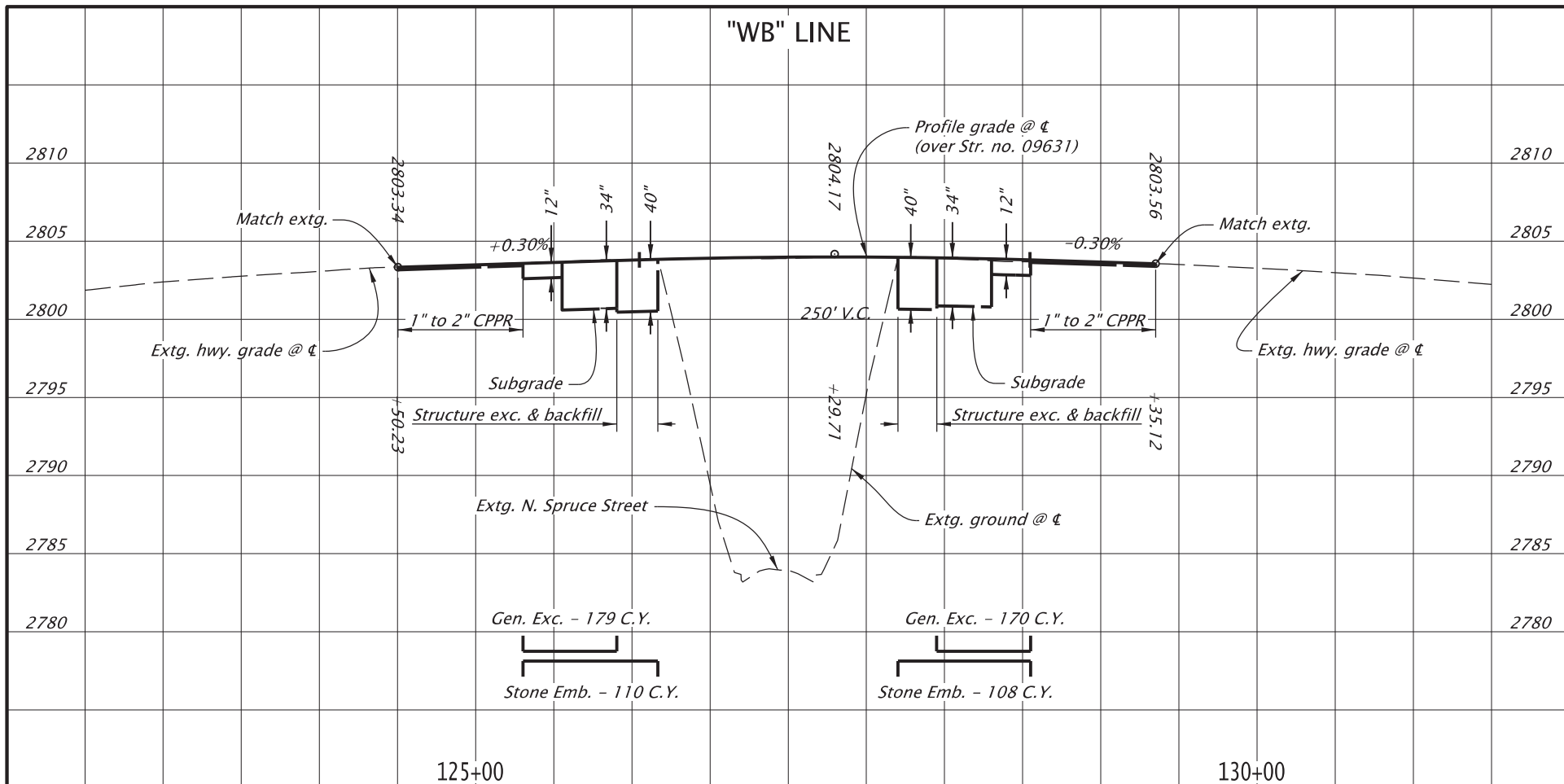
- ① Const. crossover
- ② Const. riprap lined slope drain - 4
(For details, see sht. BB204)
- ③ Sta. "T3" 134+56
Inst. 16" ductile iron pipe - 70'
5' depth, sl. 1.6%
FL in - 2794.97'
FL out - 2793.86'
Const. paved end slope, Lt. & Rt.
- ④ See sht. C01A, note 6
Structure no. 09630A
Misc. bridge work
- ⑤ See sht. C01A, note 7
Structure no. 09630
Misc. bridge work
- ⑥ Structure no. 09631A
Misc. bridge work
(For sht. nos., see sht. A02, Bridge)
- ⑦ Structure no. 09631
Misc. bridge work
(For sht. nos., see sht. A02, Bridge)
- ⑧ Const. 12" cont. reinf. conc. pvmt.
(For details, see sht. nos. BB101-BB104)
- ⑨ Const. 12" cont. reinf. conc. pvmt. repair
(For details, see sht. nos. BB101-BB104)
- ⑩ Sta. "EB" 94+97 to Sta. "EB" 97+05, Rt.
Const. Midwest Guardrail System - 137.5' (Type 2A)
Const. Midwest Guardrail System - 12.5' (Type 3)
Const. guardrail terminal, non-flared
W=2', E=2'
Test level 3
Const. guardrail transition
- ⑪ Sta. "EB" 95+35 to Sta. "EB" 98+30, Lt.
Const. Midwest Guardrail System - 212.5' (Type 2A)
Const. Midwest Guardrail System - 12.5' (Type 3)
Const. guardrail terminal, non-flared
W=2', E=2'
Test level 3
Const. guardrail transition
- ⑫ Sta. "WB" 118+69 to Sta. "WB" 120+21, Lt.
Remove extg. guardrail - 37.5'
Const. Midwest Guardrail System - 75' (Type 2A)
Const. guardrail height conversion
Const. guardrail terminal, non-flared
W=2', E=2'
Test level 3
- ⑬ Sta. "EB" 123+30 to Sta. "EB" 126+23, Lt.
Remove extg. guardrail - 238.0'
Const. Midwest Guardrail System - 225' (Type 2A)
Const. Midwest Guardrail System - 12.5' (Type 3)
Const. guardrail terminal, non-flared
W=2', E=0'
Test level 3
Const. guardrail transition
- ⑭ Sta. "WB" 122+85 to Sta. "WB" 125+90, Rt.
Const. Midwest Guardrail System - 237.5' (Type 2A)
Const. Midwest Guardrail System - 12.5' (Type 3)
Const. guardrail terminal, non-flared
W=2', E=0'
Test level 3
Const. guardrail transition
- ⑮ Sta. "WB" 125+34 to Sta. "WB" 125+90, Lt.
Remove extg. guardrail - 75'
Const. Midwest Guardrail System - 12.5' (Type 3)
Const. guardrail height conversion
Const. guardrail transition
- ⑯ Sta. "EB" 125+67 to Sta. "EB" 126+56, Rt.
Remove extg. guardrail - 82.5'
Const. Midwest Guardrail System - 12.5' (Type 3)
Const. guardrail height conversion
Const. guardrail transition
- ⑰ Sta. "EB" 128+28 to Sta. "EB" 128+83, Rt.
Remove extg. guardrail - 75'
Const. Midwest Guardrail System - 12.5' (Type 3)
Const. guardrail height conversion
Const. guardrail transition
- ⑱ Sta. "EB" 128+28 to Sta. "EB" 131+70, Lt.
Const. Midwest Guardrail System - 275' (Type 2A)
Const. Midwest Guardrail System - 12.5' (Type 3)
Const. guardrail terminal, non-flared
W=2', E=0'
Test level 3
Const. guardrail transition
- ⑲ Sta. "WB" 127+95 to Sta. "WB" 128+51, Lt.
Remove extg. guardrail - 82.5'
Const. Midwest Guardrail System - 12.5' (Type 3)
Const. guardrail height conversion
Const. guardrail transition
- ⑳ Sta. "WB" 127+95 to Sta. "WB" 131+13, Rt.
Remove extg. guardrail - 195.0'
Const. Midwest Guardrail System - 237.5' (Type 2A)
Const. Midwest Guardrail System - 12.5' (Type 3)
Const. guardrail terminal, non-flared
W=2', E=0'
Test level 3
Const. guardrail transition
- ㉑ Const. impact attenuator, type barrels
(For details, see sht. BB201)
- ㉒ Inst. permanent surface mounted tubular markers
Spaced @ 50' - 4
(For details, see sht. BB201)
- ㉓ Remove & rebuild fence
(See dwg. no. RD810)
- ㉔ Const. ditch
1.5' flat bottom, 1:6 slopes
Dt. exc. - 140 cu.yd.



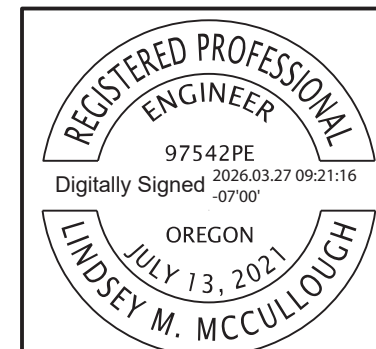
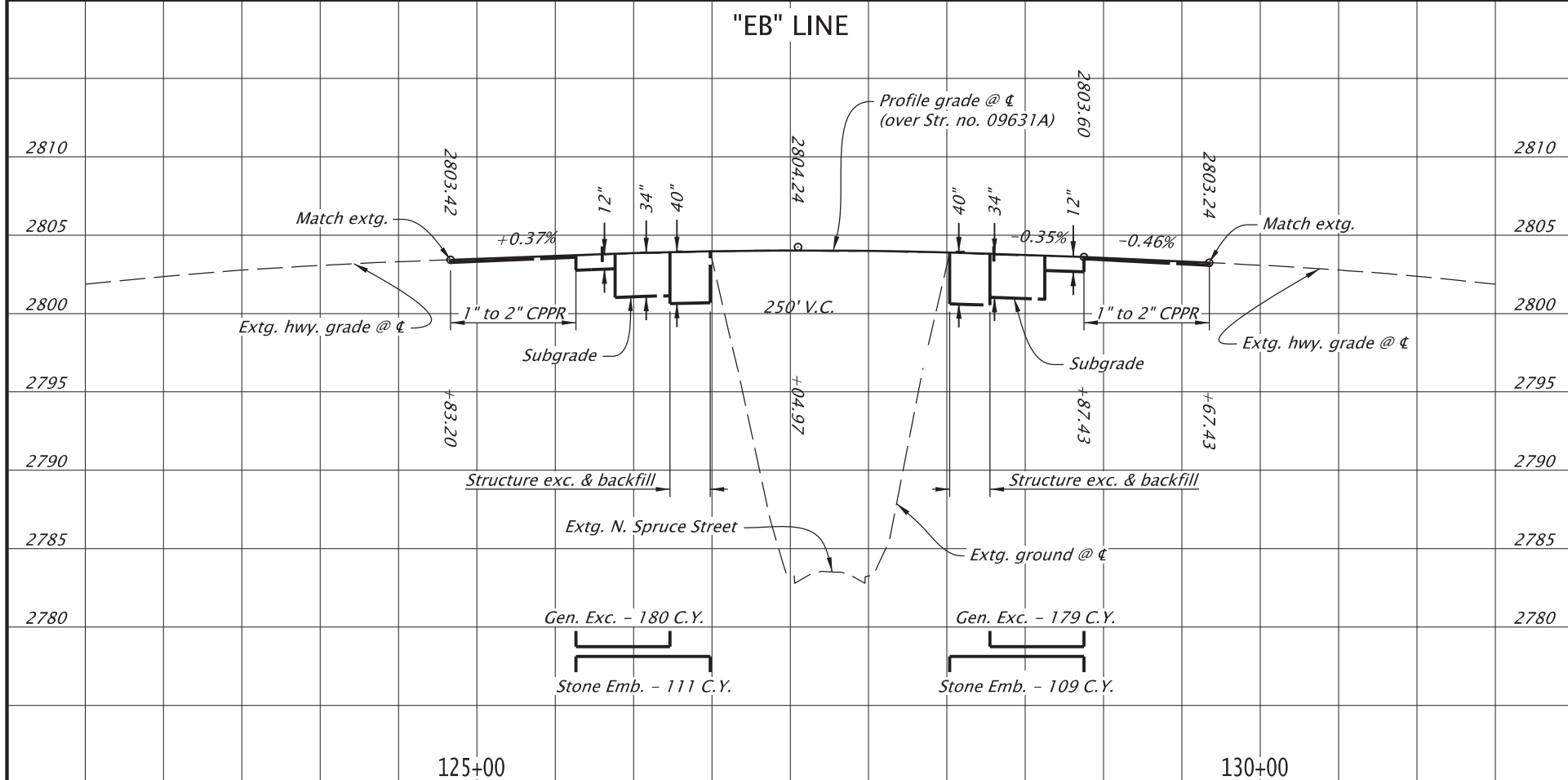
RENEWS: 12-31-2026

OREGON DEPARTMENT OF TRANSPORTATION		
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY		
Designer: Lindsey M. McCullough	Reviewer: Mark J. Kightlinger	
CADD Tech: Stephen G. Winburn	Checker: Mark J. Kightlinger	
GENERAL CONSTRUCTION NOTES		SHEET NO. CO2A

"WB" LINE



"EB" LINE



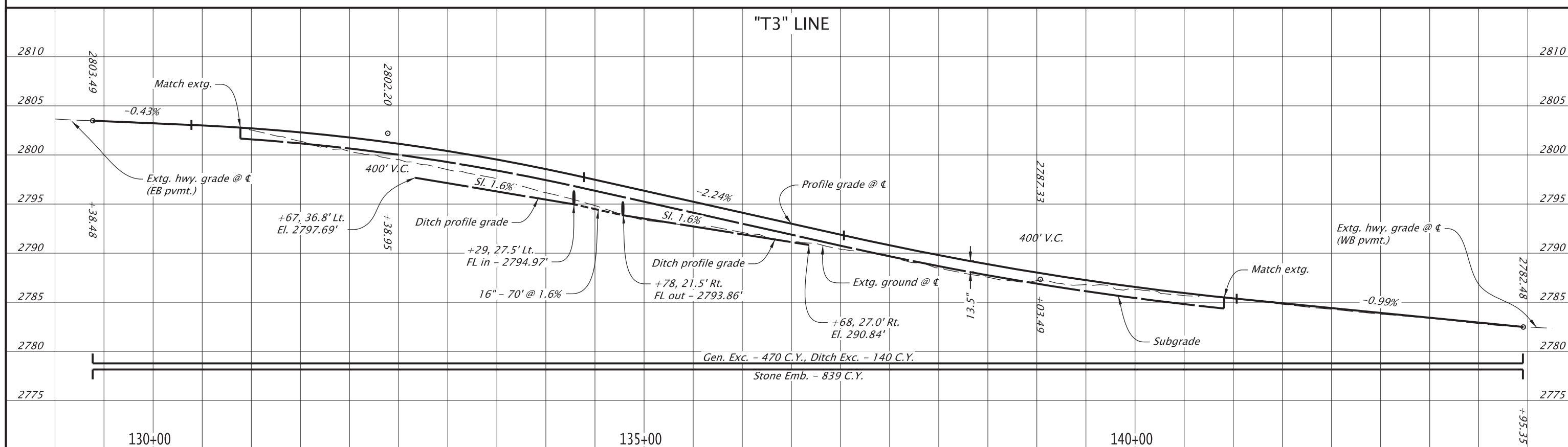
OREGON DEPARTMENT OF TRANSPORTATION		
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY		
Designer: Lindsey M. McCullough	Reviewer: Mark J. Kightlinger	
CADD Tech: Stephen G. Winburn	Checker: Mark J. Kightlinger	
PROFILES		SHEET NO. C02B

RENEWS: 12-31-2026

FINAL ELECTRONIC DOCUMENT
AVAILABLE UPON REQUEST

CONSTRUCTION NOTES

- ① See sht. C02A, note 1
Const. crossover
- ② Inst. permanent surface mounted tubular markers
Spaced @ 50' - 7
(For details, see sht. BB201)



REGISTERED PROFESSIONAL ENGINEER
 97542PE
 Digitally Signed 2026.03.17 08:14:57 -07'00'
LINDSEY M. MCCULLOUGH
 OREGON
 JULY 13, 2021
 RENEWS: 12-31-2026

OREGON DEPARTMENT OF TRANSPORTATION

I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT
 OLD OREGON TRAIL HIGHWAY
 UNION COUNTY

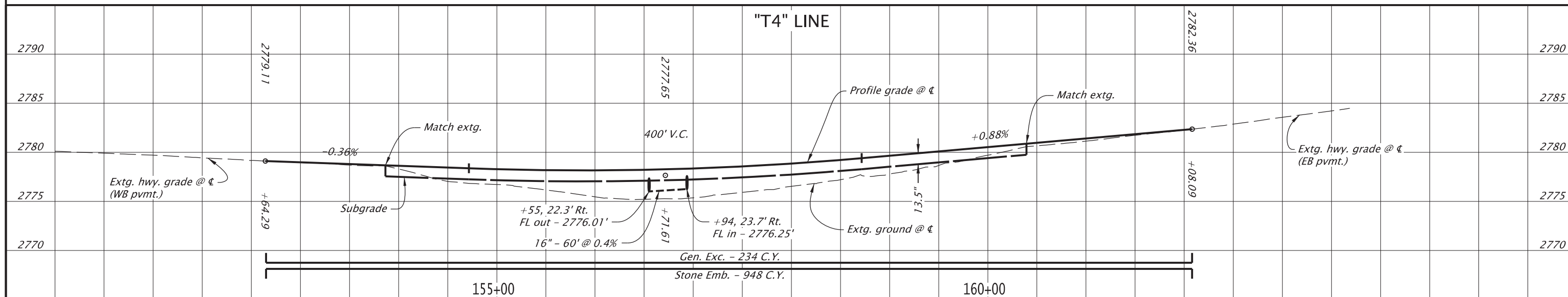
Designer: Lindsey M. McCullough Reviewer: Mark J. Kightlinger
 CADD Tech: Stephen G. Winburn Checker: Mark J. Kightlinger

CONSTRUCTION NOTES & PROFILES

SHEET NO.
 C03A

CONSTRUCTION NOTES

- ① Const. crossover
- ② Sta. "T4" 156+74
Inst. 16" ductile iron pipe - 60'
5' depth, sl. 0.4%
FL in - 2776.25'
FL out - 2776.01'
Const. paved end slope, Lt. & Rt.
- ③ Const. impact attenuator, type barrels
(For details, see sht. BB201)



REGISTERED PROFESSIONAL ENGINEER
 97542PE
 Digitally Signed 2026.03.17 08:15:43 -07'00'
 OREGON
 JULY 13, 2021
LINDSEY M. MCCULLOUGH
 RENEWS: 12-31-2026

OREGON DEPARTMENT OF TRANSPORTATION

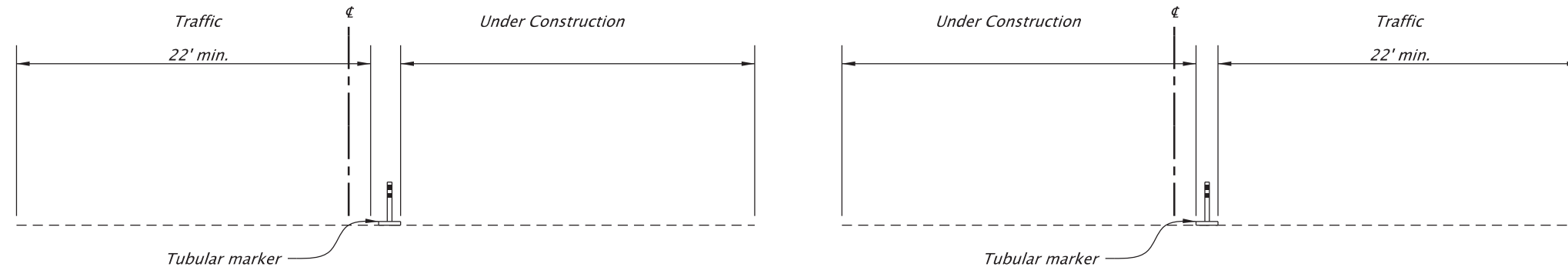
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT
 OLD OREGON TRAIL HIGHWAY
 UNION COUNTY

Designer: Lindsey M. McCullough Reviewer: Mark J. Kightlinger
 CADD Tech: Stephen G. Winburn Checker: Mark J. Kightlinger

CONSTRUCTION NOTES & PROFILES

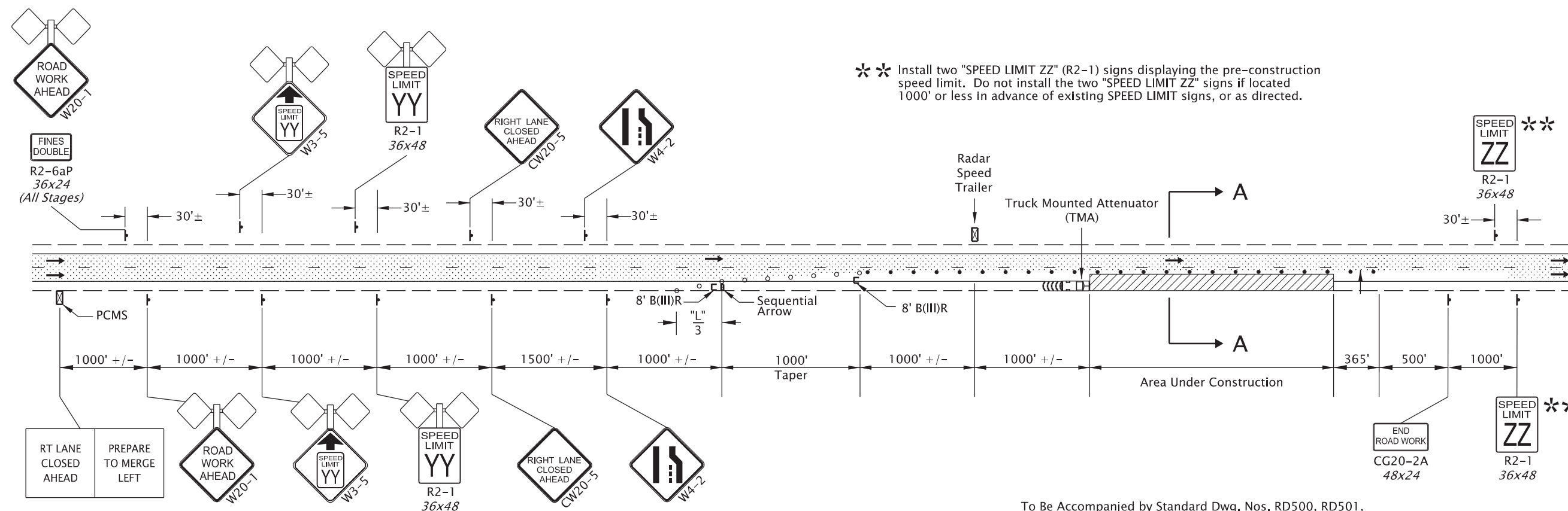
SHEET NO.
C04A

FREEWAY SPEED REDUCTION



SECTION A-A
(Right Lane Closure)

SECTION A-A
(Left Lane Closure)



** Install two "SPEED LIMIT ZZ" (R2-1) signs displaying the pre-construction speed limit. Do not install the two "SPEED LIMIT ZZ" signs if located 1000' or less in advance of existing SPEED LIMIT signs, or as directed.

To Be Accompanied by Standard Dwg. Nos. RD500, RD501, RD503, TM500, TM800, TM820 - TM822, TM833, TM850, TM855, TM860, TM861, TM880

Notes:

- Speed Limit of "YY" shown on signs to be determined by an approved Speed Zone Order from the State Traffic Engineer.
- Do not delineate Radar Speed Trailer. Locate Trailer as shown, or as directed.
- Cover all permanent signs conflicting with temporary signing.
- Excavate and construct concrete repair in the same work shift. Use aggregate wedge according to TM800 when abrupt edge is 2 inches or greater.
- For work in the left lane, place TCD to close the left lane. Use "LEFT LANE CLOSED AHEAD" (CW20-5) signs and the appropriate "LEFT LANE ENDS" (W4-2) signs.
- To determine Taper Length "L" use the "MINIMUM LENGTHS TABLE" on Dwg. No. TM800
- Limit lane closure length to 2.5 miles, or as directed

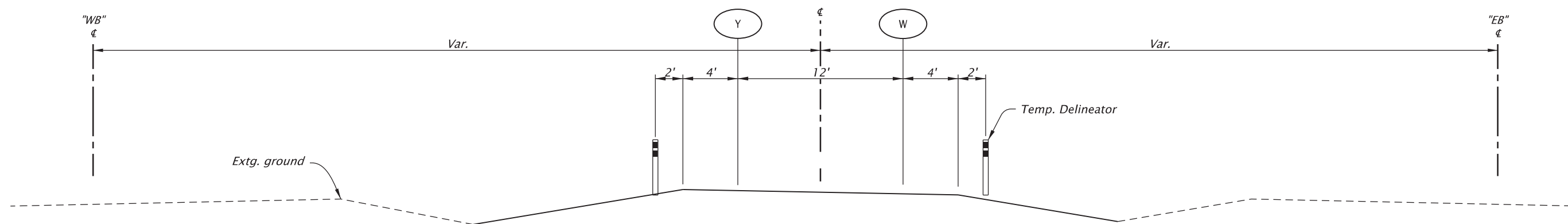
- • • Temp. Plastic Drums @ 40 ft. max. spacing.
- • • 28" Tubular Markers @ 40 ft. max. spacing.

UNDER TRAFFIC
UNDER CONSTRUCTION



<p>OREGON DEPARTMENT OF TRANSPORTATION</p>	
<p>I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY</p>	
<p>Designer: Kyle O'Brien CADD Tech: Kyle O'Brien</p>	<p>Reviewer: Mark J. Kightlinger Checker: Mark J. Kightlinger</p>
<p>TRAFFIC CONTROL DETAILS</p>	
<p>SHEET NO. EA01</p>	

Typical Crossover

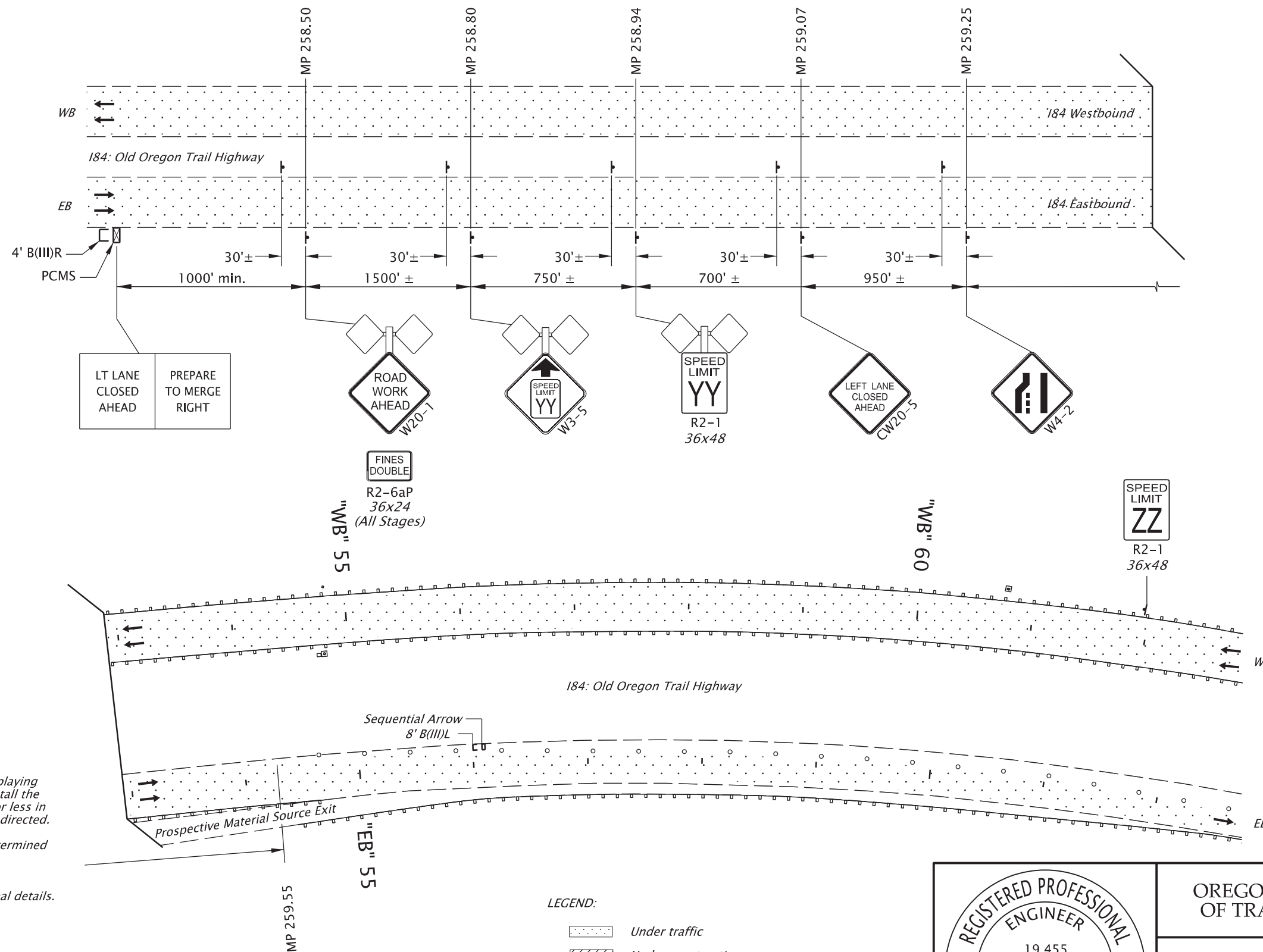


W Inst. 4" white line
 Y Inst. 4" yellow line

REGISTERED PROFESSIONAL
 ENGINEER
 19,455
 Digitally Signed 2026.04.06 05:40:14 -07'00'
 OREGON
 SEPT. 16, 1997
 MARK J. KIGHTLINGER
 RENEWS: 6-30-2027

OREGON DEPARTMENT OF TRANSPORTATION		
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY		
Designer: Kyle O'Brien	Reviewer: Mark J. Kightlinger	
CADD Tech: Kyle O'Brien	Checker: Mark J. Kightlinger	
TRAFFIC CONTROL DETAILS		SHEET NO. EA02

STAGE I



NOTES:

- Install two "SPEED LIMIT ZZ" (R2-1) signs displaying the pre-construction speed limit. Do not install the two "SPEED LIMIT ZZ" signs if located 1000' or less in advance of existing SPEED LIMIT signs, or as directed.
- Speed Limit of "YY" shown on signs to be determined by an approved Speed Zone Order from the State Traffic Engineer.
- See Sht. EB09 for temp. striping and additional details.
- Cover all permanent signs conflicting with temporary signing.
- When applicable or as directed, install a 54-inch "TRUCKS ENTERING HIGHWAY XXXX FT" sign at mile point 259.38 eastbound. Remove as directed.
- When applicable or as directed, install a 54-inch "TRUCKS LEAVING HIGHWAY XXXX FT" sign at mile point 259.64 westbound. Remove as directed.
- Install PCMS with accompanying traffic control devices as shown on TM800.

LEGEND:

- Under traffic
- ▨▨▨▨▨ Under construction
- ○ ○ ○ Temp. plastic drums on 40' max. spacing
- ◁ ◁ ◁ ◁ Surface mounted tubular markers on 40' max. spacing
- * * * * * Temp. delineators type "W-1" or "Y-1", as directed on 200' max. spacing

REGISTERED PROFESSIONAL ENGINEER
19,455
Digitally Signed 2026.04.06 05:40:51 -07'00'
OREGON
SEPT. 16, 1997
MARK J. KIGHTLINGER
RENEWS: 6-30-2027

OREGON DEPARTMENT OF TRANSPORTATION

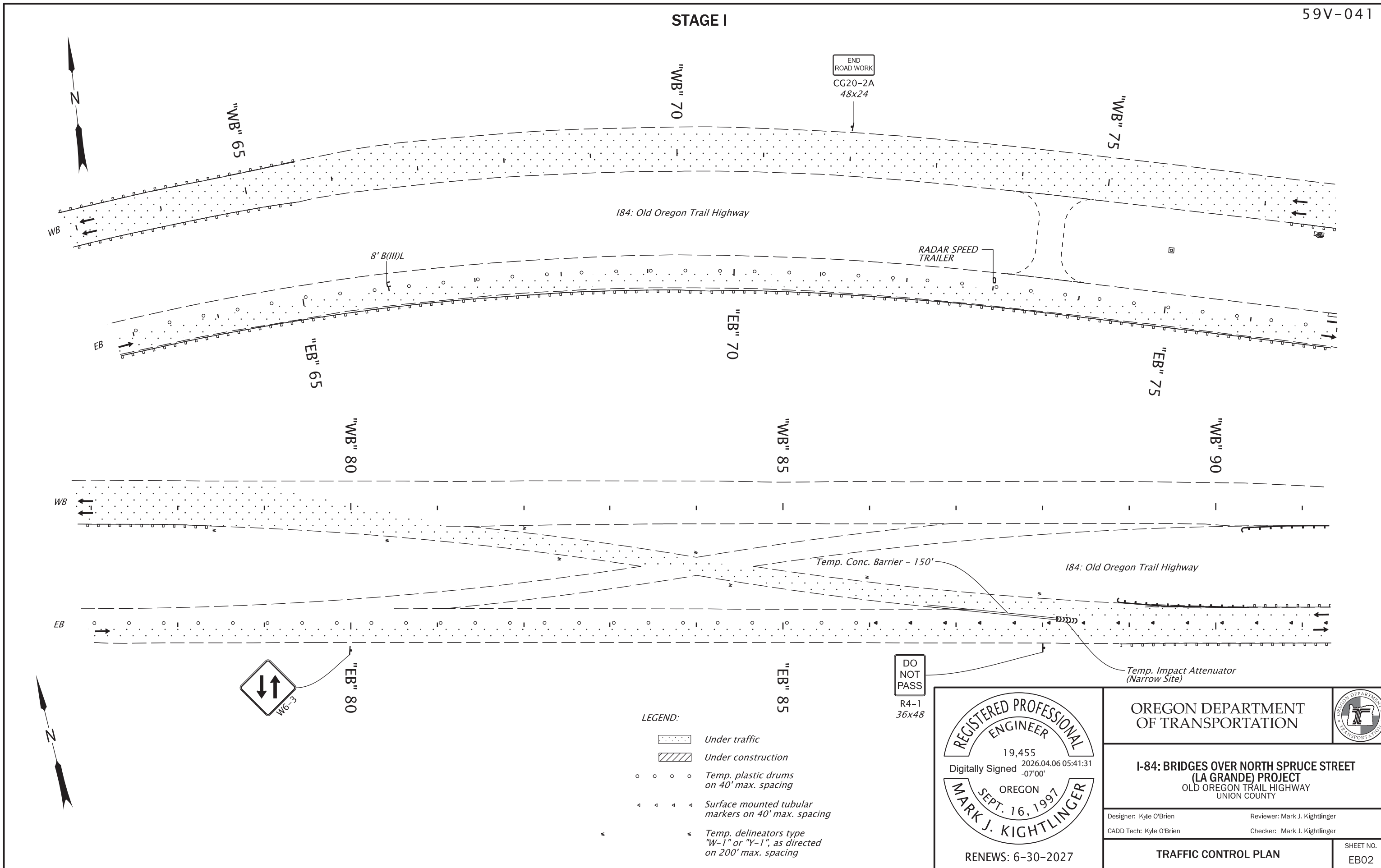
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT
OLD OREGON TRAIL HIGHWAY
UNION COUNTY

Designer: Kyle O'Brien Reviewer: Mark J. Kightlinger
CADD Tech: Kyle O'Brien Checker: Mark J. Kightlinger






TRAFFIC CONTROL PLAN

SHEET NO. EB01


STAGE I



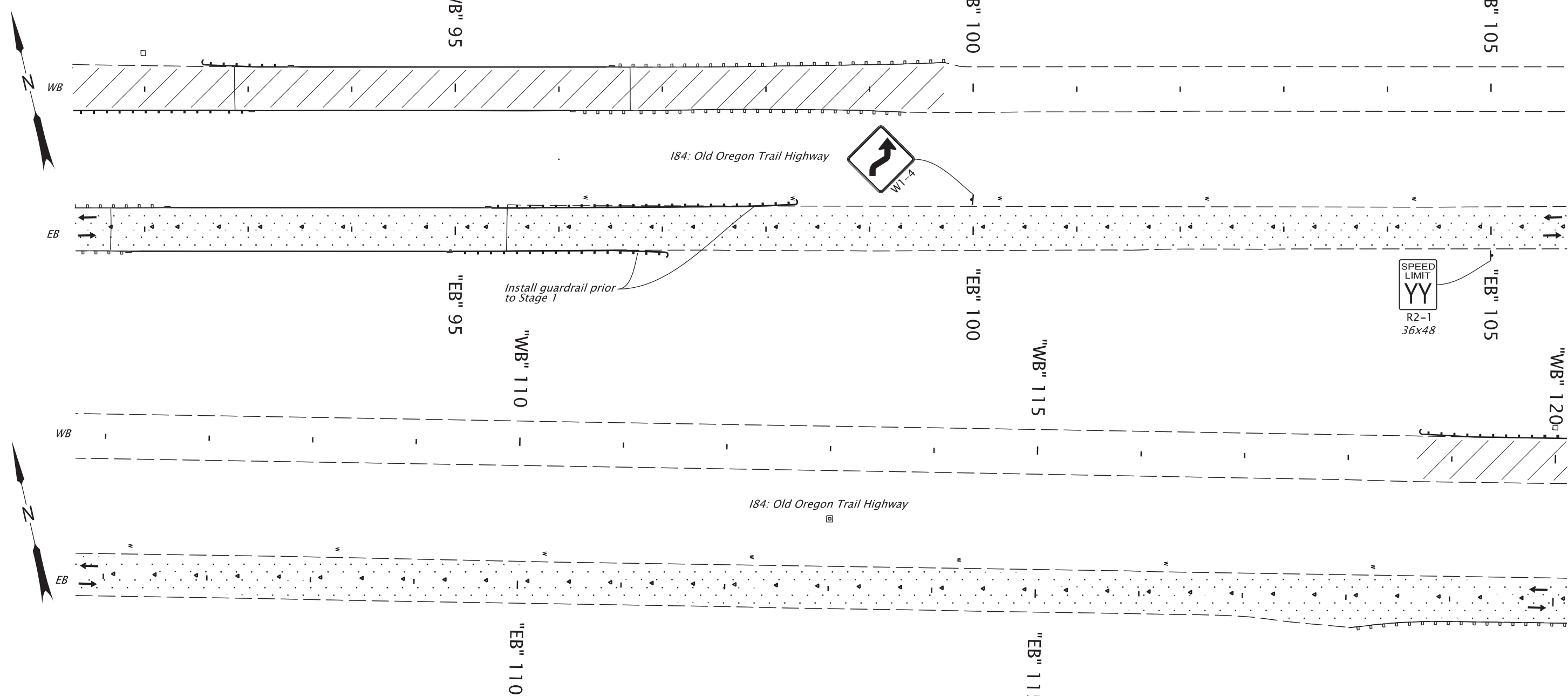
LEGEND:

-  Under traffic
-  Under construction
-  Temp. plastic drums on 40' max. spacing
-  Surface mounted tubular markers on 40' max. spacing
-  Temp. delineators type "W-1" or "Y-1", as directed on 200' max. spacing








 OREGON DEPARTMENT OF TRANSPORTATION	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Kyle O'Brien	Reviewer: Mark J. Kightlinger
CADD Tech: Kyle O'Brien	Checker: Mark J. Kightlinger
TRAFFIC CONTROL PLAN	
SHEET NO. EB02	


STAGE I



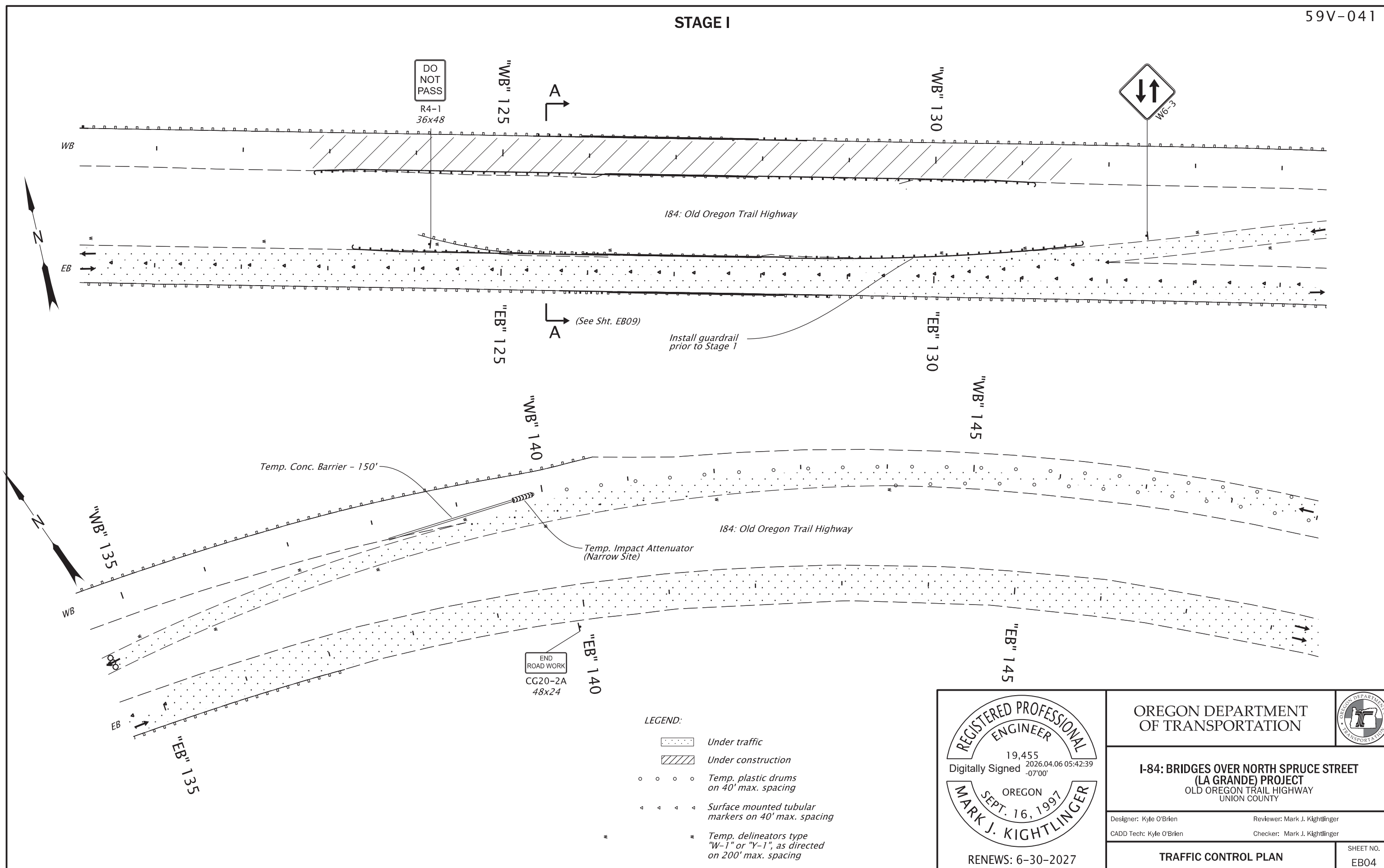
LEGEND:

-  Under traffic
-  Under construction
-  Temp. plastic drums on 40' max. spacing
-  Surface mounted tubular markers on 40' max. spacing
-  Temp. delineators type "W-1" or "Y-1", as directed on 200' max. spacing


 REGISTERED PROFESSIONAL ENGINEER
 19,455
 Digitally Signed 2026.04.06 05:42:03 -07'00'
 OREGON
 SEPT. 16, 1997
 MARK J. KIGHTLINGER
 RENEWS: 6-30-2027

 OREGON DEPARTMENT OF TRANSPORTATION	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Kyle O'Brien	Reviewer: Mark J. Kightlinger
CADD Tech: Kyle O'Brien	Checker: Mark J. Kightlinger
TRAFFIC CONTROL PLAN	
SHEET NO. EB03	

STAGE I

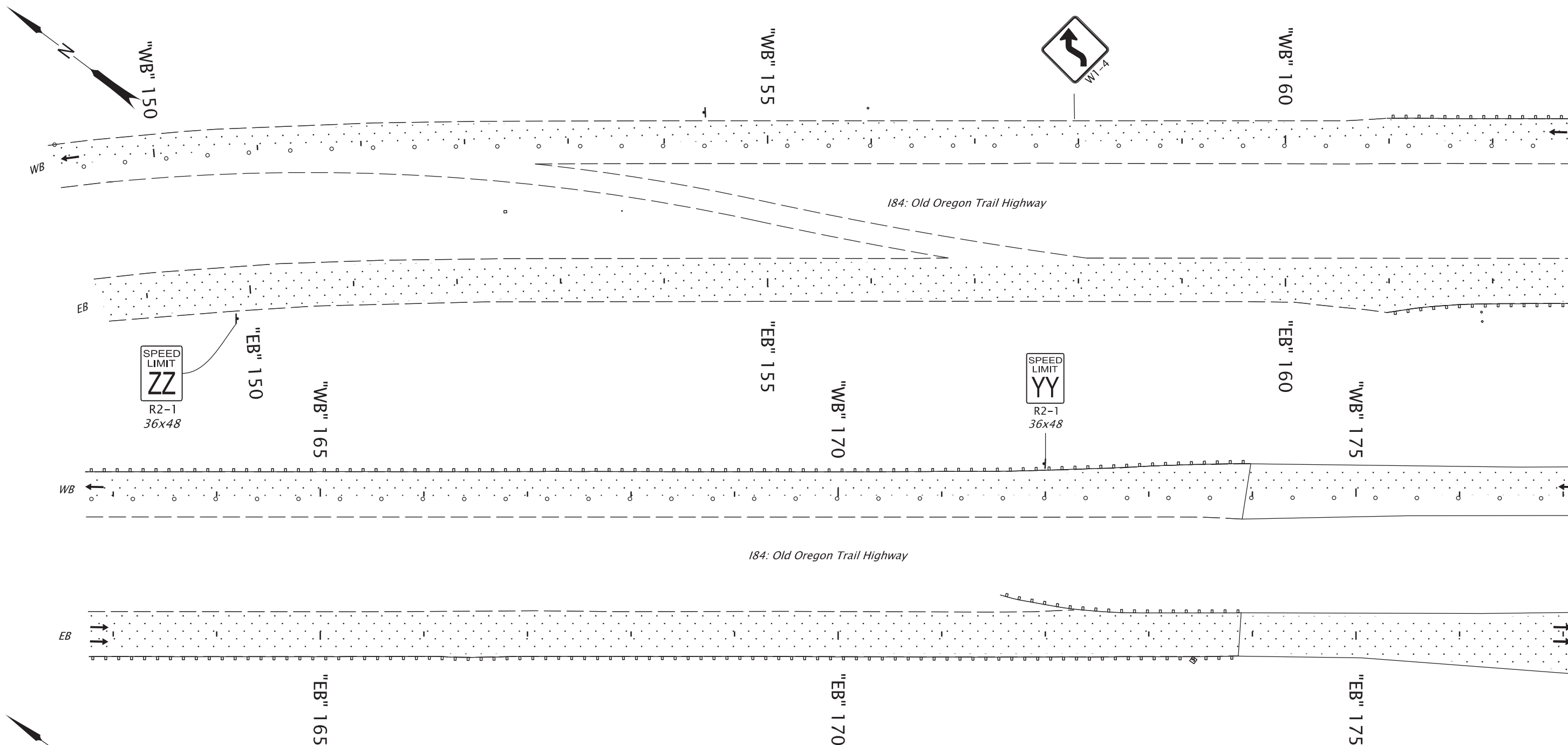


- LEGEND:
- Under traffic
 - Under construction
 - Temp. plastic drums on 40' max. spacing
 - Surface mounted tubular markers on 40' max. spacing
 - Temp. delineators type "W-1" or "Y-1", as directed on 200' max. spacing






REGISTERED PROFESSIONAL
ENGINEER
19,455
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OREGON
SEPT. 16, 1997
MARK J. KIGHTLINGER
RENEWS: 6-30-2027

OREGON DEPARTMENT OF TRANSPORTATION	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Kyle O'Brien	Reviewer: Mark J. Kightlinger
CADD Tech: Kyle O'Brien	Checker: Mark J. Kightlinger
TRAFFIC CONTROL PLAN	
SHEET NO. EB04	

STAGE I




LEGEND:

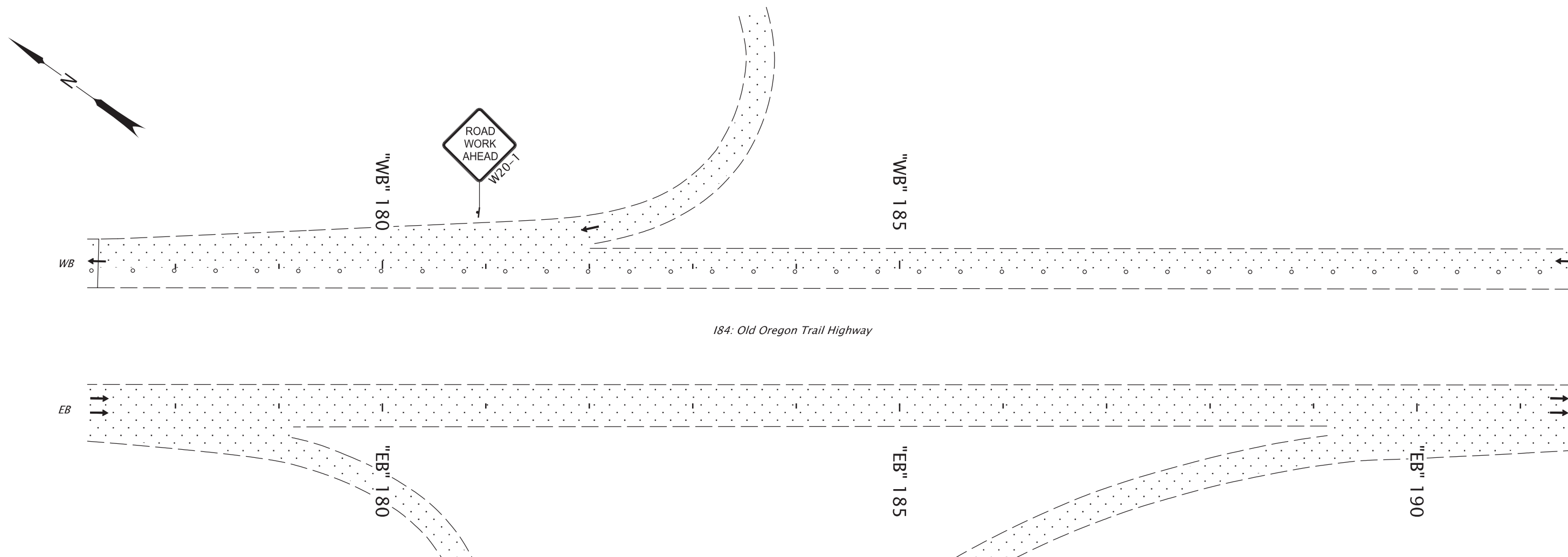
-  Under traffic
-  Under construction
-  Temp. plastic drums on 40' max. spacing
-  Surface mounted tubular markers on 40' max. spacing
-  Temp. delineators type "W-1" or "Y-1", as directed on 200' max. spacing


 REGISTERED PROFESSIONAL ENGINEER
 19,455
 Digitally Signed 2026.04.06 05:43:12 -07'00'
 OREGON
 SEPT. 16, 1997
 MARK J. KIGHTLINGER






RENEWS: 6-30-2027

 OREGON DEPARTMENT OF TRANSPORTATION	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Kyle O'Brien	Reviewer: Mark J. Kightlinger
CADD Tech: Kyle O'Brien	Checker: Mark J. Kightlinger
TRAFFIC CONTROL PLAN	
SHEET NO. EB05	


STAGE I



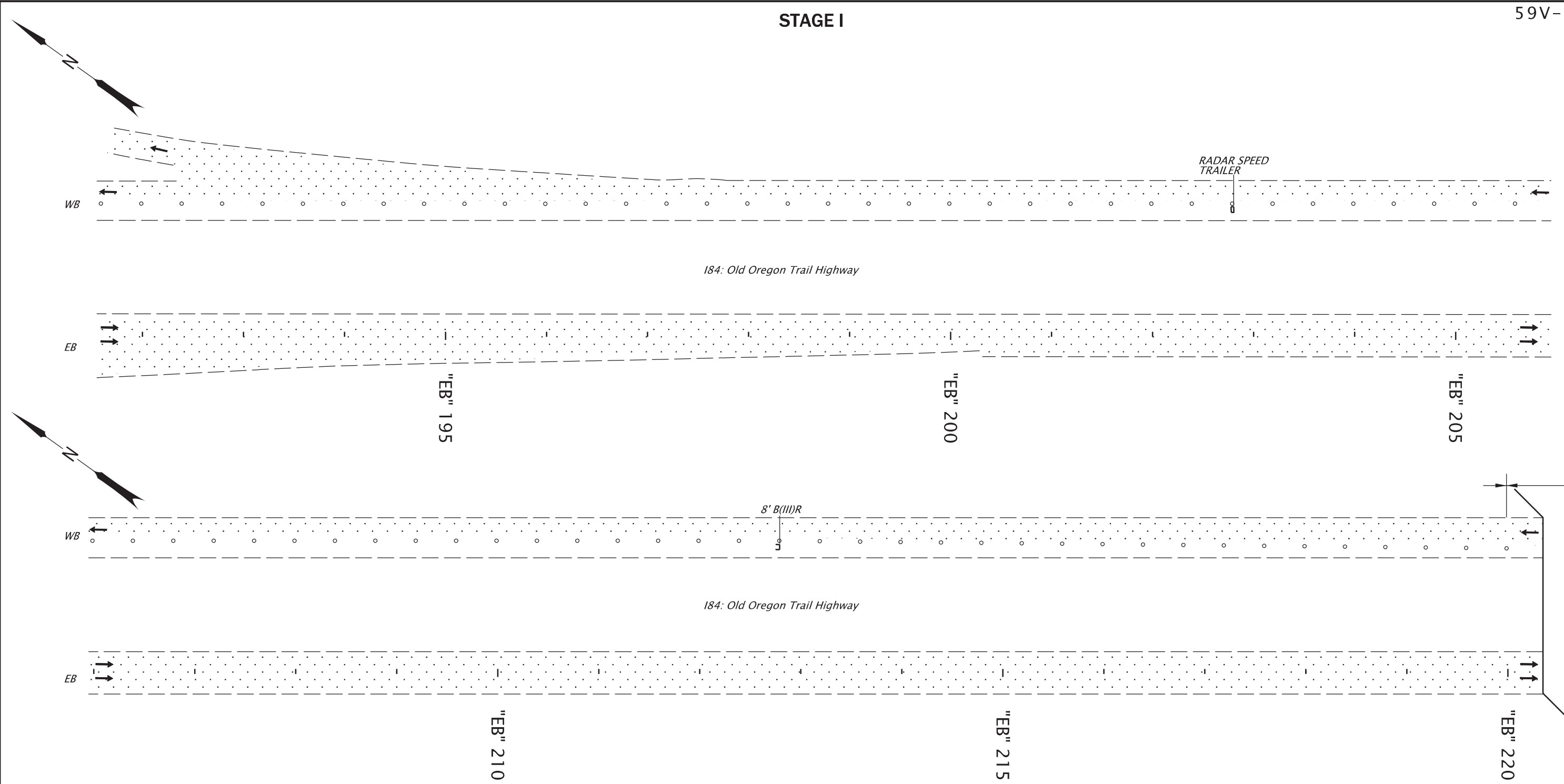
LEGEND:

-  Under traffic
-  Under construction
-  Temp. plastic drums on 40' max. spacing
-  Surface mounted tubular markers on 40' max. spacing
-  Temp. delineators type "W-1" or "Y-1", as directed on 200' max. spacing







 REGISTERED PROFESSIONAL ENGINEER
 19,455
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 MARK J. KIGHTLINGER
 RENEWS: 6-30-2027

 OREGON DEPARTMENT OF TRANSPORTATION	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Kyle O'Brien	Reviewer: Mark J. Kightlinger
CADD Tech: Kyle O'Brien	Checker: Mark J. Kightlinger
TRAFFIC CONTROL PLAN	
SHEET NO. EB06	


STAGE I



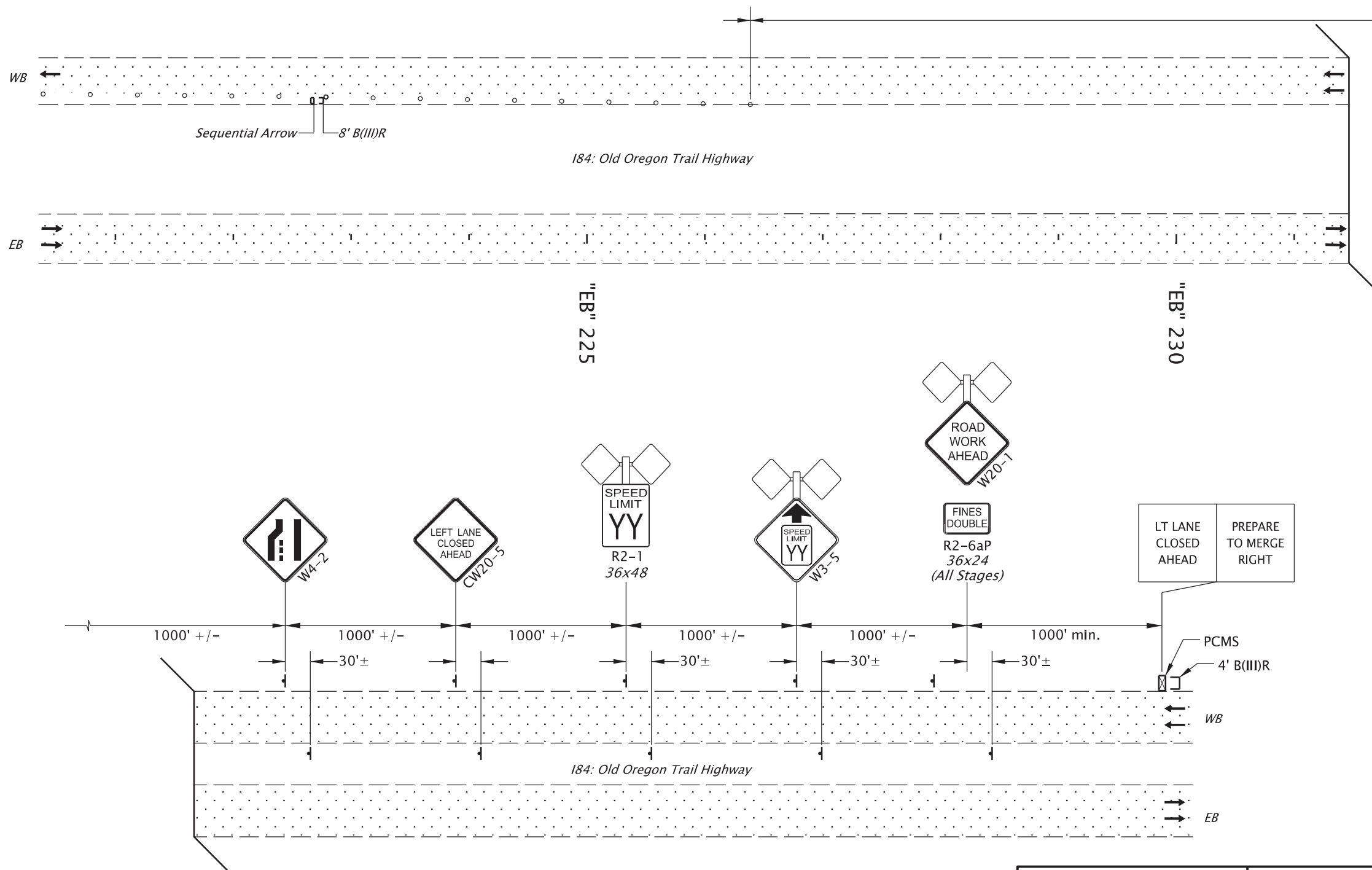
LEGEND:

-  Under traffic
-  Under construction
-  Temp. plastic drums on 40' max. spacing
-  Surface mounted tubular markers on 40' max. spacing
-  Temp. delineators type "W-1" or "Y-1", as directed on 200' max. spacing







 REGISTERED PROFESSIONAL ENGINEER
 19,455
 Digitally Signed 2026.04.06 05:44:22 -07'00'
 OREGON
 SEPT. 16, 1997
 MARK J. KIGHTLINGER
 RENEWS: 6-30-2027

 OREGON DEPARTMENT OF TRANSPORTATION	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Kyle O'Brien	Reviewer: Mark J. Kightlinger
CADD Tech: Kyle O'Brien	Checker: Mark J. Kightlinger
TRAFFIC CONTROL PLAN	
SHEET NO. EB07	

STAGE I




LEGEND:

-  Under traffic
-  Under construction
-  Temp. plastic drums on 40' max. spacing
-  Surface mounted tubular markers on 40' max. spacing
-  Temp. delineators type "W-1" or "Y-1", as directed on 200' max. spacing

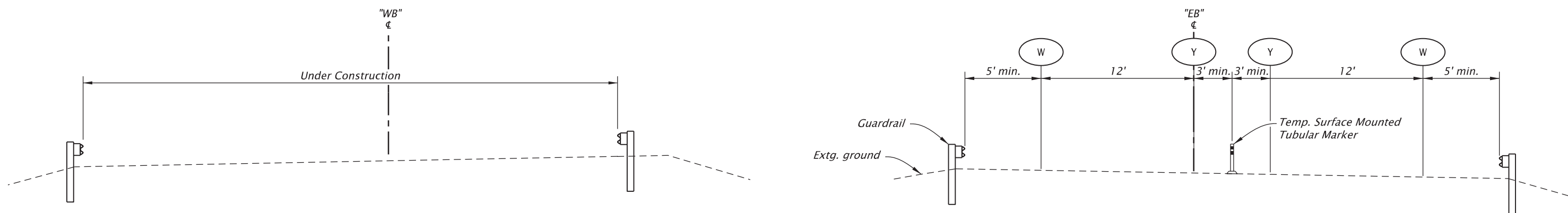
NOTE:

- Install PCMS with accompanying traffic control devices as shown on TM800.


 REGISTERED PROFESSIONAL ENGINEER
 19,455
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 OREGON
 SEPT. 16, 1997
 MARK J. KIGHTLINGER
 RENEWS: 6-30-2027

 OREGON DEPARTMENT OF TRANSPORTATION	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Kyle O'Brien CADD Tech: Kyle O'Brien	Reviewer: Mark J. Kightlinger Checker: Mark J. Kightlinger
TRAFFIC CONTROL PLAN	
SHEET NO. EB08	

STAGE I



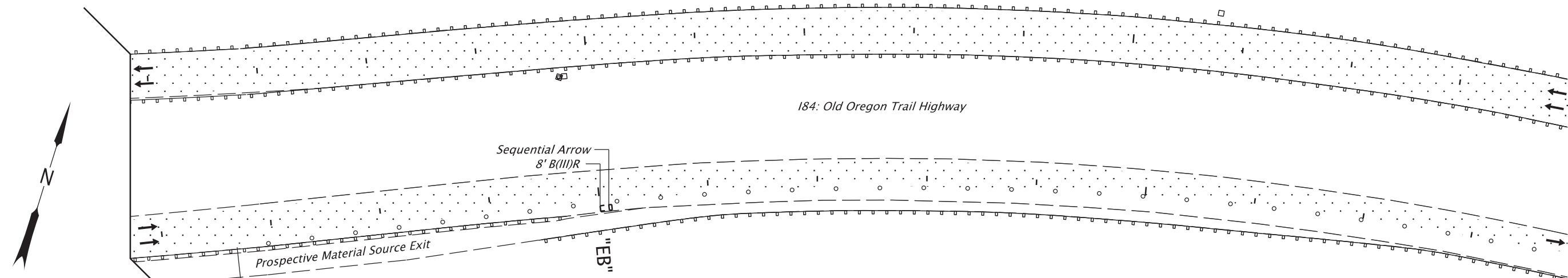
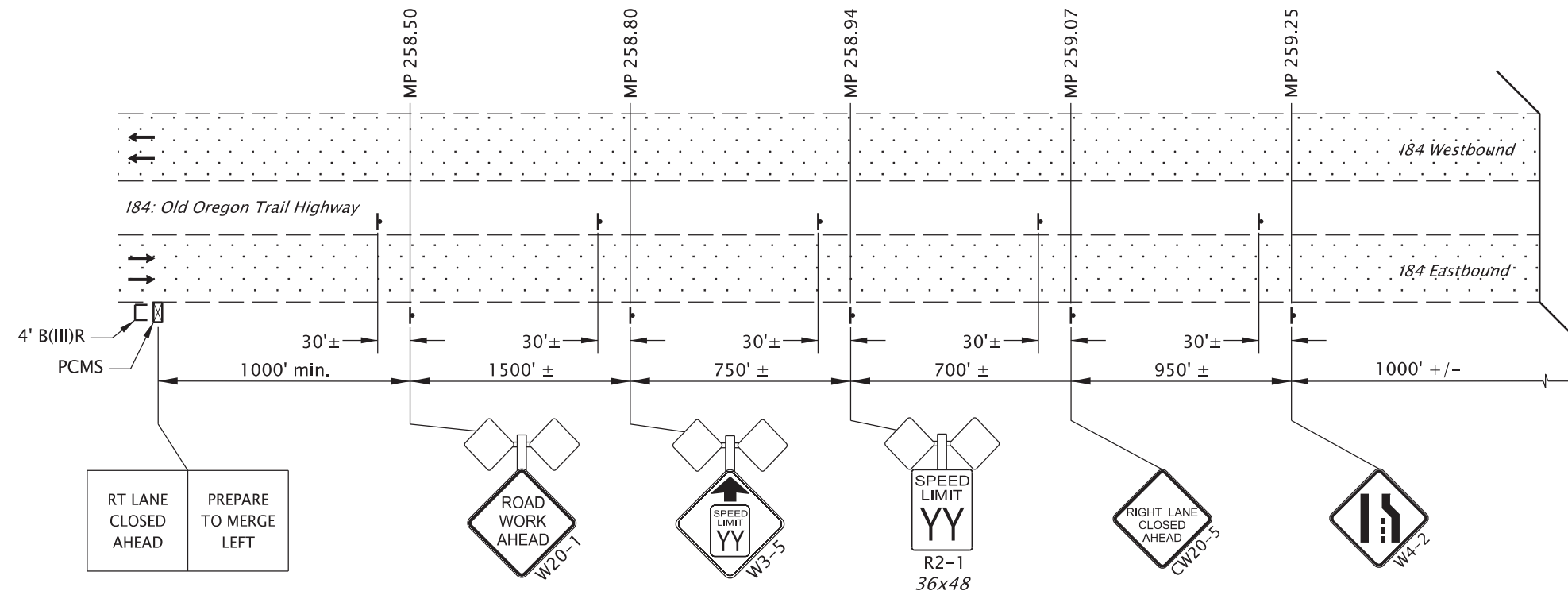
Section A-A

W Inst. 4" white line
 Y Inst. 4" yellow line



OREGON DEPARTMENT OF TRANSPORTATION		
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY		
Designer: Kyle O'Brien CADD Tech: Kyle O'Brien	Reviewer: Mark J. Kightlinger Checker: Mark J. Kightlinger	SHEET NO. EB09
TRAFFIC CONTROL PLAN		

STAGE II



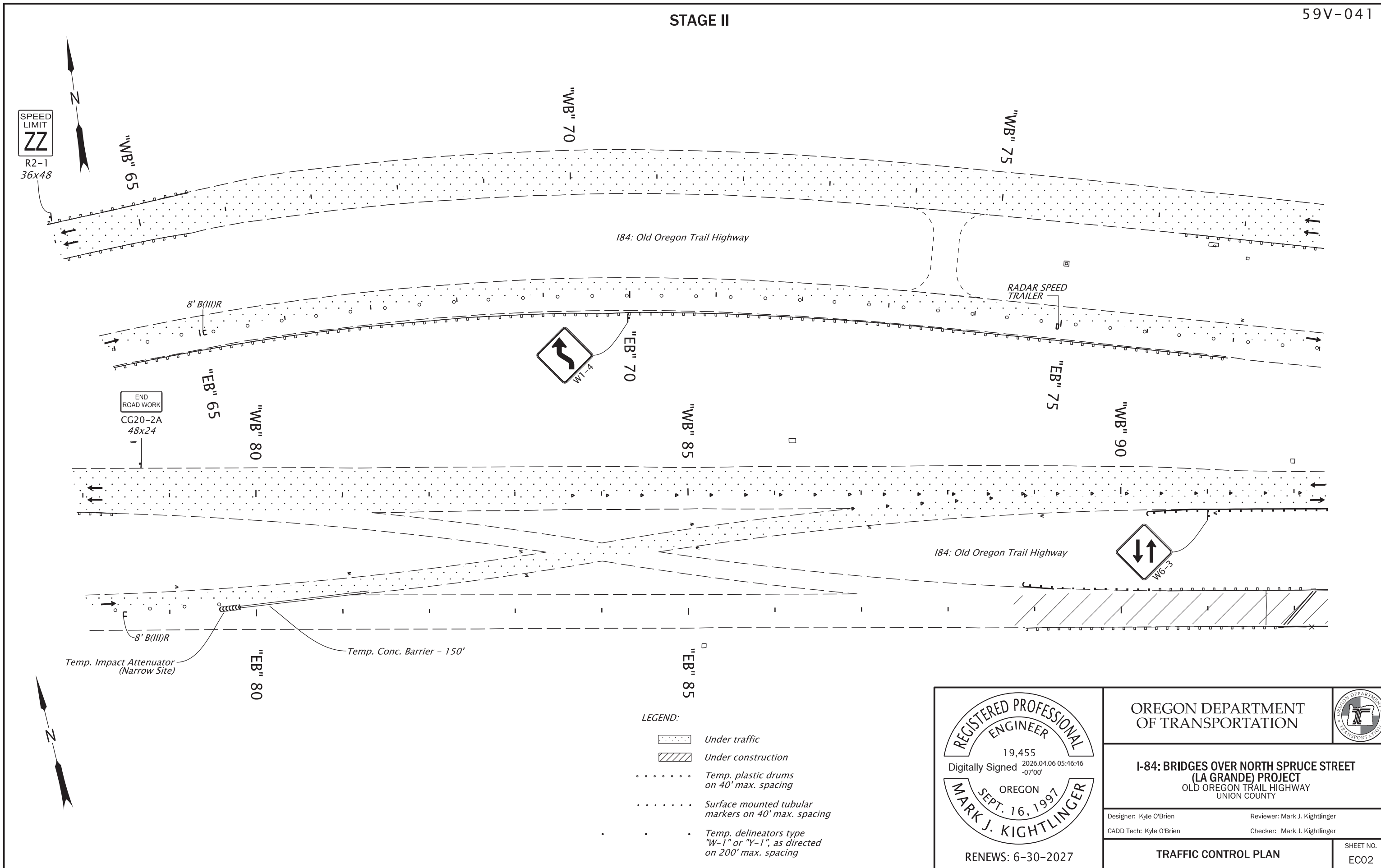
- LEGEND:**
- Under traffic
 - Under construction
 - Temp. plastic drums on 40' max. spacing
 - Surface mounted tubular markers on 40' max. spacing
 - Temp. delineators type "W-1" or "Y-1", as directed on 200' max. spacing

- NOTES:**
- Install two "SPEED LIMIT ZZ" (R2-1) signs displaying the pre-construction speed limit. Do not install the two "SPEED LIMIT ZZ" signs if located 1000' or less in advance of existing SPEED LIMIT signs, or as directed.
 - Speed Limit of "YY" shown on signs to be determined by an approved Speed Zone Order from the State Traffic Engineer.
 - See Sht. EB09 for temp. striping and additional details.
 - Cover all permanent signs conflicting with temporary signing.
 - Install PCMS with accompanying traffic control devices as shown on TM800.






REGISTERED PROFESSIONAL ENGINEER
 19,455
 Digitally Signed 2026.04.08 08:03:24 -07'00'
 OREGON
 SEPT. 16, 1997
 MARK J. KIGHTLINGER
 RENEWS: 6-30-2027

 OREGON DEPARTMENT OF TRANSPORTATION	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Kyle O'Brien CADD Tech: Kyle O'Brien	Reviewer: Mark J. Kightlinger Checker: Mark J. Kightlinger
TRAFFIC CONTROL PLAN	
SHEET NO. EC01	


STAGE II



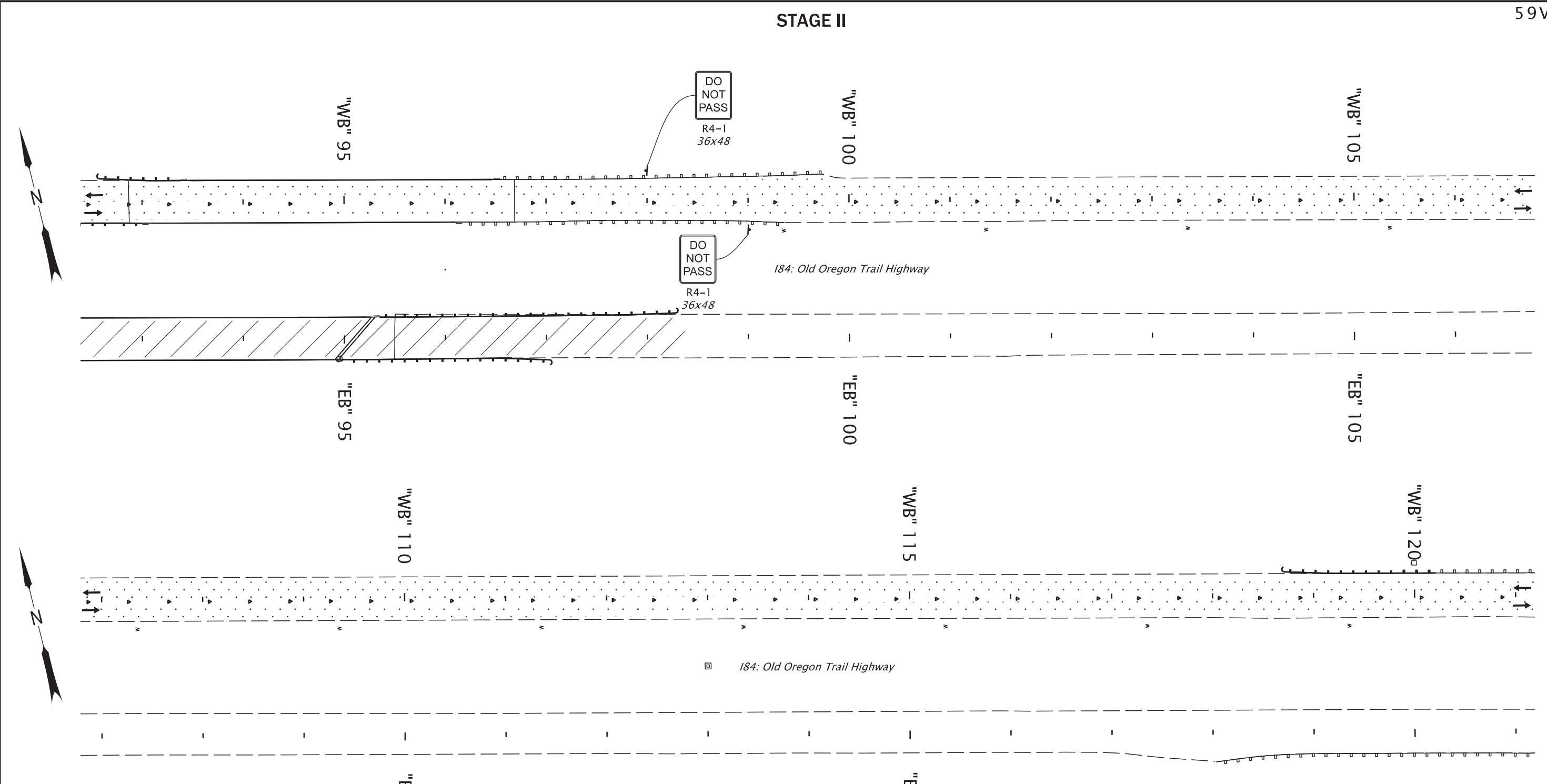
LEGEND:






-  Under traffic
-  Under construction
-  Temp. plastic drums on 40' max. spacing
-  Surface mounted tubular markers on 40' max. spacing
-  Temp. delineators type "W-1" or "Y-1", as directed on 200' max. spacing


 REGISTERED PROFESSIONAL ENGINEER
 19,455
 Digitally Signed 2026.04.06 05:46:46 -07'00'
 OREGON
 SEPT. 16, 1997
 MARK J. KIGHTLINGER
 RENEWS: 6-30-2027

 OREGON DEPARTMENT OF TRANSPORTATION	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Kyle O'Brien	Reviewer: Mark J. Kightlinger
CADD Tech: Kyle O'Brien	Checker: Mark J. Kightlinger
TRAFFIC CONTROL PLAN	
SHEET NO. EC02	

STAGE II



- LEGEND:
-  Under traffic
 -  Under construction
 -  Temp. plastic drums on 40' max. spacing
 -  Surface mounted tubular markers on 40' max. spacing
 -  Temp. delineators type "W-1" or "Y-1", as directed on 200' max. spacing

REGISTERED PROFESSIONAL ENGINEER
 19,455
 Digitally Signed 2026.04.06 05:47:30 -07'00'
 OREGON
 SEPT. 16, 1997
 MARK J. KIGHTLINGER
 RENEWS: 6-30-2027

OREGON DEPARTMENT OF TRANSPORTATION

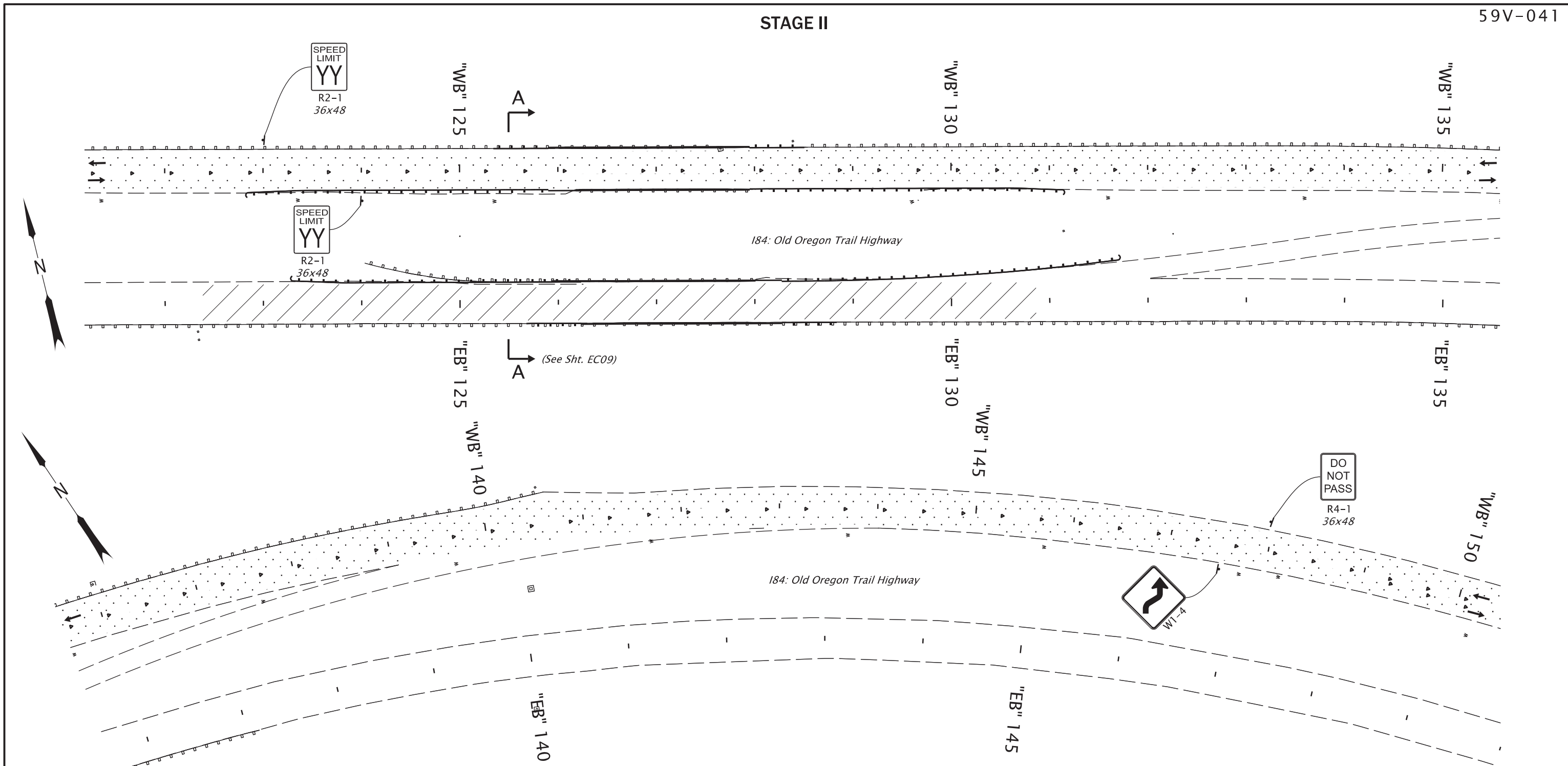
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT
 OLD OREGON TRAIL HIGHWAY
 UNION COUNTY






Designer: Kyle O'Brien Reviewer: Mark J. Kightlinger
 CADD Tech: Kyle O'Brien Checker: Mark J. Kightlinger

TRAFFIC CONTROL PLAN

SHEET NO. EC03

STAGE II



- LEGEND:
-  Under traffic
 -  Under construction
 -  Temp. plastic drums on 40' max. spacing
 -  Surface mounted tubular markers on 40' max. spacing
 -  Temp. delineators type "W-1" or "Y-1", as directed on 200' max. spacing

REGISTERED PROFESSIONAL ENGINEER
 19,455
 Digitally Signed 2026.04.06 05:48:04 -07'00'
 OREGON
 SEPT. 16, 1997
 MARK J. KIGHTLINGER
 RENEWS: 6-30-2027

OREGON DEPARTMENT OF TRANSPORTATION

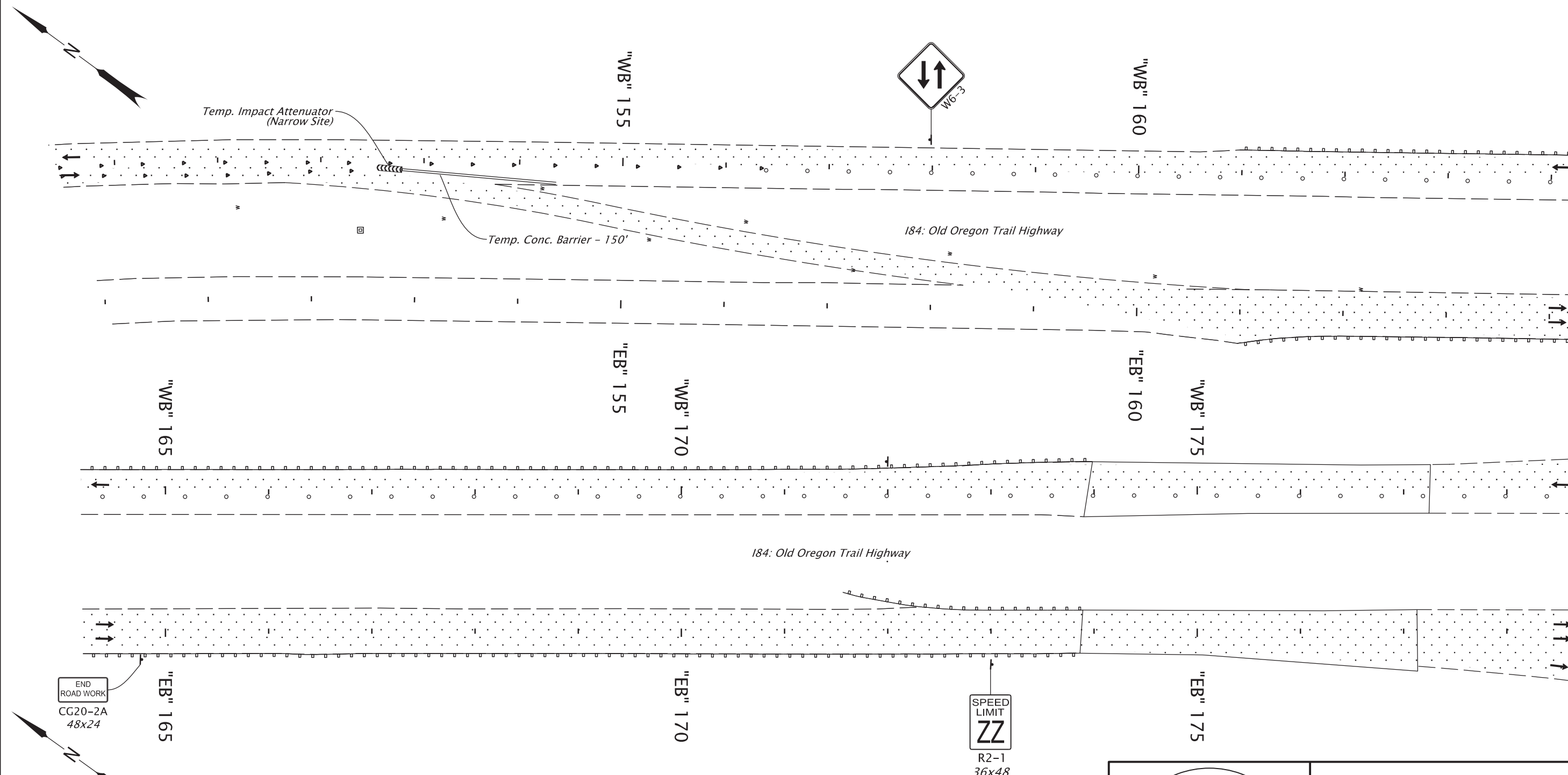
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT
 OLD OREGON TRAIL HIGHWAY
 UNION COUNTY

Designer: Kyle O'Brien Reviewer: Mark J. Kightlinger
 CADD Tech: Kyle O'Brien Checker: Mark J. Kightlinger






TRAFFIC CONTROL PLAN

SHEET NO. EC04


STAGE II



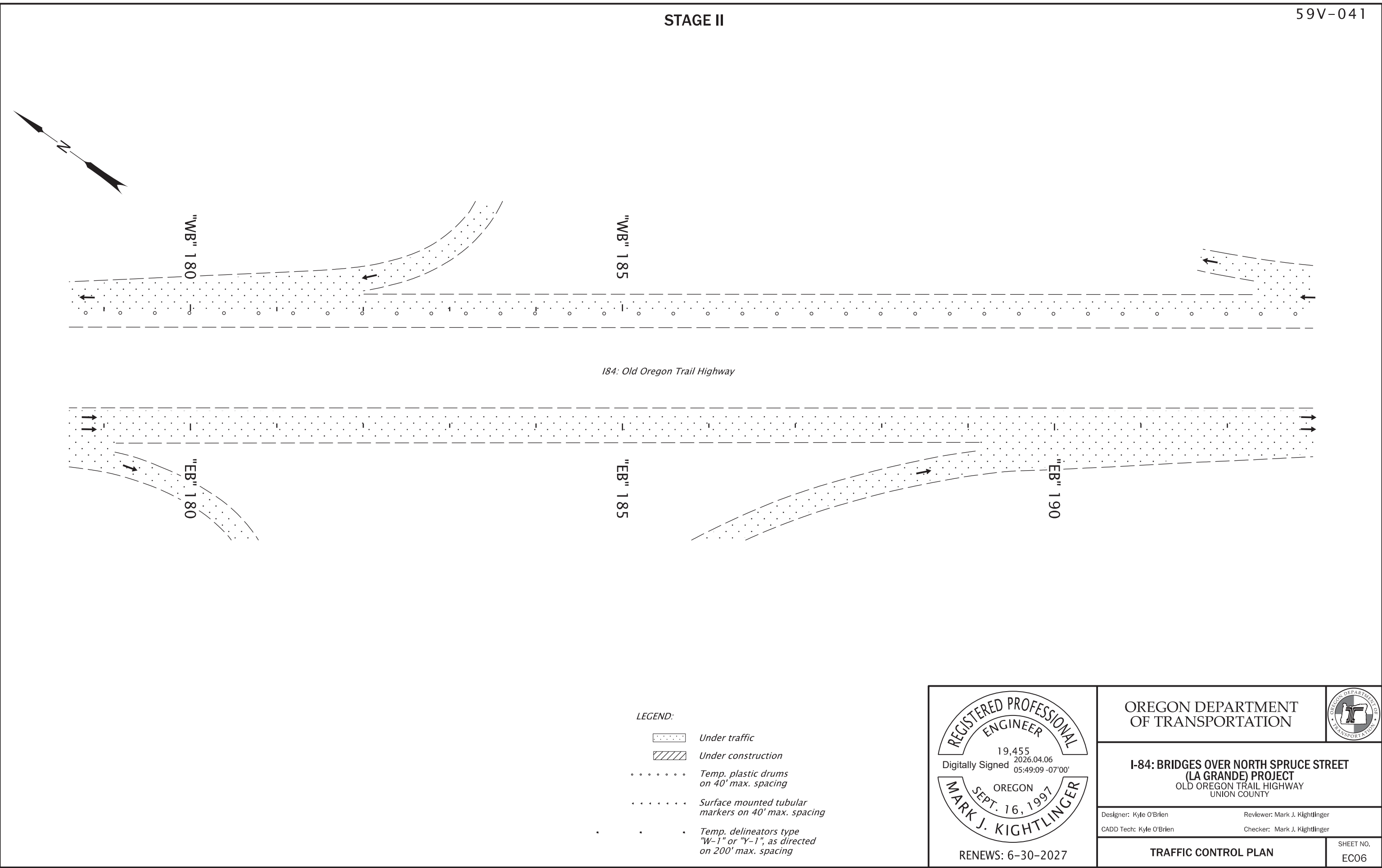
LEGEND:

-  Under traffic
-  Under construction
-  Temp. plastic drums on 40' max. spacing
-  Surface mounted tubular markers on 40' max. spacing
-  Temp. delineators type "W-1" or "Y-1", as directed on 200' max. spacing







 REGISTERED PROFESSIONAL ENGINEER
 19,455
 Digitally Signed 2026.04.06 05:48:35 -07'00'
 OREGON
 SEPT. 16, 1997
 MARK J. KIGHTLINGER
 RENEWS: 6-30-2027

 OREGON DEPARTMENT OF TRANSPORTATION	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Kyle O'Brien CADD Tech: Kyle O'Brien	Reviewer: Mark J. Kightlinger Checker: Mark J. Kightlinger
TRAFFIC CONTROL PLAN	
SHEET NO. EC05	


STAGE II



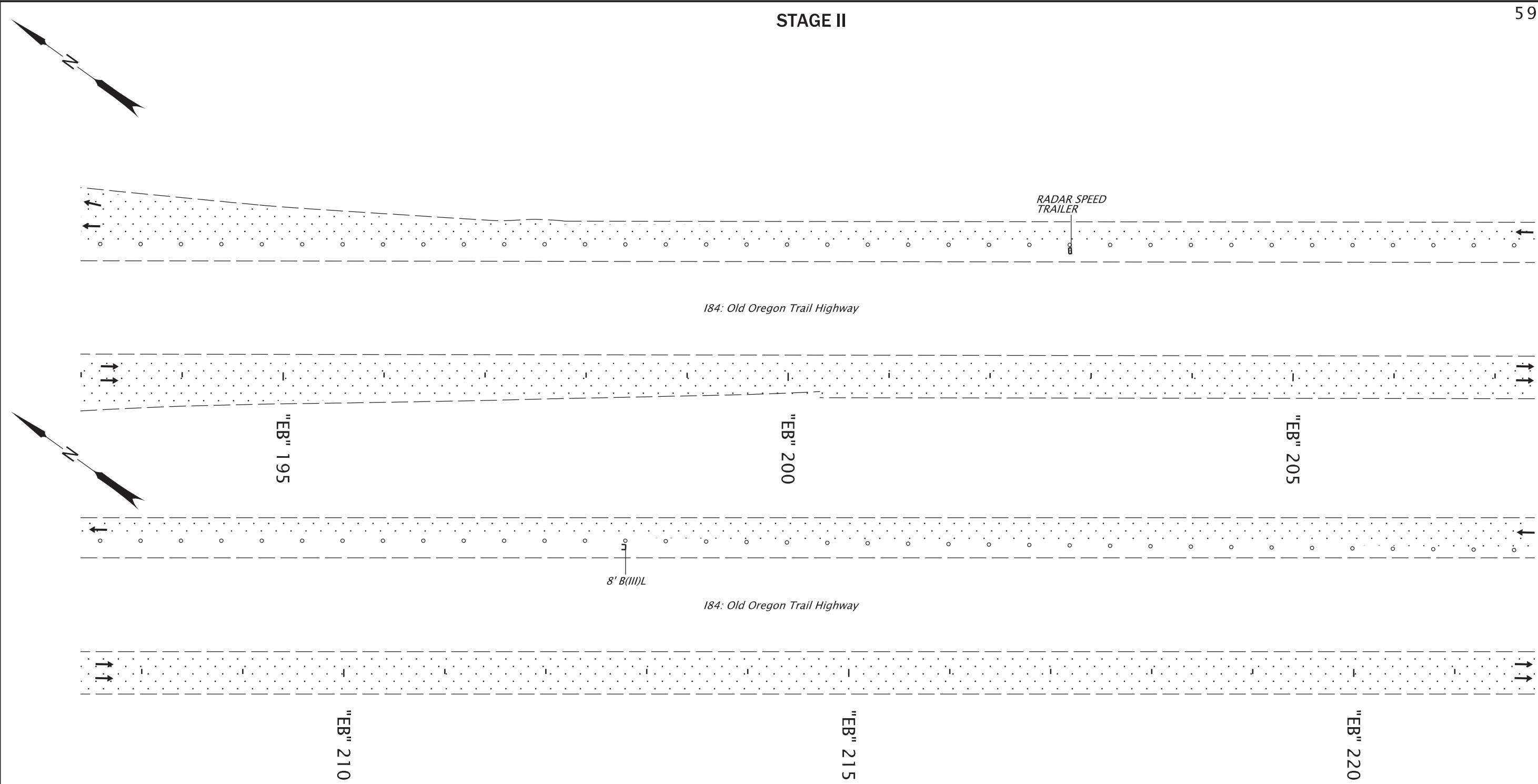
LEGEND:

-  Under traffic
-  Under construction
-  Temp. plastic drums on 40' max. spacing
-  Surface mounted tubular markers on 40' max. spacing
-  Temp. delineators type "W-1" or "Y-1", as directed on 200' max. spacing







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 OREGON
 SEPT. 16, 1997
 MARK J. KIGHTLINGER
 RENEWS: 6-30-2027

 OREGON DEPARTMENT OF TRANSPORTATION	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Kyle O'Brien	Reviewer: Mark J. Kightlinger
CADD Tech: Kyle O'Brien	Checker: Mark J. Kightlinger
TRAFFIC CONTROL PLAN	SHEET NO. EC06


STAGE II



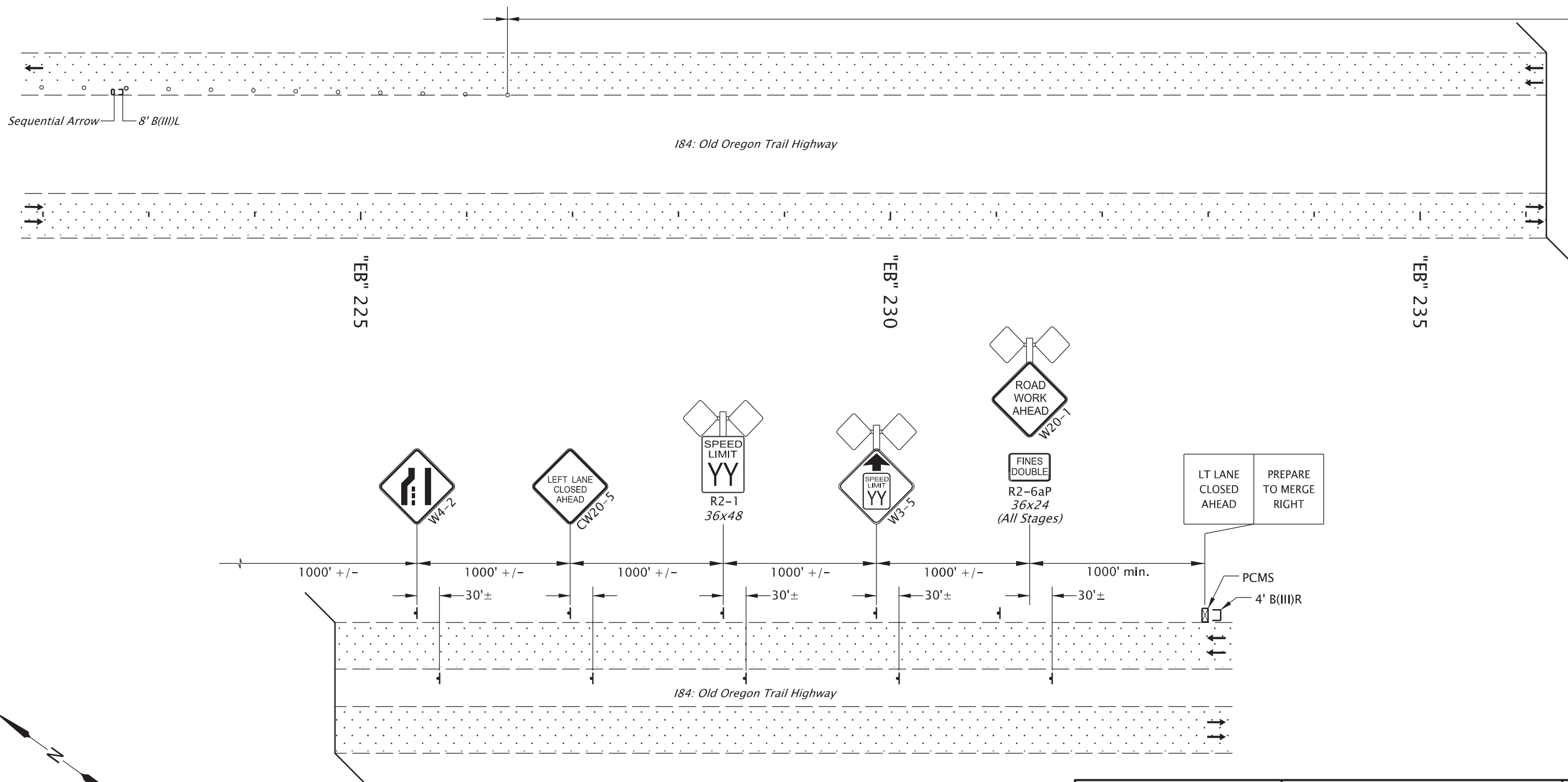
LEGEND:

-  Under traffic
-  Under construction
-  Temp. plastic drums on 40' max. spacing
-  Surface mounted tubular markers on 40' max. spacing
-  Temp. delineators type "W-1" or "Y-1", as directed on 200' max. spacing


 RENEWS: 6-30-2027

 OREGON DEPARTMENT OF TRANSPORTATION	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Kyle O'Brien	Reviewer: Mark J. Kightlinger
CADD Tech: Kyle O'Brien	Checker: Mark J. Kightlinger
TRAFFIC CONTROL PLAN	
SHEET NO. EC07	

STAGE II



- LEGEND:
- Under traffic
 - Under construction
 - Temp. plastic drums on 40' max. spacing
 - Surface mounted tubular markers on 40' max. spacing
 - Temp. delineators type "W-1" or "Y-1", as directed on 200' max. spacing

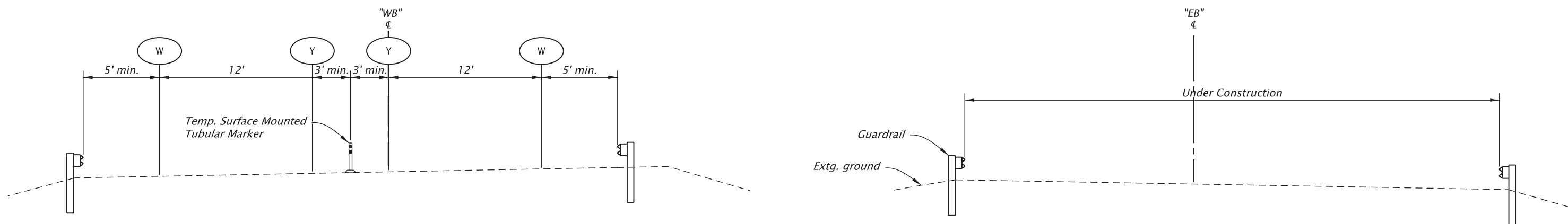
NOTES:

- Install PCMS with accompanying traffic control devices as shown on TM800.

REGISTERED PROFESSIONAL ENGINEER
 19,455
 Digitally Signed 2026.04.08 08:01:58 -07'00'
 OREGON
 SEPT. 16, 1997
 MARK J. KIGHTLINGER
 RENEWS: 6-30-2027

OREGON DEPARTMENT OF TRANSPORTATION		
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY		
Designer: Kyle O'Brien	Reviewer: Mark J. Kightlinger	
CADD Tech: Kyle O'Brien	Checker: Mark J. Kightlinger	
TRAFFIC CONTROL PLAN		SHEET NO. EC08

STAGE II



Section A-A

- W Inst. 4" white line
- Y Inst. 4" yellow line



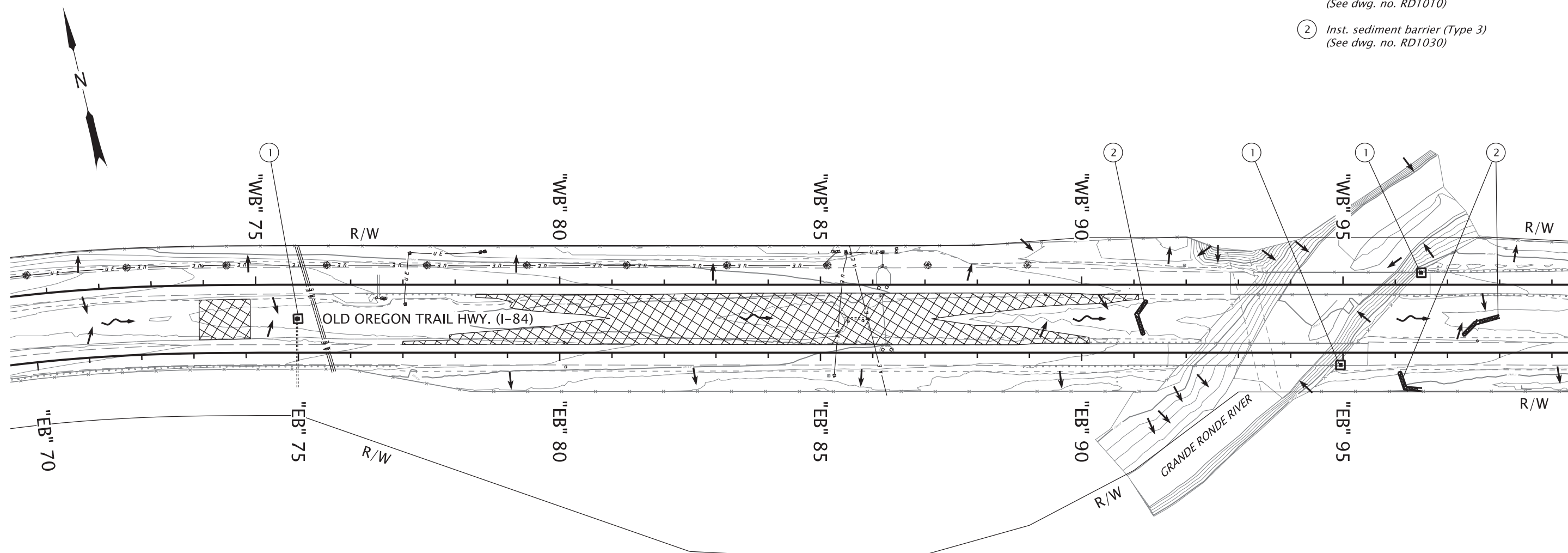
RENEWS: 6-30-2027

OREGON DEPARTMENT OF TRANSPORTATION		
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY		
Designer: Kyle O'Brien CADD Tech: Kyle O'Brien	Reviewer: Mark J. Kightlinger Checker: Mark J. Kightlinger	SHEET NO. EC09
TRAFFIC CONTROL PLAN		

Phase 1: Demolition, Clearing, Grading, Excavation

CONSTRUCTION NOTES

- ① Const. inlet protection (Type 3) - 3
(See dwg. no. RD1010)
- ② Inst. sediment barrier (Type 3)
(See dwg. no. RD1030)



LEGEND

- Inlet protection
- Sediment barrier, straw wattle
- Demolition & clearing limits
- Slope direction
- Flow Direction
- Permanent seeding



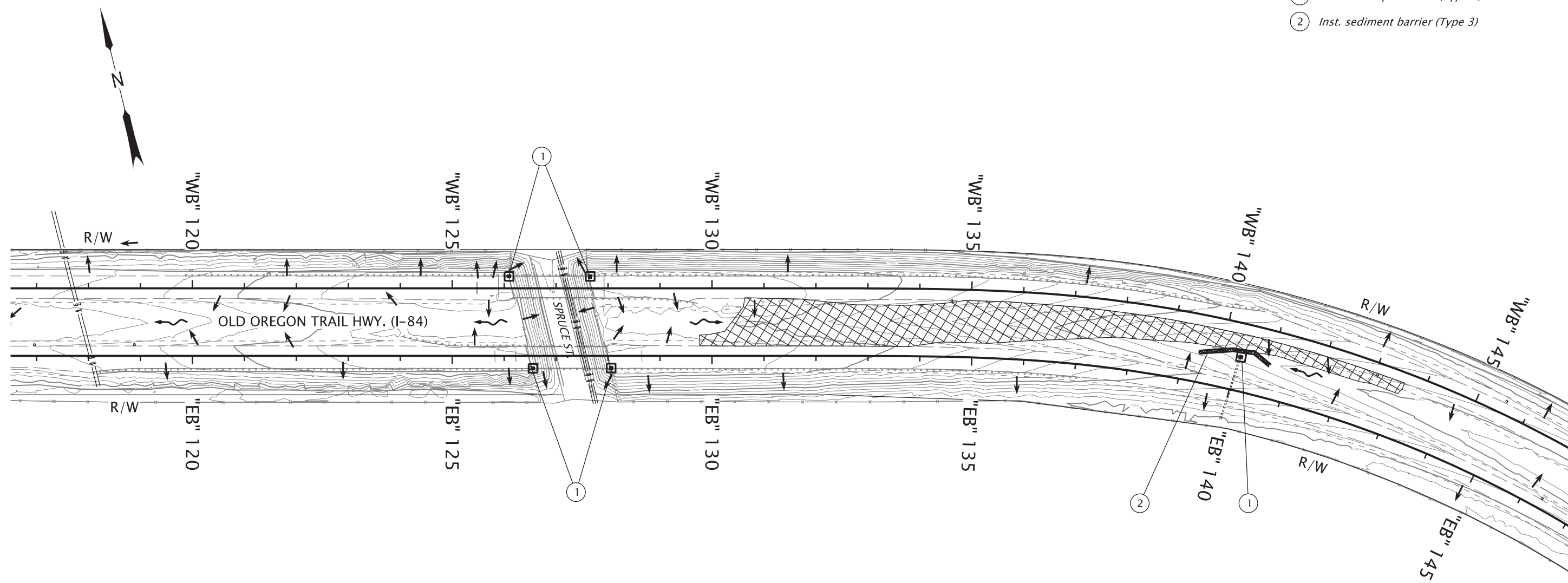
RENEWS: 12-31-2026

OREGON DEPARTMENT OF TRANSPORTATION 	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Lindsey M. McCullough CADD Tech: Stephen G. Winburn	Reviewer: Mark J. Kightlinger Checker: Mark J. Kightlinger
EROSION AND SEDIMENT CONTROL PLAN	
SHEET NO. FB01	

Phase 1: Demolition, Clearing, Grading, Excavation

CONSTRUCTION NOTES

- ① Const. inlet protection (Type 3) - 5
- ② Inst. sediment barrier (Type 3)



LEGEND

- Inlet protection
- Sediment barrier, straw wattle
- Demolition & clearing limits
- Slope direction
- Flow Direction
- Permanent seeding



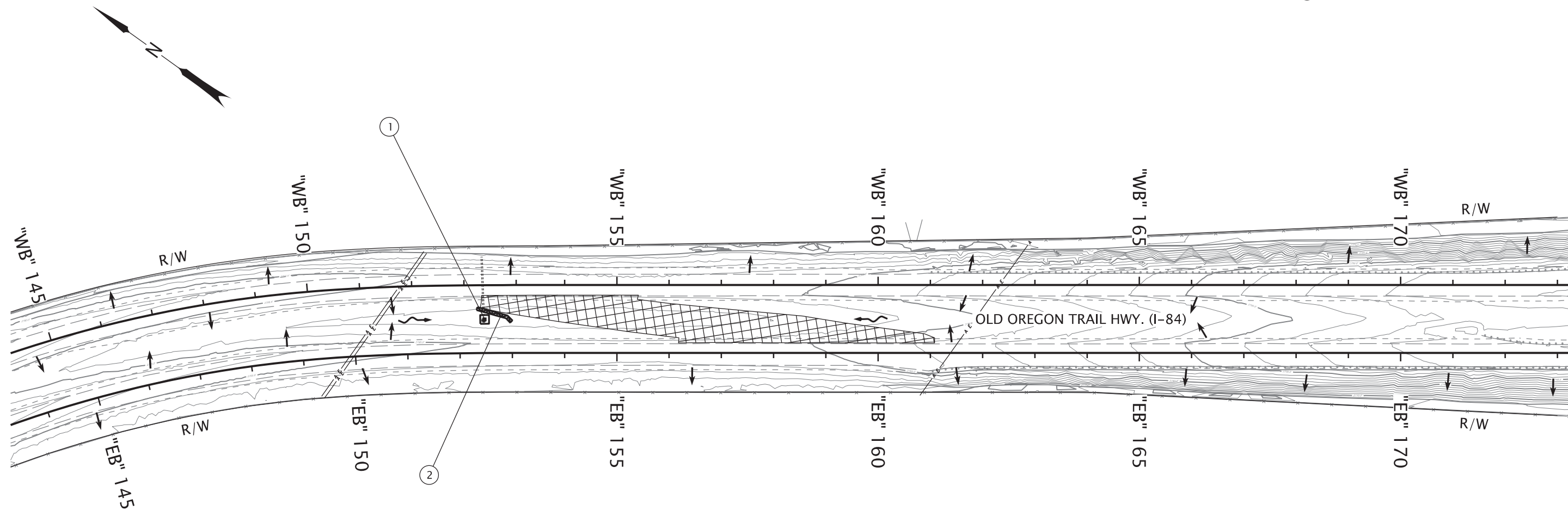
RENEWS: 12-31-2026

<p>OREGON DEPARTMENT OF TRANSPORTATION</p>	
<p>I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY</p>	
Designer: Lindsey M. McCullough CADD Tech: Stephen G. Winburn	Reviewer: Mark J. Kightlinger Checker: Mark J. Kightlinger
<p>EROSION AND SEDIMENT CONTROL PLAN</p>	
SHEET NO. FB02	

Phase 1: Demolition, Clearing, Grading, Excavation

CONSTRUCTION NOTES

- ① Const. inlet protection (Type 3)
- ② Inst. sediment barrier (Type 3)



LEGEND

- Inlet protection
- Sediment barrier, straw wattle
- Demolition & clearing limits
- Slope direction
- Flow Direction
- Permanent seeding



RENEWS: 12-31-2026

OREGON DEPARTMENT OF TRANSPORTATION



I-84: BRIDGES OVER NORTH SPRUCE STREET
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OLD OREGON TRAIL HIGHWAY
UNION COUNTY

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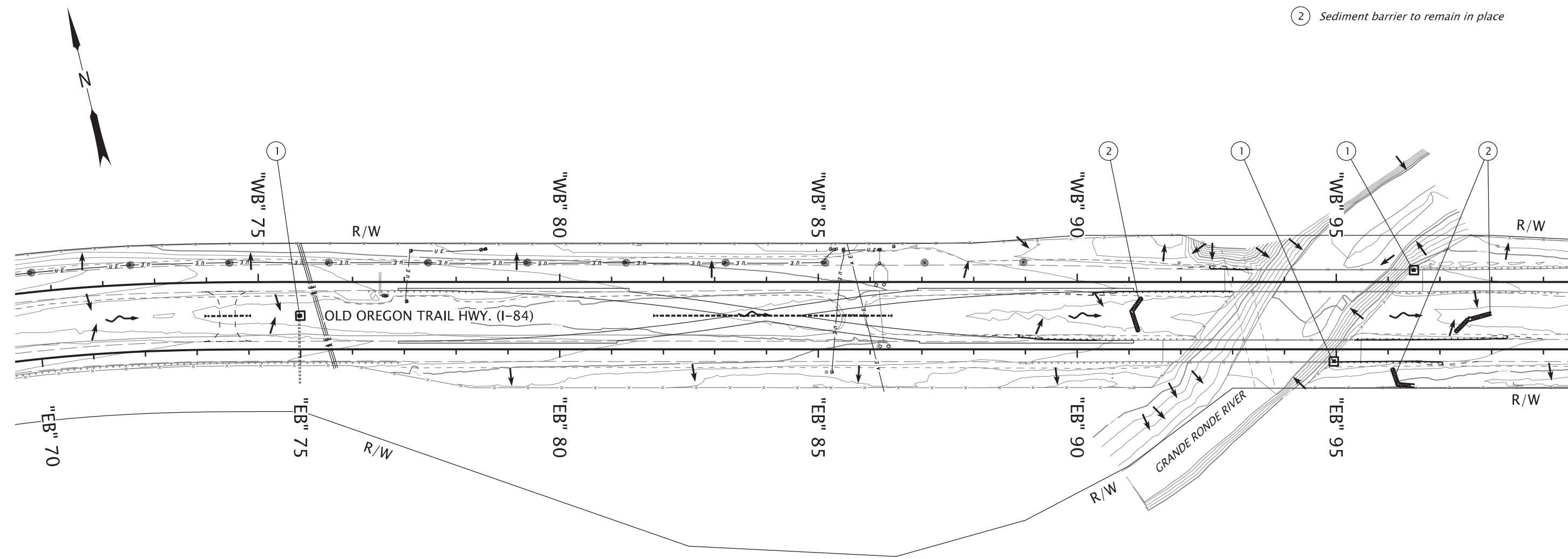
EROSION AND SEDIMENT CONTROL PLAN

SHEET NO.
FB03

Phase 2: Street & Utilities

CONSTRUCTION NOTES

- ① Inlet protection to remain in place
- ② Sediment barrier to remain in place



LEGEND

- Inlet protection
- Sediment barrier, straw wattle
- Demolition & clearing limits
- Slope direction
- Flow Direction
- Permanent seeding

OREGON DEPARTMENT OF TRANSPORTATION 	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Lindsey M. McCullough	Reviewer: Mark J. Kightlinger
CADD Tech: Stephen G. Winburn	Checker: Mark J. Kightlinger
EROSION AND SEDIMENT CONTROL PLAN	
SHEET NO. FB04	

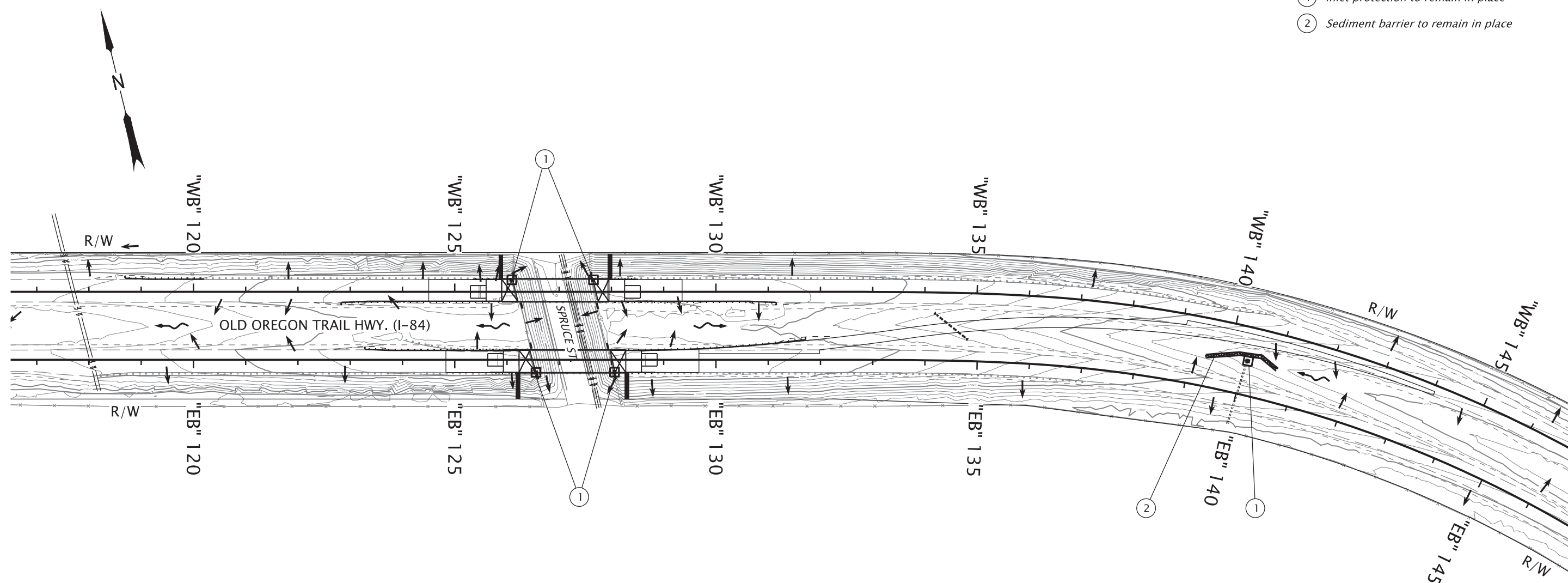
RENEWS: 12-31-2026

FINAL ELECTRONIC DOCUMENT
AVAILABLE UPON REQUEST

Phase 2: Street & Utilities

CONSTRUCTION NOTES

- ① Inlet protection to remain in place
- ② Sediment barrier to remain in place



LEGEND

- Inlet protection
- Sediment barrier, straw wattle
- Demolition & clearing limits
- Slope direction
- Flow Direction
- Permanent seeding

<p>OREGON DEPARTMENT OF TRANSPORTATION</p>	
<p>I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY</p>	
Designer: Lindsey M. McCullough CADD Tech: Stephen G. Winburn	Reviewer: Mark J. Kightlinger Checker: Mark J. Kightlinger
<p>EROSION AND SEDIMENT CONTROL PLAN</p>	
SHEET NO. FB05	

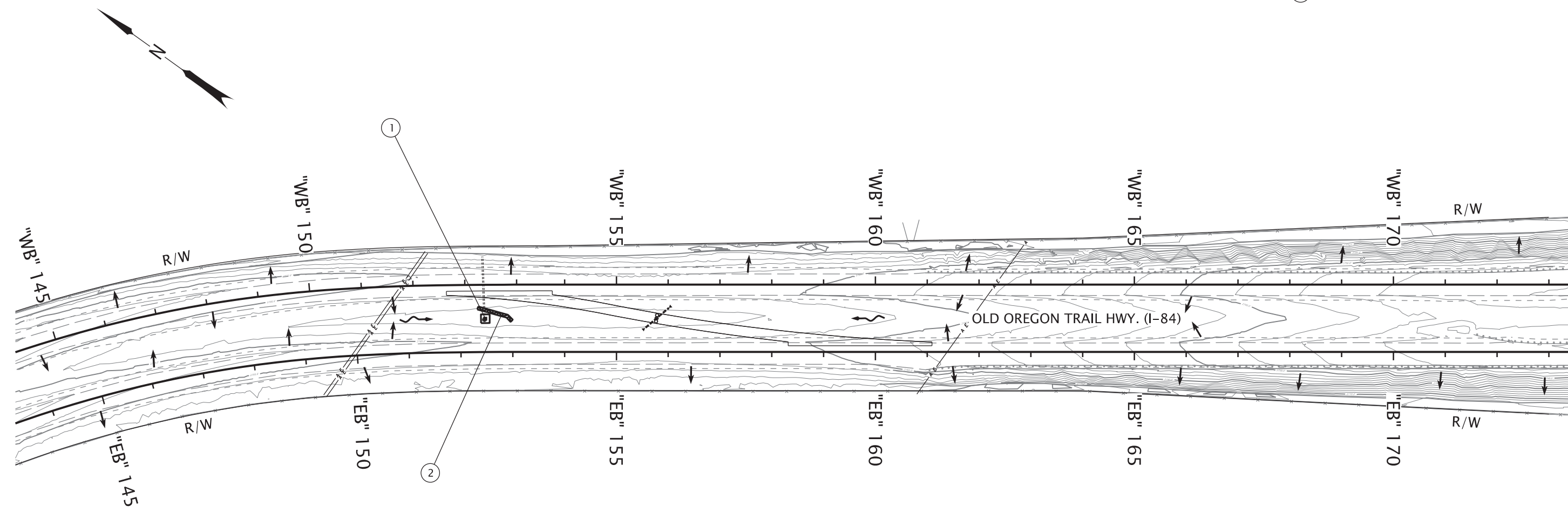
RENEWS: 12-31-2026

FINAL ELECTRONIC DOCUMENT
 AVAILABLE UPON REQUEST

Phase 2: Street & Utilities

CONSTRUCTION NOTES

- ① Inlet protection to remain in place
- ② Sediment barrier to remain in place



LEGEND

- Inlet protection
- Sediment barrier, straw wattle
- Demolition & clearing limits
- Slope direction
- Flow Direction
- Permanent seeding

RENEWS: 12-31-2026

OREGON DEPARTMENT OF TRANSPORTATION



**I-84: BRIDGES OVER NORTH SPRUCE STREET
(LA GRANDE) PROJECT**
 OLD OREGON TRAIL HIGHWAY
 UNION COUNTY

Designer: Lindsey M. McCullough Reviewer: Mark J. Kightlinger
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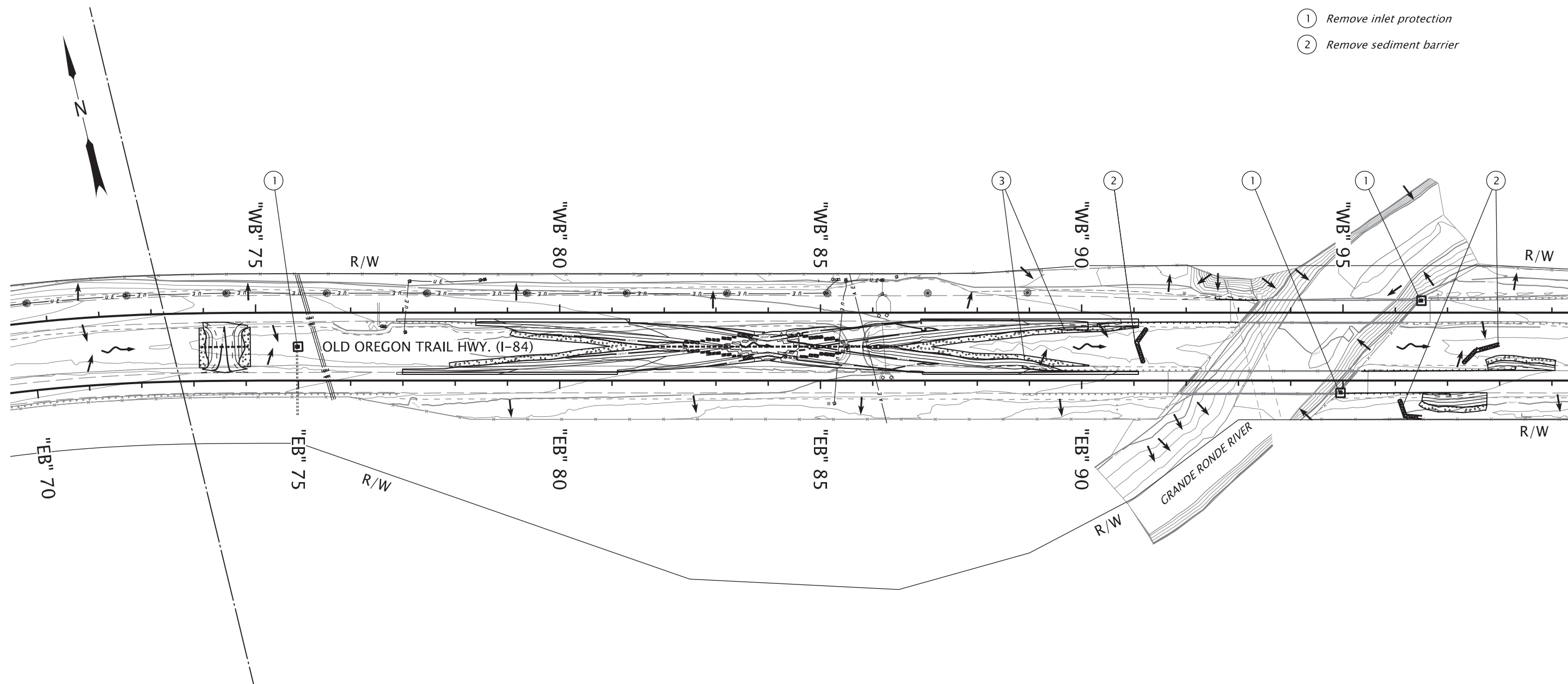
EROSION AND SEDIMENT CONTROL PLAN

SHEET NO.
 FB06







Final Stabilization

CONSTRUCTION NOTES

- ① Remove inlet protection
- ② Remove sediment barrier




LEGEND

-  Inlet protection
-  Sediment barrier, straw wattle
-  Demolition & clearing limits
-  Slope direction
-  Flow Direction
-  Permanent seeding


 REGISTERED PROFESSIONAL ENGINEER
 97542PE
 Digitally Signed 2026.03.17 08:20:56 -07'00'
 OREGON
 JULY 13, 2021
 LINDSEY M. MCCULLOUGH

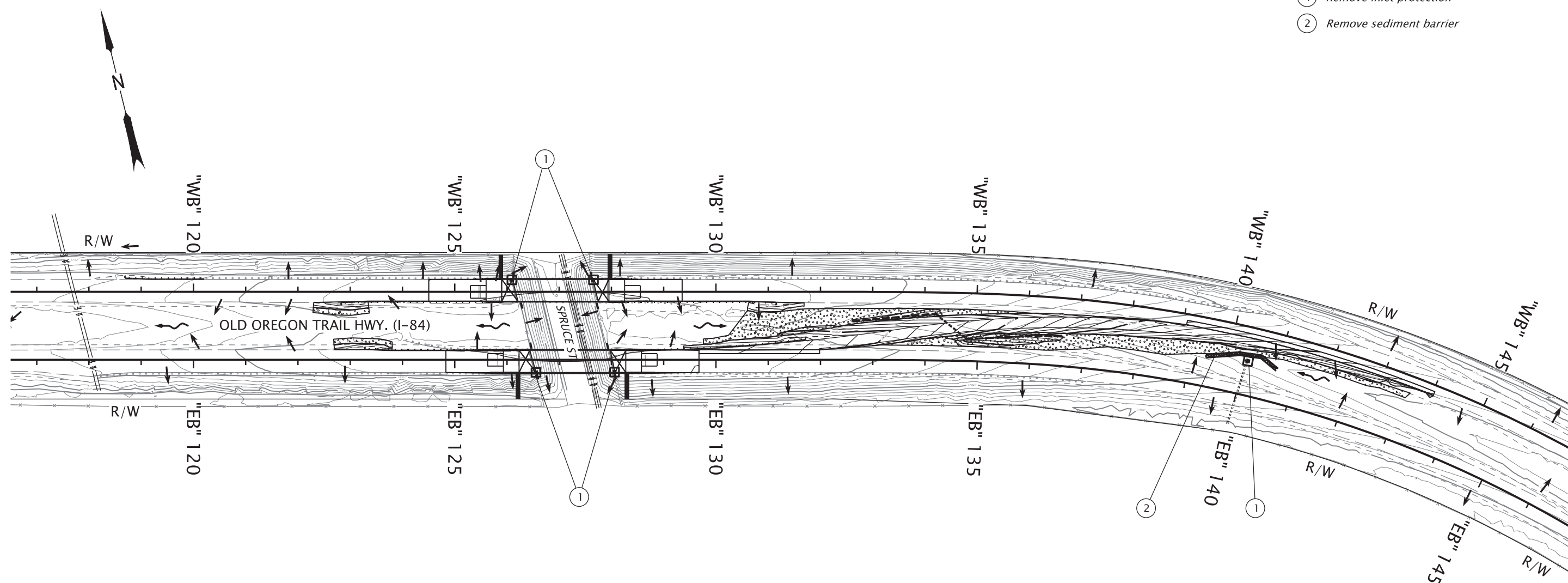
RENEWS: 12-31-2026

 OREGON DEPARTMENT OF TRANSPORTATION	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Lindsey M. McCullough CADD Tech: Stephen G. Winburn	Reviewer: Mark J. Kightlinger Checker: Mark J. Kightlinger
EROSION AND SEDIMENT CONTROL PLAN	
SHEET NO. FB07	

Final Stabilization

CONSTRUCTION NOTES

- ① Remove inlet protection
- ② Remove sediment barrier



LEGEND

- Inlet protection
- Sediment barrier, straw wattle
- Demolition & clearing limits
- Slope direction
- Flow Direction
- Permanent seeding

RENEWS: 12-31-2026

OREGON DEPARTMENT OF TRANSPORTATION



I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT
 OLD OREGON TRAIL HIGHWAY
 UNION COUNTY

Designer: Lindsey M. McCullough Reviewer: Mark J. Kightlinger
 CADD Tech: Stephen G. Winburn Checker: Mark J. Kightlinger

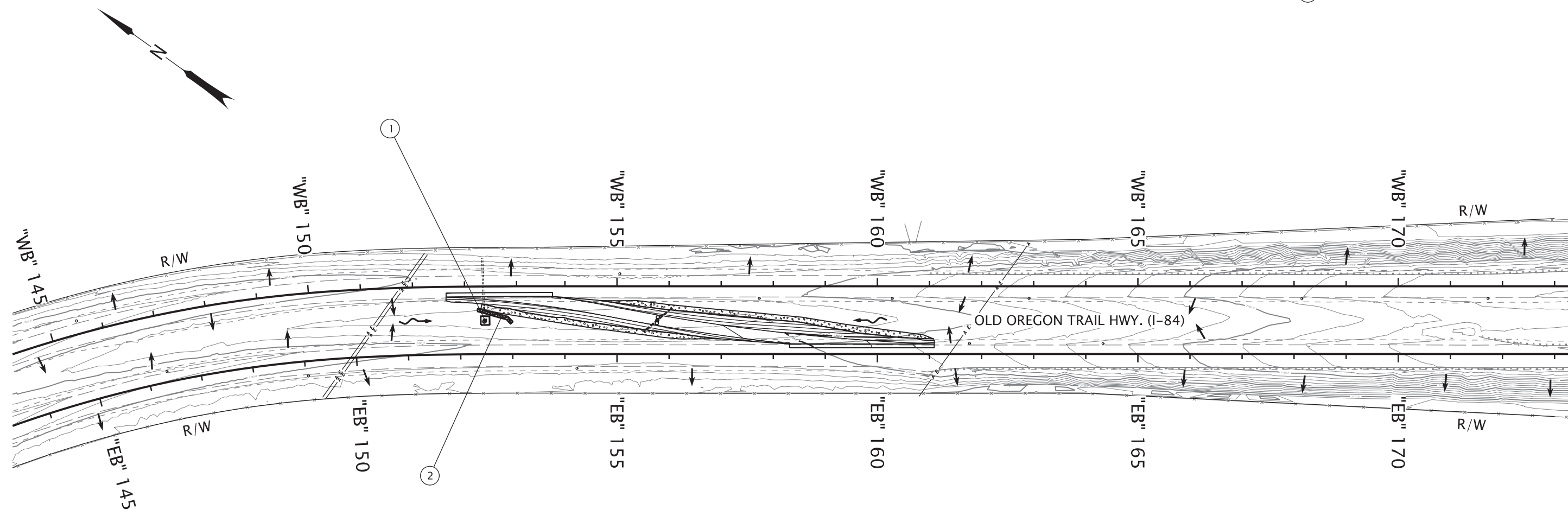
EROSION AND SEDIMENT CONTROL PLAN

SHEET NO.
FB08

Final Stabilization

CONSTRUCTION NOTES

- ① Remove inlet protection
- ② Remove sediment barrier



LEGEND

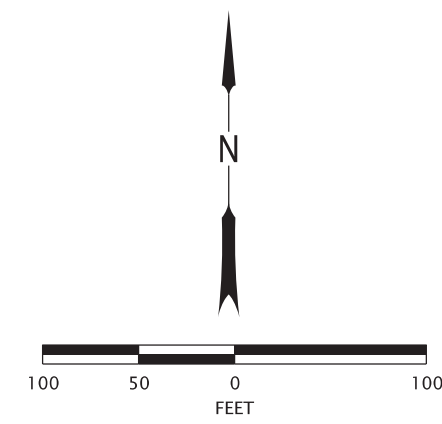
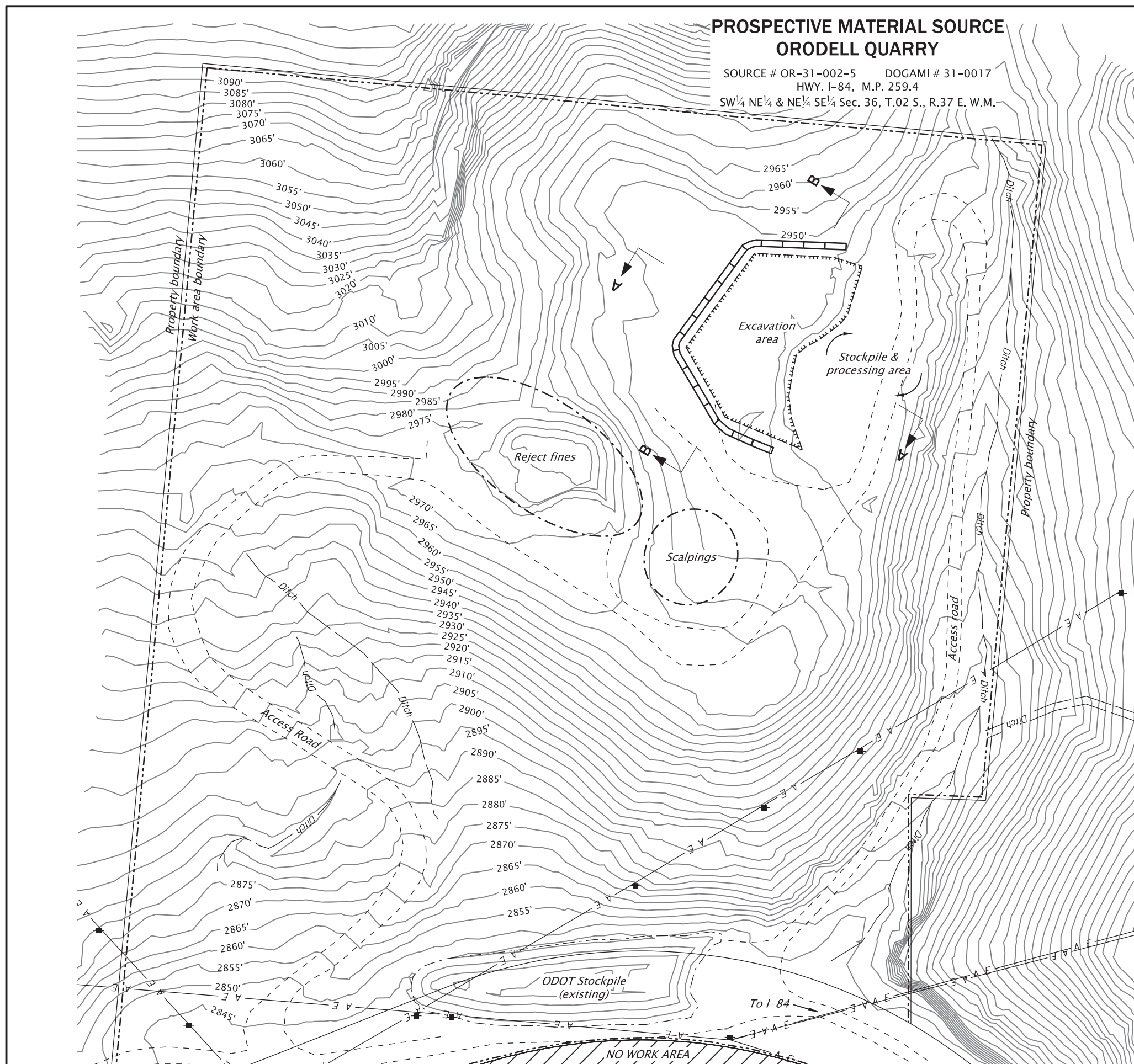
- Inlet protection
- Sediment barrier, straw wattle
- Demolition & clearing limits
- Slope direction
- Flow Direction
- Permanent seeding

RENEWS: 12-31-2026

<p>OREGON DEPARTMENT OF TRANSPORTATION</p>	
<p>I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY</p>	
<p>Designer: Lindsey M. McCullough CADD Tech: Stephen G. Winburn</p>	<p>Reviewer: Mark J. Kightlinger Checker: Mark J. Kightlinger</p>
<p>EROSION AND SEDIMENT CONTROL PLAN</p>	
<p>SHEET NO. FB09</p>	

PROSPECTIVE MATERIAL SOURCE ORODELL QUARRY

SOURCE # OR-31-002-5 DOGAMI # 31-0017
HWY. I-84, M.P. 259.4
SW¼ NE¼ & NE¼ SE¼ Sec. 36, T.02 S., R.37 E. W.M.



LEGEND

- Work area boundary
- Excavation area
- Existing stockpile
- Proposed stockpile
- Existing access road
- Proposed safety berm
- Existing aboveground electrical utility
- No work area

- Notes:**
1. For cross sections shown, see sht. "GE02."
 2. For temporary sign placement on I-84 during source operations, see sht. "EB01" notes.
 3. Elevations show are based on North American Vertical Datum 1988 (NAVD88)



EXPIRES: 10-01-2026

OREGON DEPARTMENT OF TRANSPORTATION

**I-84: BRIDGES OVER NORTH SPRUCE STREET
(LA GRANDE) PROJECT**
OLD OREGON TRAIL HIGHWAY
UNION COUNTY

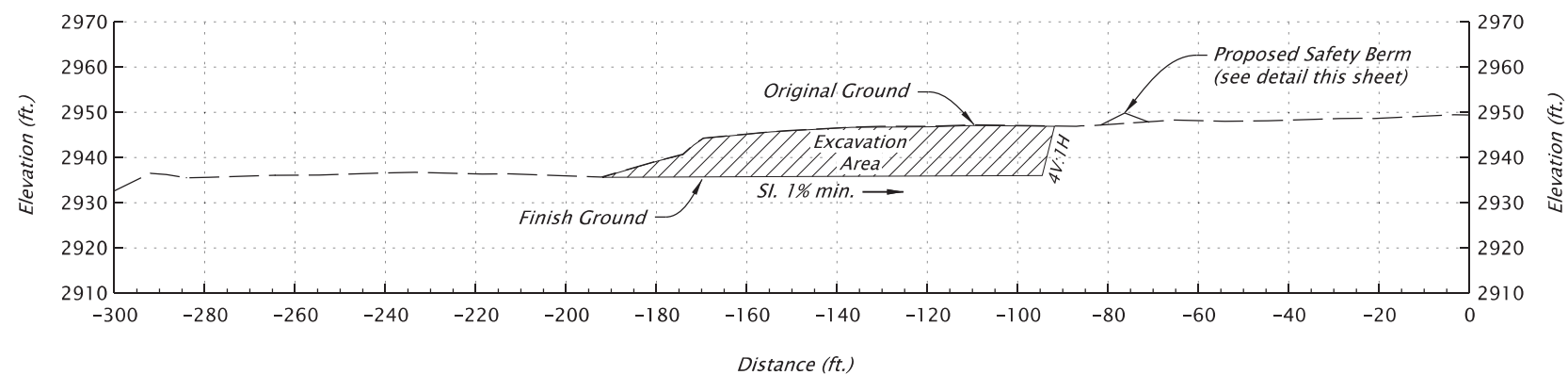
Designer: Micah Lederer Reviewer: Scott Billings
CADD Tech: Robert Lenea Checker: N/A

MATERIAL SOURCE SITE PLAN SHEET NO. GE01

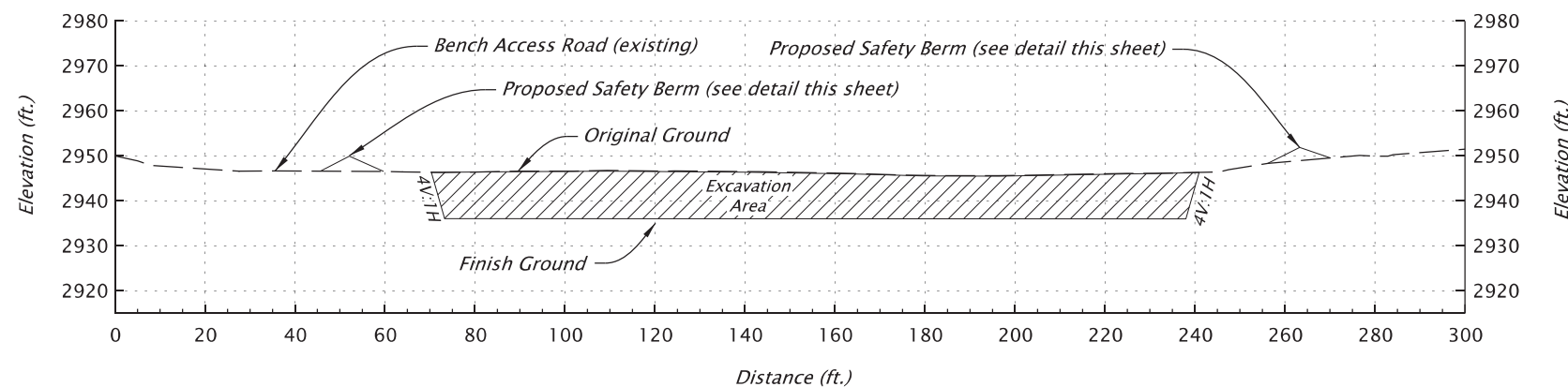
PROSPECTIVE MATERIAL SOURCE

ORODELL QUARRY

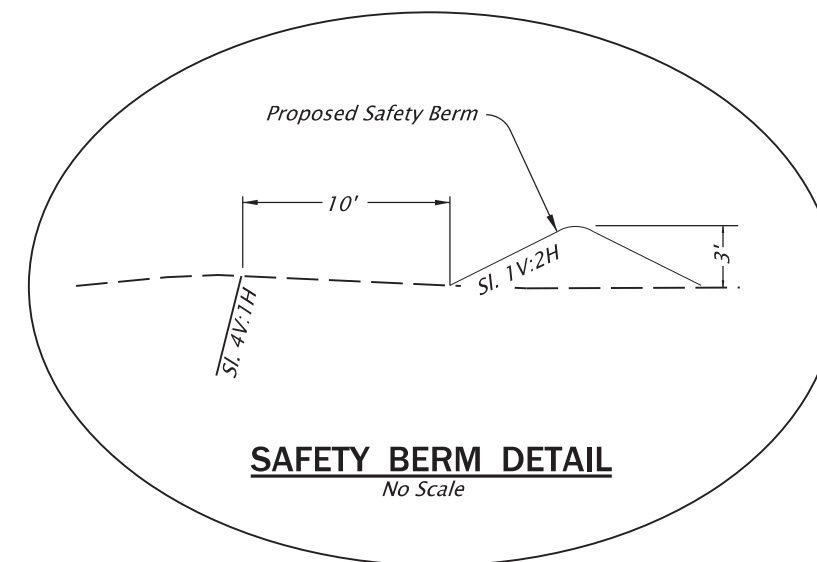
SOURCE # OR-31-002-5 DOGAMI # 31-0017
 HWY. I-84, M.P. 259.4
 SW¼ NE¼ & NE¼ SE¼ Sec. 36, T.02 S., R.37 E. W.M.



SECTION A-A
 SCALE: 1" = 40'



SECTION B-B
 SCALE: 1" = 40'



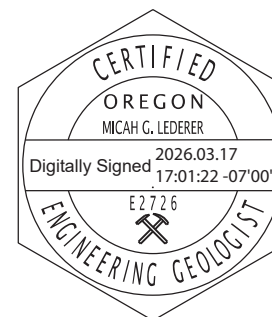
SAFETY BERM DETAIL
 No Scale

LEGEND

= Excavation Area

NOTES:

1. For location of cross sections, see sht. "GE01".
2. Elevations shown are based on North American Vertical Datum 1988 (NAVD88).



EXPIRES: 10-01-2026

OREGON DEPARTMENT OF TRANSPORTATION



**I-84: BRIDGES OVER NORTH SPRUCE STREET
 (LA GRANDE) PROJECT**
 OLD OREGON TRAIL HIGHWAY
 UNION COUNTY

Designer: Micah Lederer Reviewer: Scott Billings
 CADD Tech: Robert Lenea Checker: N/A

CROSS SECTIONS

SHEET NO.
 GE02

GENERAL NOTES:

DESIGN NOTES:

Work on Bridges 09630, 09630A, 09631, and 09631A is designed in accordance with the 2020 edition of the "AASHTO LRFD Bridge Design Specifications" and April 2025 edition of the "Oregon Bridge Design Manual", in the Bridge Design Category 'Bridge Retrofit', as modified by the following:
Design Deviation 22930-01

TEMPORARY WORKS NOTES:

Provide falsework, temporary work access and containment for bridge rail and protective fencing. Containment and work platforms shall not extend below bottom of existing structure, as specified.

RESIN BONDED ANCHOR NOTES:

Provide and install 7/8" diameter ASTM F1554 Grade 105 resin bonded anchors with epoxy resin from the QPL. The characteristic bond stress used in the design is 1,300 psi. The minimum pullout strength for proof testing is 27,000 lbs with a minimum effective embedment (hef) of 7.5in. Install anchors according to the manufacturer's recommendations.

CONSTRUCTION NOTES:

No utility conflicts anticipated.

Use the following chart when minimum concrete strength required is 3.3 ksi:

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

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

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

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

db = bar diameter.

Use the following chart when minimum concrete strength required is 4.5 ksi:

Reinforcing Splice Lengths (Class B) Grade 60 f'c = 4.5 ksi, λrc = 0.4, 2in min. concrete clear cover										
Bar Size	#3	#4	#5	#6	#7	#8	#9	#10	#11	#14 & #18
Uncoated	1'-4"	1'-6"	1'-11"	2'-3"	2'-7"	3'-0"	3'-4"	3'-9"	4'-2"	Not permitted
Coated (1)	1'-4"	1'-10"	2'-3"	2'-8"	3'-2"	3'-7"	4'-0"	4'-6"	5'-0"	Not permitted
Coated (2)	1'-8"	2'-3"	2'-10"	3'-4"	3'-11"	4'-5"	5'-0"	5'-8"	6'-3"	Not permitted

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

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

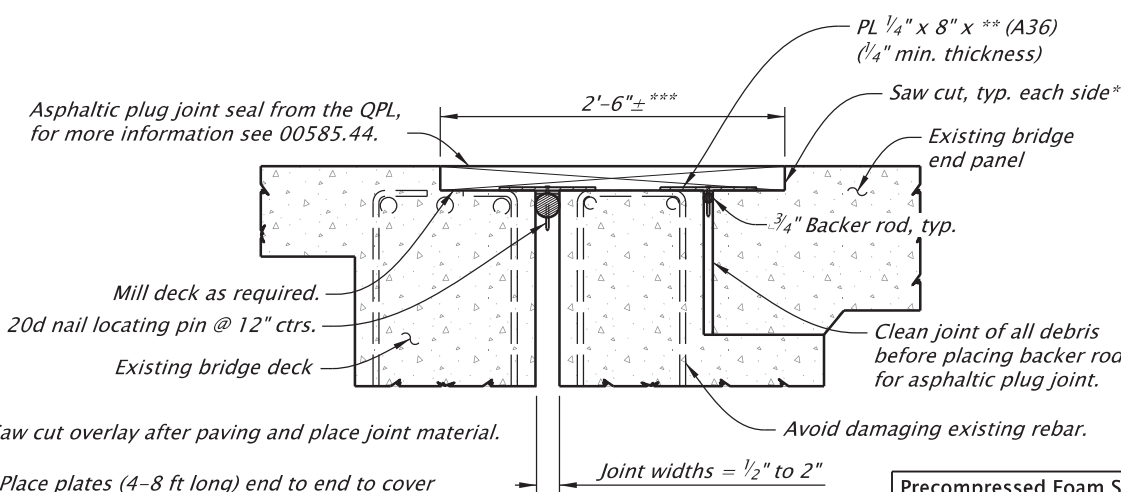
Increase all splice lengths 30% for horizontal or nearly horizontal bars so placed that more than 12" of fresh concrete is cast below the bar.

Splice reinforcing steel at alternate bars, staggered at least one splice length or as far as possible, unless shown otherwise.

db = bar diameter.

For Staging and Traffic Control, see Traffic Control Plans sht. A02.

Provide Class 2 Preparation on the bridge deck and bridge approach slabs prior to Stage 1, as directed.



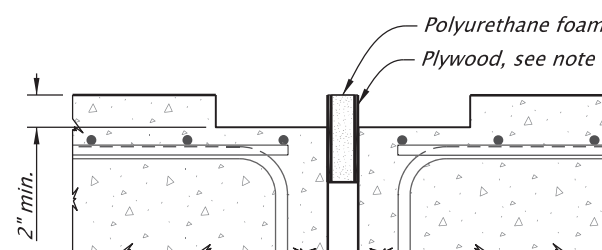
* Saw cut overlay after paving and place joint material.

** Place plates (4-8 ft long) end to end to cover entire joint. Do not overlap. Secure plates with locating pins. Avoid placing plate ends under wheel rut area.

*** 1"-8"± at drains

ASPHALTIC JOINT REPAIR

Scale: 1"=1'-0"



NOTE:

Blockout joint with sandwich of polyurethane foam and 1/4" to 1/2" plywood as shown prior to placing elastomeric concrete nosing.

PROPOSED TEMPORARY BLOCKOUT

Scale: 1"=1'-0"

JOINT NOTES:

Blockout joint with temporary blockout prior to placing elastomeric concrete nosing. See detail this sheet.

Prepare joint surfaces and install precompressed foam silicone joint seal, including bend joint, according to the manufacturer's recommendations.

Use factory-fabricated bend for inside corner at gutter line.

Field-cut bend for outside corner is acceptable.

Joint setting = 3/4" @ 47° F. Joint width varies 1/8" per 10° F change in temperature.

BRIDGE APPROACH SLAB NOTES:

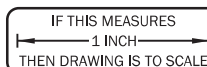
Provide epoxy coated reinforcing in Bridge Approach Slabs. Do not pave Bridge approach slabs. Perform surface texturing.

BRIDGE APPROACH SLEEPER SLAB NOTES:

Provide Class 3300 - 3/4", 1", or 1 1/2" or HPC-IC 4500 - 3/4", 1" or 1 1/2" concrete. Perform surface texturing.

STRUCTURAL OVERLAY NOTES:

Provide Class HPC-IC 4500 - 3/4" concrete. Perform surface texturing.

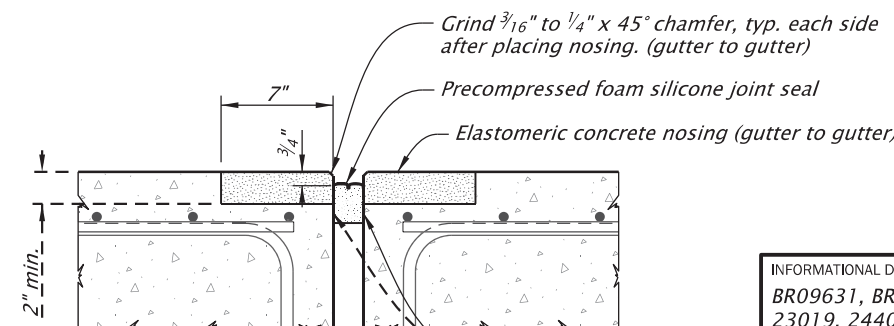


Precompressed Foam Silicone Joint Seal

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

STRUCTURES:

09631 Hwy 6 WB over N Spruce St (La Grande)
09631A Hwy 6 EB over N Spruce St (La Grande)

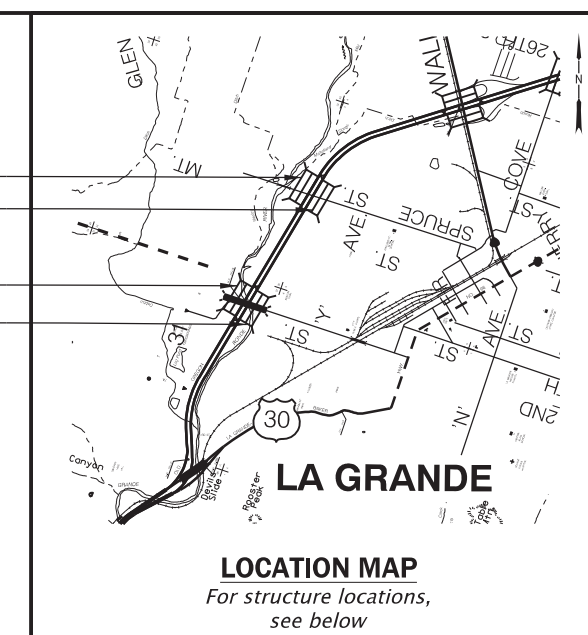


NOTE:

Elastomeric concrete nosing may be omitted, when concrete joint surfaces are in good condition.

NON-ARMORED JOINT SECTION

Scale: 1"=1'-0"



LOCATION MAP

For structure locations, see below

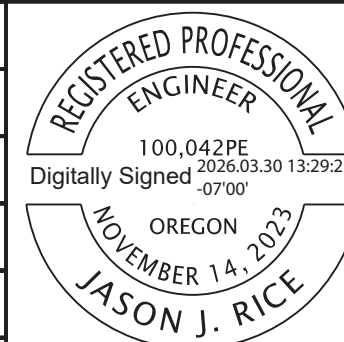
- A SEC. 32, T. 2 S., R. 38 E., W.M. LAT. 45.340452, LONG. -118.086433
- B SEC. 32, T. 3 S., R. 38 E., W.M. LAT. 45.340075, LONG. -118.086433
- C SEC. 31, T. 2 S., R. 38 E., W.M. LAT. 45.342527, LONG. -118.098708
- D SEC. 31, T. 2 S., R. 38 E., W.M. LAT. 45.342202, LONG. -118.098997

INFORMATIONAL DWGS. / EXIST. BRIDGE DWGS:
BR09631, BR09631A:
23019, 24405, 61493
BR09630, BR0963A:
23999, 24420, 24423, 244424, 61492, 62196, 91227

REFERENCE STD. DWGS.:
BR157, BR165, BR195, BR200, BR203, BR290, BR291, BR500

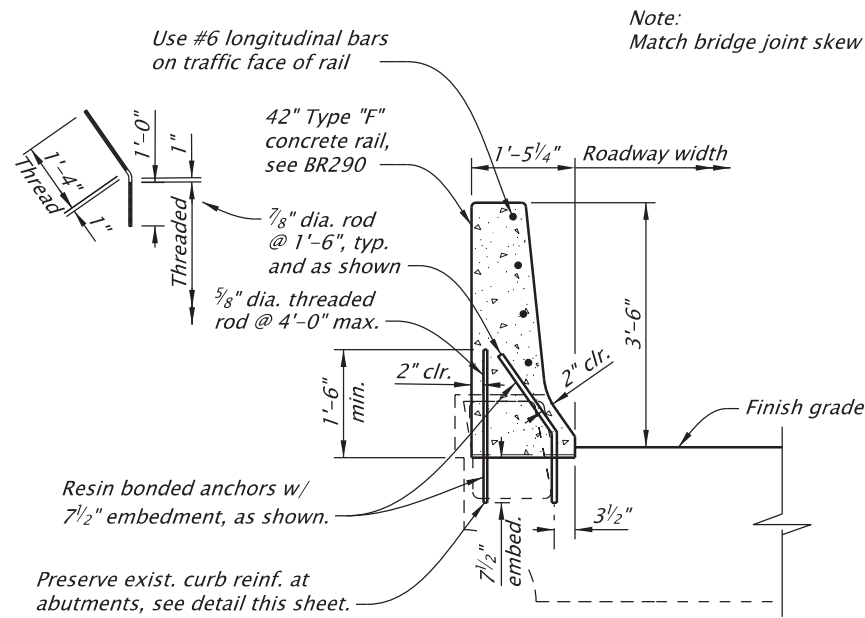
ACCOMPANIED BY DWGS.:
J02, J03, J04, JA01, JB01, JC01, JD01

STRUCTURE NO. 09630/A 09631/A
BDS DWG NO. 114060
CALC. BOOK 7920
HWY: Varies M.P.: Varies
COUNTY UNION
DATE 02/2026

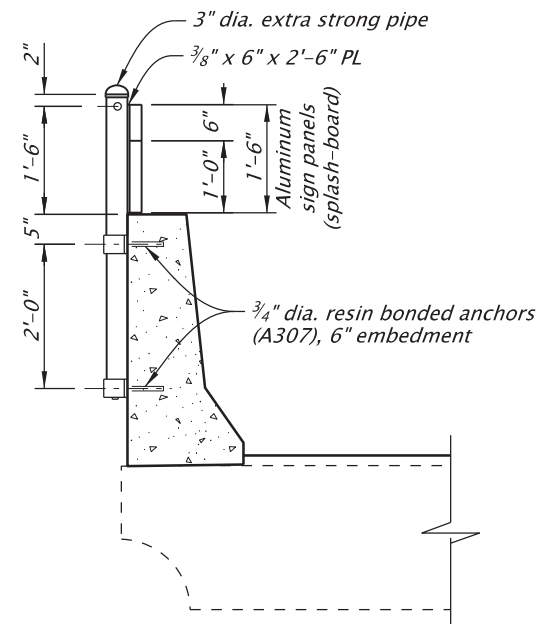


RENEWS: 12-31-2026

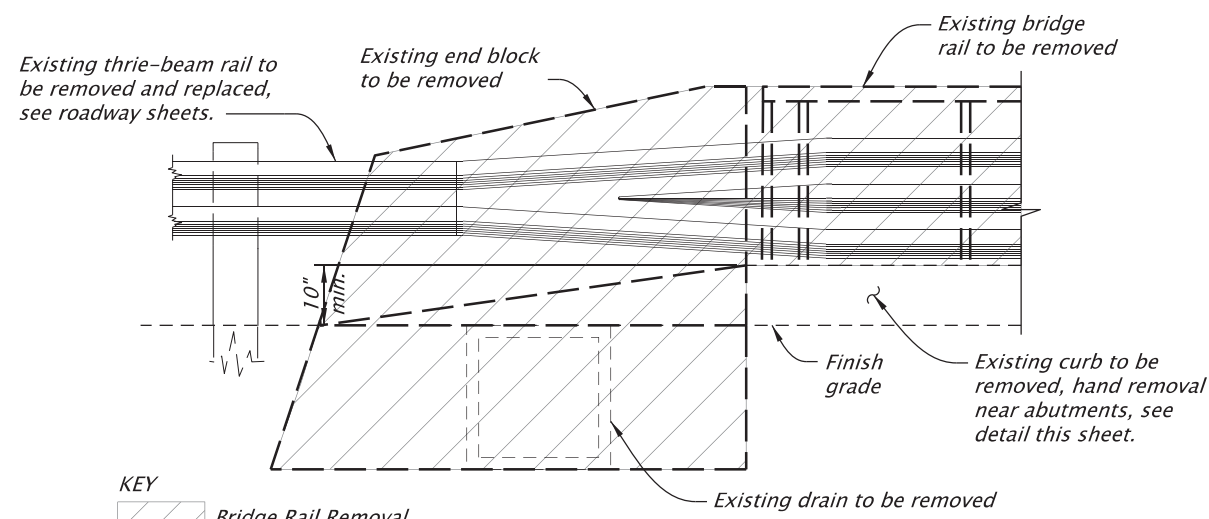
<p>OREGON DEPARTMENT OF TRANSPORTATION</p>	
<p>HWY 6 EB/WB OVER N SPRUCE ST</p>	
<p>I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY</p>	
Designer: Jason Rice, PE	Reviewer: George Bornstedt, PE
CADD Tech: James Schaefer	Checker: Luke Teubel, PE
<p>LOCATION MAP GENERAL NOTES AND MISCELLANEOUS DETAILS</p>	
<p>SHEET NO. J01</p>	



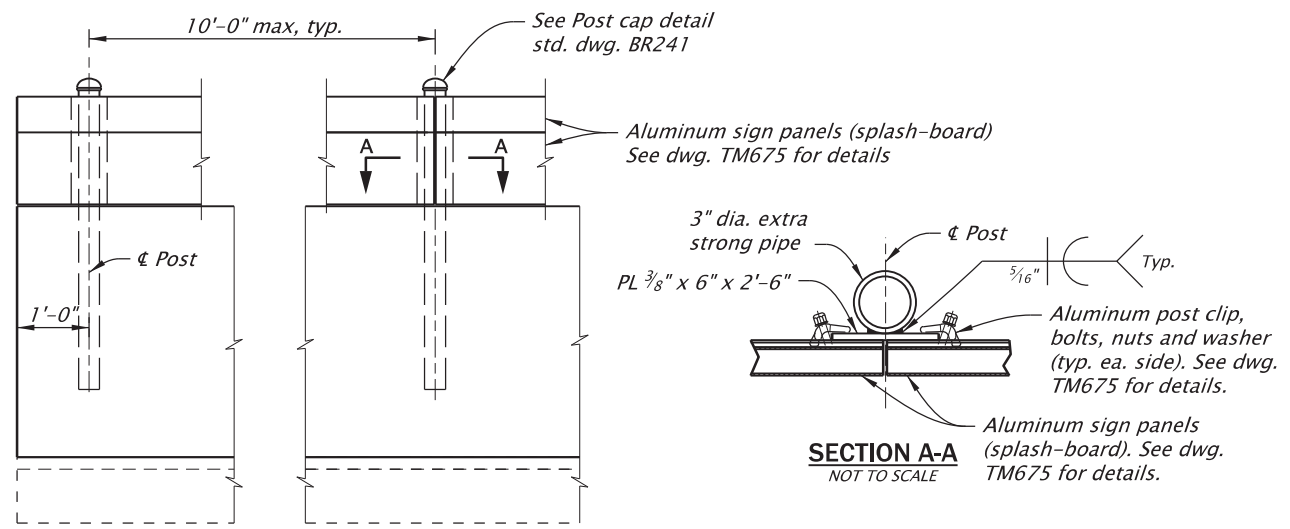
RESIN BONDED RAIL ANCHOR SECTION
Scale: 3/8" = 1'-0"



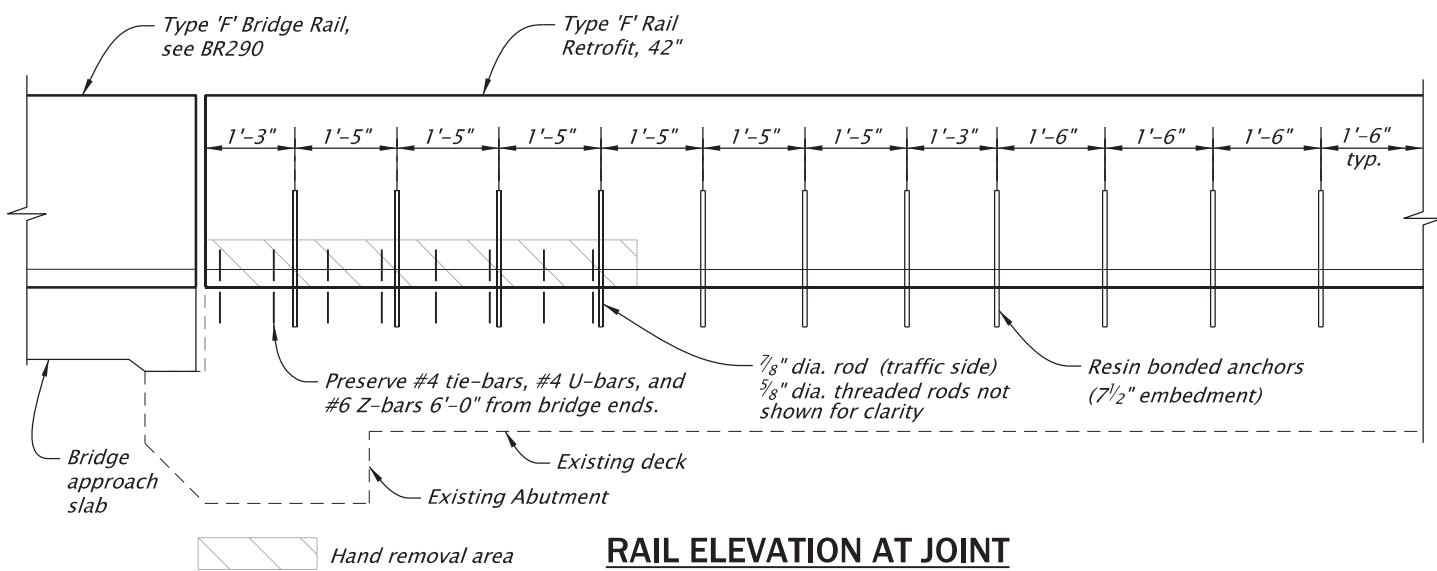
SPASH BOARD DETAIL
Scale: 3/8" = 1'-0"



BRIDGE RAIL REMOVAL DETAIL
Scale: 3/8" = 1'-0"
KEY: Bridge Rail Removal
NOTES: Preserve and protect existing bridge deck and beam ledges.



ELEVATION AT DECK JOINTS WITH SPLASH BOARD
Scale: 3/8" = 1'-0"



RAIL ELEVATION AT JOINT
Scale: 3/8" = 1'-0"

GENERAL NOTES:
Install all fence posts normal to grade in the longitudinal direction and plumb in transverse direction.
Provide steel pipe for the fence posts conforming to ASTM Specification A53 Grade B. Provide all other material conforming to AASHTO Specification M181 unless noted otherwise on the contract plans.
Provide all steel plates and shapes conforming to AASHTO Specification M183 (ASTM Specification A36). Provide all bolts conforming to AASHTO Specification M164 (ASTM Specification A325).

Provide and install 3/4" diameter resin bonded concrete anchors with a minimum embedment of 6" according to AASHTO M314, Gr. 36 (ASTM A307) and according to ODOT Specification 00535.
Hot-dip galvanize all steel materials after fabrication. Powder coat black as specified.
Provide high early strength epoxy resin for all dowels and anchors.

STRUCTURE NO.	09631/A
BDS DWG NO.	114061
CALC. BOOK	7920
HWY: Varies	
M.P.: Varies	
COUNTY	UNION
DATE	02/2026

REGISTERED PROFESSIONAL ENGINEER
100,042PE
Digitally Signed 2026.03.30 13:30:28 -07'00'
OREGON
NOVEMBER 14, 2023
JASON J. RICE
RENEWS: 12-31-2026

OREGON DEPARTMENT OF TRANSPORTATION
HWY 6 EB/WB OVER N SPRUCE ST
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT
OLD OREGON TRAIL HIGHWAY UNION COUNTY
Designer: Jason Rice, PE
CADD Tech: James Schaefer
Reviewer: George Bornstedt, PE
Checker: Luke Teubel, PE
SHEET NO. J02

IF THIS MEASURES 1 INCH THEN DRAWING IS TO SCALE

FINAL ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST

SLEEPER SLAB NOTES:
 See Bridge Plans for approach slab, expansion joint, and bridge rail. See roadway Plans for roadway pavement and guardrail transition details.

Sleeper slab is designed for HL-93 loading according to AASHTO LRFD 9th edition Bridge Design Specifications with an allowance of 40 psf for wearing surface on approach slab and approach pavement.

Provide reinforcing steel conforming to AASHTO Specification M31 (ASTM A615) Gr. 60 or A706. Use the following splice lengths:

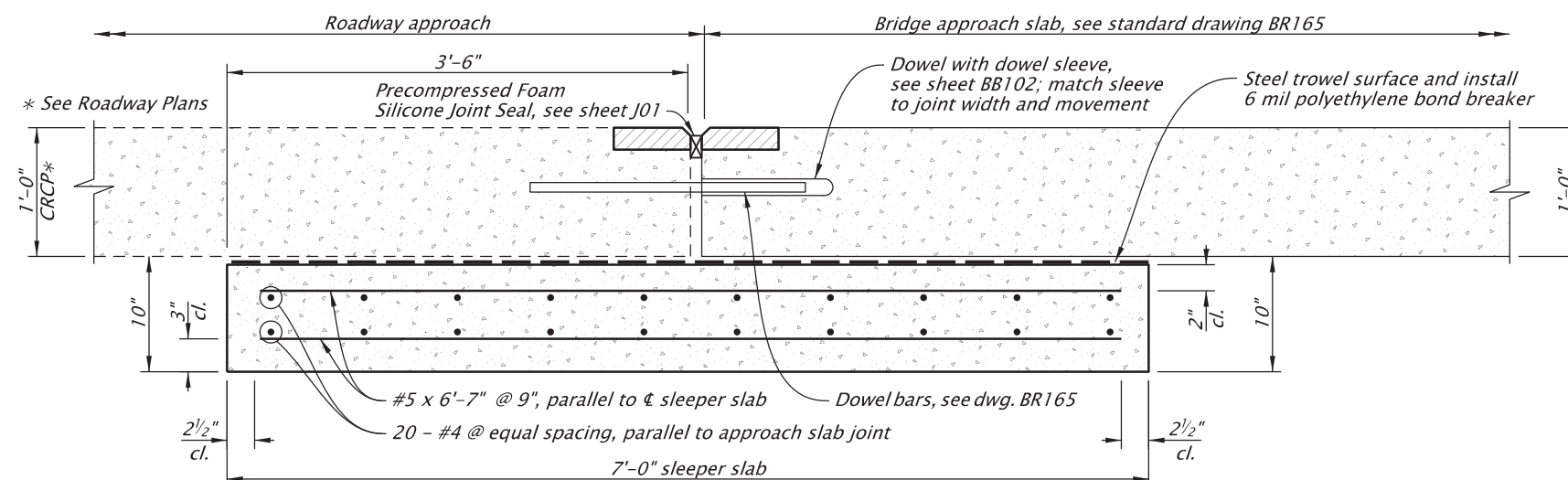
See Roadway Plans for pavement removal.

Provide expansion capacity in dowel bars to match or exceed joint width.

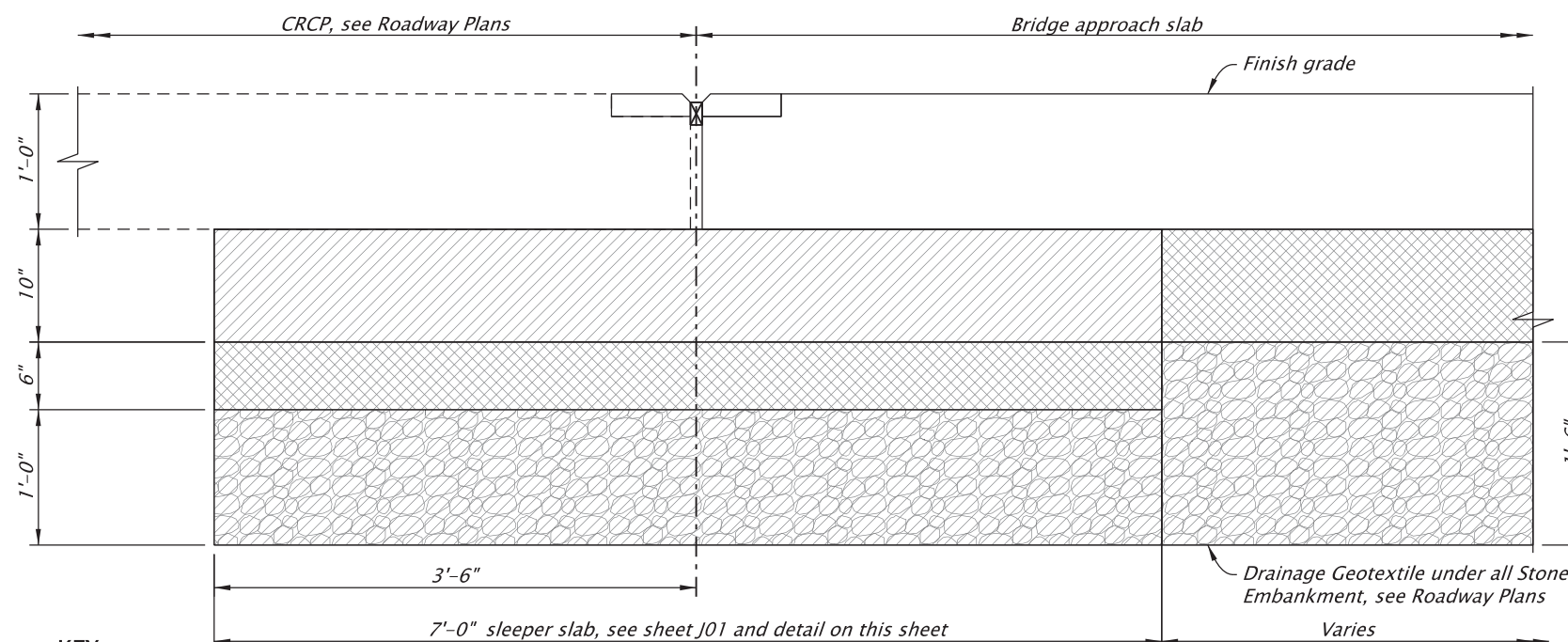
Dowel bar expansion sleeves may be in either the bridge approach slab or the approach slab.

Perform surface texturing on bridge approach slab.

Do not pave bridge approach slabs.



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



PAY LIMIT DIAGRAM
 Scale: 3/4"=1'-0"

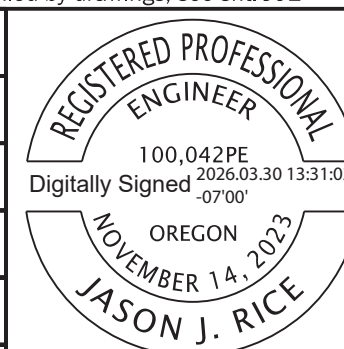
- KEY**
- Structure Excavation
 - Granular Structure Backfill
 - Stone Embankment, by Roadway

NOTES:
 See Roadway Plans for excavation and backfill not shown.

IF THIS MEASURES
 1 INCH
 THEN DRAWING IS TO SCALE

For accompanied by drawings, see sht. J01

STRUCTURE NO. 09631/A
BDS DWG NO. 114062
CALC. BOOK 7920
HWY: Varies M.P.: Varies
COUNTY UNION
DATE 02/2026



RENEWS: 12-31-2026

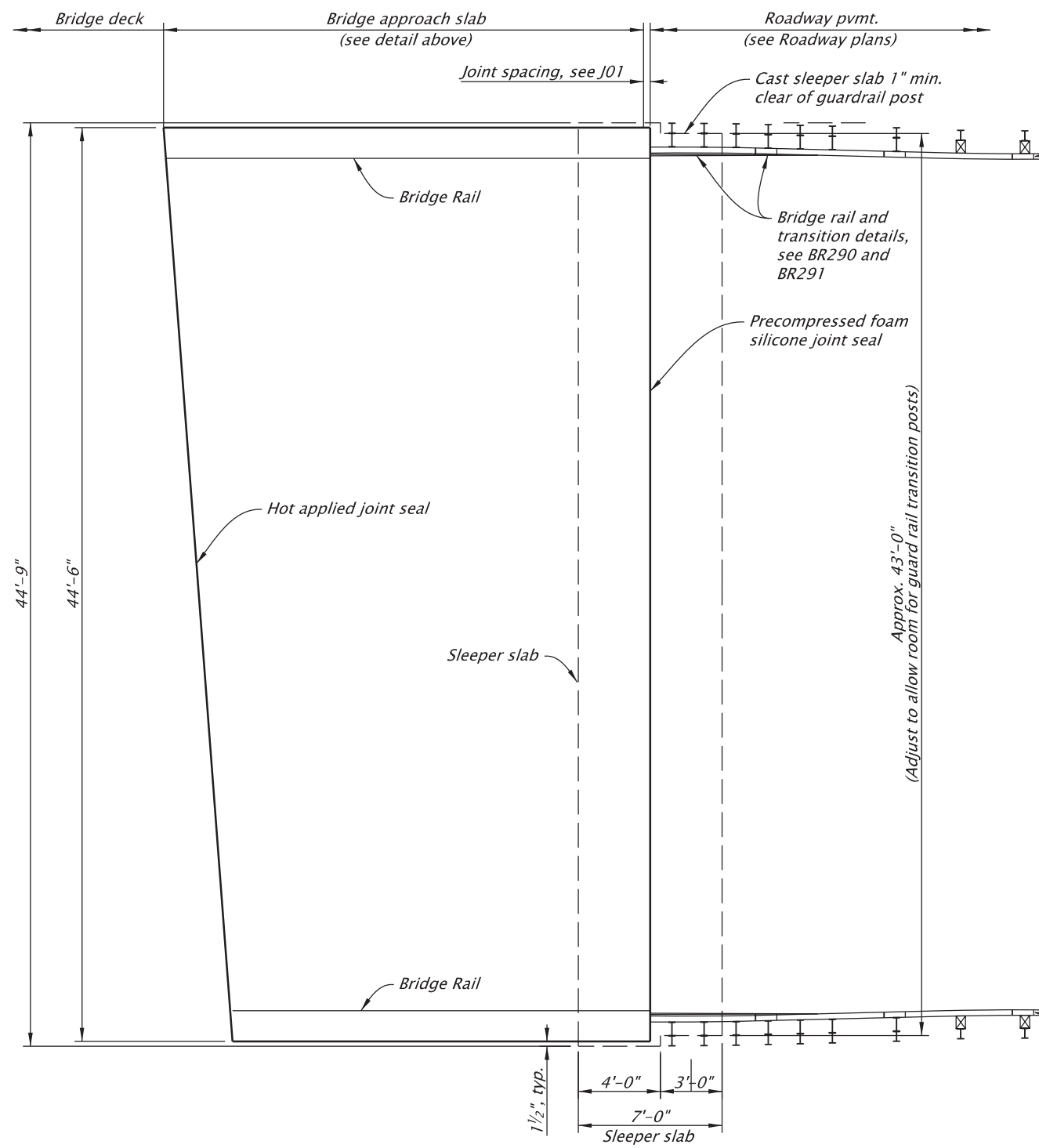
OREGON DEPARTMENT OF TRANSPORTATION 	
HWY 6 EB/WB OVER N SPRUCE ST I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Jason Rice, PE	Reviewer: George Bornstedt, PE
CADD Tech: James Schaefer	Checker: Luke Teubel, PE
SLEEPER SLAB DETAILS	
SHEET NO. J03	

NOTES:
For staging, see Traffic Control Plans sheet A02.

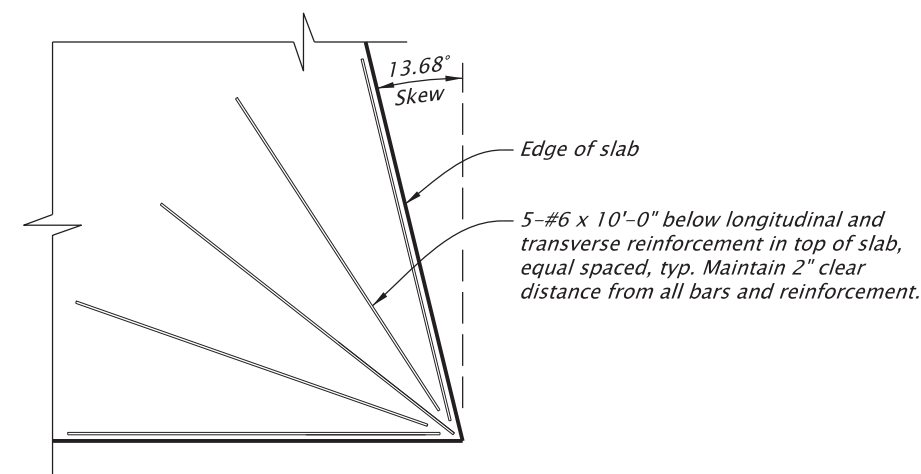
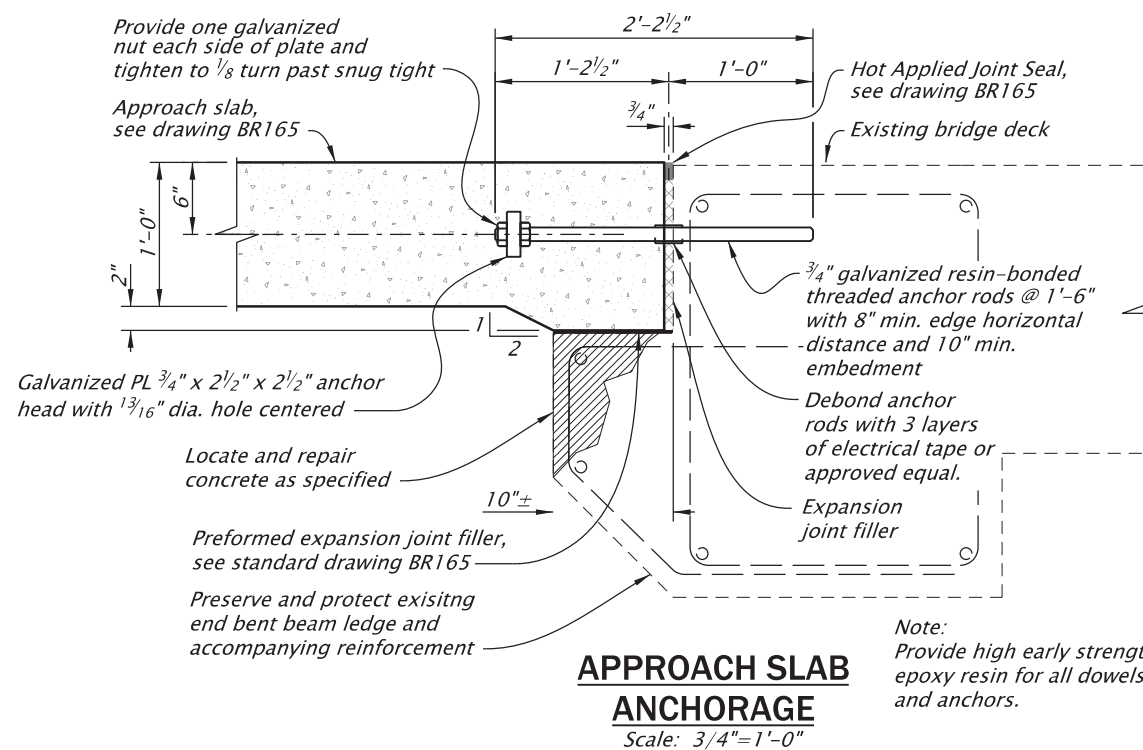
Provide reinforcing (size and spacing) according to dwg. BR165 and as shown.

Provide elastomeric nosing at transverse joints, see sheet J01,

See sheet J03 for additional notes and details not shown.



SLEEPER SLAB - PLAN VIEW
Not to Scale



CORNER REINFORCEMENT DETAIL
Not to Scale

For accompanied by drawings, see sht. J01

STRUCTURE NO. 09631/A	
BDS DWG NO. 114063	
CALC. BOOK 7920	
HWY: Varies M.P.: Varies	
COUNTY UNION	DATE 02/2026

REGISTERED PROFESSIONAL ENGINEER

100,042PE

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OREGON

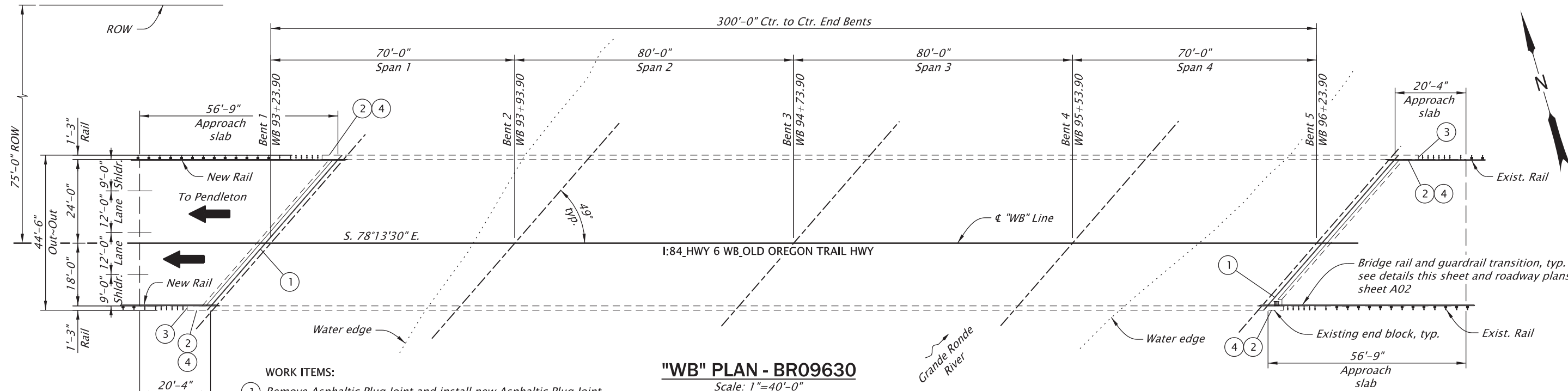
NOVEMBER 14, 2023

JASON J. RICE

RENEWS: 12-31-2026

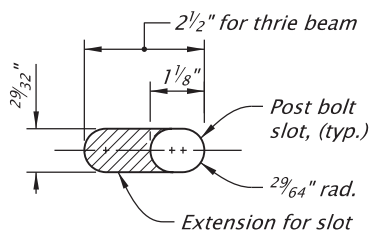
OREGON DEPARTMENT OF TRANSPORTATION 	
HWY 6 EB/WB OVER N SPRUCE ST I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Jason Rice, PE CADD Tech: James Schaefer	Reviewer: George Bornstedt, PE Checker: Luke Teubel, PE
APPROACH SLAB DETAILS	SHEET NO. J04

IF THIS MEASURES 1 INCH THEN DRAWING IS TO SCALE



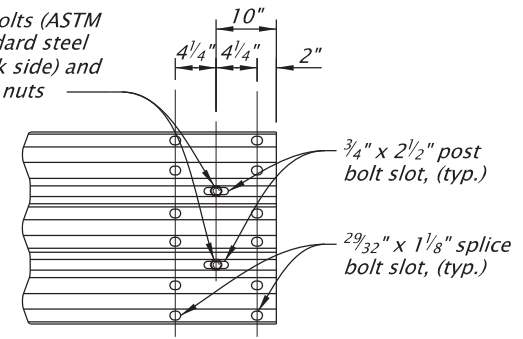
"WB" PLAN - BR09630
Scale: 1"=40'-0"

- WORK ITEMS:**
- ① Remove Asphaltic Plug Joint and install new Asphaltic Plug Joint.
 - ② Modify bridge rail. Perform concrete removal and extend new guard rail transition as shown.
 - ③ Install bridge ID marker.
 - ④ Perform shallow rebar repair on exposed bar ends, see BR500.

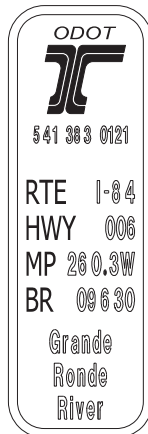


SPLICE BOLT SLOT
NO SCALE

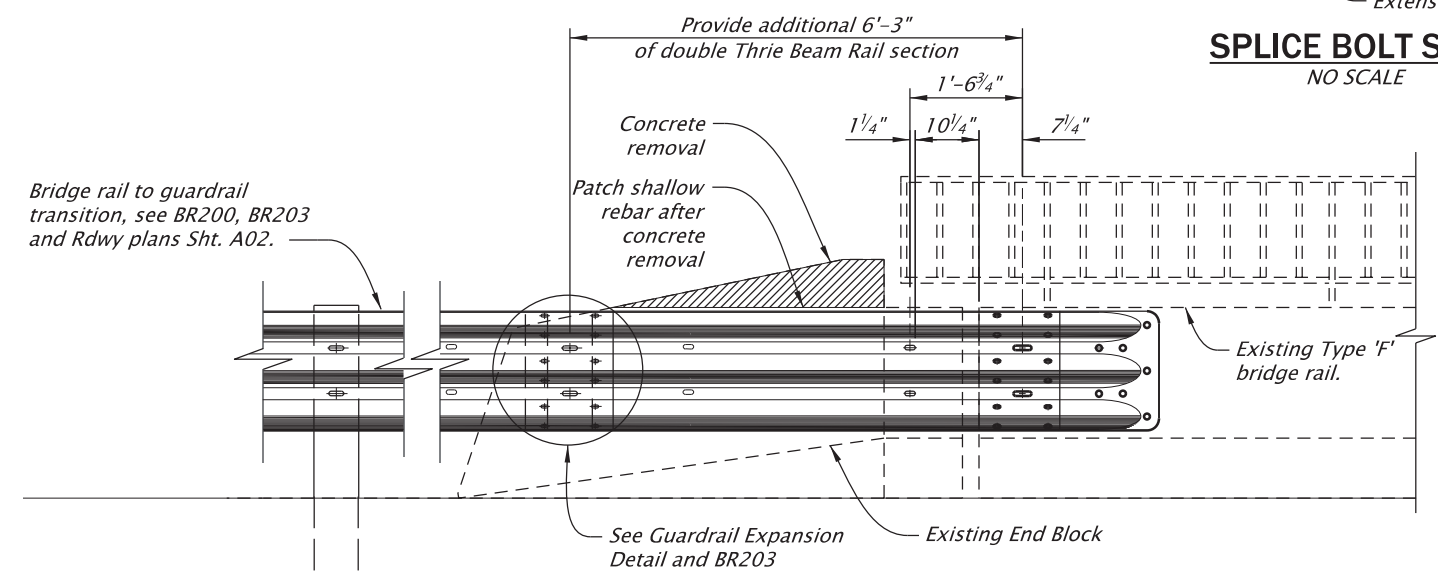
2-5/8" dia. post bolts (ASTM A307) with standard steel washers (on back side) and lock nuts or jam nuts



GUARDRAIL EXPANSION DETAIL
NO SCALE

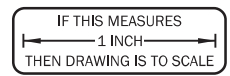


(For details, see dwg. BR195)
BRIDGE ID MARKER
Scale: No Scale



ELEVATION: TRANSITION RAIL DETAIL TO THRIE BEAM
Scale: 3/8"=1'-0"

Guardrail Expansion Notes:
Place 2-1/32" polytetrafluoroethylene (PTFE) sheets between corrugated rail members. Adjust nuts to provide a sliding fit and set threads to prevent loosening.

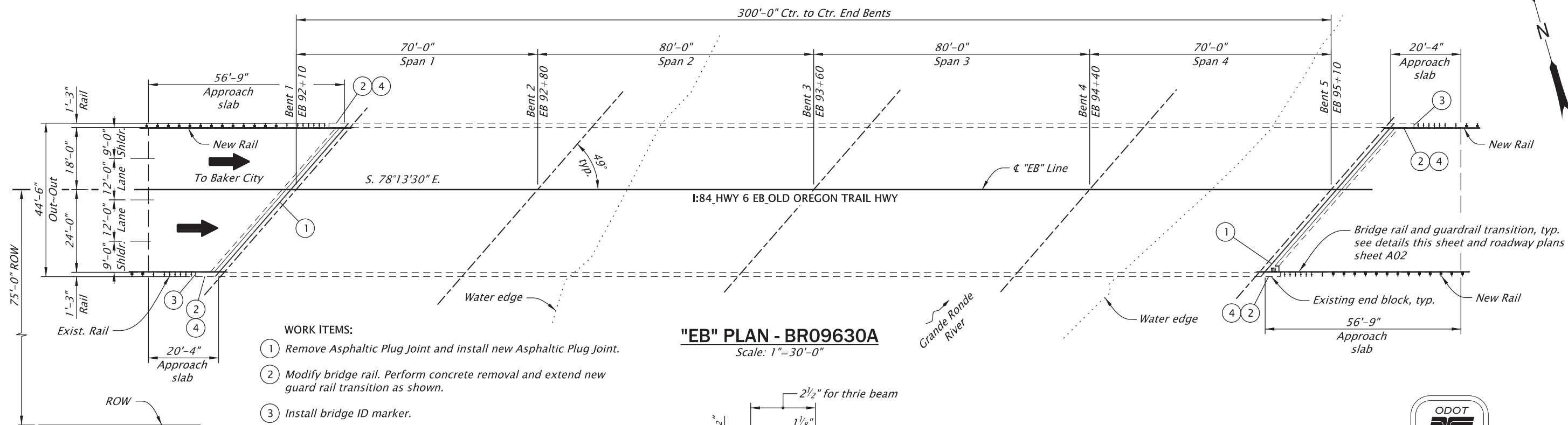


For accompanied by drawings, see sht. J01

STRUCTURE NO.	09630
BDS DWG NO.	114064
CALC. BOOK	7920
HWY: 006	
M.P.: 260.29W	
COUNTY	UNION
DATE	02/2026

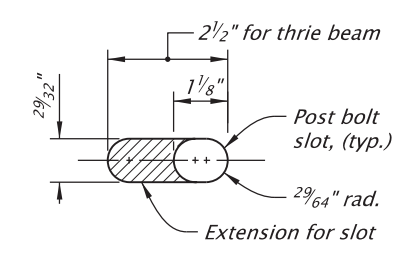
REGISTERED PROFESSIONAL ENGINEER
100,042PE
Digitally Signed 2026.03.30 13:32:26 -07'00'
OREGON
NOVEMBER 14, 2023
JASON J. RICE
RENEW: 12-31-2026

OREGON DEPARTMENT OF TRANSPORTATION HWY 6 EB/WB OVER N SPRUCE ST I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY		Designer: Jason Rice, PE CADD Tech: James Schaefer	Reviewer: George Bornstedt, PE Checker: Luke Teubel, PE
BR09630 PLAN, NOTES AND DETAILS		SHEET NO. JA01	

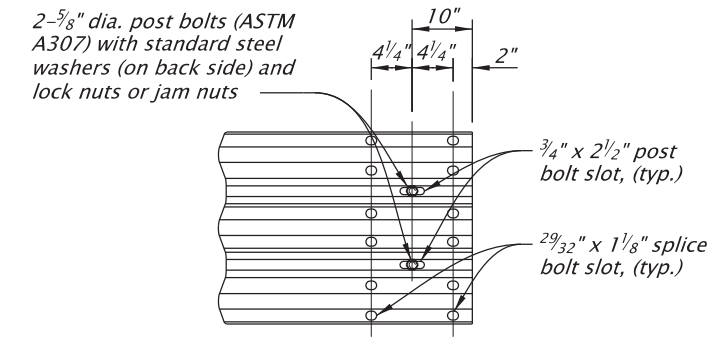


- WORK ITEMS:**
- ① Remove Asphaltic Plug Joint and install new Asphaltic Plug Joint.
 - ② Modify bridge rail. Perform concrete removal and extend new guard rail transition as shown.
 - ③ Install bridge ID marker.
 - ④ Perform shallow rebar repair on exposed bar ends, see BR500.

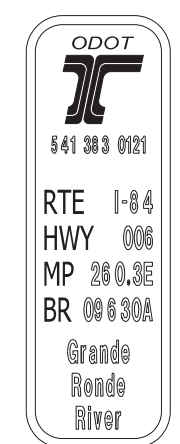
"EB" PLAN - BR09630A
Scale: 1"=30'-0"



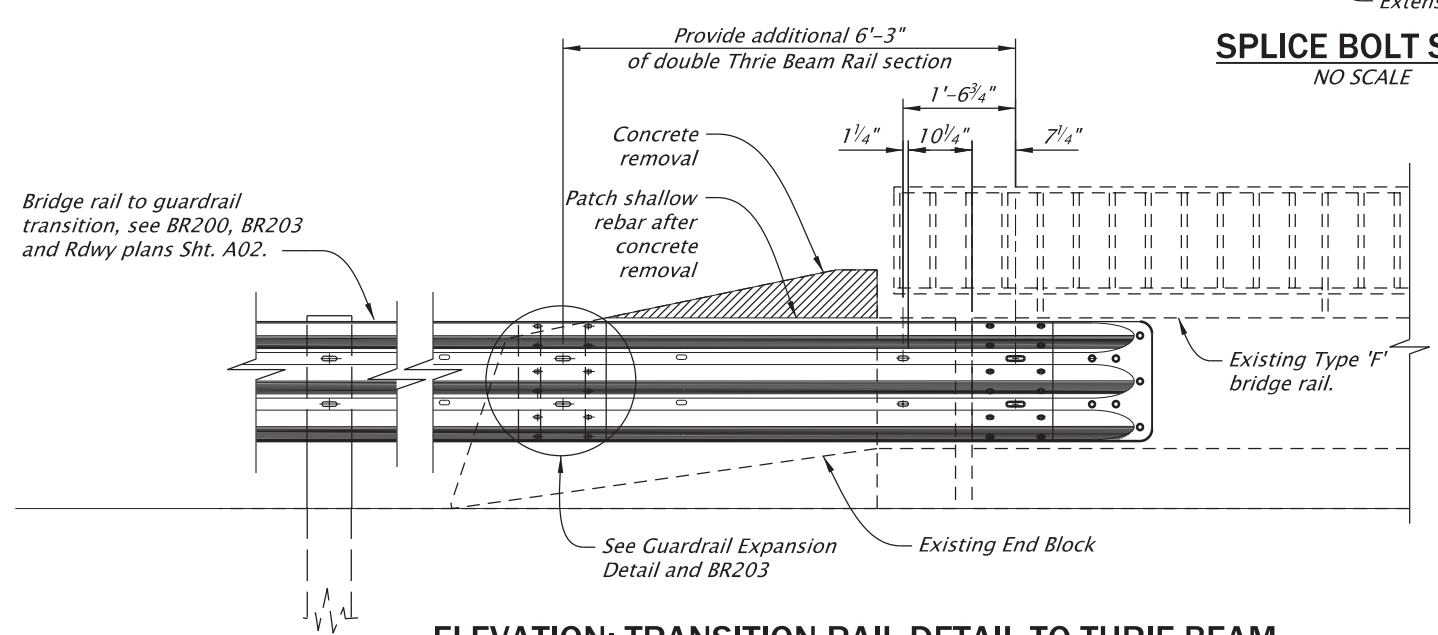
SPLICE BOLT SLOT
NO SCALE



GUARDRAIL EXPANSION DETAIL
NO SCALE



(For details, see dwg. BR195)
BRIDGE ID MARKER
Scale: No Scale



ELEVATION: TRANSITION RAIL DETAIL TO THRIE BEAM
Scale: 3/8"=1'-0"

Guardrail Expansion Notes:
Place 2-1/32" polytetrafluoroethylene (PTFE) sheets between corrugated rail members. Adjust nuts to provide a sliding fit and set threads to prevent loosening.

For accompanied by drawings, see sht. J01

STRUCTURE NO.	09630A
BDS DWG NO.	114065
CALC. BOOK	7920
HWY: 006	
M.P.: 260.29E	
COUNTY	UNION
DATE	02/2026

REGISTERED PROFESSIONAL ENGINEER
100,042PE
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OREGON
NOVEMBER 14, 2023
JASON J. RICE
RENEWS: 12-31-2026

OREGON DEPARTMENT OF TRANSPORTATION

HWY 6 EB/WB OVER N SPRUCE ST

I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT
OLD OREGON TRAIL HIGHWAY
UNION COUNTY

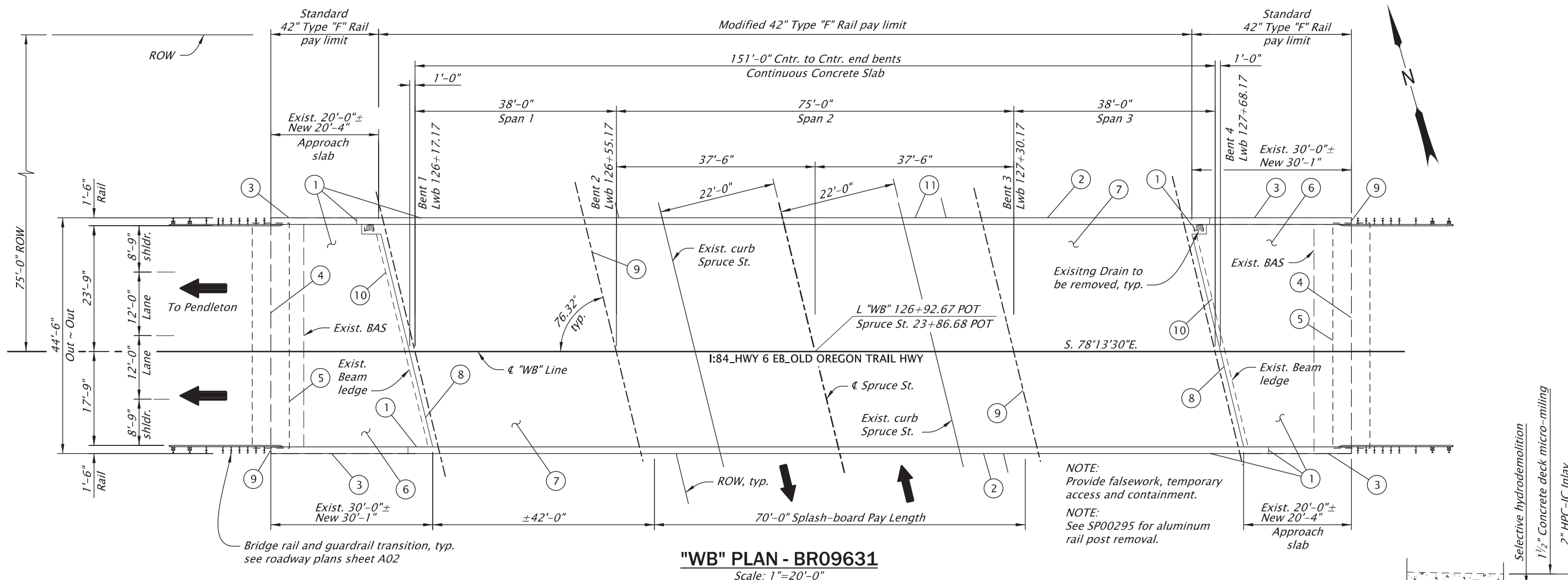
Designer: Jason Rice, PE
Reviewer: George Bornstedt, PE
CADD Tech: James Schaefer
Checker: Luke Teubel, PE

BR09630A
PLAN, NOTES AND DETAILS

SHEET NO.
JB01

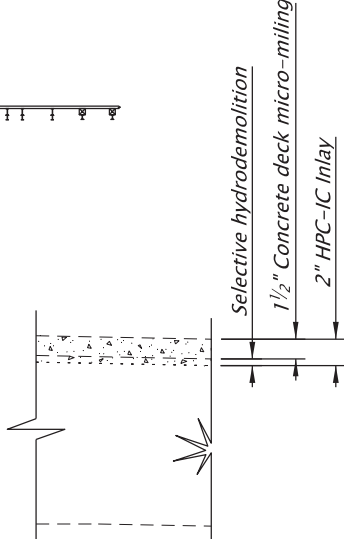
IF THIS MEASURES 1 INCH THEN DRAWING IS TO SCALE

FINAL ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST



"WB" PLAN - BR09631
Scale: 1"=20'-0"

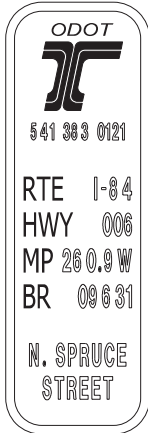
NOTE: Provide falsework, temporary access and containment.
NOTE: See SP00295 for aluminum rail post removal.



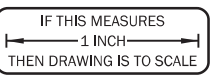
STRUCTURAL CONCRETE INLAY
Scale: No Scale

WORK ITEMS:

- ① Remove existing bridge rail, end blocks, drains and bridge approach slabs.
- ② Construct Modified 42 inch "F" Rail, see details sheet J02 and BR290.
- ③ Construct standard 42 inch "F" rail.
- ④ Install Precompressed Foam Silicone Joint Seal with Elastomeric Nosing, see sheets J01 and J03.
- ⑤ Construct Bridge Approach Sleeper Slab, see sheet J03.
- ⑥ Construct reinforced concrete Bridge Approach Slab, see BR165.
- ⑦ Field verify deck reinforcement depth prior to removal as specified. Perform concrete deck removal, 1.5-inch depth, by micro-milling followed by selective-hydrodemolition. Construct 2" "Structural Concrete Inlay".
- ⑧ Install Hot Applied Joint Seal, see BR165, see sheet J04 and BR165.
- ⑨ Install Bridge ID Markers on bridge rail transitions and on face of bridge bents, see detail this sheet and BR195.
- ⑩ Locate and repair concrete, see detail sheet J04 and BR500.
- ⑪ Install Splash-boards (exterior rail only), see sheet J02. Powder coat black as specified.



(For details, see dwg. BR195)
BRIDGE ID MARKER
Scale: No Scale



For accompanied by drawings, see sht. J01

STRUCTURE NO.	09631
BDS DWG NO.	114066
CALC. BOOK	7920
HWY: 006	
M.P.: 260.93W	
COUNTY	UNION
DATE	02/2026

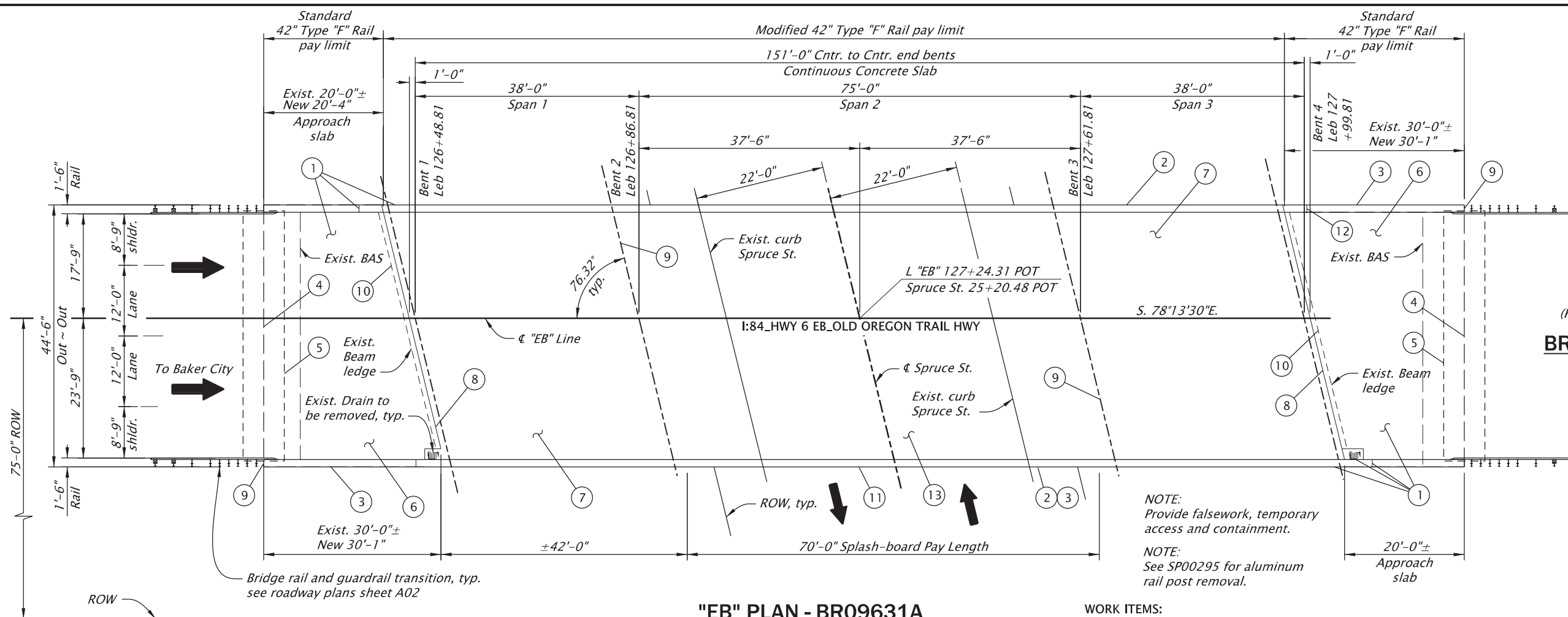
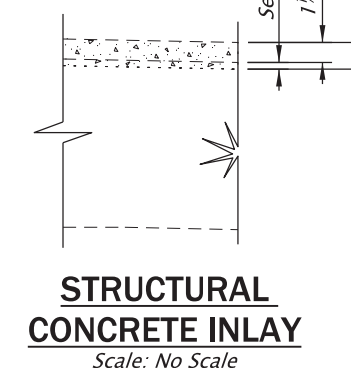
REGISTERED PROFESSIONAL ENGINEER
100,042PE
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OREGON
NOVEMBER 14, 2023
JASON J. RICE

RENEWS: 12-31-2026

OREGON DEPARTMENT OF TRANSPORTATION	
HWY 6 EB/WB OVER N SPRUCE ST	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Jason Rice, PE	Reviewer: George Bornstedt, PE
CADD Tech: James Schaefer	Checker: Luke Teubel, PE
BR09631 PLAN, NOTES AND DETAILS	SHEET NO. JC01

ODOT
541 383 0121
RTE I-84
HWY 006
MP 260.9E
BR 09631A
N. SPRUCE STREET

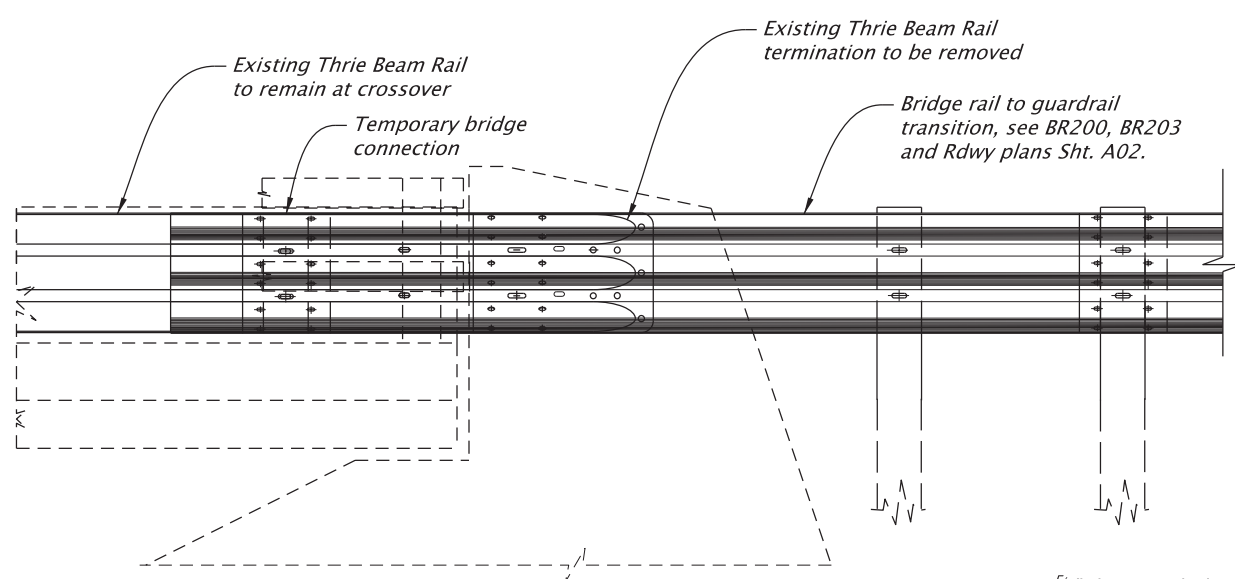
(For details, see dwg. BR195)
BRIDGE ID MARKER
Scale: No Scale



"EB" PLAN - BR09631A
Scale: 1"=20'-0"

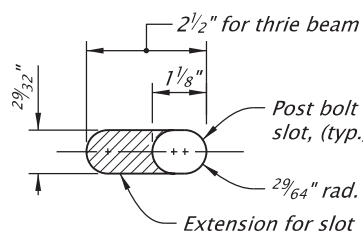
WORK ITEMS:

- 1 Remove existing bridge rail and bridge approach slabs.
- 2 Construct Modified 42 inch "F" Rail, see details sheet J02 and BR290.
- 3 Construct standard 42 inch "F" rail.
- 4 Install Precompressed Foam Silicone Joint Seal with Elastomeric Nosing, see sheets J01 and J03.
- 5 Construct Bridge Approach Sleeper Slab, see sheet J03.
- 6 Construct reinforced concrete Bridge Approach Slab, see BR165.
- 7 Field verify deck reinforcement depth prior to removal as specified. Perform concrete deck removal, 1.5-inch depth, by micro-milling followed by selective-hydrodemolition. Construct 2" "Structural Concrete Inlay".
- 8 Install Hot Applied Joint Seal, see BR165, see sheet J04 and BR165.
- 9 Install Bridge ID Markers on bridge rail transitions and on face of bridge bents, see detail this sheet and BR195.
- 10 Locate and repair concrete, see detail sheet J04 and BR500.
- 11 Install Splash-boards (exterior rail only), see sheet J02. Powder coat black as specified
- 12 Install temporary rail to thrie beam transition prior to cross-over. Remove during stage 2.
- 13 Class 2 Preparation prior to Stage 1 as directed.

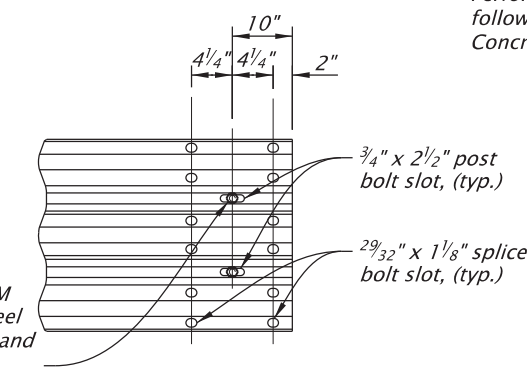


ELEVATION: TEMPORARY GUARDRAIL TRANSITION DETAIL
Scale: 3/8"=1'-0"

Guardrail Expansion Notes:
Place 2-1/32" polytetrafluoroethylene (PTFE) sheets between corrugated rail members.
Adjust nuts to provide a sliding fit and set threads to prevent loosening.



SPLICE BOLT SLOT
NO SCALE



GUARDRAIL EXPANSION DETAIL
NO SCALE

IF THIS MEASURES
1 INCH
THEN DRAWING IS TO SCALE

For accompanied by drawings, see sht. J01

STRUCTURE NO.	09631A
BDS DWG NO.	114067
CALC. BOOK	7920
HWY: 006	
M.P.: 260.93E	
COUNTY	UNION
DATE	02/2026

REGISTERED PROFESSIONAL ENGINEER
100,042PE
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OREGON
NOVEMBER 14, 2023
JASON J. RICE

RENEWS: 12-31-2026

OREGON DEPARTMENT OF TRANSPORTATION	
HWY 6 EB/WB OVER N SPRUCE ST	
I-84: BRIDGES OVER NORTH SPRUCE STREET (LA GRANDE) PROJECT OLD OREGON TRAIL HIGHWAY UNION COUNTY	
Designer: Jason Rice, PE	Reviewer: George Bornstedt, PE
CADD Tech: James Schaefer	Checker: Luke Teubel, PE
BR09631A PLAN, NOTES AND DETAILS	SHEET NO. JD01