| INDEX OF SHEETS | |
|---|---|
| SHEET NO. | DESCRIPTION |
| 1 | Title Sheet |
| 1A | Index Of Sheets Cont'd. & Std. Drg. Nos. |

STATE OF OREGON
# DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED PROJECT

## GRADING, DRAINAGE, STRUCTURES, PAVING, SIGNING & ROADSIDE DEVELOPMENT

# US26: VOLMER CREEK BRIDGE & JOHNSON CREEK BRIDGE PROJECT

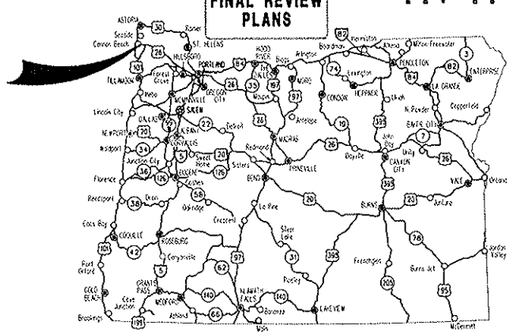
## SUNSET HIGHWAY

CLATSOP COUNTY

SEPTEMBER 2010

FINAL REVIEW PLANS

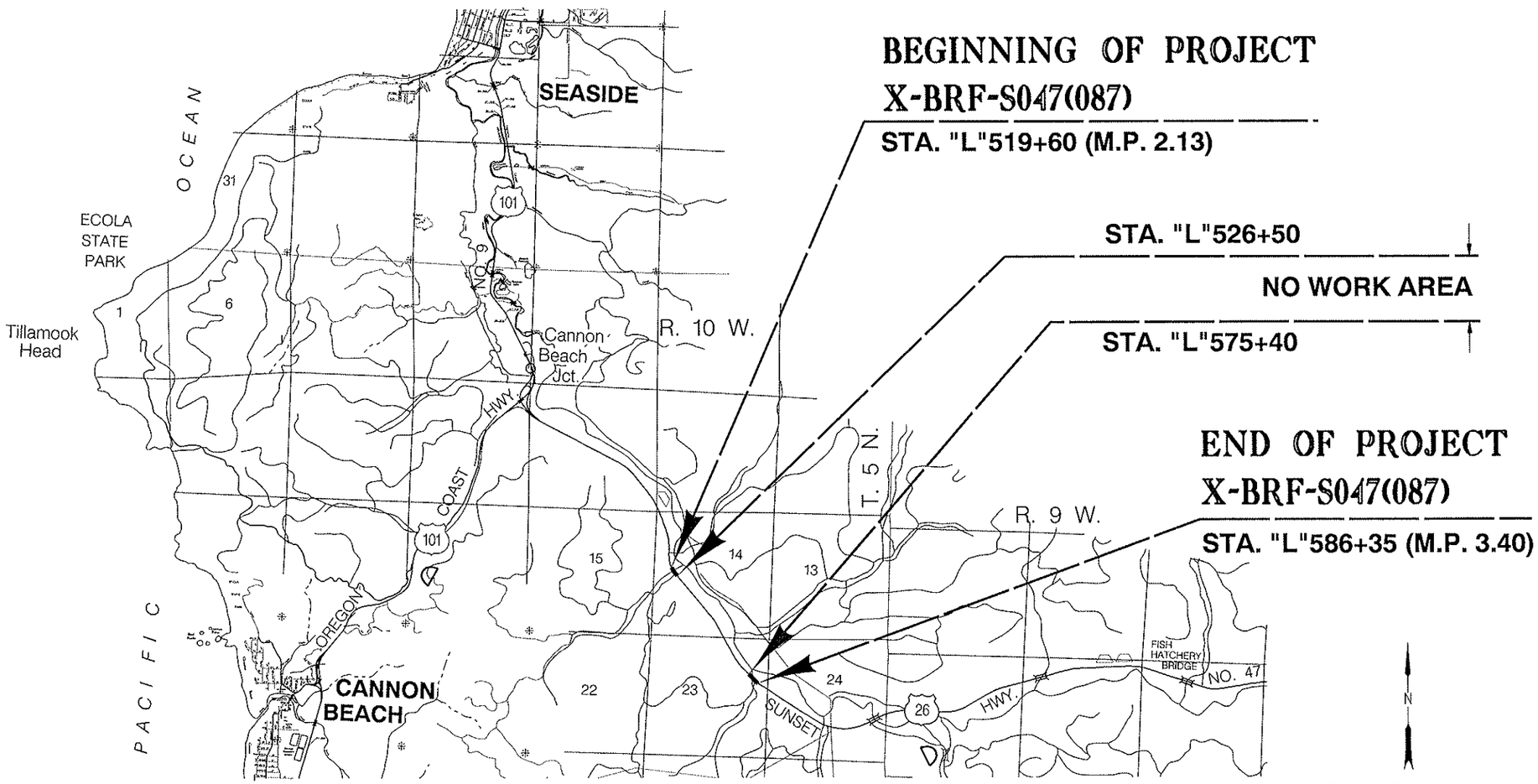
??V-??



*Overall Length Of Project - 1.35 Miles*

**ATTENTION:**
Oregon Law Requires You To Follow Rules Adopted By The Oregon Utility Notification Center. Those Rules Are Set Forth In OAR 952-001-0010 Through OAR 952-001-0090. You May Obtain Copies Of The Rules By Calling The Center. (Note: The Telephone Number For The Oregon Utility Center Is (503) 232-1987.)

SAFETY FIRST
LET'S ALL WORK TOGETHER TO MAKE THIS JOB SAFE




OREGON TRANSPORTATION COMMISSION

| | |
|---|---|
| Gail Achterman | CHAIR |
| Michael Nelson | VICE-CHAIR |
| Mary F. Olson | COMMISSIONER |
| Alan Brown | COMMISSIONER |
| David Lohman | COMMISSIONER |
| Matthew L. Garrett | 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.

By: _____
Signature & date

*Steven B. Cooley - R2 Tech Center Manager*
Print name and title

_____
Concurrence by ODOT Chief Engineer

**US26: VOLMER CREEK BRIDGE & JOHNSON CREEK BRIDGE PROJECT**
SUNSET HIGHWAY
CLATSOP COUNTY

| FEDERAL HIGHWAY ADMINISTRATION | PROJECT NUMBER | SHEET NO. |
|---|---|---|
| OREGON DIVISION | X-BRF-S047(087) | 1 |

PE00-1279 000

FINAL REVIEW PLANS

## INDEX OF SHEETS, CONT'D.

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| 2, 2A Thru 2A-3 Incl. | Typical Sections |
| 2B Thru 2B-3 Incl. | Details |
| 2C | Traffic Control Details |
| 2C-2 Thru 2C-19 Incl. | Traffic Control Plans |
| 2D | Pipe Data Sheet |
| 3 | General Construction |
| 3A | "L" Line Profile |
| 4 | General Construction |
| 4A | "L" Line Profile |
| 5 | General Construction |
| 5A | "L" Line Profile |
| 6 | General Construction |
| 6A | Construction Notes |
| 6B | "L" Line Profile |
| | |
| | |
| | GEO/HYDRO |
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| GA Thru GA-4 Incl. | Erosion Control Plans |
| | |
| GG-1, GG-2 | Temporary Water Management |
| | |
| GN-1 | Roadside Development Plan |
| GN-2 | Roadside Development Details |
| GN-3, GN-4 | Roadside Development Plan |
| | |
| GP | Waterway Enhancement Plan |
| GP-1 | Waterway Enhancement |
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| | |

## INDEX OF SHEETS, CONT'D.

| DRAWING NO. | DESCRIPTION |
|---|---|
| | |
| | STRUCTURE NO. 21188 |
| 84057 | Plan And Elevation |
| 84058 | General Notes And Gradeline Diagram |
| 84059 | Foundation Data |
| 84060 | Construction Sequence |
| 84061 | Footing Plan |
| 84062 | Deck Plan |
| 84063 | Slab Details |
| 84064 | Bent 1 Plan And Elevation (Bent 2 Similar) |
| 84065 | Bent 1 Section (Bent 2 Similar) |
| 84066 | Pile Cap Details |
| 84067 | Pile Cap Details Contd. |
| 84068 | End Panel And Sleeper Slab Details |
| | |
| | |
| | STRUCTURE NO. 21189 |
| 84070 | Plan And Elevation |
| 84071 | General Notes And Gradeline Diagram |
| 84072 | Foundation Data |
| 84073 | Construction Sequence |
| 84074 | Footing Plan |
| 84075 | Deck Plan |
| 84076 | Slab Details |
| 84077 | Bent 1 Plan And Elevation (Bent 2 Similar) |
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| 84079 | Pile Cap Details |
| 84080 | Pile Cap Details Cont. |
| 84081 | End Panel And Sleeper Slab Details |
| | |
| | |
| | PERMANENT SIGNING |
| S-1, S-2 | Signing Plans |
| S-3 | Signing Details |
| S-4 | Sign & Post Data Table |
| | |

Standard Drg. Nos.

| | |
|---|---|
| RD100 | - Mailbox Support |
| RD101 | - Mailbox Installation |
| RD140 | - Roadway Cross Slopes Superelevated Sections |
| RD150 | - Slope Rounding |
| RD300 | - Trench Backfill, Bedding, Pipe Zone And Mult. Installations |
| RD302 | - Street Cut |
| RD316 | - Sloped Ends For Metal Pipe |
| RD318 | - Sloped Ends For Concrete Pipe |
| RD326 | - Coupling Bands For Corrugated Metal Pipe |
| RD364 | - Concrete Inlets |
| RD380, RD386 | - Pipe Fill Height Tables |
| RD400, RD410, RD415, RD420, RD440, RD450 | - Guardrail |
| RD500 | - Precast Concrete Barrier Pin And Loop Assembly |
| RD610 | - Asphalt Pavement Details |
| RD700 | - Curbs |
| RD715 | - Approaches And Non-Sidewalk Driveways |
| RD1005 | - Check Dams |
| RD1040 | - Sediment Fence |
| BR203 | - Transition Concrete Bridge Rail To Guardrail |
| BR208, BR209 | - 3-Tube Curb Mount Rail |
| BR400 | - 12" Precast Prestressed Slab |
| TM200 | - Sign Installation Details |
| TM201 | - Miscellaneous Sign Placement Details |
| TM223, TM224 | - Directional Sign Layout |
| TM670 | - Perm. Signing Wood Post Supports Sizing Charts |
| TM671 | - 3 Second Gust Wind Speed Isotach |
| TM676 | - Sign Attachments |
| TM677 | - Sign Mounts |
| TM681, TM687, TM688 | - Square Tube Sign Supports |
| TM800 | - Tables, Abrupt Edge And PCMS Details |
| TM820 | - Temporary Barricades |
| TM821 | - Temporary Sign Supports |
| TM830 | - Temporary Concrete Barrier And Rumble Strips |
| TM850 | - 2-Lane, 2 Way Roadways |
| TM870 | - Bridge Construction |

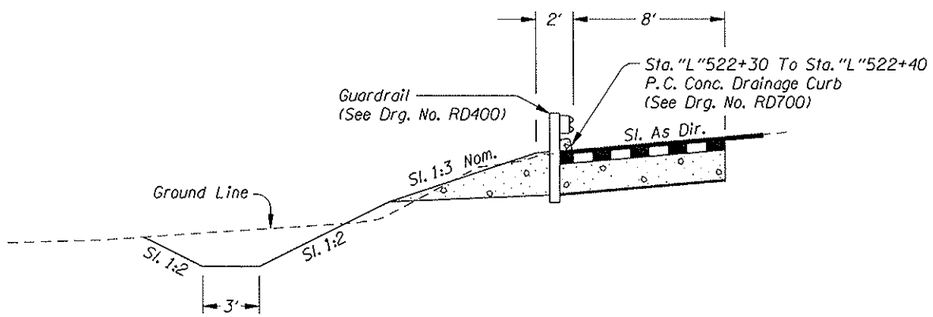
R/W Map No. 11B-4-3

Standard Drawings located on the web at:
http://www.oregon.gov/ODOT/HWY/ENGSERVICES/standard_drawings_home.shtml

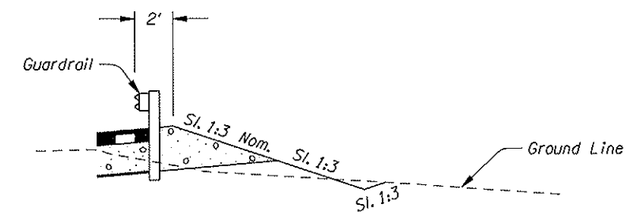
**US26: VOLMER CREEK BRIDGE & JOHNSON CREEK BRIDGE PROJECT**
SUNSET HIGHWAY
CLATSOP COUNTY

| FEDERAL HIGHWAY ADMINISTRATION | PROJECT NUMBER | SHEET NO. |
|---|---|---|
| OREGON DIVISION | | 1A |

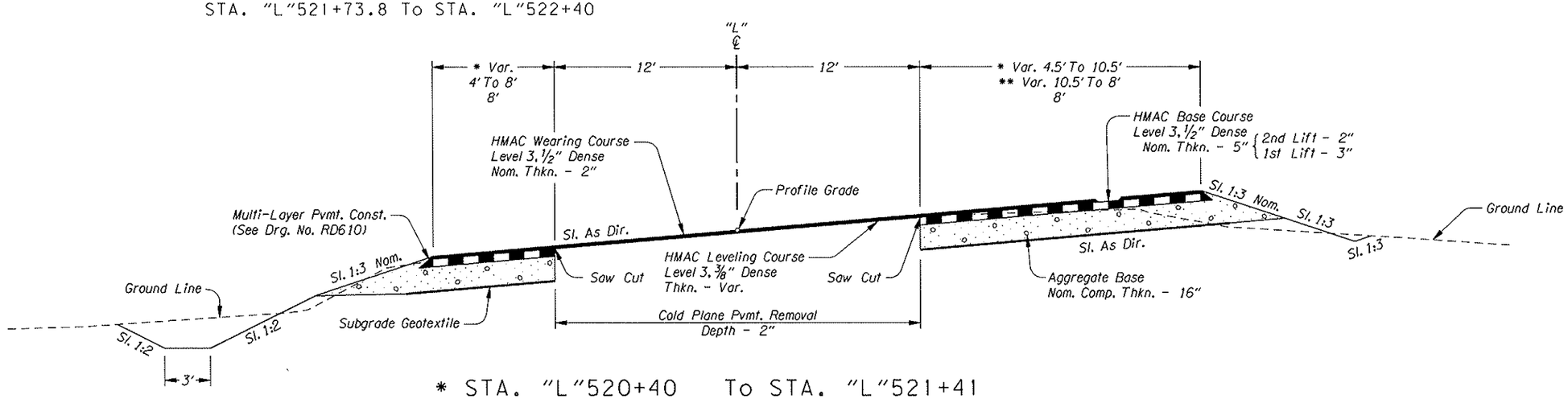
FINAL REVIEW PLANS




STA. "L"521+73.8 To STA. "L"522+40




STA. "L"521+41 To STA. "L"522+40




* STA. "L"520+40 To STA. "L"521+41
** "L"521+41 To "L"521+78.5
"L"521+78.5 To "L"522+40

NOTE:
1. Side-slopes are shown as vert. to horiz.
2. For standard superelevation, See Drg. No. RD140.
3. For slope rounding, See Drg. No. RD150.

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OREGON DEPARTMENT OF TRANSPORTATION

REGION 2 TECH CENTER

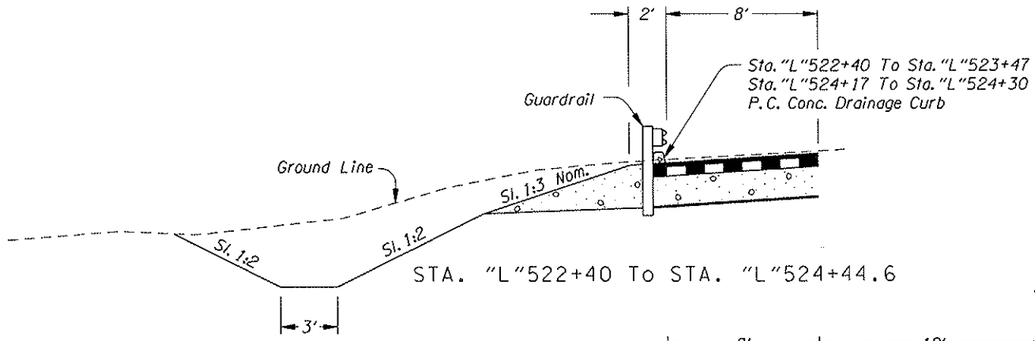
US26: VOLMER CREEK BRIDGE & JOHNSON CREEK BRIDGE PROJECT
SUNSET HIGHWAY
CLATSOP COUNTY

Design Team Leader - Carol Cartwright
Designed By - Eliseo Lemus M.
Drafted By - Larry D. Garrison

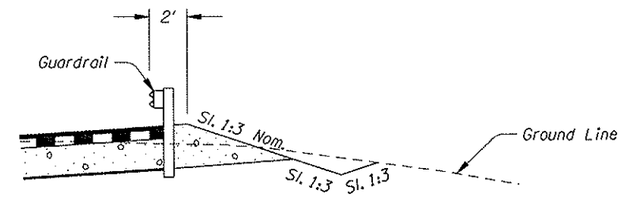
TYPICAL SECTIONS

SHEET NO. 2

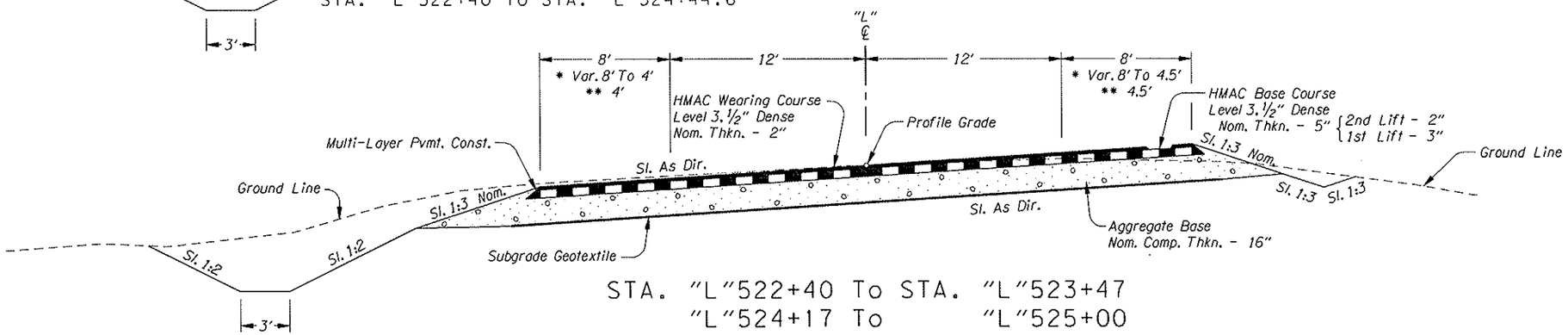
FINAL REVIEW PLANS



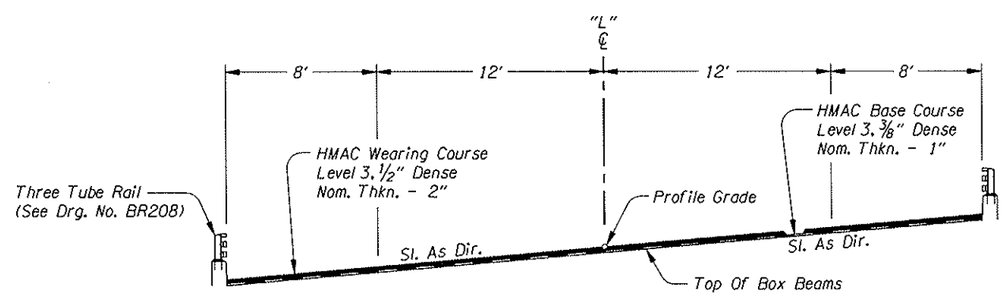

STA. "L"522+40 To STA. "L"524+44.6




STA. "L"522+40 To STA. "L"525+13




STA. "L"522+40 To STA. "L"523+47
"L"524+17 To "L"525+00
* "L"525+00 To "L"526+20
** "L"526+20 To "L"526+50
"L"526+50 To "L"575+40 (No Work Area)




STA. "L"523+47 To STA. "L"524+17 (Structure #21188)

NOTE:
1. Side-slopes are shown as vert. to horiz.
2. For standard superelevation, See Drg. No. RD140.
3. For slope rounding, See Drg. No. RD150.

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OREGON DEPARTMENT OF TRANSPORTATION

REGION 2 TECH CENTER

US26: VOLMER CREEK BRIDGE & JOHNSON CREEK BRIDGE PROJECT
SUNSET HIGHWAY
CLATSOP COUNTY

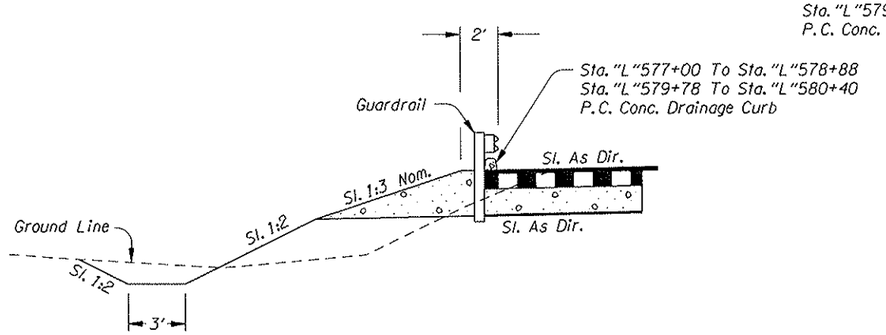
Design Team Leader - Carol Cartwright
Designed By - Eliseo Lemus M.
Drafted By - Larry D. Garrison

TYPICAL SECTIONS

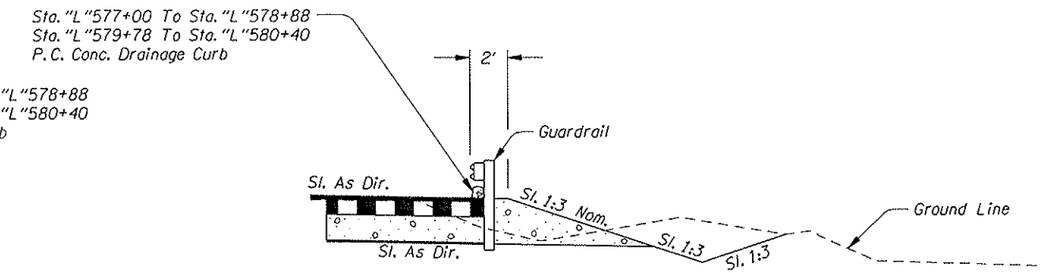
SHEET NO. 2A

STRUCTURAL DETAILS CHECKED

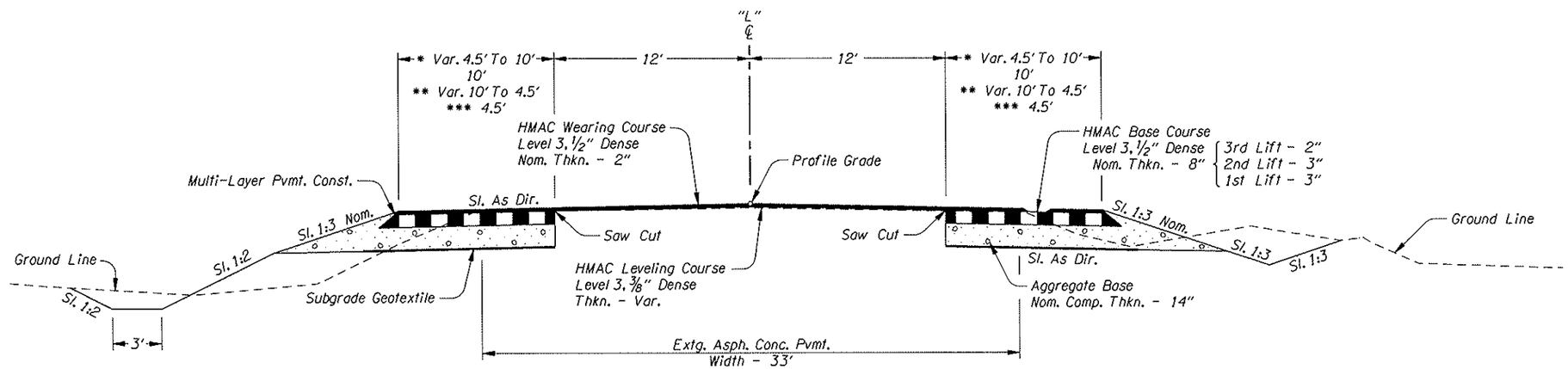
FINAL REVIEW PLANS




STA. "L"576+69.5 To STA. "L"581+07.7




STA. "L"576+44.5 To STA. "L"580+92




| | | | | |
|---|---|---|---|---|
| * STA. | "L"575+40 | To STA. | "L"576+44.5 | (Taper Section) |
| | "L"576+44.5 | To | "L"578+88 | |
| | "L"579+78 | To | "L"581+40 | |
| ** | "L"581+40 | To | "L"582+40 | (Taper Section) |
| *** | "L"582+40 | To | "L"582+80 | |

NOTE:
1. Side-slopes are shown as vert. to horiz.
2. For standard superelevation, See Drg. No. RD140.
3. For slope rounding, See Drg. No. RD150.

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OREGON DEPARTMENT OF TRANSPORTATION

REGION 2 TECH CENTER

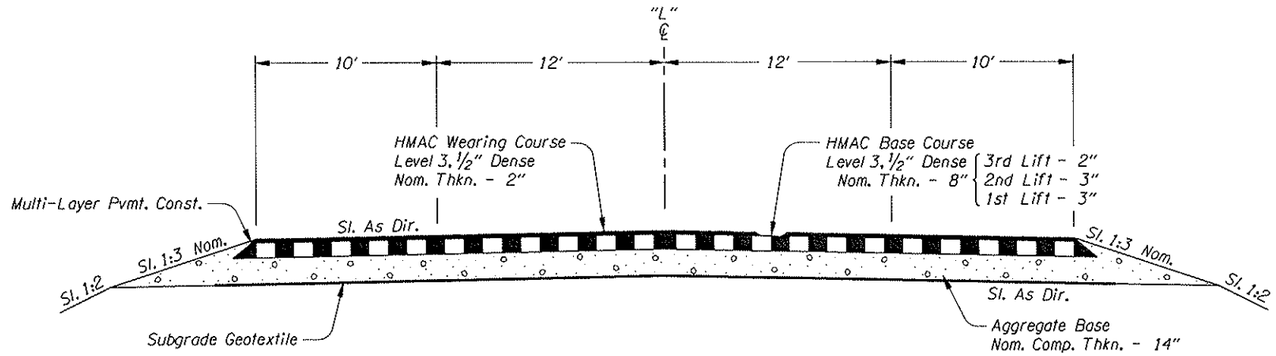
US26: VOLMER CREEK BRIDGE & JOHNSON CREEK BRIDGE PROJECT
SUNSET HIGHWAY
CLATSOP COUNTY

Design Team Leader - Carol Cartwright
Designed By - Eliseo Lemus M.
Drafted By - Larry D. Garrison

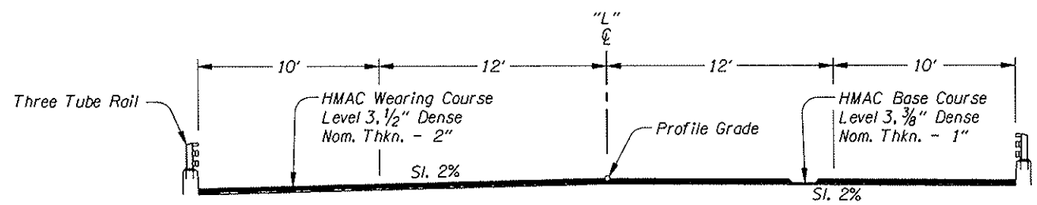
TYPICAL SECTIONS

SHEET NO. 2A-2

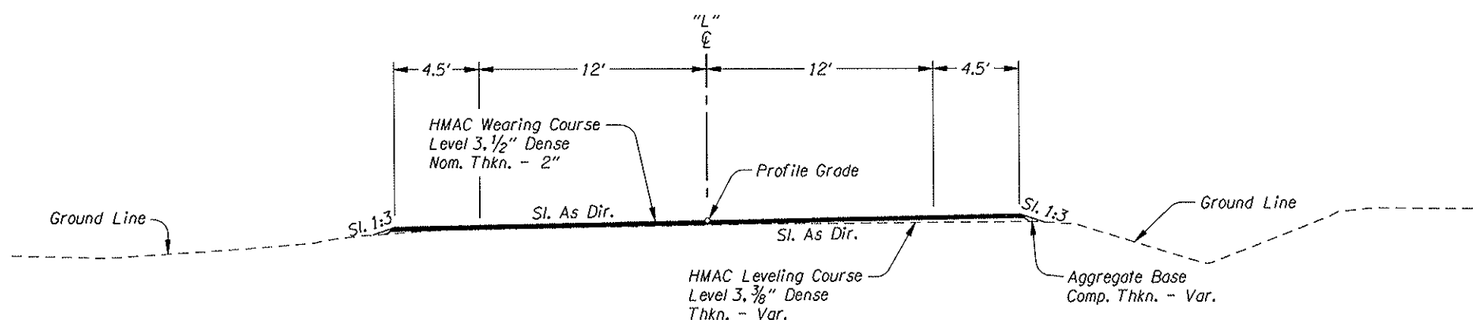
FINAL REVIEW PLANS




STA. "L"578+88 To STA. "L"578+98
"L"579+68 To "L"579+78




STA. "L"578+98 To STA. "L"579+68 (Structure #21189)




STA. "L"582+80 To STA. "L"586+35

NOTE:
1. Side-slopes are shown as vert. to horiz.
2. For standard superelevation, See Drg. No. RD140.
3. For slope rounding, See Drg. No. RD150.

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OREGON DEPARTMENT OF TRANSPORTATION

REGION 2 TECH CENTER

US26: VOLMER CREEK BRIDGE & JOHNSON CREEK BRIDGE PROJECT
SUNSET HIGHWAY
CLATSOP COUNTY

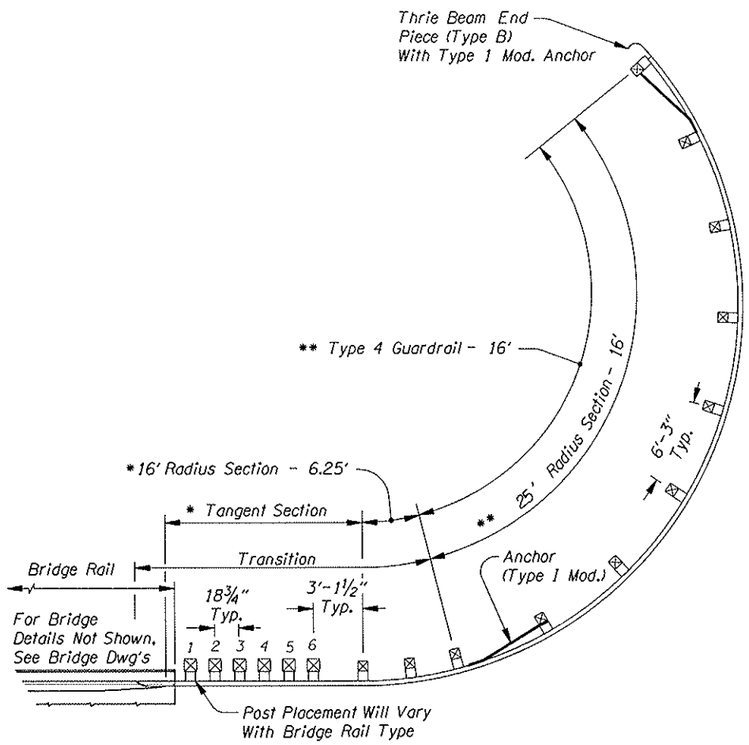
Design Team Leader - Carol Cartwright
Designed By - Eliseo Lemus M.
Drafted By - Larry D. Garrison

TYPICAL SECTIONS

SHEET NO. 2A-3

STRUCTURAL DETAILS CHECKED _____

FINAL REVIEW PLANS




15' RADIUS

Notes:

1. For Transition Details, See Appropriate Bridge Standard Drawings. Eliminate Thrie Beam To W-Beam Rail Element When Type 4 Rail Is Used.
2. Place Radius ID Plate (See Drg. No. RD415).
3. Shop Fabricate All Radius Rail To Dimensions Shown (14'-9" Radius Is Min. Allowable For Thrie Beam Rail).
4. Rail Elements:
   - * Thrie Beam Rail:
     - 2 - 12 Gauge Rail Elements Or
     - 1 - 10 Gauge Rail Element
   - ** Thrie Beam Rail:
     - 1 - 12 Gauge Rail Element
5. Anchor And End Piece Shown Are To Be Used Only For Private Driveways/Approach Roads. An Approved End Treatment Is Required On Public Roadways

# BRIDGE RAIL END PROTECTION (TYPE 4 RAIL)

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OREGON DEPARTMENT OF TRANSPORTATION

REGION 2 TECH CENTER

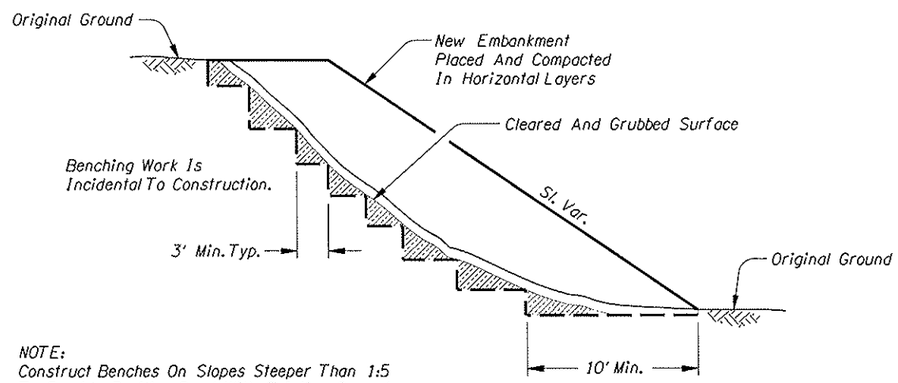
US26: VOLMER CREEK BRIDGE & JOHNSON CREEK BRIDGE PROJECT
SUNSET HIGHWAY
CLATSOP COUNTY

Design Team Leader - Carol Cartwright
Designed By - Eliseo Lemus M.
Drafted By - Larry D. Garrison

DETAILS

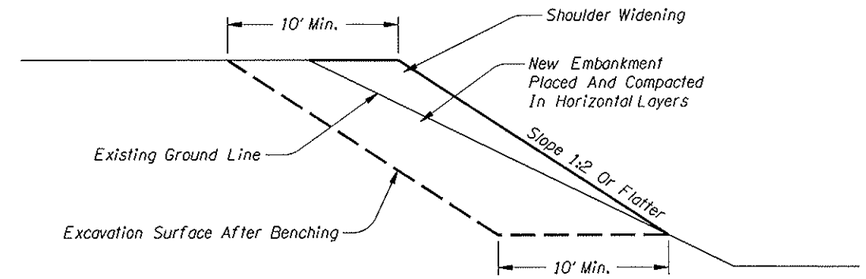
SHEET NO. 2B

FINAL REVIEW PLANS



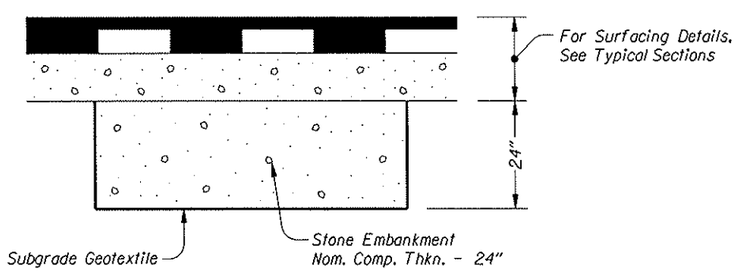

NOTE:
Construct Benches On Slopes Steeper Than 1:5
To Provide Positive Bond With Existing Ground.

STANDARD EMBANKMENT CONSTRUCTION



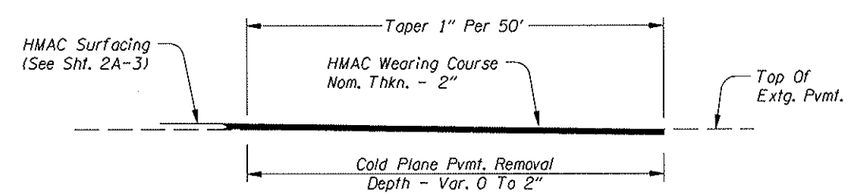

NOTE:
Construct Benches For Sliver Fills Over 10' High As
Shown On Standard Embankment Construction Detail.
Benching Work Is Incidental To Construction.

SLIVER FILL BENCHING




(Locate As Directed)

SUBGRADE STABILIZATION




COLD PLANE PVMT. REMOVAL AT END OF PROJECT

REGISTERED PROFESSIONAL ENGINEER
56,13
OREGON
JUNE 14, 2007
ELISEO LEMUS-MAGANA
REVIEW COPY ONLY
RENEWS: 12-31-2010

OREGON DEPARTMENT OF TRANSPORTATION

REGION 2 TECH CENTER

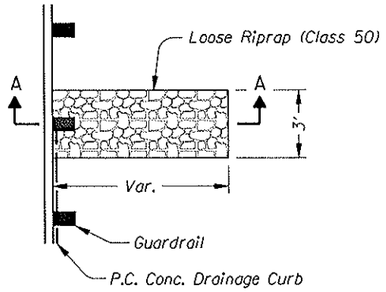
US26: VOLMER CREEK BRIDGE &
JOHNSON CREEK BRIDGE PROJECT
SUNSET HIGHWAY
CLATSOP COUNTY

Design Team Leader - Carol Cartwright
Designed By - Eliseo Lemus M.
Drafted By - Larry D. Garrison

DETAILS

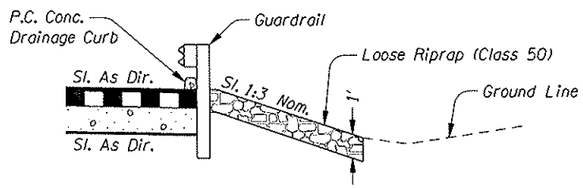
SHEET NO.
2B-2

FINAL REVIEW PLANS



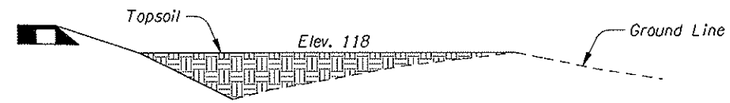

PLAN

NOTE:
Loose Riprap (Class 50)
Approx. Quantity - 1.2 Cu. Yd.

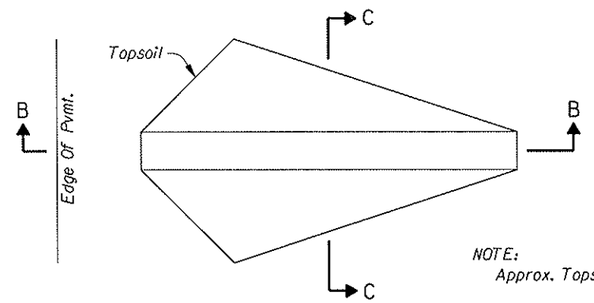



SECTION A-A

SLOPE PROTECTION

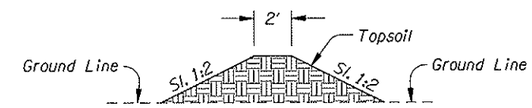



SECTION B-B




PLAN

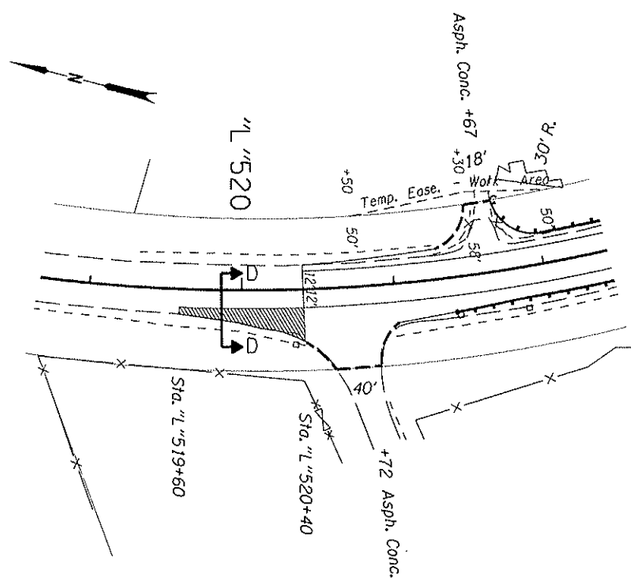
NOTE:
Approx. Topsoil Matl. - 12 Cu. Yd.



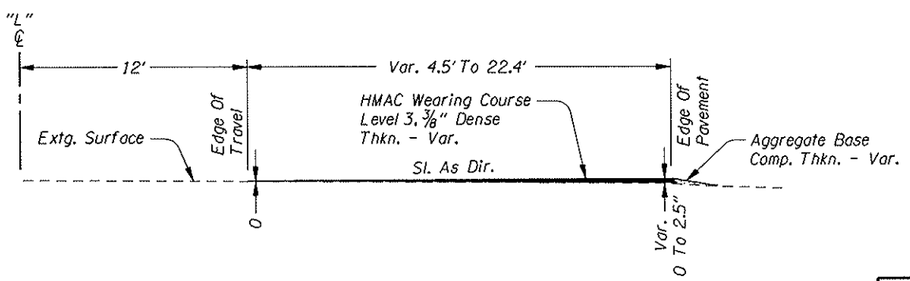

SECTION C-C

Sta. "L" 576+92, Lt. &
Sta. "L" 578+66, Lt.

EARTHEN BERM




PLAN




SECTION D-D

NOTE:
Approx. Area - 1,100 Sq. Ft.
Approx. HMAC Mix - 9.5 Ton

SHOULDER LEVELING FOR ACCESS MATCH

REGISTERED PROFESSIONAL ENGINEER 56,13[illegible] OREGON JUNE 14, 2007 ELISEO LEMUS-MAGANA

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RENEWS: 12-31-2010

OREGON DEPARTMENT OF TRANSPORTATION

REGION 2 TECH CENTER

US26: VOLMER CREEK BRIDGE & JOHNSON CREEK BRIDGE PROJECT
SUNSET HIGHWAY
CLATSOP COUNTY

Design Team Leader - Carol Cartwright
Designed By - Eliseo Lemus M.
Drafted By - Larry D. Garrison

DETAILS

SHEET NO. 2B-3

PIPE 2008

**FINAL REVIEW PLANS**

# PIPE DATA SHEET

**Pipe**

| Sheet Number | Note No. on Plans | Design Height of Cover ① (Feet) | Circular or Elliptical – Size in (Inches) 18 – Length in Feet | Circular or Elliptical – Size in (Inches) 24 – Length in Feet | Pipe - Arch: Helical (Riveted, Welded or Lock Seam) Equiv. Rnd Size (Inches) | Pipe - Arch: Length (Feet) | Pipe - Arch: Cross-Sectional Dimensions ② Span (Feet-Inches) | Pipe - Arch: Rise (Feet-Inches) | Pipe - Arch: Corner Radii (Inches) |
|---|---|---|---|---|---|---|---|---|---|
| 4 | 4 | 2.5 | 56 | | | | | | |
| 5 | 4 | 1.0 | 71 | | | | | | |
| 5 | 5 | 0 | 54 | | | | | | |
| 6A | 6 | 1.0 | | 46 | | | | | |
| 6A | 7 | 1.7 | | 98 | | | | | |
| 6A | 8 | 1.4 | 72 | | | | | | |

**Use / Installation Criteria and Terminal Treatment**

| Sheet Number | Note No. on Plans | Drain (Perforated) | Culvert (Road Approach) | Culvert (Conduit) | Culvert | Irrigation | Siphon | Storm Sewer | Sanitary Sewer | Others (See Remarks) | Watertight Joints | Slope Anchors | Imperfect Trench | PH | Resistivity (Hundreds) | Terminal Treatment: Lt./Rt. Sloped Ends (Not For Conc. Pipe Over 60" Dia.) | Skew Number | Paved End Slopes No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 4 | | | | √ | | | | | | √ | | | 5.1 | 96.2 | 1:4 | | |
| 5 | 4 | | | | √ | | | | | | √ | | | 5.1 | 96.2 | 1:3 | | |
| 5 | 5 | | | | √ | | | | | | √ | | | 5.1 | 96.2 | 1:3 | | |
| 6A | 6 | | √ | | | | | | | | √ | | | 4.6 | 13.7 | 1:4 | | |
| 6A | 7 | | √ | | | | | | | | √ | | | 4.6 | 13.7 | 1:4 | | |
| 6A | 8 | | √ | | | | | | | | √ | | | 4.6 | 11.3 | 1:4 | | |

**Alternate Materials – Helical Corrugated Metal – Aluminum – Size of Corrugations**

| Sheet Number | Note No. on Plans | Riveted, Welded or Lock Seam 1½" x ¼" Plate Thkn. (Inches) | Cross Section ③ | 2⅔" x ½" Plate Thkn. (Inches) | Cross Section ③ | 3" x 1" Plate Thkn. (Inches) | Cross Section ③ | Coating ⑤ | Lock Seam – Smooth Wall Spiral Rib ¾" x ¾" @ 7½" O.C. or ¾" x 1" @ 11½" O.C. Plate Thkn. (Inches) | ⅝" x ¾" @ 12" O.C. Plate Thkn. (Inches) | Cross Section ③ | Coating ⑤ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 4 | | | 0.060 | R | | | U | | | | |
| 5 | 4 | | | 0.060 | R | | | U | | | | |
| 5 | 5 | | | | | | | | | | | |
| 6A | 6 | | | 0.060 | R | | | U | | | | |
| 6A | 7 | | | 0.060 | R | | | U | | | | |
| 6A | 8 | | | | | | | | | | | |

**Alternate Materials – Helical Corrugated Metal – Aluminized or Galvanized Iron and Steel – Size of Corrugations**

| Sheet Number | Note No. on Plans | Riveted, Welded or Lock Seam 1½" x ¼" Plate Thkn. (Inches) | Cross Section ③ | 2⅔" x ½" Plate Thkn. (Inches) | Cross Section ③ | 3" x 1" Plate Thkn. (Inches) | Cross Section ③ | Coating: Galvanized ⑤ | Coating: Aluminized ⑤ | Lock Seam – Smooth Wall Spiral Rib ¾" x ¾" @ 7½" O.C. or ¾" x 1" @ 11½" O.C. Plate Thkn. (Inches) | ⅝" x ¾" @ 12" O.C. Plate Thkn. (Inches) | Cross Section ③ | Coating: Galvanized ⑤ | Coating: Aluminized ⑤ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 4 | | | 0.105 | R | | | | U | | | | | |
| 5 | 4 | | | 0.105 | R | | | | U | | | | | |
| 5 | 5 | | | | | | | | | | | | | |
| 6A | 6 | | | 0.064 | R | | | | U | | | | | |
| 6A | 7 | | | 0.064 | R | | | | U | | | | | |
| 6A | 8 | | | | | | | | | | | | | |

**Rigid, Special, Appurtenances, Extension and Remarks**

| Sheet Number | Note No. on Plans | Rigid – Pre-Cast Concrete ④ Plain 1 | Plain 2 | Plain 3 | Reinf. III | Reinf. IV | Reinf. V | Special: Cast-in-Place Concrete | PVC | HDPE | Ductile Iron | Manholes: Depth, Top of Cover to Invert (Feet) | Diameter of Largest Pipe in Base (In.) | Conc. Precast | Conc. Cast-in-Place | Drop Manhole | Special | Inlets Type "G-2" Number Required | Extension Left (Feet) | Extension Right (Feet) | Extg. Pipe Material ⑥ | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 4 | | | | | √ | | | | | | | | | | | | | | | | |
| 5 | 4 | | | | | √ | | | | | | | | | | | | | | | | Remove Extg. Pipe |
| 5 | 5 | | | | | | | | | | √ | | | | | | | 1 | | | | |
| 6A | 6 | | | | | √ | | | | | | | | | | | | | | | | |
| 6A | 7 | | | | √ | | | | | | | | | | | | | | | | | |
| 6A | 8 | | | | | | √ | | | | | | | | | | | | | | | |

GENERAL NOTES:

1. A check (√) indicates column heading applies.
2. A new pipe culvert installation shall be of like material throughout.
3. Extension of existing metal culverts may be of unlike metal or corrugations. For connecting details, see Standard Drg. No. RD326.
4. Dimensions shown are nominal.
5. All pipes shall conform to the AASHTO specification applicable for the type of material and the diameter of the pipe involved

FOOTNOTES:

① Design height of cover is the critical design height used to select pipe materials. The height of cover for any given run of pipe may vary. Design height of cover shall be measured to subgrade.

② Cross-sectional dimensions may vary with different materials. When galvanized iron or steel and aluminum are acceptable alternates use a separate line for each type of material.

③ Cross-sectional shape of pipe normal to longitudinal axis, prior to loading
- A = Pipe - Arch
- R = Round
- E = Elliptical (5% nominal elongation)

④ Minimum allowable diameter for Class 1 nonreinforced concrete pipe is 15".

⑤ Abbreviations for protective coatings for metal pipe
- PM = Polymeric, ¼" thkn. coated both sides
- PO = Polyethylene inside lining, polymeric outside
- U = Uncoated
- CIM = Chevron industrial membrane
- Ep = Epoxy coated

⑥ Abbreviations for existing pipe materials
- AB = Asbestos cement
- Al = Corrugated aluminum
- Co = Concrete
- Pl = Plastic
- St = Corrugated steel
- X = Other material, see remarks column

■ RD300 Trench Backfill, Bedding, Pipe Zone And Multiple Installations
■ RD302 Street Cut
☐ RD304 Arch Pipe Backfill/Compaction
☐ RD306 Concrete Encasement, Cradle, and Cap Details
☐ RD308 Bore Casing Detail
☐ RD310 Shallow/Deep Trench Service Connection, Blocking and Markers
☐ RD312 Subsurface Drain
☐ RD314 Open Grade HMAC Drainage Details
■ RD316 Sloped Ends For Metal Pipe
☐ RD317 Culvert Embankment Protection
■ RD318 Sloped Ends For Concrete Pipe
☐ RD320 Paved End Slope For Culverts 60" Maximum Pipe Size For Corrugated Metal And Concrete Pipe
☐ RD322 Safety End Section Metal Pipe
☐ RD324 Safety End Section Concrete Pipe
■ RD326 Coupling Bands For Corrugated Metal Pipe
☐ RD328 Slotted C.M.P. Drain Details
☐ RD330 Metal Pipe Slope Anchors
☐ RD332 Concrete Pipe Anchor Detail
☐ RD334 Locator Post
☐ RD336 Standard Storm Sewer Manhole
☐ RD338 Standard Sanitary Sewer Manhole
☐ RD340 Storm Sewer Pollution Control Manhole
☐ RD342 Shallow Manholes
☐ RD344 Standard Manhole Base Section
☐ RD346 Large Precast Manhole
☐ RD348 Manhole With Inlet
☐ RD350 Sanitary Sewer Piped Inside Drop Connection for Manholes
☐ RD352 Outside Drop Manholes
☐ RD354 Carry Through Manhole - Storm
☐ RD356 Manhole Covers And Frames
☐ RD358 Manhole Slope Protectors
☐ RD360 Manhole Frame Adjustment
☐ RD362 Sanitary Cleanout
■ RD364 Concrete Inlets Type G-1, G-2, G-2M, & G-2MA
☐ RD366 Concrete Inlets Type CG-1, CG-2 And Curb Inlet Channel
☐ RD368 Concrete Inlets Type M-E, M-O, B And B-SL
☐ RD370 Ditch Inlet Type D
☐ RD371 Concrete Inlet Base Type CG-3
☐ RD372 Concrete Inlet Top, Option 1 Type CG-3
☐ RD373 Concrete Inlet Top, Option 2 Type CG-3
☐ RD374 Area Drainage Basin Or Field Inlet
☐ RD376 Miscellaneous Drainage Structures Siphon Box, Inlet Cap & Inlet Adjustment
☐ RD378 Type "3" Catch Basin, Frame and Grate
■ RD380 Aluminum & Steel Corrugated Pipe Fill Height Tables
☐ RD382 Aluminum & Steel Arch Pipe Fill Height Tables
☐ RD384 Aluminum & Steel Spiral Rib Pipe Fill Height Tables
■ RD386 Circular Concrete Pipe Fill Height Table
☐ RD388 Fill Height Table For PVC Pipe
☐ RD390 Fill Height Table For HDPE Pipe

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REGION 2 TECH CENTER

US26: VOLMER CREEK BRIDGE & JOHNSON CREEK BRIDGE PROJECT
SUNSET HIGHWAY
CLATSOP COUNTY

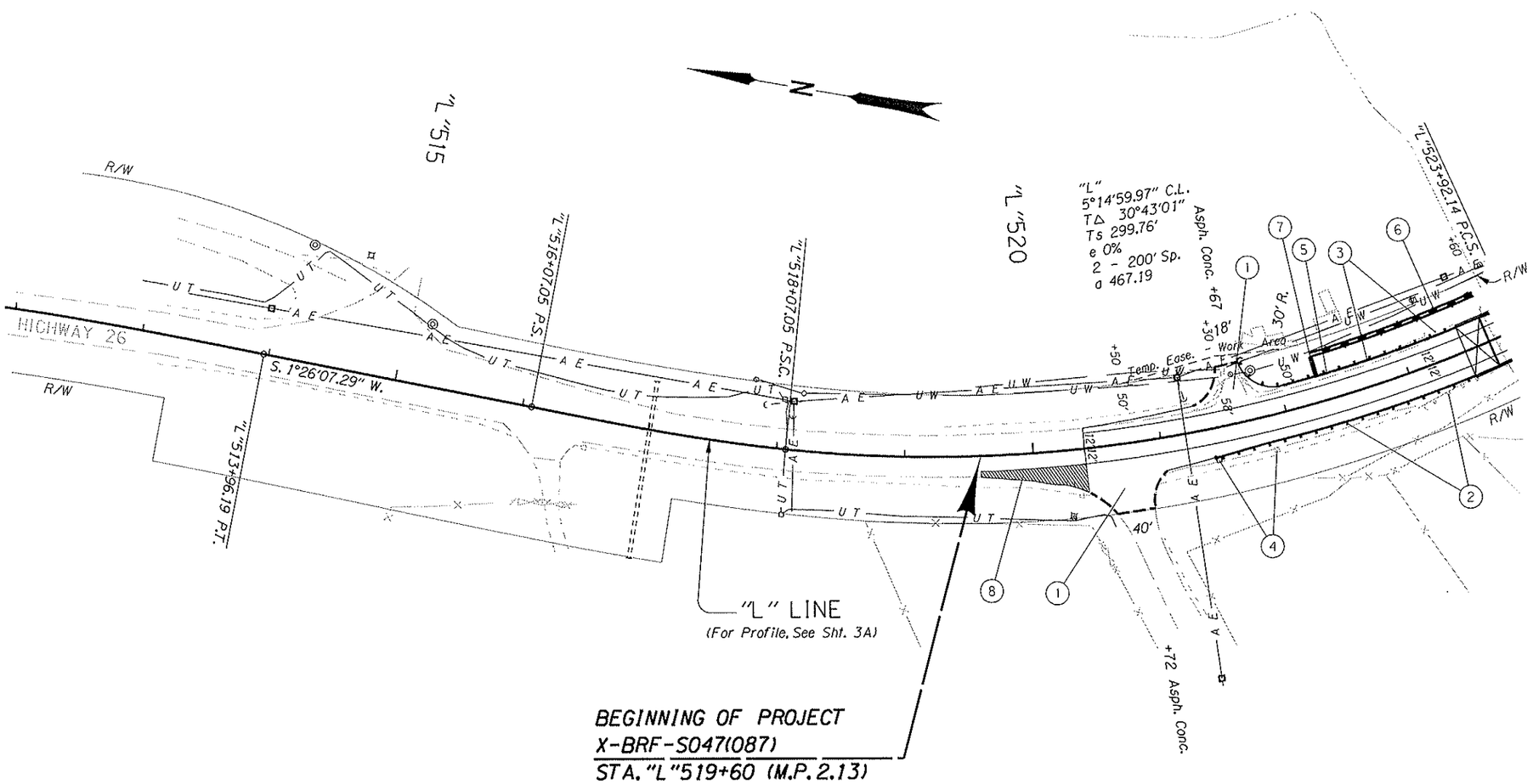
Design Team Leader - Carol Cartwright
Designed By - Eliseo Lemus M.
Drafted By - Larry D. Garrison

PIPE DATA SHEET

SHEET NO. 2D

Sec. 14, T. 5 N., R. 10 W., W.M.

FINAL REVIEW PLANS




1. Const. Paved Approach - 2
(See Drg. No. RD715)

2. Sta. "L" 521+41.03 To Sta. "L" 523+47, Rt.
Remove Extg. Guardrail - 137.6'
Const. Guardrail - 137.5' (Type 2A)
- 12.5' (Type 3)
Flare Rate=0, W=1', E=2'
Const. Guardrail Terminal, Non-flared
(Test Level 3)
Const. Guardrail To Bridge Transition
(See Drg. Nos. RD400, RD410,
RD415, RD420, RD440, BR203 & BR209)

3. Sta. "L" 521+73.8 To Sta. "L" 523+47, Lt.
Remove Extg. Guardrail - 87.1'
Const. Guardrail - 120.67' (Type 2A)
- 29.33' (Type 2A) (30' Radius)
- 12.5' (Type 3)
Const. Anchor - 2 (Type 1 Mod.)
Inst. End Piece (Type B)
Const. Guardrail To Bridge Transition
(See Drg. No. RD450)

4. Sta. "L" 521+40, 20.94' Rt.
Remove & Reinstall Mailbox Support
(See Drg. Nos. RD100 & RD101)

5. Sta. "L" 522+30 To Sta. "L" 523+47, Lt.
Const. P.C. Conc. Drainage Curb
(For Details, See Sht. 2B-3)
(See Drg. No. RD700)

6. Sta. "L" 522+30 To Sta. "L" 523+70, Lt.
Const. Water Biofiltration Swale - 170'
(For Details, See Sht. GN-2)

7. Sta. "L" 522+30, Lt.
Const. Slope Protection
(For Details, See Sht. 2B-3)

8. Sta. "L" 519+60 To Sta. "L" 520+40, Rt.
Const. Shoulder Leveling
(For Details, See Sht. 2B-3)

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SUNSET HIGHWAY
CLATSOP COUNTY

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Designed By - Eliseo Lemus M.
Drafted By - Larry D. Garrison

GENERAL CONSTRUCTION

SHEET NO. 3

FINAL REVIEW PLANS

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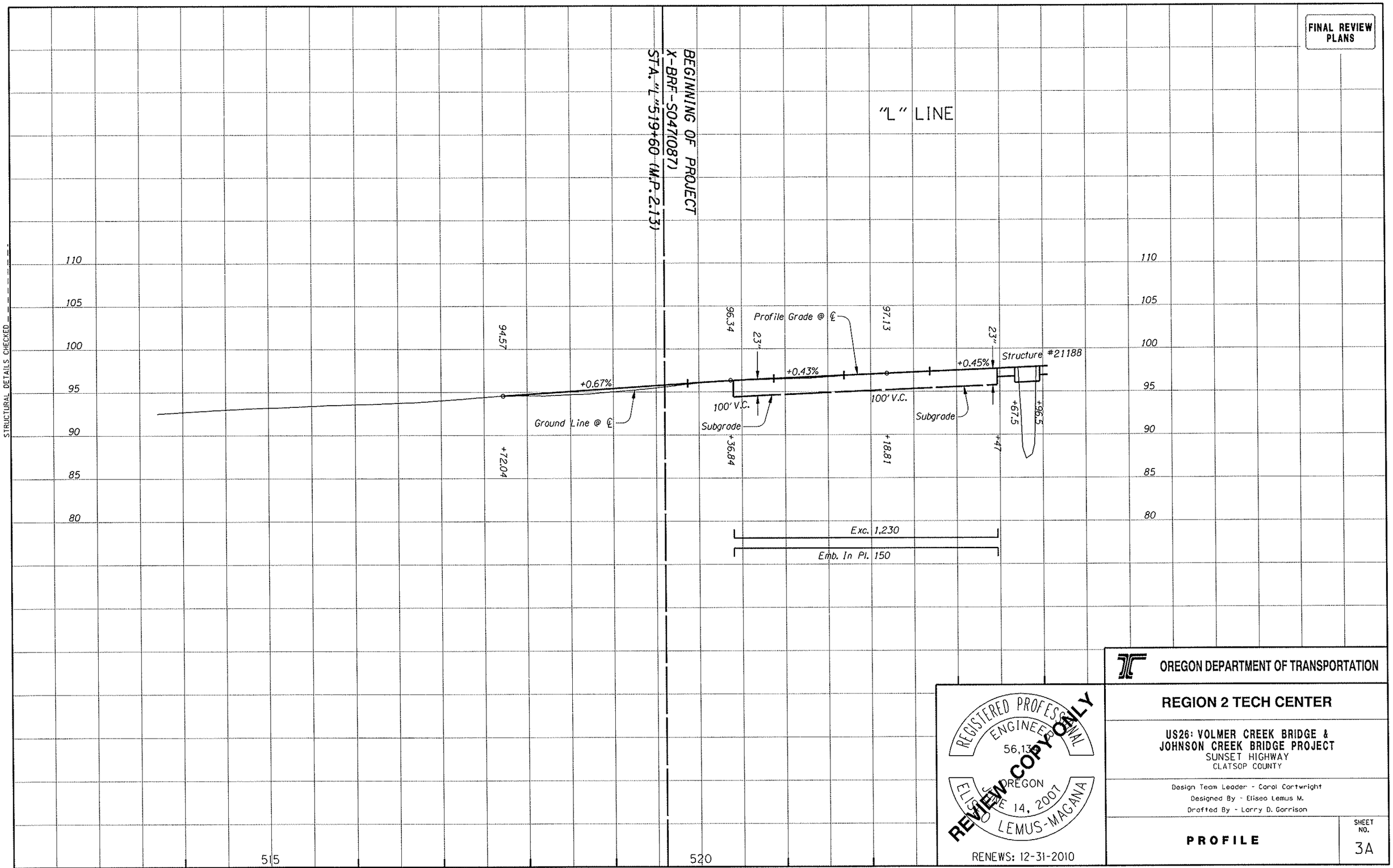


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SUNSET HIGHWAY
CLATSOP COUNTY

Design Team Leader - Carol Cartwright
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Drafted By - Larry D. Garrison

**PROFILE**

SHEET NO. 3A

Sec. 14, T. 5 N., R. 10 W., W.M.

FINAL REVIEW PLANS

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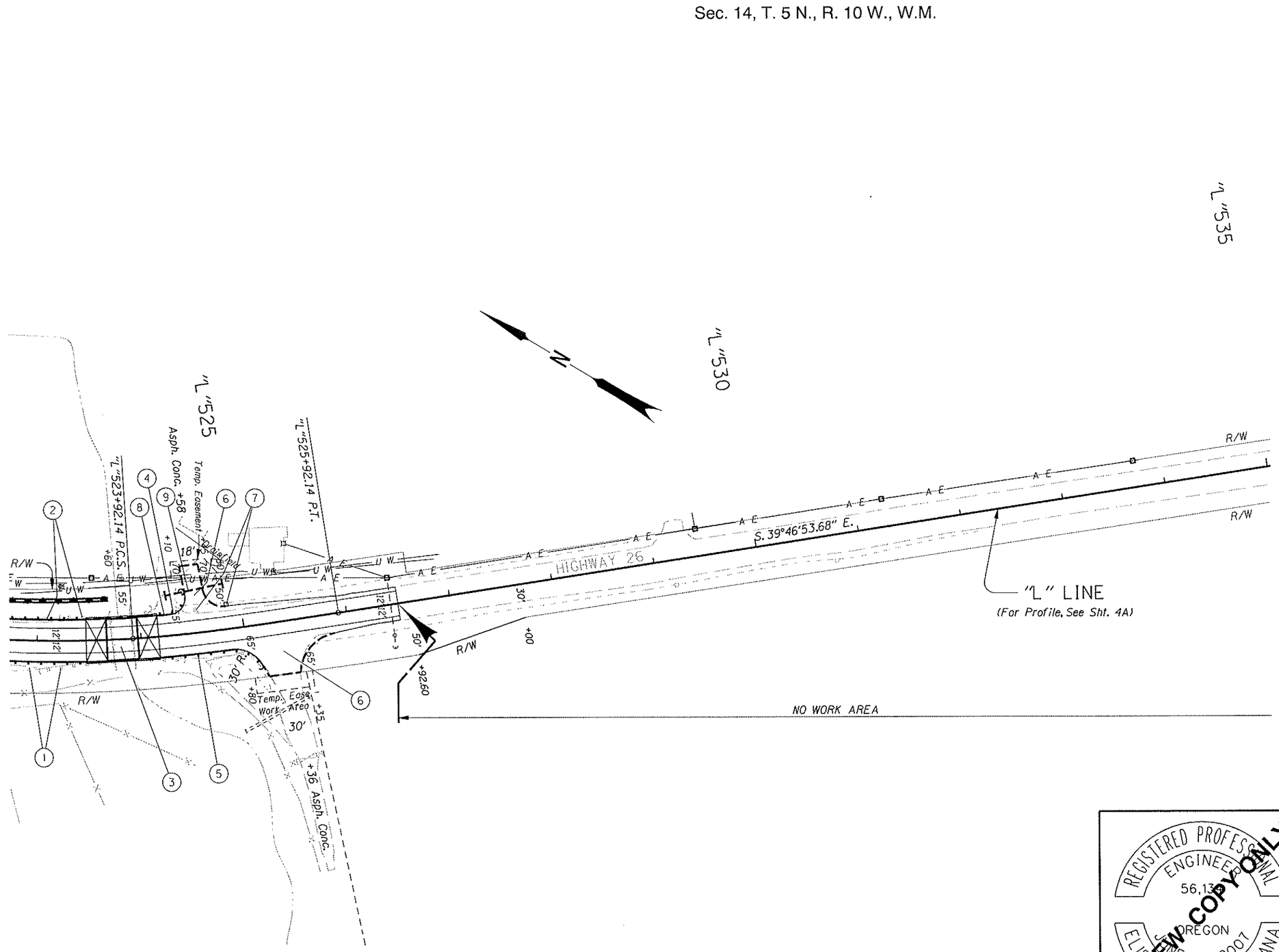


1. See Sht. 3, Note 2
   Remove Extg. Guardrail
   Const. Guardrail

2. See Sht. 3, Note 3
   Remove Extg. Guardrail
   Const. Guardrail

3. Structure No. 21188
   Remove Extg. Structure
   Const. Structure - 29'
   Rdwy. Width - 40'
   With Reinforced Panel At Bridge Ends
   (For Drg. Nos., See Sht. 1A)

4. Sta. "L"524+17 To Sta. "L"524+44.6, Lt.
   Const. Guardrail - 18.75' (Type 4) (16' Radius)
   Inst. End Piece (Type B)
   Const. Guardrail To Bridge Transition
   (For Details, See Sht. 2B)

5. Sta. "L"523+17 To Sta. "L"525+12.96, Rt.
   Const. Guardrail - 37.5' (Type 2A)
   - 37.5' (Type 2A) (30' Radius)
   - 12.5' (Type 3)
   Const. Anchor - 2 (Type 1 Mod.)
   Inst. End Piece (Type B)
   Const. Guardrail To Bridge Transition

6. Const. Paved Approach - 2

7. Sta. "L"524+86, 22' Lt.
   Remove & Reinstall Mailbox Support

8. Sta. "L"524+17 To Sta. "L"524+30, Lt.
   Const. P.C. Conc. Drainage Curb
   (For Details, See Sht. 2B-2)

9. Sta. "L"524+27 To Sta. "L"524+84, Lt.
   Inst. 18" Culv. Pipe - 56'
   5' Depth

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SUNSET HIGHWAY
CLATSOP COUNTY

Design Team Leader - Carol Cartwright
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Drafted By - Larry D. Garrison

GENERAL CONSTRUCTION

SHEET NO. 4

FINAL REVIEW PLANS

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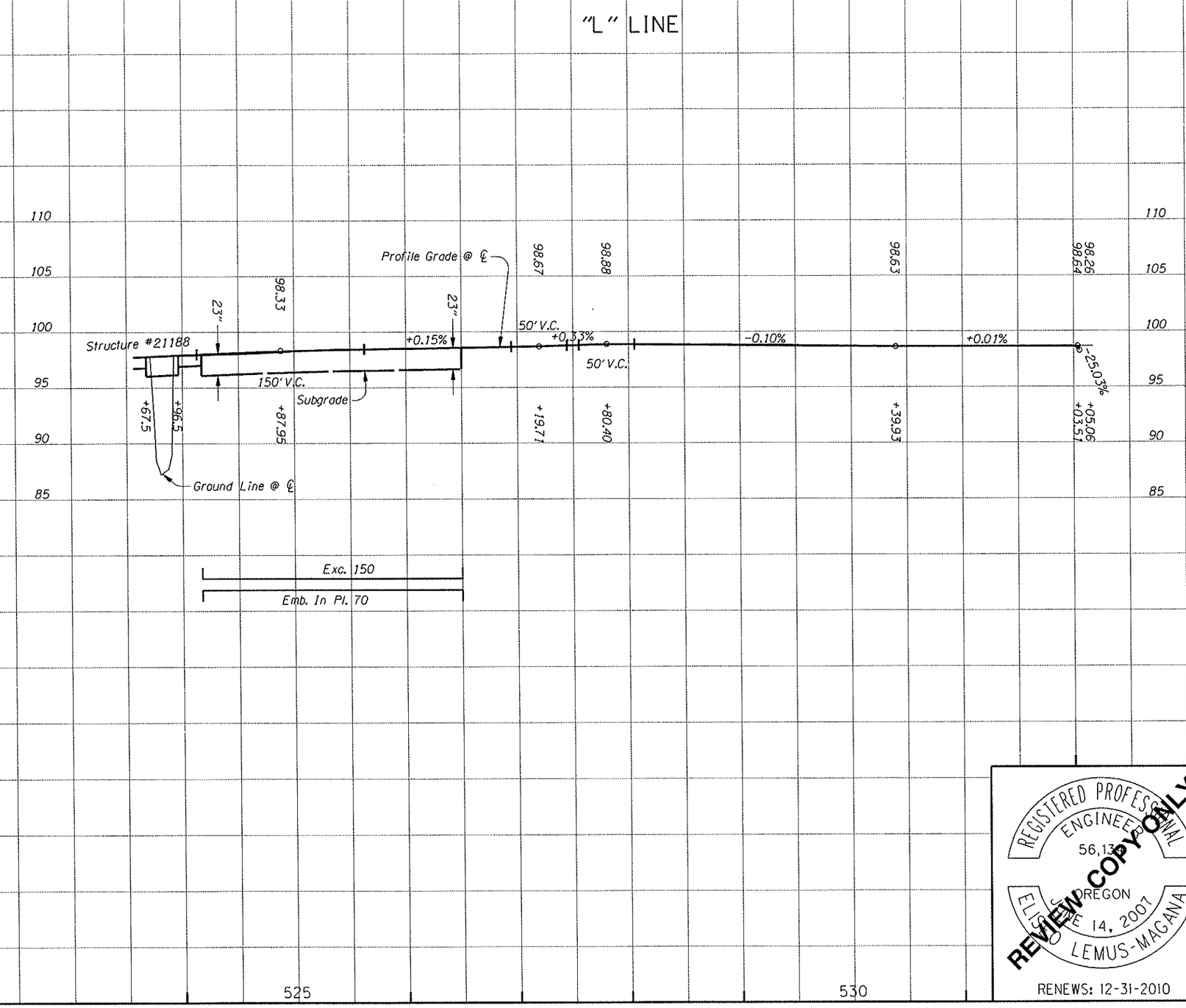


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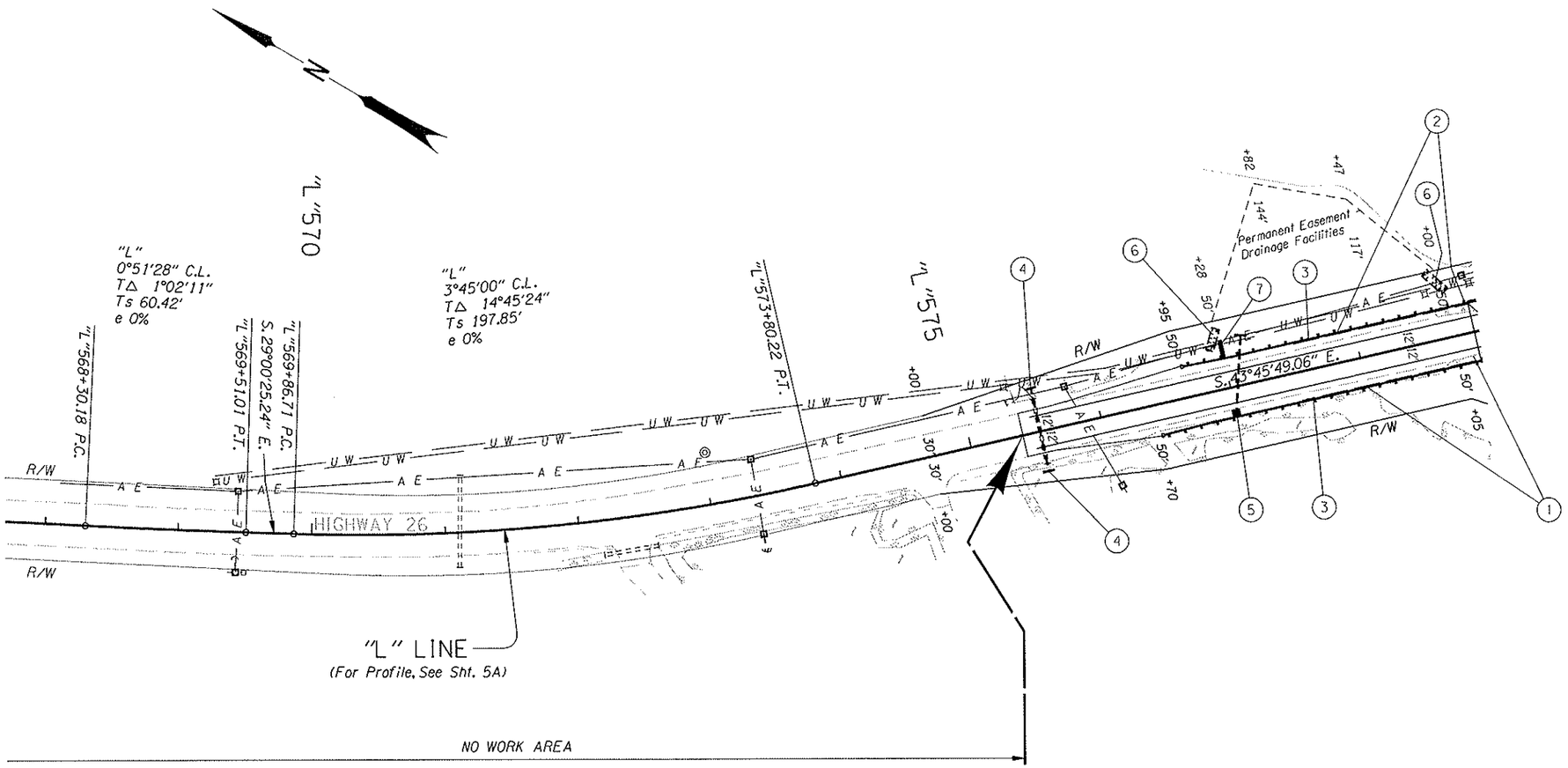
PROFILE

SHEET NO. 4A

Sec. 23, T. 5 N., R. 10 W., W.M.

FINAL REVIEW PLANS




1. Sta. "L"576+44.53 To Sta. "L"578+88, Rt.
   Remove Extg. Guardrail - 136.46'
   Const. Guardrail - 175' (Type 2A)
   - 12.5' (Type 3)
   Flare Rate=0, W=1', E=2'
   Const. Guardrail Terminal, Non-flared
   (Test Level 3)
   Const. Guardrail To Bridge Transition

2. Sta. "L"576+69.53 To Sta. "L"578+88, Lt.
   Remove Extg. Guardrail - 137.49'
   Const. Guardrail - 150' (Type 2A)
   - 12.5' (Type 3)
   Flare Rate=0, W=1', E=2'
   Const. Guardrail Terminal, Non-flared
   (Test Level 3)
   Const. Guardrail To Bridge Transition

3. Sta. "L"577+00 To Sta. "L"578+88, Lt. & Rt.
   Const. P.C. Conc. Drainage Curb
   (For Details, See Sht. 2B-3)

4. Sta. "L"575+52.97
   Remove Extg. Pipe - 49.5'
   Inst. 18" Culv. Pipe - 71'
   5' Depth
   (See Drg. Nos. RD300 & RD302)

5. Sta. "L"577+00
   Const. Type "G-2" Inlet
   Inst. 18" Culv. Pipe - 54'
   5' Depth
   (See Drg. No. RD364)

6. Sta. "L"576+92 &
   Sta. "L"578+66, Lt.
   Const. Earthen Berm
   (For Details, See Sht. 2B-3)

7. Sta. "L"577+00, Lt.
   Const. Slope Protection
   (For Details, See Sht. 2B-3)

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CLATSOP COUNTY

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Drafted By - Larry D. Garrison

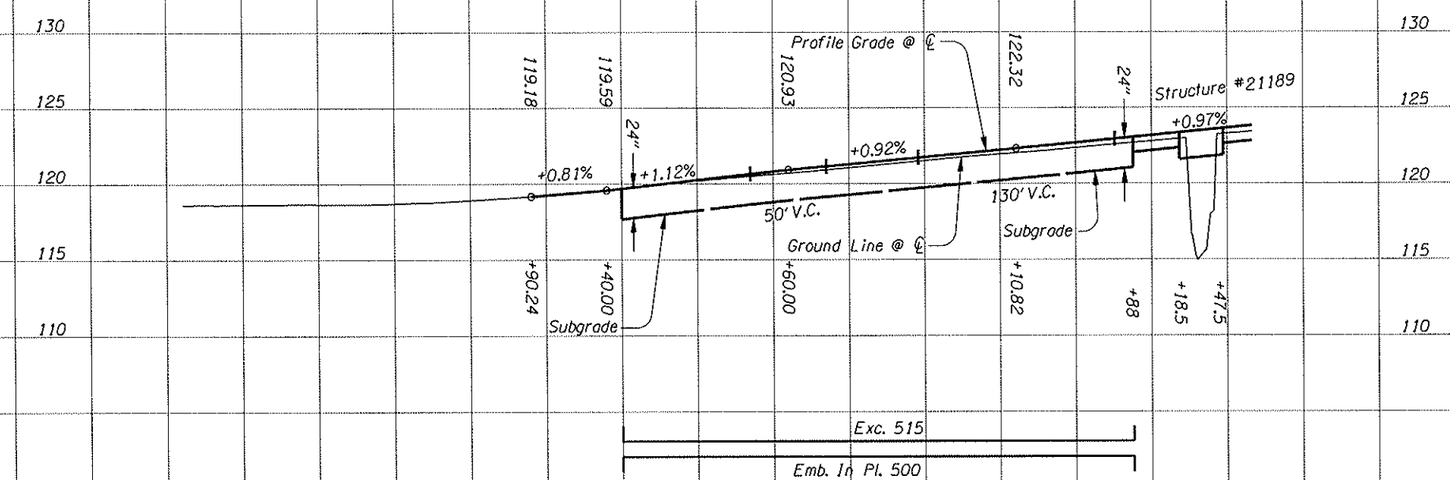
GENERAL CONSTRUCTION

SHEET NO. 5

FINAL REVIEW PLANS

STRUCTURAL DETAILS CHECKED

# "L" LINE

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SUNSET HIGHWAY
CLATSOP COUNTY

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Drafted By - Larry D. Garrison

**PROFILE**

SHEET NO. 5A

T. 5 N., R. 10 W., W.M.

FINAL REVIEW PLANS

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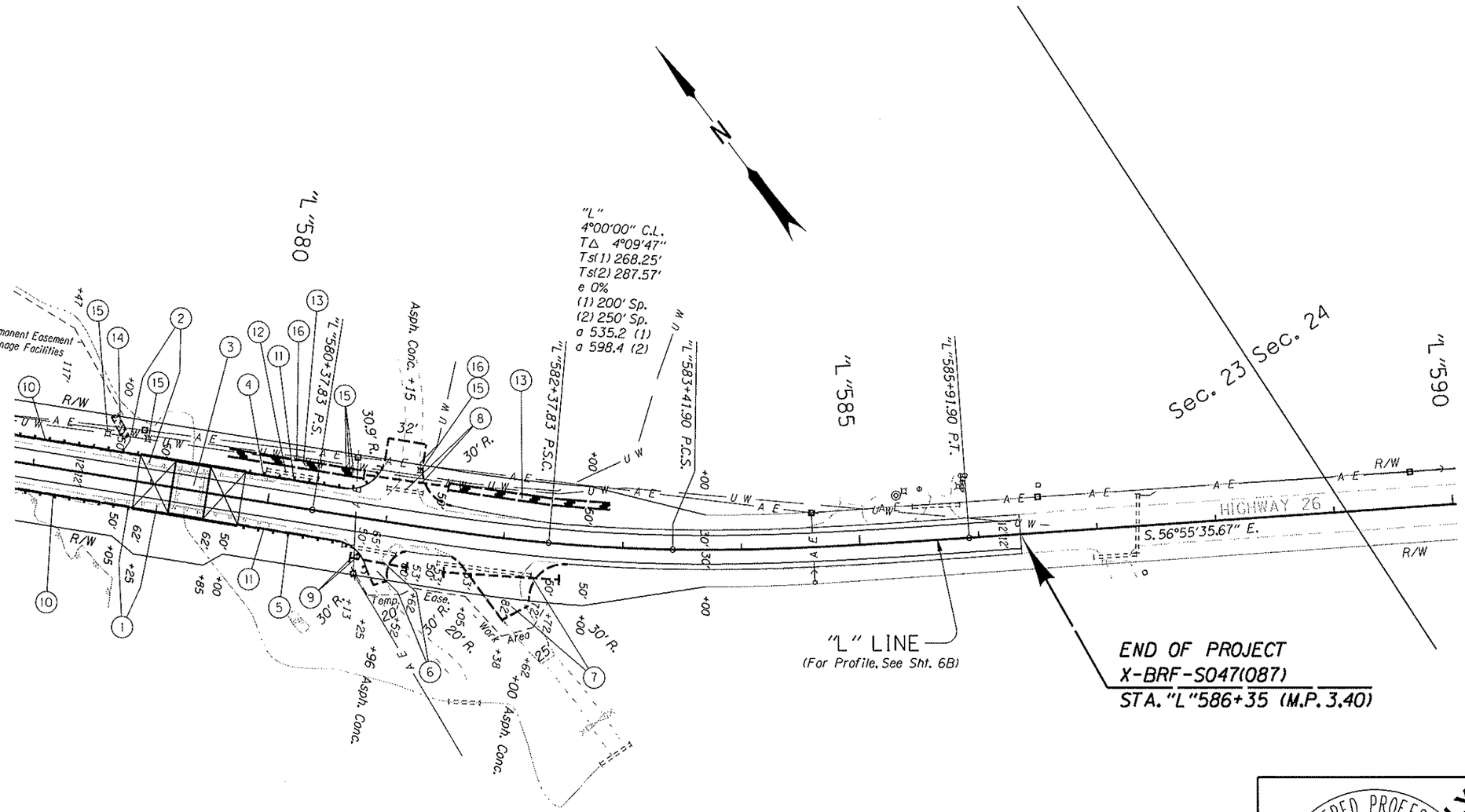


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SUNSET HIGHWAY
CLATSOP COUNTY

Design Team Leader - Carol Cartwright
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Drafted By - Larry D. Garrison

GENERAL CONSTRUCTION

SHEET NO. 6

FINAL REVIEW PLANS

STRUCTURAL DETAILS CHECKED _____

(1) See Sht. 5, Note 1
Remove Extg. Guardrail
Const. Guardrail

(2) See Sht. 5, Note 2
Remove Extg. Guardrail
Const. Guardrail

(3) Structure No. 21189
Remove Extg. Structure
Const. Structure - 29'
Rdwy. Width - 44'
With Reinforced Panel At Bridge Ends
(For Drg. Nos., See Sht. 1A)

(4) Sta. "L"579+78 To Sta. "L"580+90, Lt.
Const. Guardrail - 50' (Type 2A)
- 37.5' (Type 2A) (30.9' Radius)
- 12.5' (Type 3)
Const. Anchor - 2 (Type 1 Mod.)
Inst. End Piece (Type B)
Const. Guardrail To Bridge Transition

(5) Sta. "L"579+78 To Sta. "L"580+92, Rt.
Const. Guardrail - 50' (Type 2A)
- 37.5' (Type 2A) (30' Radius)
- 12.5' (Type 3)
Const. Anchor - 2 (Type 1 Mod.)
Inst. End Piece (Type B)
Const. Guardrail To Bridge Transition

(6) Const. Paved Approach
Remove Extg. Pipe - 47.3'
Inst. 24" Culv. Pipe - 46'
5' Depth

(7) Const. Paved Approach
Remove Extg. Pipe - 79.6'
Inst. 24" Culv. Pipe - 98'
5' Depth

(8) Const. Paved Approach
Remove Extg. Pipe - 30.5'
Inst. 18" Culv. Pipe - 72'
5' Depth

(9) Sta. "L"580+80, 33' Rt.
Remove & Reinstall Mailbox Support

(10) See Sht. 5, Note 3
Const. Asph. Conc. Drainage Curb

(11) Sta. "L"579+78 To Sta. "L"580+40, Lt. & Rt.
Const. P.C. Conc. Drainage Curb
(For Details, See Sht. 2B-3)

(12) Remove Extg. Culv. Pipe

(13) Sta. "L"579+48 To Sta. "L"580+94, Lt.
Sta. "L"581+32.5 To Sta. "L"582+80, Lt.
Const. Water Biofiltration Swale
(For Details, See Sht. GN-2)

(14) See Sht. 5, Note 6
Const. Earthen Berm

(15) Adjust Water Meter - 6

(16) Adjust Boxes - 2

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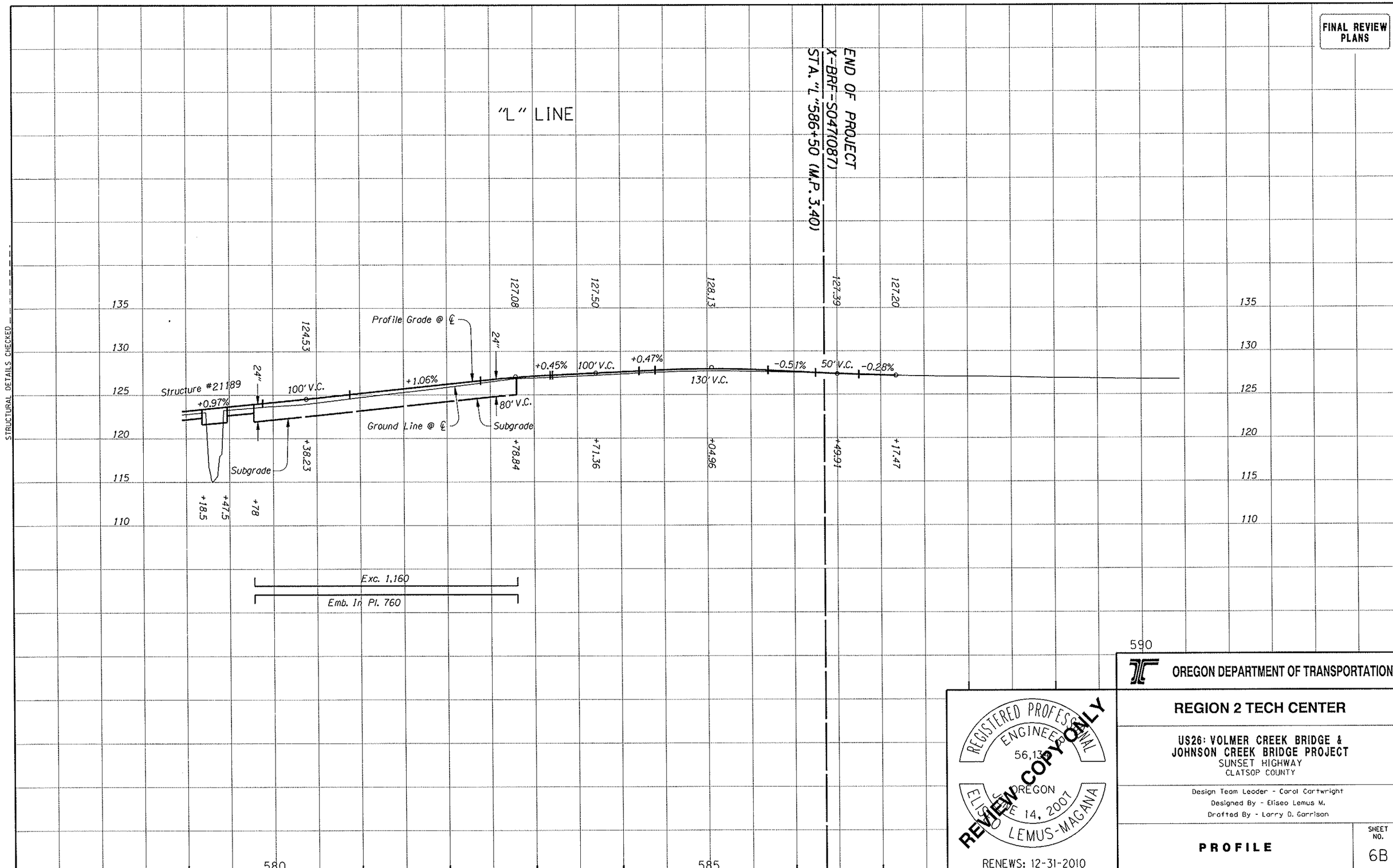
CLATSOP COUNTY

Design Team Leader - Carol Cartwright
Designed By - Eliseo Lemus M.
Drafted By - Larry D. Garrison

GENERAL CONSTRUCTION

SHEET NO. 6A

FINAL REVIEW PLANS

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CLATSOP COUNTY

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PROFILE

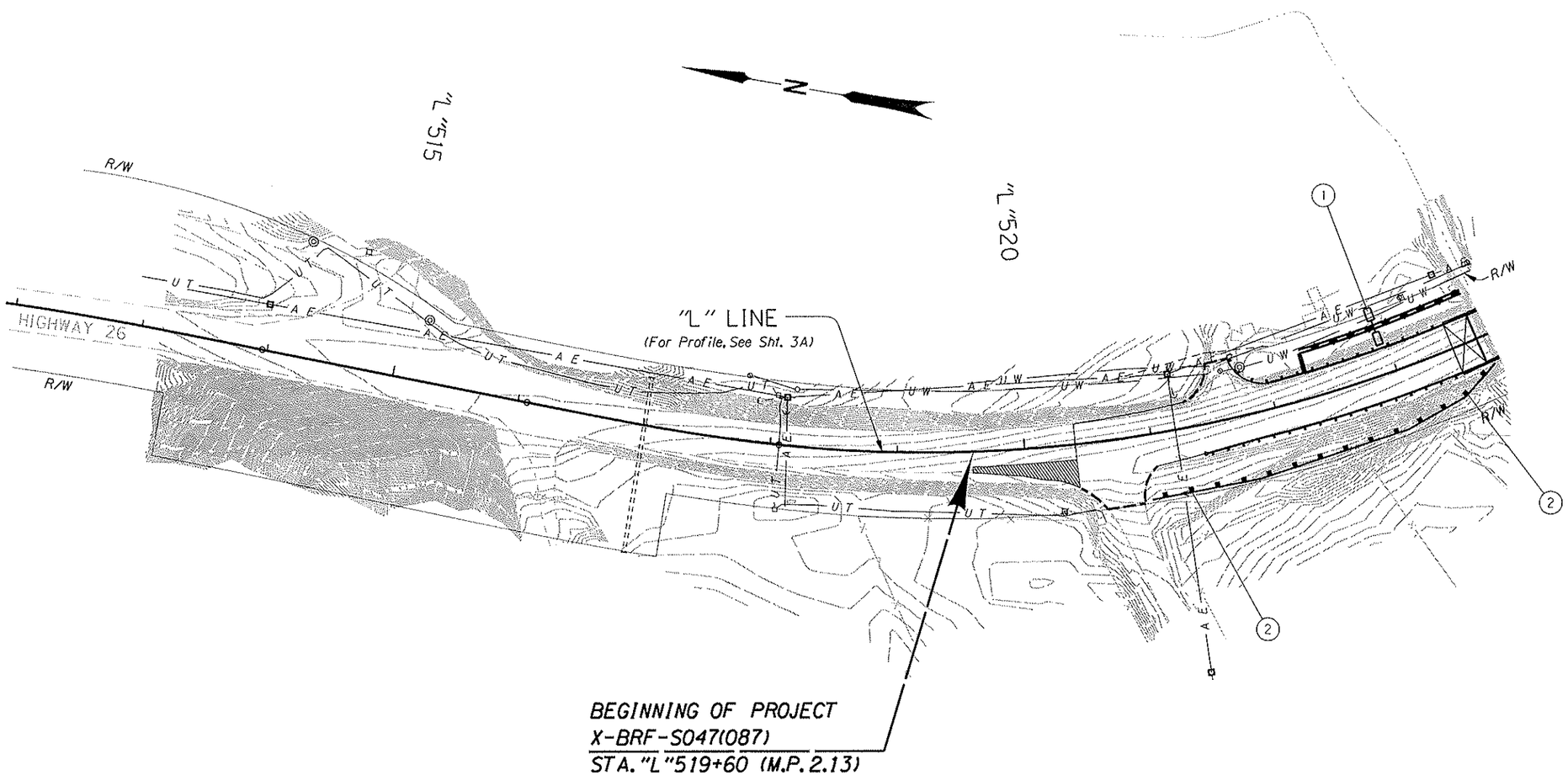
SHEET NO. 6B

Sec. 14, T. 5 N., R. 10 W., W.M.

FINAL REVIEW PLANS

(1) Const. Check Dam (See Drg. No. RD1005)

(2) Const. Sediment Fence Unsupported (See Drg. No. RD1040)




GENERAL NOTES:

The Construction, Adjustment, Maintenance, And Upgrading Of These Erosion Control Measures Is The Responsibility Of The Contractor For The Duration Of The Project.

Erosion Control Measures Shown On This Plan Are For Anticipated Site Conditions. Adjust Or Upgrade These Measures For Unexpected Storm Events To Ensure That Sediment And Sediment-Laden Water Does Not Leave The Site.

Develop A Revised Plan Of The Erosion Control Measures Shown As Required By Section 00280, Oregon Standard Specifications For Construction. Implement This Plan For All Clearing And Grading Activities And In Segments Applicable To Each Staging Phase. Construct In Such A Manner So As To Ensure That Sediment And Sediment-Laden Water Does Not Enter The Roadway Or Drainage System, Or Violate Applicable Water Standards.

Install Measures Within The Right-of-Way Unless Directed Otherwise.

Construct Sediment Fence 5 Feet Downslope From The Toe Of Fill Slopes Where Sediment-Laden Water Has A Potential Of Entering Waterways Or Leaving The R/W.

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OREGON DEPARTMENT OF TRANSPORTATION

REGION 2 TECH CENTER

US26: VOLMER CREEK BRIDGE & JOHNSON CREEK BRIDGE PROJECT
SUNSET HIGHWAY
CLATSOP COUNTY

Design Team Leader - Carol Cartwright
Designed By - Eliseo Lemus M.
Drafted By - Larry D. Garrison

EROSION CONTROL PLAN

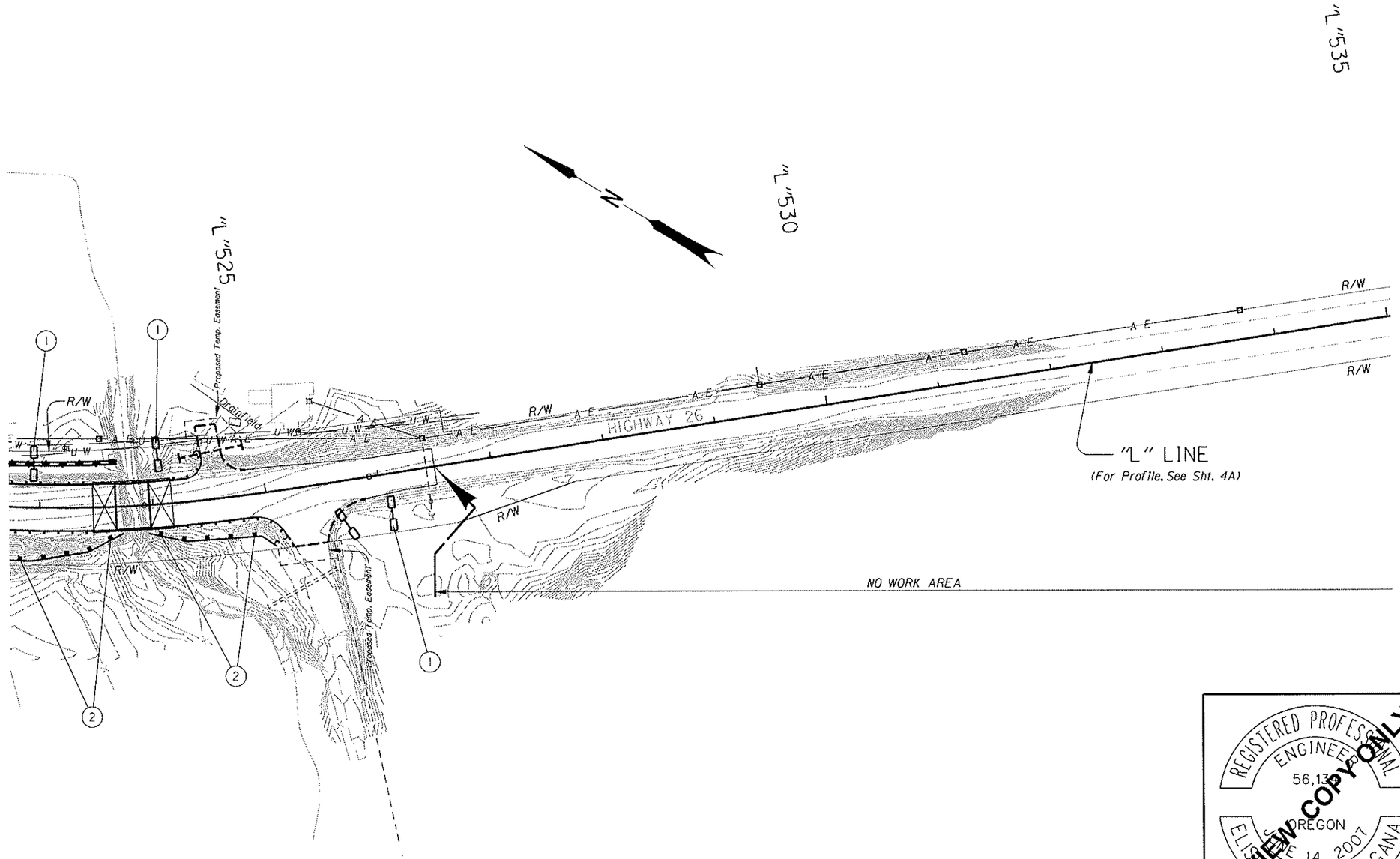
SHEET NO. GA

Sec. 14, T. 5 N., R. 10 W., W.M.

FINAL REVIEW PLANS

(1) Const. Check Dam

(2) Const. Sediment Fence Unsupported




OREGON DEPARTMENT OF TRANSPORTATION

REGION 2 TECH CENTER

US26: VOLMER CREEK BRIDGE & JOHNSON CREEK BRIDGE PROJECT
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EROSION CONTROL PLAN

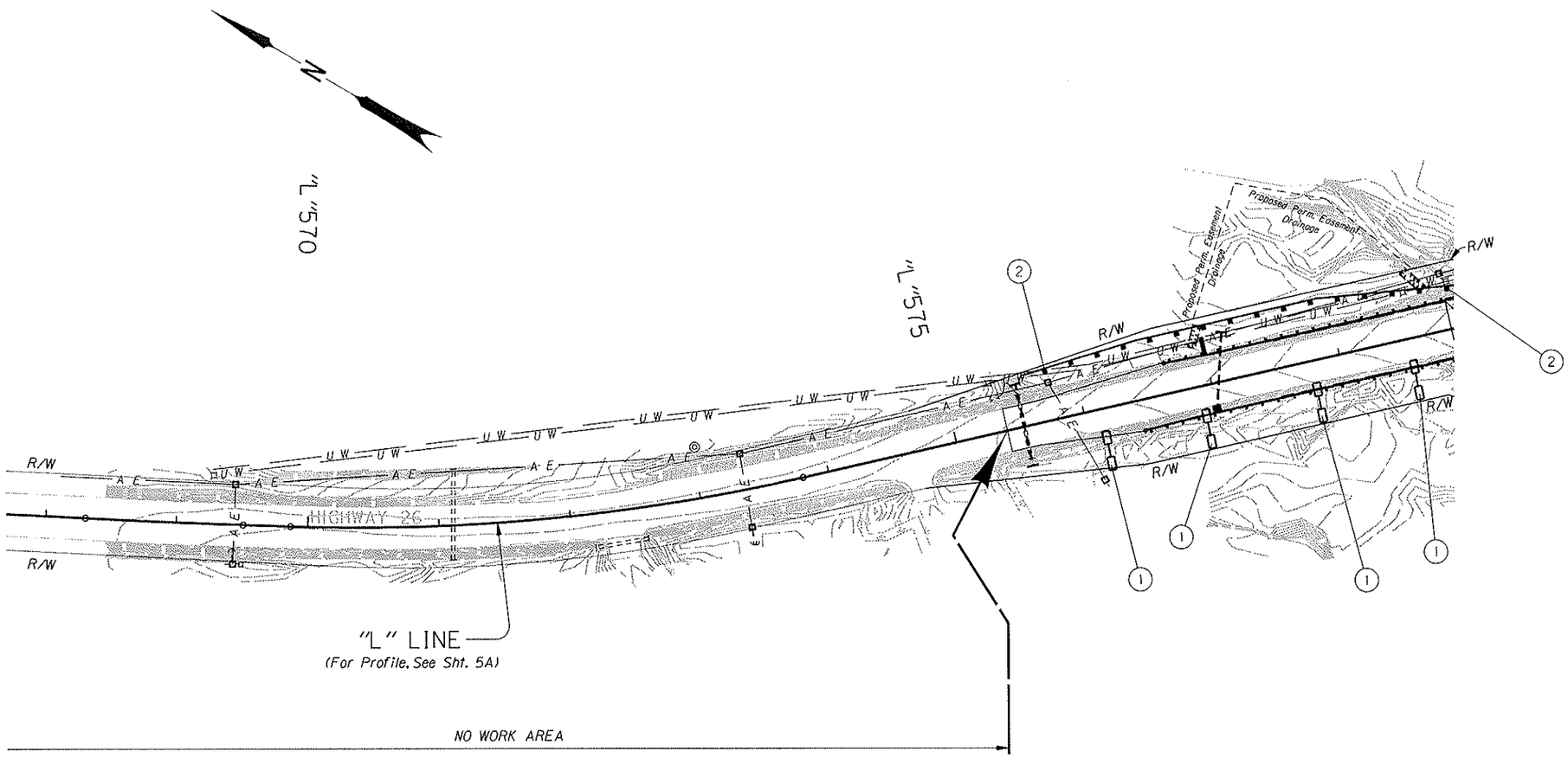
SHEET NO. GA-2

Sec. 23, T. 5 N., R. 10 W., W.M.

FINAL REVIEW PLANS

(1) Const. Check Dam

(2) Const. Sediment Fence Unsupported




OREGON DEPARTMENT OF TRANSPORTATION

REGION 2 TECH CENTER

US26: VOLMER CREEK BRIDGE & JOHNSON CREEK BRIDGE PROJECT
SUNSET HIGHWAY
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EROSION CONTROL PLAN

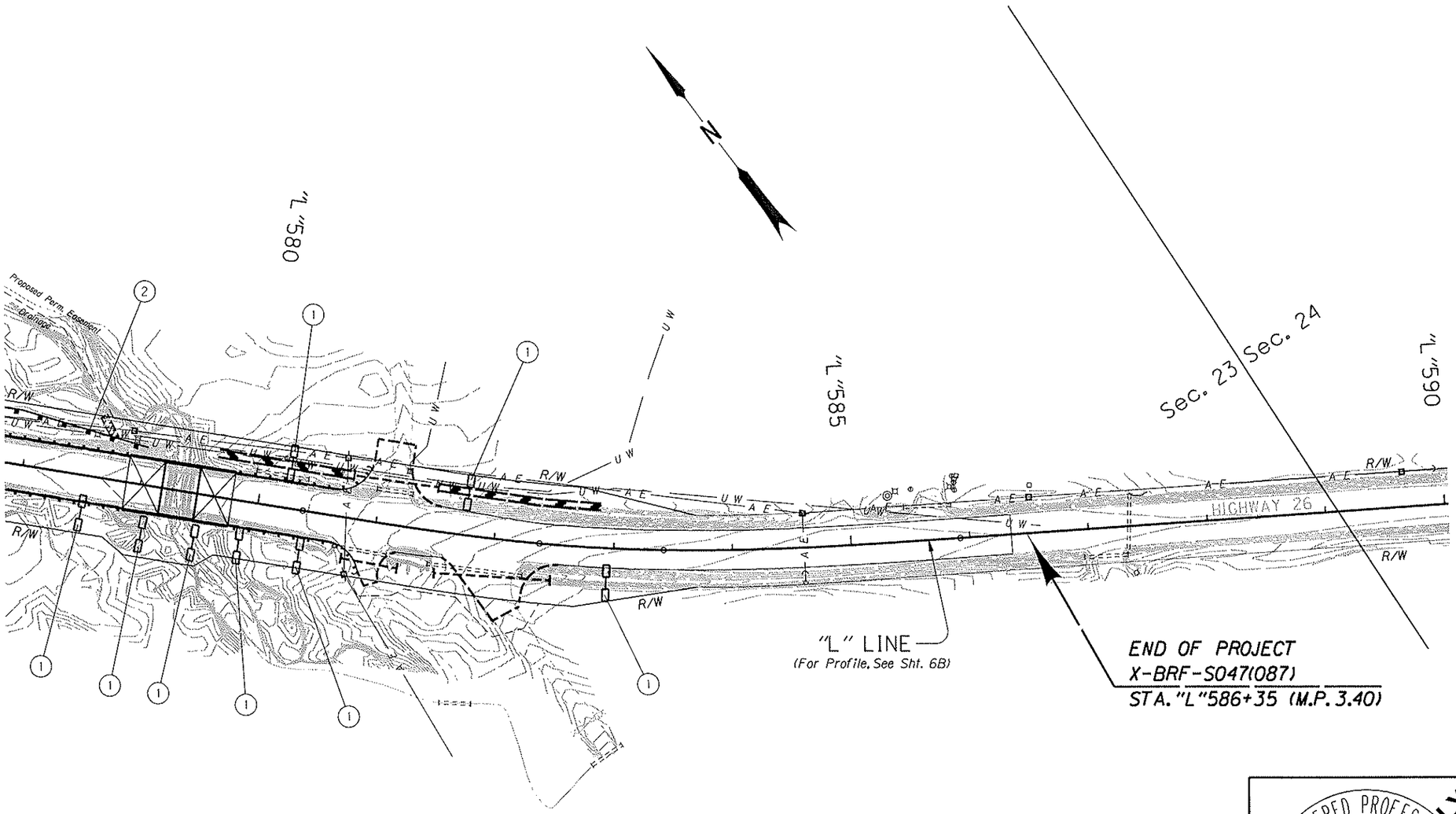
SHEET NO. GA-3

T. 5 N., R. 10 W., W.M.

FINAL REVIEW PLANS

(1) Const. Check Dam

(2) Const. Sediment Fence Unsupported




OREGON DEPARTMENT OF TRANSPORTATION

REGION 2 TECH CENTER

US26: VOLMER CREEK BRIDGE & JOHNSON CREEK BRIDGE PROJECT
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EROSION CONTROL PLAN

SHEET NO. GA-4