



Oregon

Theodore R. Kulongoski, Governor

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DATE: April 23, 2009

Addenda No. 2

TO: PLAN HOLDERS

PREPARED BY: Michelle F. Wright

APPROVED BY: Thomas A. Wells P.E.

SUBJECT: OR7: Dewey Ave. UPRR U'xing (Baker City) Section
Whitney Highway
Baker County
Structure and Paving Project
(Bids to be opened and read April 30, 2009)

The following changes are made to the Project Bid Booklet:

1. The following changes are made to the Project Bid Items:

a. Quantity and Unit changes:

<u>Number</u>	<u>Item</u>	<u>Unit</u>		<u>Quantity</u>	
		<u>Original</u>	<u>New</u>	<u>Original</u>	<u>New</u>
0370	Inject and Seal Cracks	LS	FOOT	1	240

b. Quantity changes:

<u>Number</u>	<u>Item</u>	<u>Quantity</u>	
		<u>Original</u>	<u>New</u>
0200	Drainage Geotextile, Type 1	270	320

c. Deleted items:

<u>Number</u>	<u>Item</u>
0330	Shoring, Cribbing and Cofferdams

OR7: Dewey Ave. UPRR U'xing (Baker City) Section
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 Structure and Paving Project
 (Bids to be opened and read April 30, 2009)

Addenda No. 2

- 0340 Structure Excavation
- 0350 Granular Wall Backfill
- 0360 Reinforcement
- 0380 Foundation Concrete, Class 3300
- 0410 Prefabricated Pedestrian Bridge
- 0440 Handrail
- 0450 Retaining Wall, Cast in Place
- 0460 Retaining Wall, Conventional Segmental

d. Added items:

<u>Number</u>	<u>Item</u>	<u>Unit</u>	<u>Quantity</u>
0740	Concrete Inlet Caps	EACH	1
0750	Metal Handrail, 1 Rail	FOOT	450
0760	Metal Handrail, 2 Rails	FOOT	19.5
0770	Rock Mulch	LS	1

Structure No. 06531

<u>Number</u>	<u>Item</u>	<u>Unit</u>	<u>Quantity</u>
0780	Bridge Removal Work	LS	1
0790	Shoring, Cribbing and Cofferdams	LS	1
0800	Structure Excavation	LS	1
0810	Granular Wall Backfill	LS	1
0820	Granular Structure Backfill	LS	1
0830	Reinforcement	LS	1
0840	Foundation Concrete, Class 4000	CUYD	150

Structure No. 21140

<u>Number</u>	<u>Item</u>	<u>Unit</u>	<u>Quantity</u>
0850	Structure Excavation	LS	1
0860	Granular Wall Backfill	LS	1
0870	Granular Structure Backfill	LS	1
0880	Reinforcement	LS	1
0890	Foundation Concrete, Class 3300	LS	1
0900	Prefabricated Pedestrian Bridge	LS	1
0910	Retaining Wall, Conventional Segmental	SQFT	130

e. Name changes:

<u>Number</u>	<u>Item</u>
0300	Clean-out Existing Inlets and Drains

Make a copy of and use the new attached Bid Sheets. A Bid **not** including these new Bid Sheets **will be rejected as non-responsive**.

The following changes are made to the Project Special Provisions:

1. **Subsection 00220.02 Public Safety and Mobility** - The paragraph that begins with the words "All work to the northeast..." is deleted.
2. **Subsection 00220.40(e) Lane Restrictions** - The 1st sentence of the paragraph that begins with the words "This project will utilize..." is replaced with the following:

The road closure is allowed from July 6th through August 21, 2009.

3. **Subsection 00290.42 Work Containment Plan and System** - The following subsection is added after subsection 00290.34(b):

00290.42 Work Containment Plan and System - A work containment plan (WCP) and a work containment system (WCS) are required on this Project for demolition and concrete activities near Settlers Slough.

Develop and submit a WCP for approval at least 28 Calendar Days prior to mobilization for demolition and concrete activities. Maintain a copy of the WCP on the Project Site at all times during construction, readily available to employees and inspectors. Ensure that all employees comply with the provisions of the WCP. Design the WCP to avoid or minimize disturbance to protected features (property, sensitive cultural or natural resources, the Regulated Work Area, or other features identified by Agency) related to Contractor operations.

Before developing the WCP, meet with Agency to review the Contractor's activities that require a WCP and WCS and to ensure that all parties understand the locations of protected features to be avoided and the measures needed to avoid and protect them.

Notify the Project Manager at least 10 Calendar Days before beginning WCS construction activities.

The Agency reserves the right to stop work and require the Contractor to change the WCP methods and equipment before any additional Contract work, at no additional cost to the Agency, if and when, in the opinion of the Agency, that such methods jeopardize the safety of traffic, the integrity of the new structure, damage protected features, or destroy aquatic life or habitat in the Regulated Work Area.

Provide a WCP and a WCS according to the following:

(a) Work Containment Plan (WCP) - The WCP shall identify the prevention of delivery of construction debris, material or other contaminants to protected features, caused by the Contractor's construction operations including but not limited to mobilization, construction, maintenance, and demolition. Implement the WCP as approved. The WCP shall:

- Include relevant construction, operation, or demolition activities.
- Include a work area isolation plan and a work containment system to provide complete containment measures that prevent construction waste, debris, rubble (for example: dust, concrete debris and saw cutting by-products, welding slag, and grindings) and work materials from damaging protected features.
- Not require any tree removal, clearing, or grubbing, unless approved by the Project Manager.
- Prohibit the use of treated timber.
- Prohibit the use of concrete form release agents within waters of the State and U.S., wetlands, drainage ditches, water quality facilities, or other water conveyances.

(b) Work Containment System (WCS) - The WCS shall consist of a containment system that is in place before (repair) (removal) work begins, as described in the WCP. Design the containment system for not less than the system self-weight plus 25 psf live loading, or system self-weight plus debris weight plus removal equipment weight, or load combinations. Debris weight includes the possibility of a concrete form failure, concrete spills, and any other construction material load imposed on the containment system.

The WCS shall show specific attention to the need for special care in demolition work. Provide all required shoring, bracing, barricades, fencing, and other devices that may be required, and exercise all necessary precautions to fully protect pedestrian, vehicular, and navigation traffic, and to minimize disturbance to protected features and to prevent damage to the new bridge or other structures.

4. Subsection **00330.00 Scope** – This subsection is added:

00330.00 Scope - The following paragraph is added to the end of this subsection:

Construction of the earth berm at Station 570+00 Left is incidental to the earthwork. Removal of the existing reinforced concrete pavement is included in the earthwork quantities.

5. Section **00440 Commercial Grade concrete** - This Section is replaced with the following Section:

Section 00440 Commercial Grade Concrete

Comply with Section 00440 of the Standard Specifications.

6. Subsection **00490.47 Adjusting Catch Basins and Inlets** - This subsection is added after subsection **00490.00 Scope**:

00490.47 Adjusting Catch Basins and Inlets – Add the following subsection:

(d) Concrete Inlet Caps – Construct inlet caps as shown.

7. Subsection **00490.90 Payment** – This subsection is added after subsection **00490.82 Lump Sum Basis**:

00490.90 Payment - Add the following to the Pay Item list:

Pay Item	Unit of Measurement
(i) Concrete Inlet Caps	Each

8. Section **00501 Bridge Removal** - This Section is added after Section 00490:

SECTION 00501 - BRIDGE REMOVAL

Comply with Section 00501 of the Standard Specifications modified as follows:

00501.00 Scope - Add the following paragraph to the end of this subsection:

- Remove the existing bridge rail on Br#02890.
- Remove the existing concrete stairs, retaining wall, and bridge rail from Sta. 561+65 to Sta. 561+83 Rt.

Add the following subsection:

00501.02 Plans - Plans of the existing structure are available for viewing at the office of the Engineer. Prints of these plans are available upon request.

9. Subsection **00510.80(b-1) Structure Excavation** - This subsection is replaced with the following:

00510.80(b-1) Structure Excavation (Lump Sum) – Add the following to the end of this subsection:

The estimated quantity of structure excavation is:

Location	Structure Excavation (Cubic Yard)
Structure No. 06531	770
Structure No. 21140	30

10. Subsection **00510.80(d) Granular Wall Backfill** – This subsection is replaced with the following:

00510.80(d) Granular Wall / Structural Backfill - Replace this subsection, except for the subsection number and title, with the following:

No measurement of quantities will be made for granular wall backfill or granular structure backfill. The estimated quantity of granular wall backfill or granular structure backfill is:

Location	Granular Wall Backfill (Cubic Yard)
Structure No. 06531	400
Structure No. 21140	7

Location	Granular Structural Backfill (Cubic Yard)
Structure No. 06531	70
Structure No. 21140	5

11. Subsection **00530.80(a) Lump Sum** – This subsection is replaced with the following:

00530.80(a) Lump Sum - Add the following to the end of this subsection:

The estimated quantity of reinforcement is:

Structure	Quantity Uncoated (Pound)
Structure No. 06531	12,000
Structure No. 21140	600

The weight of miscellaneous metal, based on weights listed in 00530.80(b) and Project quantities, is included in the estimated quantity of uncoated reinforcement.

12. Subsection **00540.80(a-1) Lump Sum** – “Bridge No.21113” is replaced with “Bridge No. 21140”.

13. Section **00587 Bridge Rails** – In the table, delete the line item for Bridge No. 21113.

14. Subsection **00593.10 Materials** – This entire subsection is deleted.

15. Subsection **00593.10(a-2) Galvanized and Other Non-Steel Metallic Substrates** – This subsection is added before subsection 00593.10(b):

00593.10(a-2) Galvanized and Other Non-Steel Metallic Substrates - Add the following to the end of this subsection:

Provide the following coating materials: zinc-rich epoxy primer and a polyester topcoat.

16. Subsection **00594.40(b) Existing Steel Structures** - This entire subsection is deleted.

17. Subsection **00594.75 Coating System Warranty** – This entire subsection is deleted.

18. Subsection **00596.80 Measurement** – In the table, delete all materials and estimated quantities for Structure No. 06531.

19. Subsection **00596.80 Measurement** - In the table, under 21140 Wingwalls, change the estimated quantity for Excavation from 17 cu. yd. to 25 cu. yd.

20. Subsection **00596.80 Measurement** - In the table, under 21140 Wingwalls, add material Gravel Leveling Pad, estimated quantity 5 cu. yd.

21. Subsection **00744.80 Measurement** – Delete this subsection.

22. Subsection **00744.90 Payment** – Delete this subsection.

(b) Accuracy of Punched Holes - Locate all holes punched full size so accurately that when multiple anchor plates are stacked with the edges even, a cylindrical pin 1/8 inch smaller in diameter than the nominal size of the punched hole may be entered perpendicular to the face of the plate without drifting in each of the connecting holes in the same plane. Non-conforming pieces will be rejected.

00759.80 Measurement - Replace the length basis bullet with the following bullet:

- Length Basis - Measurement of concrete items will be along the face of the structure, from end to end including curb tapers or depressed lengths at driveways and ramps. Measurement of metal handrail will be along the top rail member, from center of end post to center of end post.

00759.90 Payment - Add the following pay items:

Pay Item	Unit of Measurement
(m) Metal Handrail, 1 Rail	Foot
(n) Metal Handrail, 2 Rails	Foot

Replace the paragraph "Item (h) includes pipe handrail." with "Item (h) includes contrasting strip."

Add the following paragraph to the end of this subsection:

Aggregate under concrete sidewalk ramps in Structure No. 06531 will be paid for as Granular Wall Backfill according to Section 00510.90.

23. Section **01040 Planting** - This Section is added after Section 01030:

SECTION 01040 – PLANTING

Comply with Section 01040 of the Standard Specifications modified as follows:

01040.80(f) Mulch – Replace this subsection with the following:

01040.80(f) Mulch – No measurement of quantities will be made for this item. The estimated quantity for estimating purposes only is:

Pay Item	Estimated Quantity (SQYD)
Rock Mulch	294

01040.90(f) Mulch - Change the unit of measurement for Rock Mulch from Ton to Lump Sum.

24. Section **02830 Handrail** - This Section is added after Section 02630:

SECTION 02830 - HANDRAIL

Section 02830 of the Standard Specifications is replaced with the following Section:

SECTION 02830 - METAL HANDRAIL

Description

02830.00 Scope - This Section includes the requirements for the steel in handrail for stairways and pedestrian facilities.

Materials

02830.10 Shapes, Plates, and Bars - Shapes, plates, and bars shall conform to ASTM A 36.

Punch anchor plate bolt holes at the locations shown before fabrication.

02830.20 Steel Pipe - Steel pipe shall conform to ASTM A 500, seamless, Grade B.

02830.21 Steel Tube - Steel tube shall conform to ASTM A 500, seamless, Grade B.

02830.22 Fasteners - Fasteners shall meet the requirements of Section 02560. Machine screws shall be SAE 18-8 stainless steel.

02830.30 Galvanizing - Hot-dip galvanize all handrail components according to AASHTO M 111 (ASTM A 123) after shop fabrication.

02830.31 Repair of Hot-Dip Galvanizing - Repair damaged hot-dip galvanizing according to ASTM A 780 and ASTM A 123. Minimum zinc content for Method A2 is 94% on the dry film.

02830.32 Powder Coating - Powder coat Metal Handrail according to Section 00593.

02830.40 Incidentals - Plates, caps, and miscellaneous pieces necessary to complete the rail shall be as shown.

02830.50 Acceptance - Acceptance of handrail materials will be according to 00165.35 and this Section.

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Whitney Highway
Baker County
Structure and Paving Project
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Addenda No. 2

The following changes are made to the Project Plans:

1. Plan sheets 1A, 2, 2A, 2B-2, 3, 3A, 4, GA, 81710, 81711, 81712, 81713, 81714, 81715, 81716, 81717, 81718, 81719, 81720, 81721, 81722, 81723, 81724 and 81729 are replaced with revised plan sheets 1A, 2, 2A, 2B-2, 3, 3A, 4, GA, 81710, 81711, 81712, 81713, 81714, 81715, 81716, 81717, 81718, 81719, 81720, 81721, 81722, 81723, 81724 and 81729.
2. Plan sheets 81790, 81791 and 81792 are added.

These changes will be included in the Contract for this Project. It is understood that your Bid will be submitted accordingly.

Make copies of the new Bid Sheets to replace the Special Provisions Bid Schedule Sheets.

mfw:TGW

Attachments: New Bid Sheets
Revised Plan Sheets
New Plan Sheet

BID SCHEDULE

CONTRACT ID: 14034

PROJECT: OR7: DEWEY AVE UPRR U'XING (BAKER CITY)

PROJECT KEY: 16365

ADDENDUM NUMBER: 2

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
SECTION 0001 TEMPORARY FEATURES AND APPURTENANCES				
0010	0210-0100000A MOBILIZATION	LS	ALL	
0020	0225-0100000A TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC	LS	ALL	
0030	0225-0102000J TEMPORARY SIGNS	SQFT	555.00	
0040	0225-0104000E TEMPORARY BARRICADES, TYPE II	EACH	4.00	
0050	0225-0105000E TEMPORARY BARRICADES, TYPE III	EACH	8.00	
0060	0225-0126000F TEMPORARY CONCRETE BARRIER, REFLECTORIZED	FOOT	30.00	
0070	0225-0168000T FLAGGERS	HOUR	800.00	
0080	0270-0114000F TEMPORARY TYPE CL CHAIN-LINK FENCE	FOOT	130.00	
0090	0280-0100000A EROSION CONTROL	LS	ALL	
0100	0280-0113000F SEDIMENT FENCE, UNSUPPORTED	FOOT	50.00	
0110	0280-0114000E INLET PROTECTION	EACH	6.00	
0120	0280-0115000F SEDIMENT BARRIER	FOOT	75.00	

BID SCHEDULE

CONTRACT ID: 14034

PROJECT: OR7: DEWEY AVE UPRR U'XING (BAKER CITY)

PROJECT KEY: 16365

ADDENDUM NUMBER: 2

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0130	0290-0100000A POLLUTION CONTROL PLAN	LS ALL		
0140	0290-0102000A WORK CONTAINMENT PLAN AND SYSTEM	LS ALL		

SECTION 0002 ROADWORK

0150	0305-0100000A CONSTRUCTION SURVEY WORK	LS ALL		
0160	0310-0106000A REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS ALL		
0170	0320-0100000A CLEARING AND GRUBBING	LS ALL		
0180	0330-0105000K GENERAL EXCAVATION	CUYD 1,650.00		
0190	0330-0126000K STONE EMBANKMENT	CUYD 130.00		
0200	0350-0100000J DRAINAGE GEOTEXTILE, TYPE 1	SQYD 320.00		
0210	0350-0101000J DRAINAGE GEOTEXTILE, TYPE 2	SQYD 2,600.00		
0220	0380-9Z90000T EXTRA FOR ADDITIONAL SURVEY WORK	HOUR 20.00		

SECTION 0003 DRAINAGE AND SEWERS

0230	0430-0100080F 8 INCH DRAIN PIPE	FOOT 490.00		
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BID SCHEDULE

CONTRACT ID: 14034

PROJECT: OR7: DEWEY AVE UPRR U'XING (BAKER CITY)

PROJECT KEY: 16365

ADDENDUM NUMBER: 2

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0240	0445-035012AF 12 INCH STORM SEWER PIPE, 5 FT DEPTH	814.00 FOOT		
0250	0445-060012AF 12 INCH DUCTILE IRON PIPE, 5 FT DEPTH	140.00 FOOT		
0260	0470-0105000E CONCRETE MANHOLES, SHALLOW	1.00 EACH		
0270	0470-0307000E CONCRETE INLETS, TYPE CG-2	3.00 EACH		
0280	0470-0313000E CONCRETE INLETS, TYPE G-1	4.00 EACH		
0290	0470-0315000E CONCRETE INLETS, TYPE G-2	10.00 EACH		
0300	0470-9Z90000A CLEAN-OUT EXISTING INLETS AND DRAINS	ALL LS		
0310	0470-9Z90000E GRATES, TYPE 2 (MODIFIED)	18.00 EACH		
0320	0490-0104000E CONNECTION TO EXISTING STRUCTURES	4.00 EACH		

SECTION 0004 BRIDGES

0330	0000-0100000A DELETED BID ITEM	ALL LS	0.00	0.00
0340	0000-0100000A DELETED BID ITEM	ALL LS	0.00	0.00
0350	0000-0100000A DELETED BID ITEM	ALL LS	0.00	0.00

BID SCHEDULE

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PROJECT: OR7: DEWEY AVE UPRR U'XING (BAKER CITY)

PROJECT KEY: 16365

ADDENDUM NUMBER: 2

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0360	0000-0100000A DELETED BID ITEM	LS ALL	0.00	0.00
0370	0540-9Z90000F INJECT AND SEAL CRACKS	FOOT 240.00		
0380	0000-0100000A DELETED BID ITEM	LS ALL	0.00	0.00
0390	0545-9Z90000J LOCATE DAMAGED CONCRETE	SQYD 345.00		
0400	0545-9Z90000J REPAIR DAMAGED CONCRETE	SQYD 345.00		
0410	0000-0100000A DELETED BID ITEM	LS ALL	0.00	0.00
0420	0570-9Z90000A HOLLOW METAL DOOR	LS ALL		
0430	0587-0123000A TYPE "F" CONCRETE RAIL, MODIFIED	LS ALL		
0440	0000-0100000A DELETED BID ITEM	LS ALL	0.00	0.00
0450	0000-0100000A DELETED BID ITEM	LS ALL	0.00	0.00
0460	0000-0100000A DELETED BID ITEM	LS ALL	0.00	0.00
SECTION 0005 BASES				
0470	0620-0120000J COLD PLANE PAVEMENT REMOVAL, 2 INCHES DEEP	SQYD 1,121.00		

BID SCHEDULE

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PROJECT: OR7: DEWEY AVE UPRR U'XING (BAKER CITY)

PROJECT KEY: 16365

ADDENDUM NUMBER: 2

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0480	0641-0102000M AGGREGATE BASE	TON 380.00		
0490	0641-9Z900000M OPEN GRADED AGGREGATE BASE	TON 1,500.00		

SECTION 0006 WEARING SURFACES

0500	0705-0100000M EMULSIFIED ASPHALT IN PRIME COAT	TON 4.50		
0510	0705-0102000M AGGREGATE COVER MATERIAL	TON 40.00		
0520	0744-0302000M LEVEL 3, 1/2 INCH DENSE MHMAC MIXTURE	TON 280.00		
0530	0749-0100000E EXTRA FOR ASPHALT APPROACHES	EACH 3.00		
0540	0749-9Z900000E EXTRA FOR ASPHALT RAMPS	EACH 3.00		
0550	0755-0114000J REINFORCED CONCRETE PAVEMENT 9 INCH THICK	SQYD 2,100.00		
0560	0759-0105000F CONCRETE CURBS, CURB AND GUTTER, MODIFIED	FOOT 420.00		
0570	0759-0116000F CONCRETE CURBS, MOUNTABLE CURB AND GUTTER, MODIFIED	FOOT 1,288.00		
0580	0759-0128000J CONCRETE WALKS	SQFT 3,500.00		
0590	0759-0138000J 4 INCH CONCRETE SURFACING	SQFT 210.00		

BID SCHEDULE

CONTRACT ID: 14034

PROJECT: OR7: DEWEY AVE UPRR U'XING (BAKER CITY)

PROJECT KEY: 16365

ADDENDUM NUMBER: 2

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0600	0759-0150000K CONCRETE STAIRS	6.00 CUYD		

SECTION 0007 PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES

0610	0840-0101000E DELINEATORS, TYPE 1U	4.00 EACH		
0620	0865-0125000F PAVEMENT MARKING TAPE, PATTERN, GROOVED	1,680.00 FOOT		
0630	0867-0145000J PAVEMENT BAR, TYPE B	274.00 SQFT		

SECTION 0008 PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS

0640	0905-0101000A REMOVE AND REINSTALL EXISTING SIGNS	ALL LS		
0650	0910-0100000K WOOD SIGN POSTS	254.70 FBM		
0660	0940-0113000J TYPE "G" SIGNS IN PLACE	21.80 SQFT		
0670	0940-0121000J TYPE "R" SIGNS IN PLACE	18.00 SQFT		
0680	0940-0124000J TYPE "W1" SIGNS IN PLACE	8.00 SQFT		
0690	0940-0125000J TYPE "W2" SIGNS IN PLACE	4.00 SQFT		
0700	0940-0134000J TYPE "Y1" SIGNS IN PLACE	5.60 SQFT		

SECTION 0009 RIGHT-OF-WAY DEVELOPMENT AND CONTROL

BID SCHEDULE

CONTRACT ID: 14034

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PROJECT KEY: 16365

ADDENDUM NUMBER: 2

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0710	1030-0108000R PERMANENT SEEDING	0.67 ACRE		
0720	1050-0135000F CL-6 CHAIN-LINK FENCE	82.00 FOOT		
0730	1050-9Z90000A REPAIR EXISTING 6 FOOT TYPE C PROTECTIVE FENCE	ALL LS		

SECTION 0010 ADDED BID ITEMS

0740	0490-9Z90000E CONCRETE INLET CAPS	1.00 EACH		
0750	0759-9Z90000F METAL HANDRAIL, 1 RAIL	450.00 FOOT		
0760	0759-0161000F METAL HANDRAIL, 2 RAILS	19.50 FOOT		
0770	1040-9Z90000A ROCK MULCH	ALL LS		

SECTION 0011 ADDED BID ITEMS - STRUCTURE NO. 06531

0780	0501-9Z90000A BRIDGE REMOVAL WORK	ALL LS		
0790	0510-0100000A SHORING, CRIBBING AND COFFERDAMS	ALL LS		
0800	0510-0101000A STRUCTURE EXCAVATION	ALL LS		
0810	0510-0106000A GRANULAR WALL BACKFILL	ALL LS		

BID SCHEDULE

CONTRACT ID: 14034

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PROJECT KEY: 16365

ADDENDUM NUMBER: 2

ITEM NO	ITEM DESCRIPTION	QUANTITY AND UNITS	UNIT PRICE (IN FIGURES)	BID AMOUNT (IN FIGURES)
0820	0510-0108000A GRANULAR STRUCTURE BACKFILL	LS ALL		
0830	0530-0100000A REINFORCEMENT	LS ALL		
0840	0540-0112000K FOUNDATION CONCRETE, CLASS 4000	CUYD 150.00		

SECTION 0012 ADDED BID ITEMS - STRUCTURE NO. 21140

0850	0510-0101000A STRUCTURE EXCAVATION	LS ALL		
0860	0510-0106000A GRANULAR WALL BACKFILL	LS ALL		
0870	0510-0108000A GRANULAR STRUCTURE BACKFILL	LS ALL		
0880	0530-0100000A REINFORCEMENT	LS ALL		
0890	0540-0101000A FOUNDATION CONCRETE, CLASS 3300	LS ALL		
0900	0560-9Z90000A PREFABRICATED PEDESTRIAN BRIDGE	LS ALL		
0910	0596-0103000J RETAINING WALL, CONVENTIONAL SEGMENTAL	SQFT 130.00		
	TOTAL BID			

Standard Drg. Nos.

INDEX OF SHEETS, CONT'D.	
SHEET NO.	DESCRIPTION
2 Thru. 2A Incl.	Typical Section
2B Thru. 2B-2 Incl.	Details
2C	Traffic Control Plans
2D Thru. 2D-3 Incl.	Pipe Data Sheet
3	General Construction
3A	Construction Notes
4	General Construction
4A	Construction Notes
4B	Drainage
4C Thru. 4D Incl.	Construction Notes
4E	Profile
GEO/HYDRO/ENVIRO	
GA	Erosion Control Plans
BRIDGE No. #21140	
81710	Plan & Elevation
81711	General Notes
81712	Footing Plan
81713	Bent Details
81714	Wingwall Details
81715	Bridge Section Detail
BRIDGE No. #02890	
81716	Plan & Elevation
81717	Rail Details
81718	Rail Transition To Curb
BRIDGE No. #06531	
81719	Plan & Elevation
81720	Profiles
81721	General Notes
81729	Foundation Data
81722	Retaining Wall Sections
71823	Retaining Wall Sections
71824	Stair Details
81790	Shoring and Grading Details
81791	Miscellaneous Details
81792	Railroad Crossing Grade Separation Details
PERMANENT PAVEMENT MARKINGS	
ST - 1	Striping Plan
PERMANENT SIGNING	
S-11287 Thru. S-11289 Incl.	Permanent Signing

RD300 RD336, RD342, RD344 RD356 RD364, RD366 RD376 RD380, RD386, RD388, RD390 RD500 RD600 RD610 RD700 RD720 RD755 RD756, RD757 RD815 RD1015 RD1035 RD1040 BR200	- Trench Backfill, Bedding, Pipe Zone And Mult. Installations - Manholes - Manhole Cover & Frames - Concrete Inlets - Miscellaneous Drainage Structures - Pipe Fill Height Tables - Precast Concrete Barrier Pin And Loop Assembly - Portland Cement Concrete Pavement - Asphalt Pavement Details - Curbs - Sidewalks - Sidewalk Ramp Details - Sidewalk Ramp Placement - Chain Link Fence - Inlet Protection - Sediment Barrier - Sediment Fence - Concrete Bridge Rail Type F
---	--

TM200 TM201 TM204 TM212 TM500, TM501, TM502, TM503 TM522 TM530 TM570 TM571 TM670 TM671 TM676 TM677 TM681 TM700 TM705 TM710 TM745 TM750 TM775 TM780	- Sign Installation Details - Miscellaneous Sign Placement Details - Flag Board Mounting Details - Signing Details - Pavement Marking Standard Details - Durable Pavement Markings - Intersection Pavement Markings - Traffic Delineators - Traffic Delineators Steel Post Details - Perm. Signing Wood Post Supports Sizing Charts - 3 Second Gust Wind Speed Isotach - Sign Attachments - Sign Mounts - Square Tube Sign Supports - Tables, Abrupt Edge And PCMS Details - Intersection Work Zone Details - 2-Lane, 2-Way Roadways - Temporary Concrete Barrier Details - Temporary Barricades - Temporary Sign Supports - Closure Details
--	--

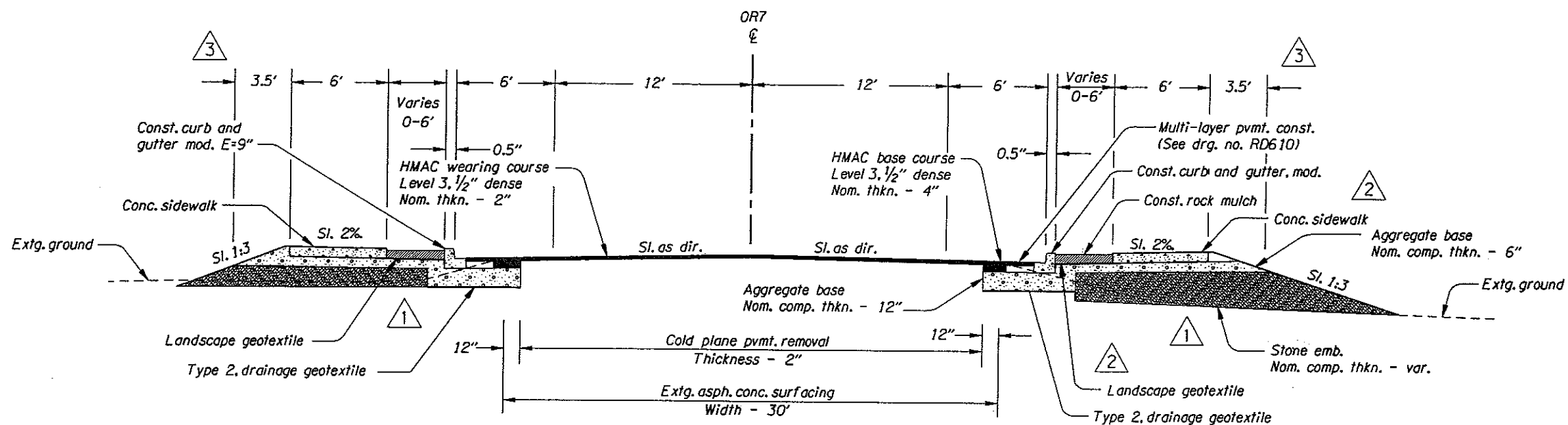
R/W Map No. 6B-2-21
 10B-16-30
 7B-7-7

REVISIONS

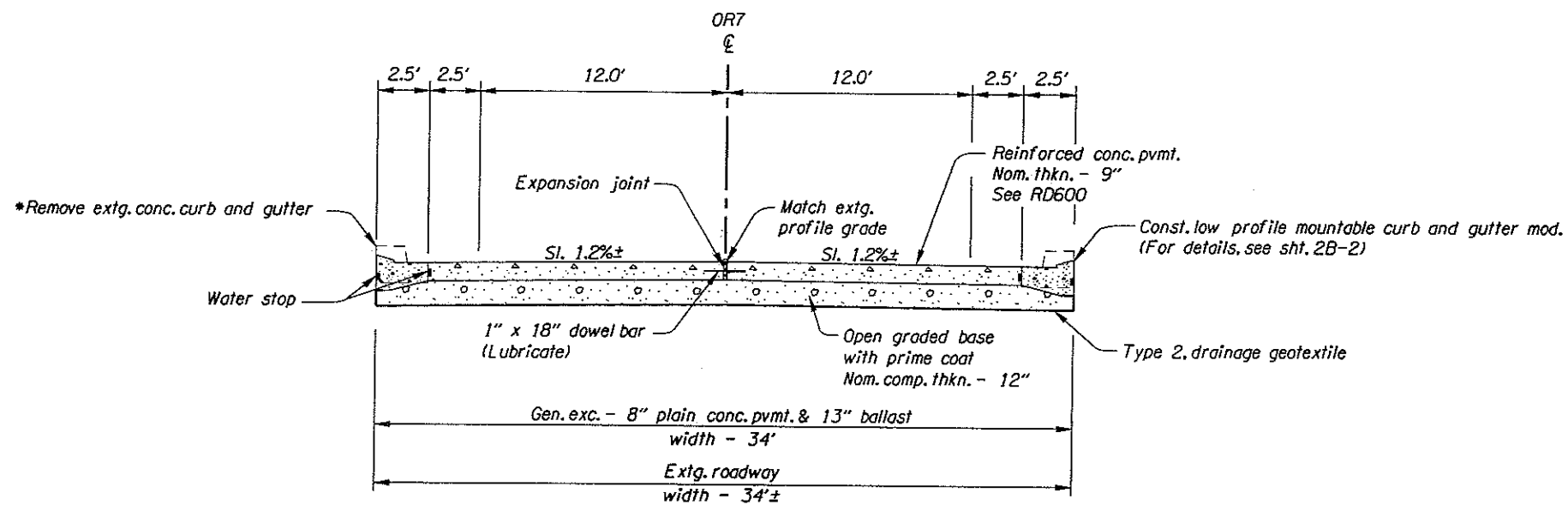
1	Changed drawing numbers added drawings
2	Added standard dwg. nos. 376

OR7: DEWEY AVE UPRR U'XING (BAKER CITY) SEC. WHITNEY HIGHWAY BAKER COUNTY		
FEDERAL HIGHWAY ADMINISTRATION	PROJECT NUMBER	SHEET NO.
OREGON DIVISION	X-STP-S000(489)	1A

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



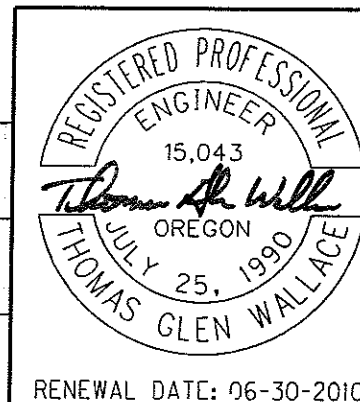
STA. 555+68.0 (M.P. 50.47) To STA. 558+29.0



STA. 558+29.0 To STA. 564+73.0 (M.P. 50.65)

REVISIONS

1	Revised 04-17-09 Revised stone embankment
2	Revised 04-17-09 Added rock mulch
3	Revised 04-17-09 Added dimensions



- NOTES:
1. For AC pavement details & matching at project ends see Std. Drg. No. RD610.
 2. Maintain extg. clearance under railroad structure.
 3. * See details sheet 2B-2.
 4. See dwg. 81716 for rock mulch locations.

OREGON DEPARTMENT OF TRANSPORTATION

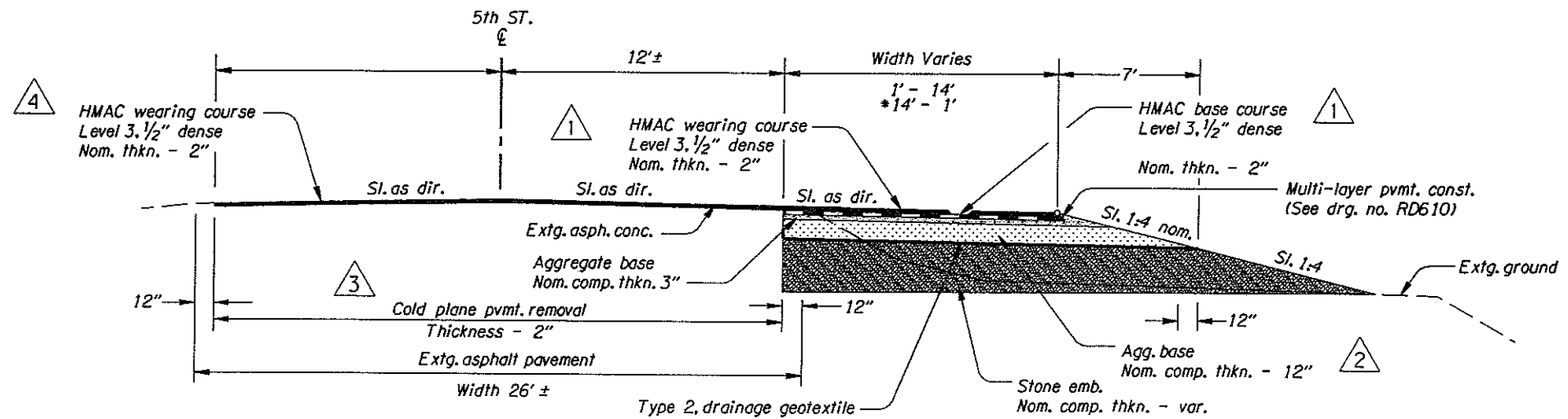
Region 5 Tech Center
3012 Island Ave
La Grande, OR 97250
15411963-3177

OR7: DEWEY AVE. UPRR U'XING (BAKER CITY) SEC.
WHITNEY HIGHWAY
BAKER COUNTY

Design Team Leader - Thomas G. Wallace
Designed By - George F. Bornstedt
Drafted By - George F. Bornstedt

TYPICAL SECTIONS

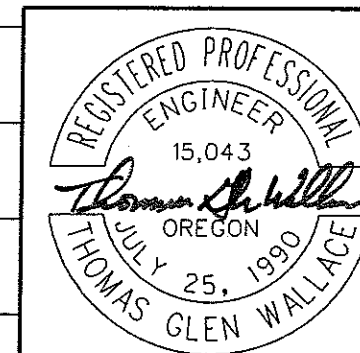
SHEET NO. 2



STA . 5TH 1+14.0 To 5TH 1+86.3
 *5TH 1+86.3 To 5TH 2+42.3

REVISIONS

1	Revised 04-17-09 Revised HMAC
2	Revised 04-17-09 Change label to agg. base
3	Revised 04-17-09 Added cold plane pvmt. removal
4	Revised 04-17-09 Added HMAC



RENEWAL DATE: 06-30-2010

OREGON DEPARTMENT OF TRANSPORTATION

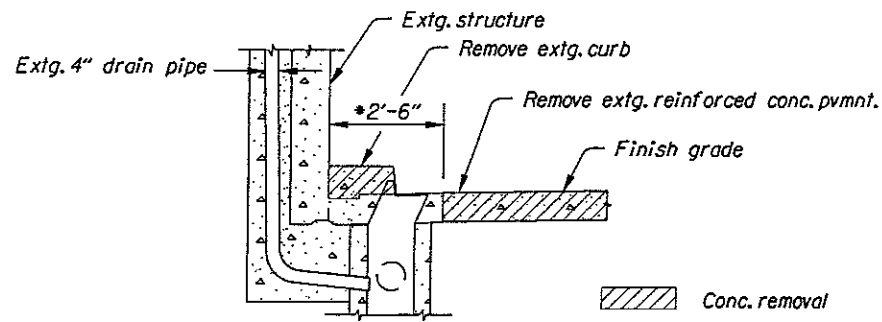
Region 5 Tech Center
 3012 Island Ave
 La Grande, OR 97850
 (541) 963-3177

OR7: DEWEY AVE. UPRR U'XING (BAKER CITY) SEC.
 WHITNEY HIGHWAY
 BAKER COUNTY

Design Team Leader - Thomas G. Wallace
 Designed By - Donald G. Fine
 Drafted By - Donald G. Fine

TYPICAL SECTIONS

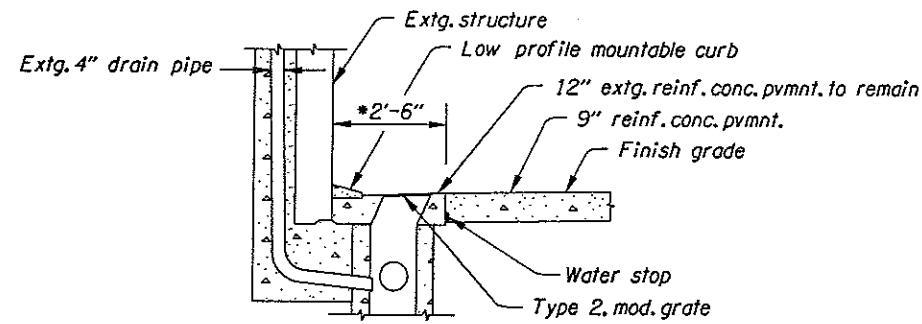
SHEET NO. 2A



REMOVAL DETAIL

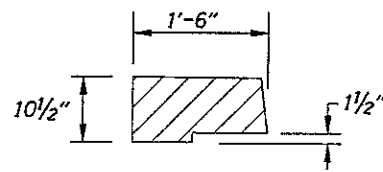
Sta. 558+56.5 to 558+81.5 (14.5' Lt. & Rt.)
 Sta. 563+80.5 to 564+05.5 (14.5' Lt. & Rt.)

Notes:
 *Preserve and protect extg. conc. paving, as shown.
 See sht. 4D notes 64 & 65.

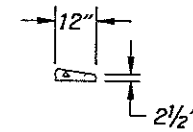


LOW PROFILE MOUNTABLE CURB

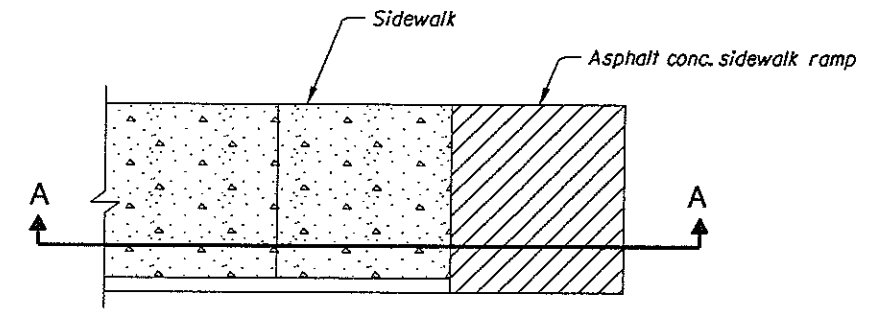
Sta. 558+56.5 to 558+81.5 (14.5' Lt. & Rt.)
 Sta. 563+80.5 to 564+05.5 (14.5' Lt. & Rt.)



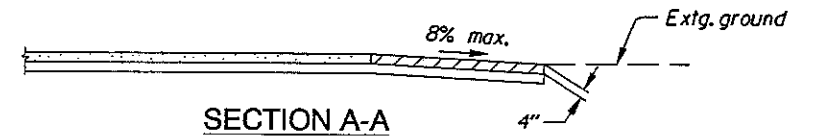
CURB REMOVAL DETAIL



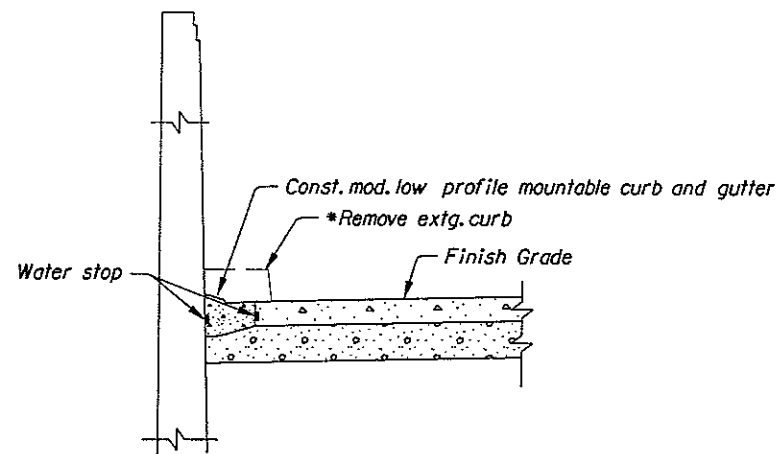
CURB DETAIL



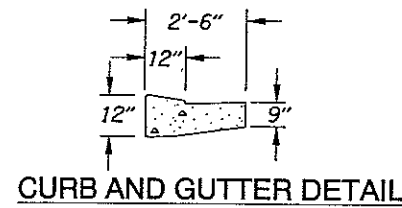
ASPHALT CONCRETE SIDEWALK RAMP



SECTION A-A



LOW PROFILE MOUNTABLE CURB AND GUTTER

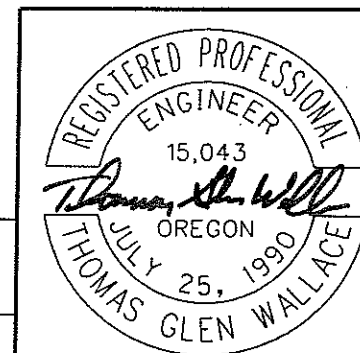


CURB AND GUTTER DETAIL

Notes:
 1. * Remove curb in locations where extg. conc. paving is to remain, as dir. (See notes 64 & 65 sht. 4D for locations.) For curb details not shown, see RD700.
 2. Provide Hydrotite waterstop by Greenstreak or approved equal.

REVISION

1	Revised 04-17-09 Added removal details
2	Revised 04-17-09 Added curb details



RENEWAL DATE: 06-30-2010

OREGON DEPARTMENT OF TRANSPORTATION
 Region 5 Tech Center
 3012 Island Ave
 La Grande, OR 97850
 (541) 963-3177

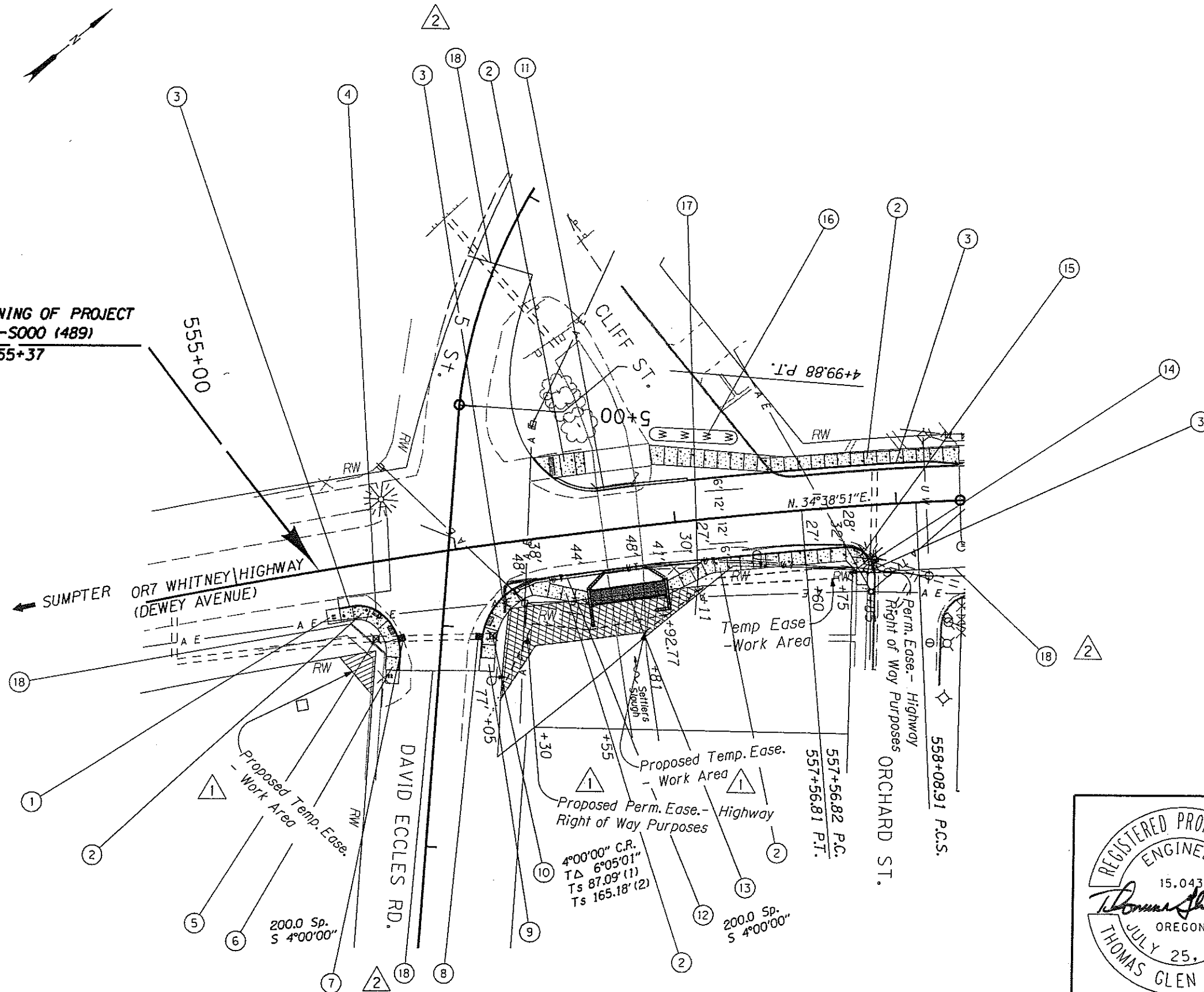
OR7: DEWEY AVE. UPRR U'XING (BAKER CITY) SEC.
 WHITNEY HIGHWAY
 BAKER COUNTY

Design Team Leader - Thomas G. Wallace
 Designed By - George F. Bornstedt
 Drafted By - George F. Bornstedt

DETAILS

SHEET NO.
2B-2

BEGINNING OF PROJECT
X-STP-S000 (489)
STA. 555+37



REVISIONS

△ 1	Revised 04-17-09 Proposed Right of Way
△ 2	Revised 04-17-09 Added Street Conn. Notes

Contractor may not occupy area shown thus, prior to September 30, 2009.

OREGON DEPARTMENT OF TRANSPORTATION
<i>Region 5 Tech Center</i> <small>3012 Island Ave La Grande, OR 97850 15411 963-3177</small>
OR7: DEWEY AVE. UPRR U'XING (BAKER CITY) SEC. WHITNEY HIGHWAY BAKER COUNTY
<small>Design Team Leader - Thomas G. Wallace Designed By - George F. Bornstedt Drafted By - George F. Bornstedt</small>
GENERAL CONSTRUCTION
SHEET NO. 3

REGISTERED PROFESSIONAL ENGINEER

15,043

Thomas Glen Wallace

OREGON

JULY 25, 1990

THOMAS GLEN WALLACE

RENEWS: 06-30-2010

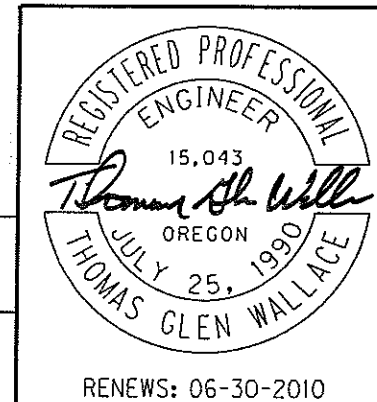
- ① Sta. 555+37 to sta. 555+43, rt.
Const. asphalt conc. ramp, as dir.
(For details, see sht. 2B-2)
- ② Const. conc. sidewalk
(See RD720)
- ③ Const. curb & gutter, mod.
(See RD700)
- ④ Const. sidewalk ramp
Option "E", as dir.
(See RD757)
- ⑤ Cap extg. inlet with bolt down lid.
(See RD376)
- ⑥ Sta. 555+61 to sta. 555+67, rt.
Const. asphalt conc. ramp, as dir.
(For details, see sht. 2B-2)
- ⑦ Sta. 555+67, 36' rt.
Const. Type CG-2 inlet
Connect extg. storm sewer pipes
(See RD366)
- ⑧ Sta. 556+04, 40' rt.
Const. Type CG-2 inlet
Connect extg. storm sewer pipe
- ⑨ Sta. 556+04 to sta. 556+11, rt.
Const. asphalt conc. ramp, as dir.
(For details, see sht. 2B-2)
- ⑩ Remove extg. inlet
Remove extg. storm sewer pipe
- ⑪ Structure No. 02890
Sta. 556+46 to sta. 557+03, lt.
Const. C.I.P. conc. Type "F" bridge rail
(For drg. nos., see sht. 1A)
- ⑫ Structure No. 02890
Sta. 556+40 to sta. 557+10, rt.
Const. C.I.P. conc. Type "F" bridge rail
(For drg. nos., see sht. 1A)
- ⑬ Br. No. 21140
Const. structure - 35.0'
Sidewalk width 6.0'
(For drg. nos., see sht. 1A)
- ⑭ Sta. 557+89, 25' rt.
Const. Type CG-2 inlet
Connect extg. storm sewer pipes
- ⑮ Const. sidewalk ramp
Option "E"
(See RD756)
- ⑯ Const. earth berm, as dir.
Inst. delineators - 4
(See TM570 & TM571)
- ⑰ Remove extg. fence, as dir.
- ⑱ Const. street connection - 3

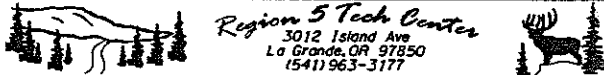
1

2

REVISIONS

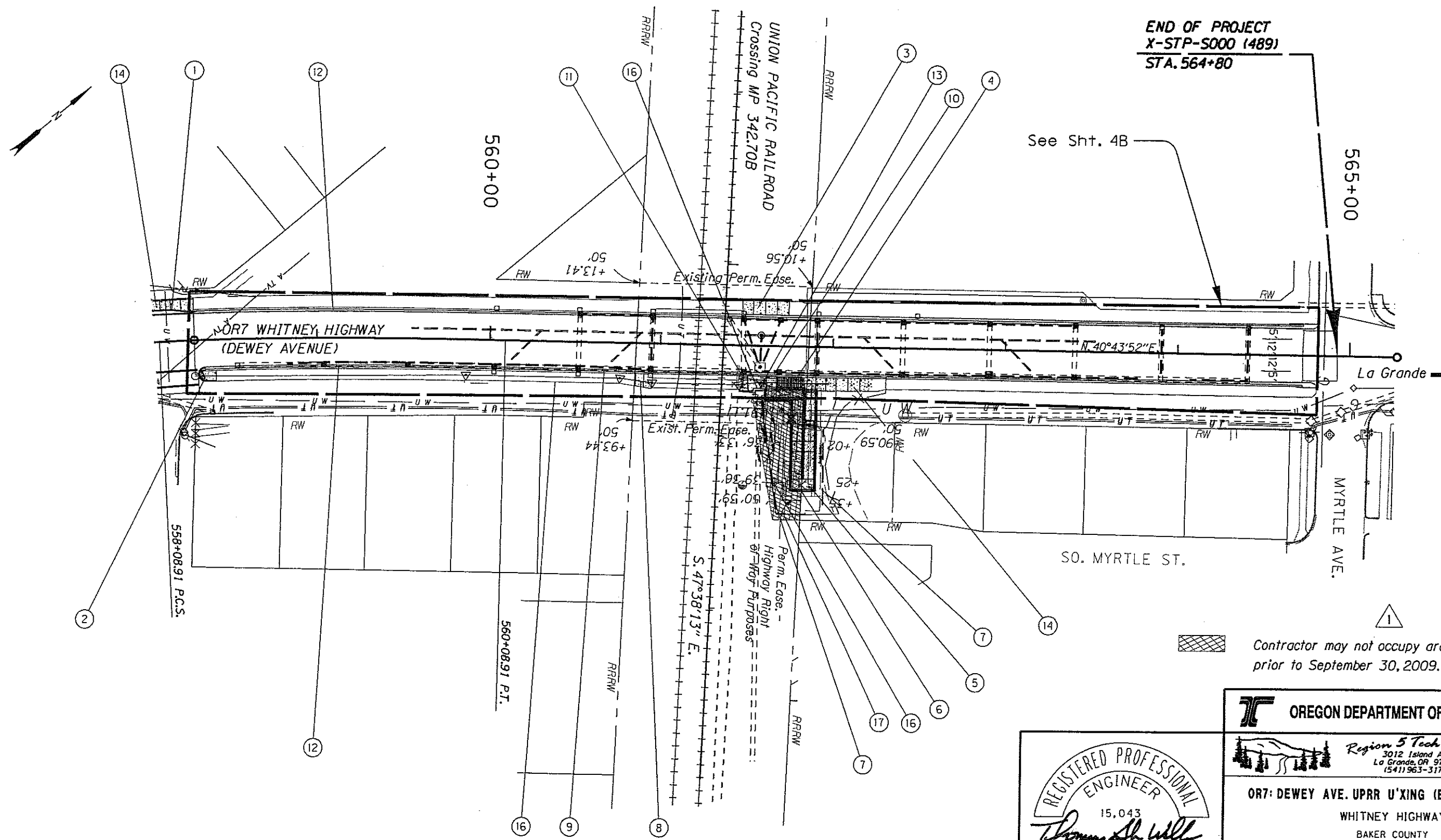
①	Revised 04-17-09 Revised Note 5
②	Revised 04-17-09 Added Street Conn. Note



OREGON DEPARTMENT OF TRANSPORTATION	
 Region 5 Tech Center 3012 Island Ave La Grande, OR 97850 (541) 963-3177	
OR7: DEWEY AVE. UPRR U'XING (BAKER CITY) SEC. WHITNEY HIGHWAY BAKER COUNTY	
Design Team Leader - Thomas G. Wallace Designed By - George F. Bornstedt Drafted By - George F. Bornstedt	
CONSTRUCTION NOTES	SHEET NO. 3A

T. 9 S., R. 40 E., Sec. 20, W.M.
BAKER CITY

42V-91



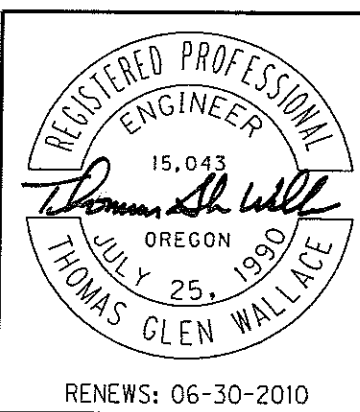
END OF PROJECT
X-STP-S000 (489)
STA. 564+80

See Sht. 4B

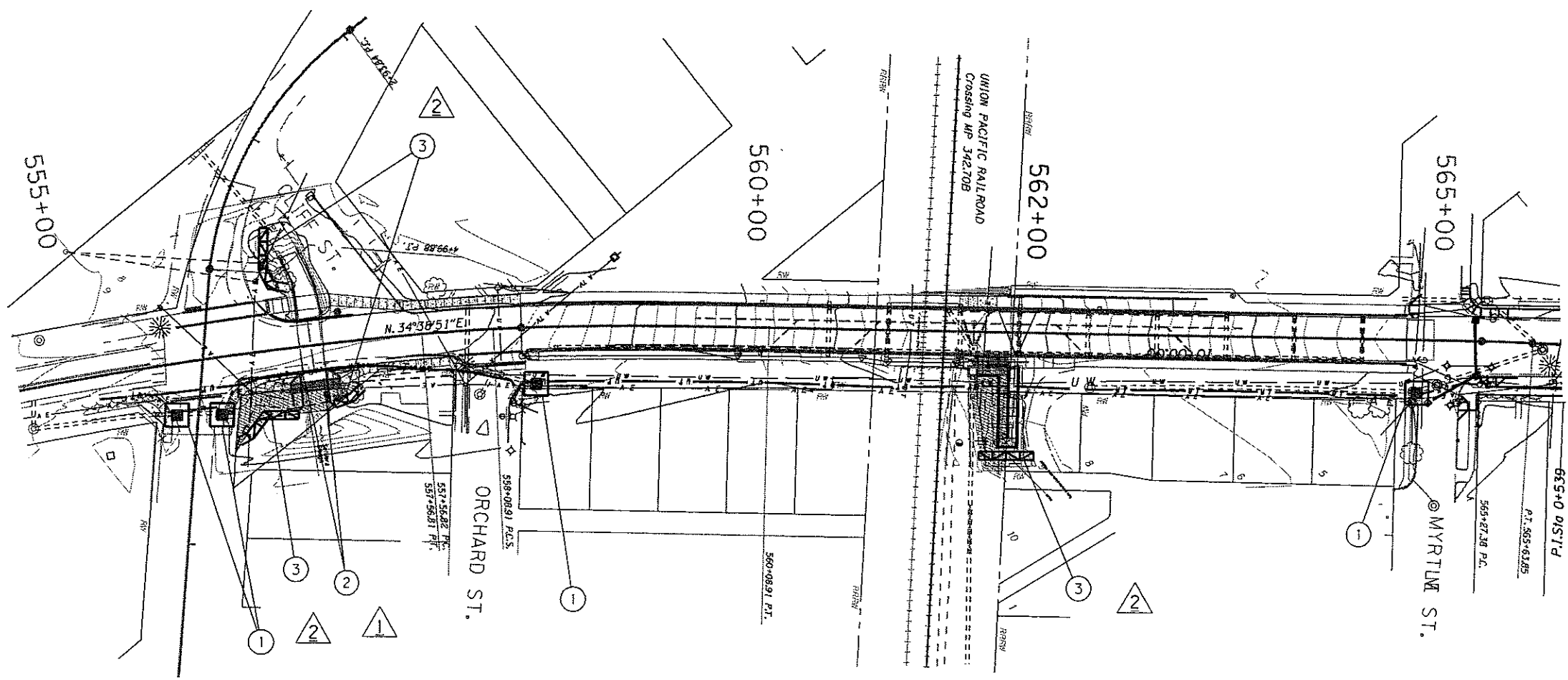
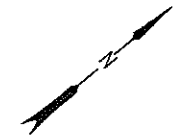
Contractor may not occupy area shown thus,
prior to September 30, 2009.

REVISION

1	Revised 04-17-09 Revised Right of Way Holdout Note
---	---



<p>OREGON DEPARTMENT OF TRANSPORTATION</p>	
<p>Region 5 Tech Center 3012 Island Ave La Grande, OR 97850 15411963-3177</p>	
<p>OR7: DEWEY AVE. UPRR U'XING (BAKER CITY) SEC. WHITNEY HIGHWAY BAKER COUNTY</p>	
<p>Design Team Leader - Thomas G. Wallace Designed By - George F. Bornstedt Drafted By - George F. Bornstedt</p>	
<p>GENERAL CONSTRUCTION</p>	<p>SHEET NO. 4</p>



- ① Const. Inlet Protection (Type 4, Biofilter Bags) (See Drg. No. RD1015)
- ② Const. Sed. Fence (See Drg. No. RD1040)
- ③ Const. Straw Waddle (See RD1035)

LEGEND

- Sediment Fence, Unsupported
- Sediment Barrier Type 3, Straw Wattle
- Inlet Protection

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.

Install stabilized construction entrances at the beginning of construction and maintain for the duration of the project. Additional measures may be required to insure that all paved areas are kept clean.

Construct sediment fence 1.5 meters (5 feet) downslope from the toe of fill slopes where sediment-laden water has a potential of entering waterways or leaving the R/W.

Protect all inlets during surface grinding, paving, and earthwork operations to prevent pollutants from entering storm water systems.

REVISIONS

①	Revised 04-17-09 Added note
②	Revised 04-17-09 Added note

REGISTERED PROFESSIONAL
ENGINEER
15,043
Thomas G. Wallace
OREGON
JULY 25, 1990
THOMAS GLEN WALLACE
RENEWS: 06-30-2010

OREGON DEPARTMENT OF TRANSPORTATION

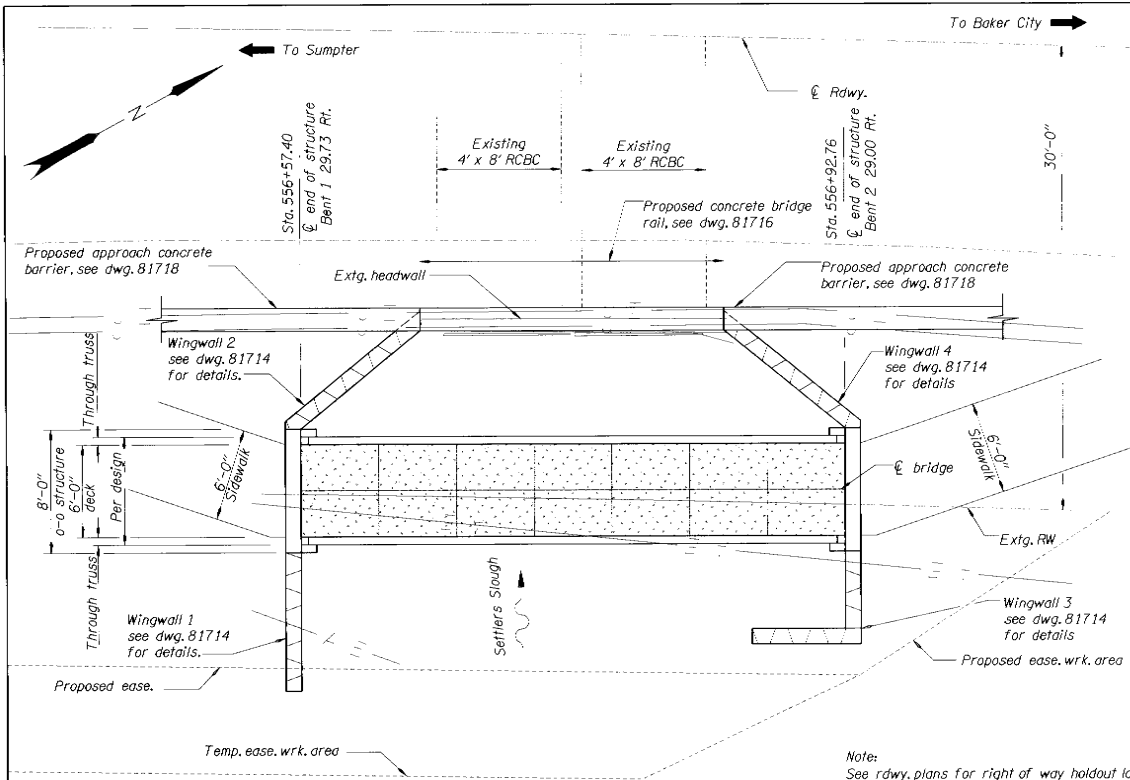
Region 5 Tech Center
3012 Island Ave
La Grande, OR 97850
(541) 963-3177

OR7: DEWEY AVE. UPRR U'XING (BAKER CITY) SEC.
WHITNEY HIGHWAY
BAKER COUNTY

Design Team Leader - Thomas G. Wallace
Designed By - George F. Barnstedt
Drafted By - George F. Barnstedt

EROSION CONTROL PLAN

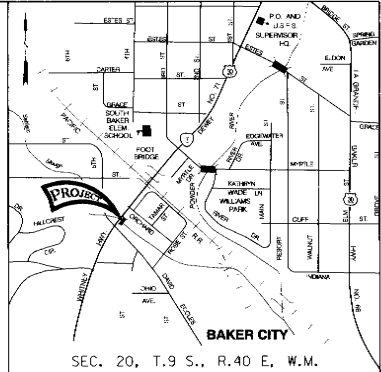
SHEET NO.
GA



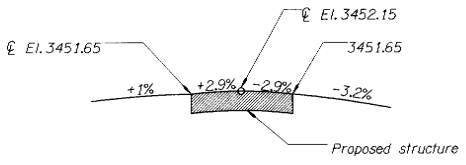
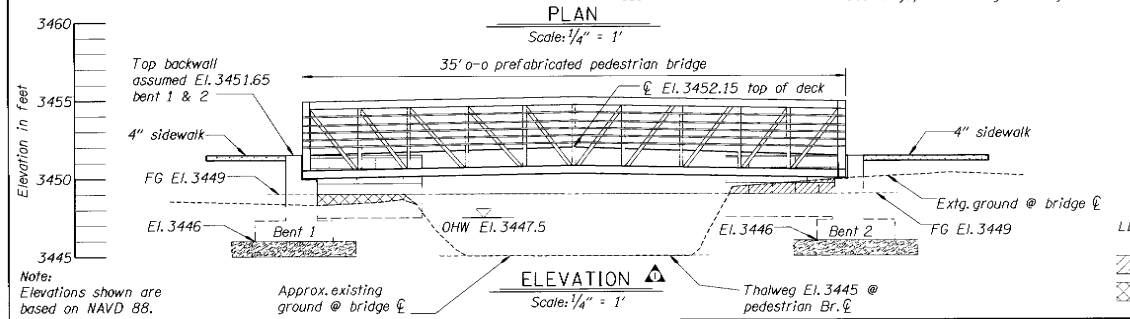
***HYDRAULIC DATA**

*Settlers Slough is used primarily for irrigation water conveyance. Ordinary high water line was identified along bank. Discharge volume in channel is controlled by a Baker Valley Irrigation District upstream ditch gate. Flood control for the Powder River is provided upstream by Mason Dam. No appreciable scour action or streambed degradation was identified in the vicinity of the proposed bridge. The slough is used for irrigation from the last week in April to approximately October 1. Water levels in the slough may reach or exceed the OHW levels shown during this time.

Note:
 Utilities to be relocated by others.
 Shoring is not anticipated
 Bents are parallel.
 Widths shown are normal to $\bar{\bar{c}}$.
 o-o structure width shown normal to $\bar{\bar{c}}$.



LOCATION MAP
 No Scale



GRADE LINE DIAGRAM
 @ BRIDGE CENTERLINE
 Not to scale

DATE	REVISION	BY
04-17-2009	Elevation view labels	RM
04-17-2009	change hydraulic data note	RM

ACCOMPANIED BY DWGS. 81711 thru 81715 and RD720, RD1035

APPROVED BY: *George Bornstedt*
 CHECKED BY: *George Bornstedt*



STRUCTURE NO. 21140	PEDESTRIAN OVER SETTLERS SLOUGH HWY 71 OR7; DEWEY AVE. UPRR U'XING (BAKER CITY) SEC. WHITNEY HIGHWAY BAKER COUNTY	SHEET 1 OF 6
DATE March - 2009	PLAN AND ELEVATION	DRAWING NO. 81710
CALC. BOOK NA		


GENERAL NOTES:

Provide all materials and perform all work according to the Oregon Standard Specifications for Construction 2008.

The prefabricated pedestrian bridge design and construction shall meet or exceed the requirements of the AASHTO Guide Specification for Design of Pedestrian Bridges, 1st Addition published in 1997. The AASHTO LRFD Bridge Design Specifications, 4th Edition, 2008 Interim Revisions shall be used in conjunction with the sited guide specification for the structure design. Design load criteria shall be based on the most current AASHTO LRFD methodology and the 2004 ODOT Bridge Design and Drafting Manual, as revised. Bridge design live load 85 psf.

Bridge shall be designed in accordance with AASHTO LRFD Bridge Design Specifications as modified by the "ODOT" Bridge Design & Drafting Manual" for 500 and 1000 year seismic criteria.

The Horizontal Peak Ground Acceleration Coefficients (PGA) for the 500 year (Serviceable) and 1000 year (No Collapse) return periods are 0.07g and 0.10g respectively, based on 2002 USGS Seismic Hazard Maps. The bridge site is defined as a Site Class D.

 The bridge superstructure shall be ASTM A709 grade 50W steel.

The bridge abutment and segmental retaining walls shall be constructed as detailed in these plans.

Support the bottom mat reinforcing steel from the forms with precast mortar blocks at 24" maximum centers each way. Support the top mat of reinforcing steel from the bottom mat of reinforcing steel with wire bar supports as shown in Chapter 3 of the CRSI Manual of Standard Practice (SBU, BBU, or CHCU). Place wire bar supports at 24" maximum centers.

Do not fabricate reinforcing steel for walls until final footing elevations have been determined in the field.

Provide Foundation Concrete, Class 3300 - 1 1/2", 1" or 3/4" concrete in footings.
 Provide Class 3300 - 1" or 3/4" concrete for bridge deck.
 Provide Concrete Finish, exposed wall surfaces - class 1. Deck surface - conform to section 00759 for driveways, walks and surfacings. Match sidewalk finish pattern on remainder of project.
 Provide structural steel according to (AASHTO) [or] (ASTM) Specifications in accordance with detail plans or special provisions.






Bridge deck shall be concrete.

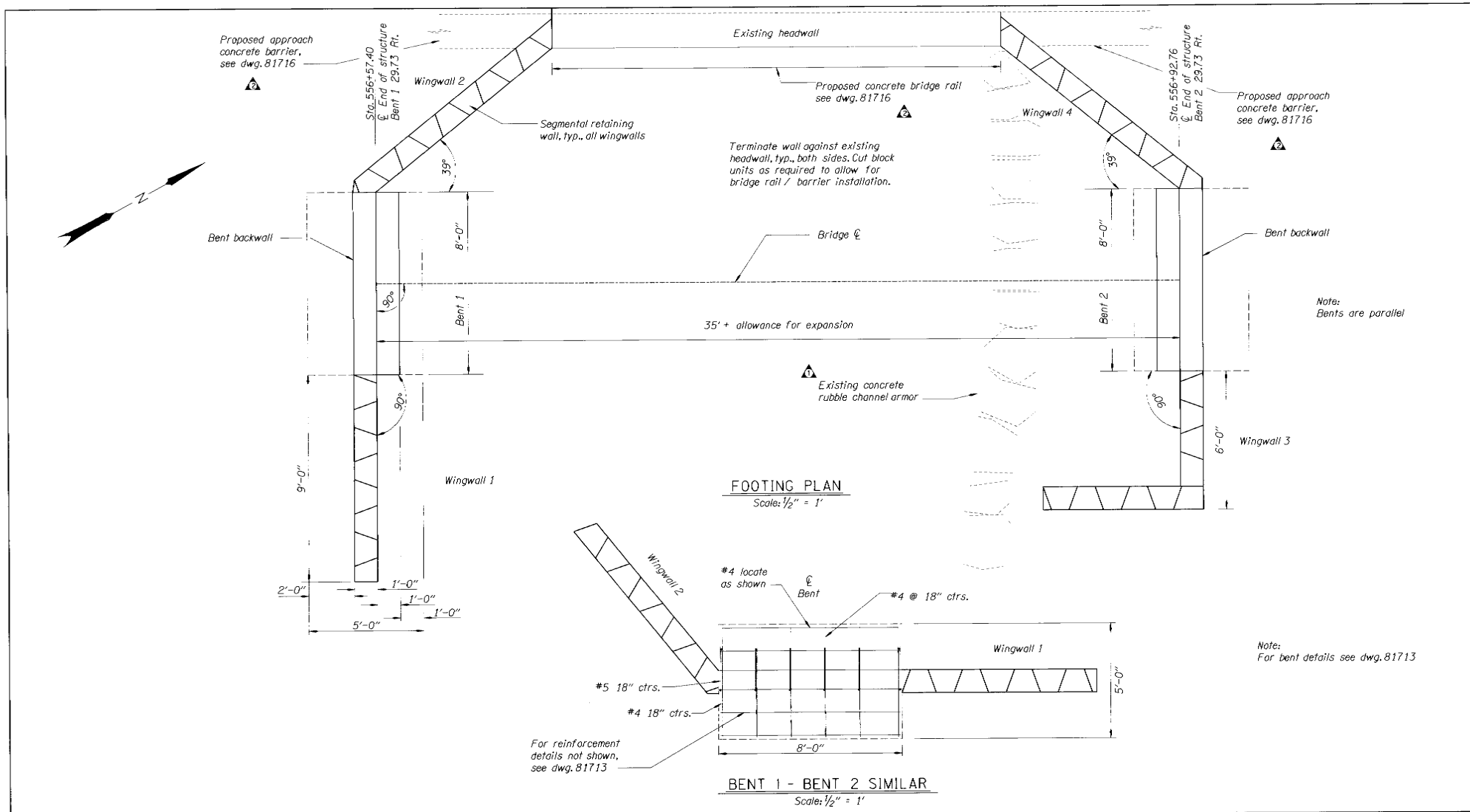
Provide all (other) reinforcing steel according to ASTM Specification A706, or AASHTO M31 (ASTM A615) Grade 60. (Provide field bent stirrups according to ASTM Specification A706.) Use the following splice lengths (unless shown otherwise):
 Reinforcing Splice Lengths (Class B) Grade 60

Bar Size	#3	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18
Splice Length	1'-0"	1'-4"	1'-8"	2'-0"	2'-8"	3'-6"	4'-4"	5'-7"	6'-9"	Not Permitted	
Length	1'-5"	1'-10"	2'-4"	2'-10"	3'-9"	4'-11"	6'-1"	7'-10"	9'-6"	Not Permitted	

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

Welding shall conform to latest edition of AWS D1.5

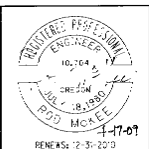
	DATE	REVISION	BY	DRAWER: <i>Rick Stanton</i>			STRUCTURE NO.	PEDESTRIAN OVER SETTLERS SLOUGH HWY 71 OR7: DEWEY AVE. UPRR D'XING (BAKER CITY) SEC. WHITNEY HIGHWAY BAKER COUNTY	SHEET
	04-17-2009	General note revisions/additions	RM				21140		2
				REVIEWER: <i>Mark Hanson</i>	RENEWALS: 12-31-2010		DATE	GENERAL NOTES	OF
				CHECKER: <i>George Bornstedt</i>			March 2009		6
ACCOMPANIED BY DWGS. See sheet 1 for this structure.								CALC. BOOK	DRAWING NO.
								NA	81711



REVISION	DATE	REVISION	BY
1	04-17-2009	Add concrete rubble channel armor	RM
2	04-17-2009	Change cwg coil out	RM

ACCOMPANIED BY DWGS. See sheet 1 for this structure.

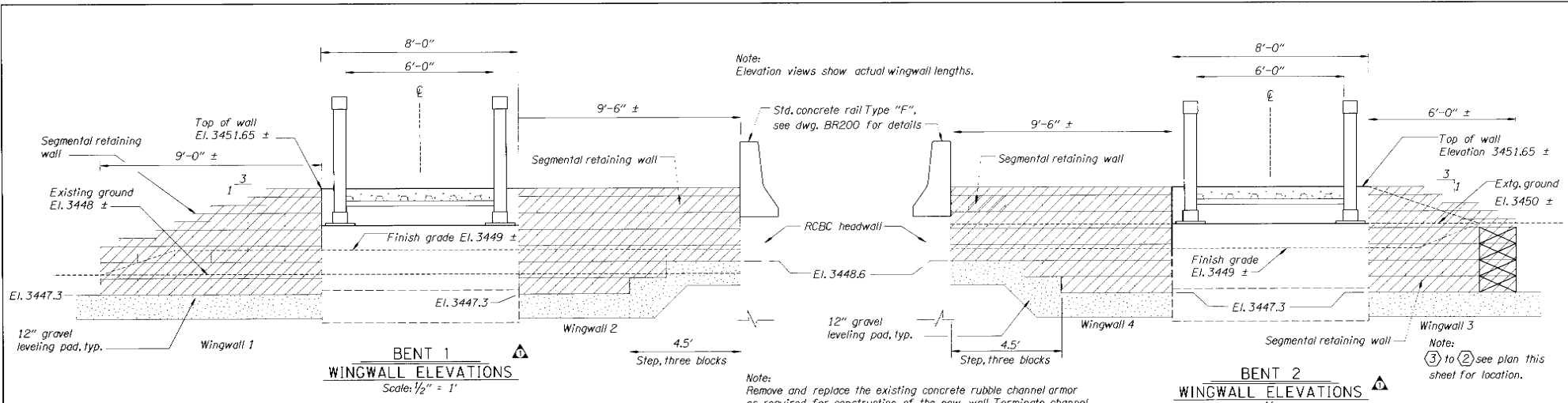
DRAFTER: Rick Stanton
 REVIEWER: Mark Hanson
 CHECKER: Lee Duvall, George Bornstedt



STRUCTURE NO.: 21140
 DATE: March 2009
 CALC. BOOK: NA

PEDESTRIAN OVER SETTLERS SLOUGH HWY 71
 OR7: DEWEY AVE. UPRR CROSSING (BAKER CITY) SEC.
 WHITNEY HIGHWAY
 BAKER COUNTY
 FOOTING PLAN

SHEET 3 OF 6
 DRAWING NO. 81712

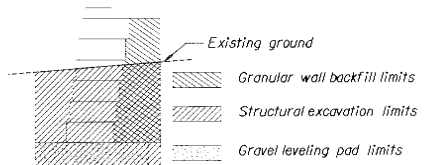


BENT 1
WINGWALL ELEVATIONS
Scale: 1/2" = 1'

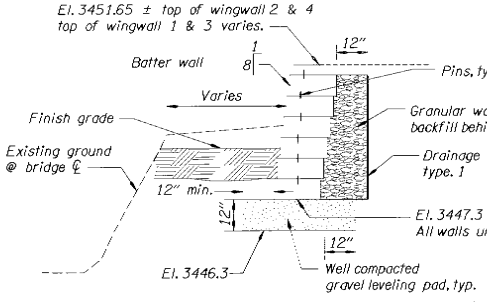
BENT 2
WINGWALL ELEVATIONS
Scale: 1/2" = 1'

Note:
Remove and replace the existing concrete rubble channel armor as required for construction of the new wall. Terminate channel armor against new wall where the two intersect, typ., both sides of channel.

Note:
(3) to (2) see plan this sheet for location.

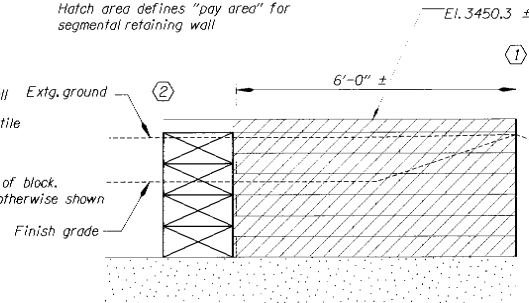


TYPICAL WORK LIMITS
NOT TO SCALE

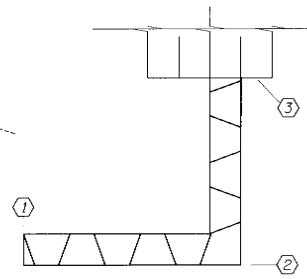


TYPICAL WINGWALL SECTION
NOT TO SCALE

Note:
Hatch area defines "pay area" for segmental retaining wall



ELEVATION
WINGWALL 3 (2) TO (1)
Scale: 3/4" = 1'

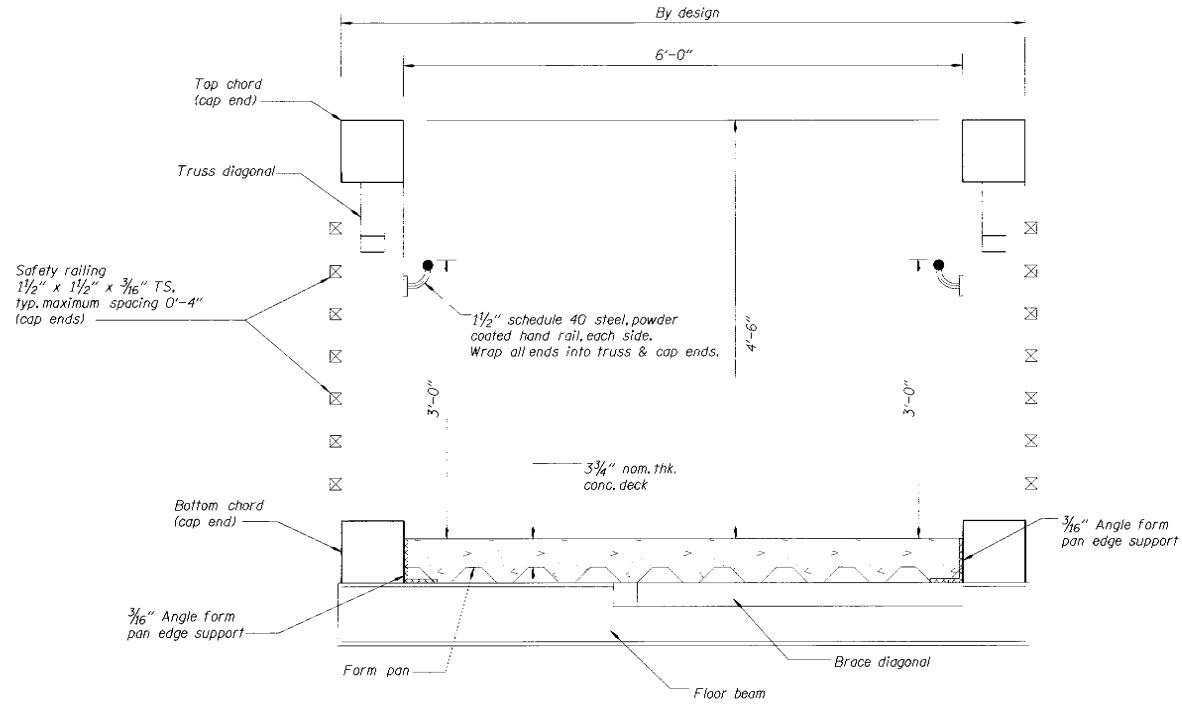


PLAN
WINGWALL 3
Scale: 1/2" = 1'

Note:
All finish grade elevations shown are approximate. Engineer will field verify final grades.

Note:
Primary segmental retaining wall units will meet the following min. requirements:
Width - 18"
Height - 8"
Depth - 18"
Unit weight - 100 lbs / each
Pinned, non-metallic, shear connectors

	DATE	REVISION	BY	DRAFTER: Rick Stanton REVIEWER: Mark Hanson CHECKER: George Bornstedt			STRUCTURE NO.	PEDESTRIAN OVER SETTLERS SLOUGH HWY 71 OR7: DEWEY AVE. UPRR U'XING (BAKER CITY) SEC. WHITNEY HIGHWAY BAKER COUNTY	SHEET
	04-17-2009	Revisions/additions	RS				21140		5
ACCOMPANIED BY DWGS. See sheet 1 for this structure.							DATE	WINGWALL DETAILS	DRAWING NO.
						March - 2009	81714		
							CALC. BOOK		
						Region 5 Tech Center 3012 Island Ave La Grande, OR 97850 (541) 963-3177	NA		

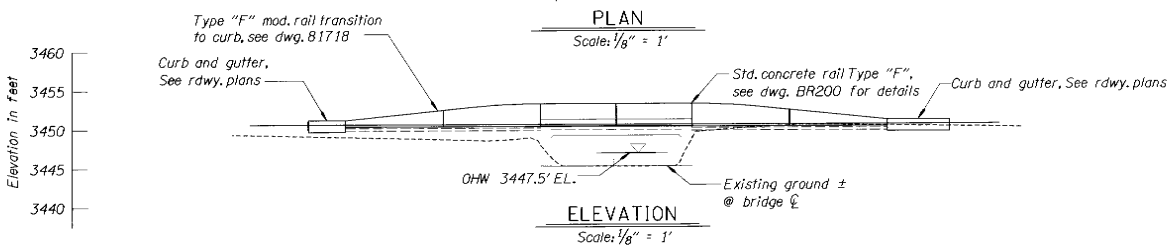
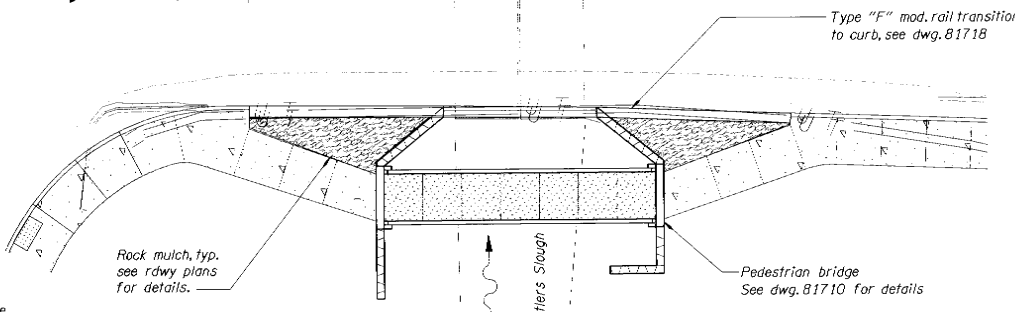
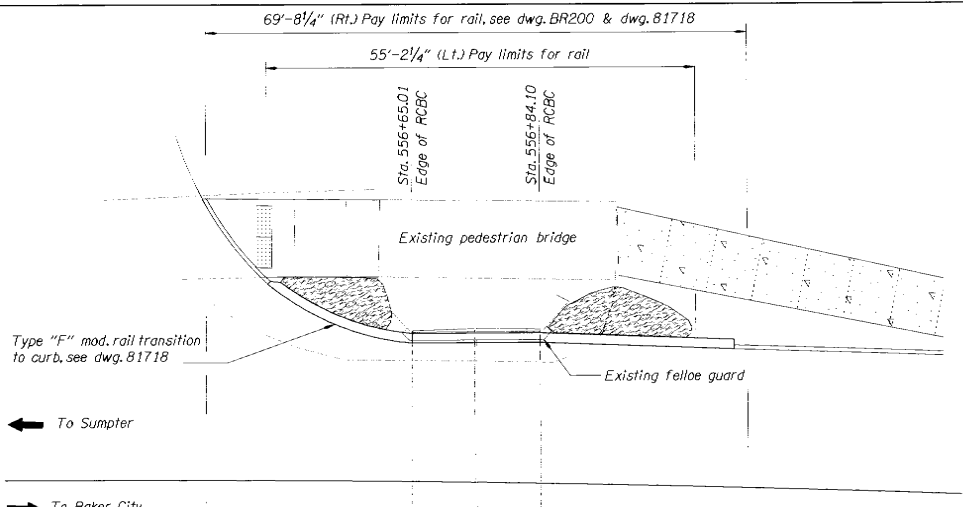


CONCEPTUAL PREFABRICATED STEEL BRIDGE SECTION DETAIL

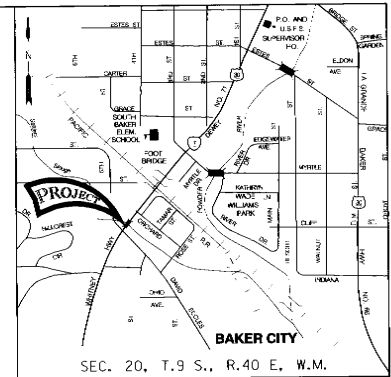
Scale: 1 1/2" = 1'



	DATE	REVISION	BY	DRAWN: <i>Rick Stanton</i> REVIEWER: <i>Mark Hanson</i> CHECKER: <i>George Bornstedt</i>			STRUCTURE NO.	PEDESTRIAN OVER SETTLERS SLOUGH HWY 71 OR7; DEWEY AVE. UPRR U'XING (BAKER CITY) SEC. WHITNEY HIGHWAY BAKER COUNTY	SHEET
	04-17-2009	change I-10e	RM				21140		6
ACCOMPANIED BY DWGS. See sheet 1 for this structure.				REGION 5 TECH CENTER 3012 Island Ave La Grande, OR 97850 (541) 963-3177		DATE	BRIDGE SECTION DETAIL	DRAWING NO.	
						March - 2009		81715	
						CALC. BOOK			
						NA			

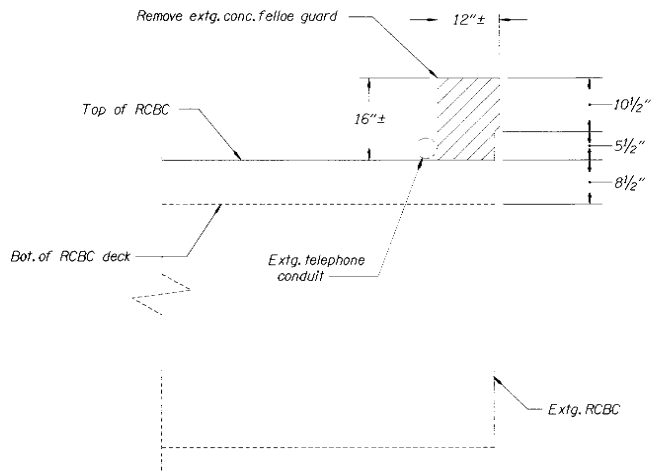


Notes:
 Utilities to be relocated by others.
 See rdwy. plans for right of way holdouts.



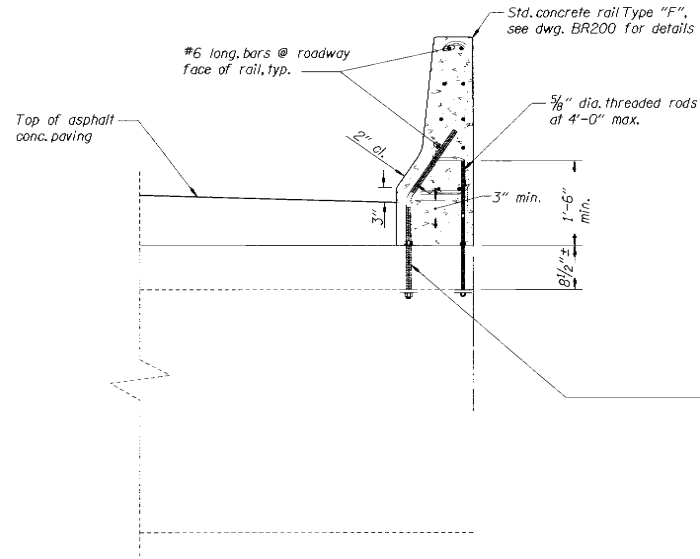
LOCATION MAP
 No Scale

	DATE	REVISION	BY	DRAFTER: Rick Stanton DESIGNER: Joe Bunt, George Bornstedt CHECKER: Scott Hayes			STRUCTURE NO.	SETTLEERS SLOUGH, HWY 71 OR7: DEWEY AVE. UPRR CROSSING (BAKER CITY) SEC. WHITNEY HIGHWAY BAKER COUNTY	SHEET
	04-16-2009	Replace sheet	EBS				02890		DATE
ACCOMPANIED BY DWGS. 81717, 81718 & BR200							March - 2009	PLAN AND ELEVATION	DRAWING NO.
							NA		81716

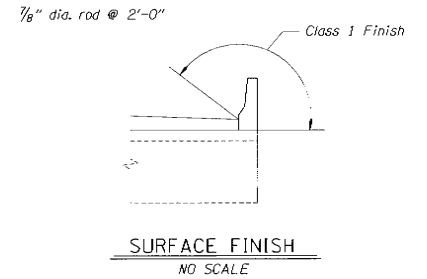
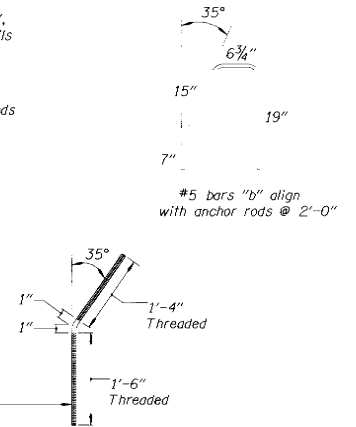


FELLOE GUARD REMOVAL DETAIL
SCALE: 1" = 1'

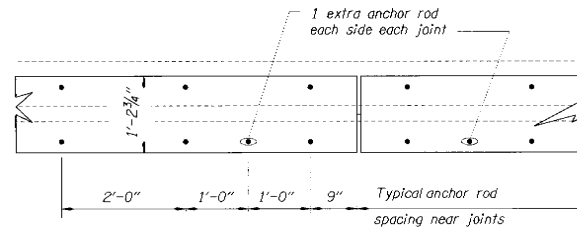
Note:
Utilities to be relocated by others.



BRIDGE RAIL CONNECTION DETAIL
SCALE: 1" = 1'



Notes:
See dwg. BR200 for details not shown.
Use #6 longitudinal bars on traffic face of rail.
Place anchor rods 9"± each side all joints and add one extra anchor rod each side each joint.
Each thru anchor rod shall have a std. nut and washer, a self locking or double nut and a washer (#3/8 x 3 x 3 (galv)).
Drill (rod dia. + 1/8") dia. holes for thru anchor rods with low-impact rotary drill.
Where anchor rods fall within vertical legs of the box culvert (or when directed by the engineer) resin bonded anchor rods may be used. Nuts and washers are not required for resin bonded anchors.

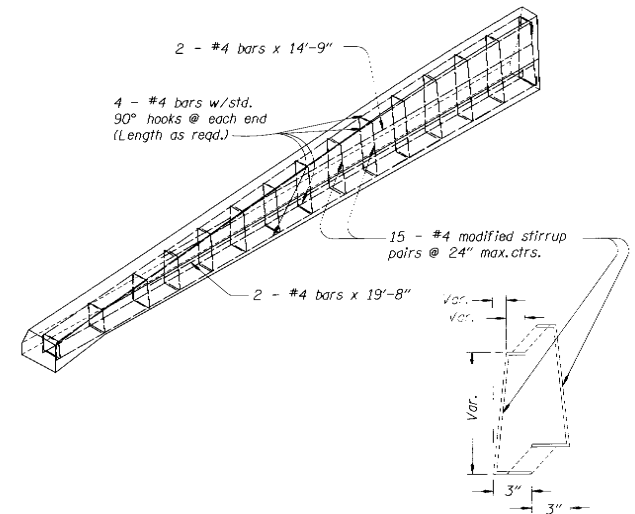
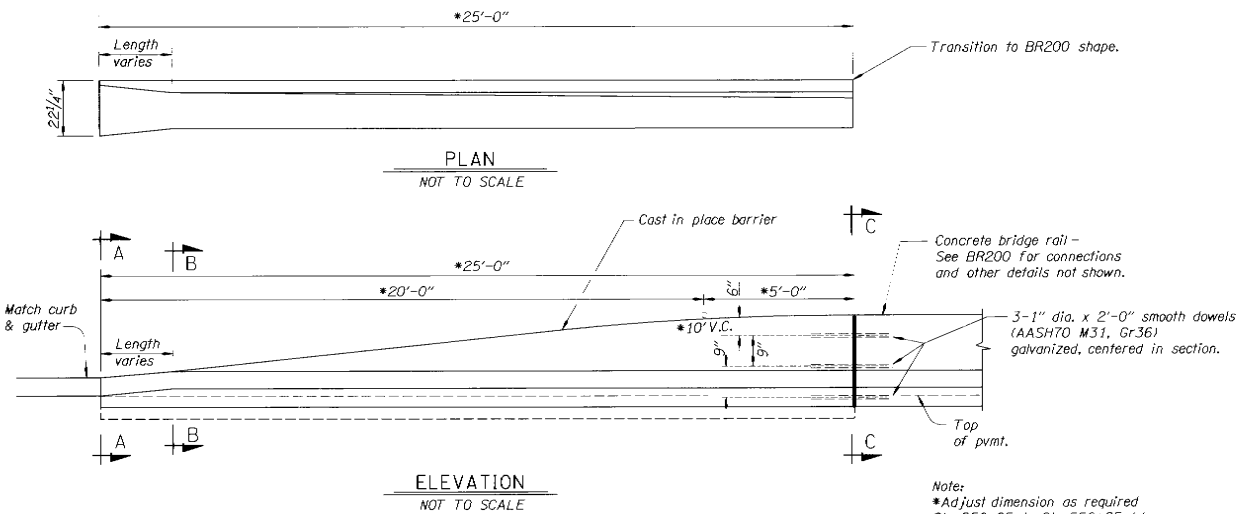


ANCHOR BOLT JOINT DETAIL
SCALE: 1" = 1'

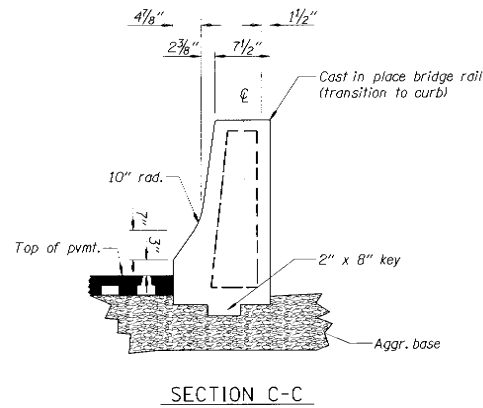
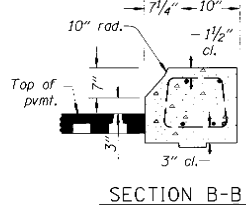
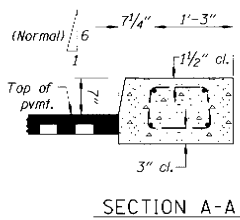
GENERAL NOTES:

Provide concrete Class 3300 - 1 1/2" or 3/4" unless shown otherwise.
Provide all structural steel conforming to AASHTO Specification M183 (ASTM A36).
Provide all anchor rods conforming to AASHTO M314, Grade 36 (ASTM A307).
Hot-dip galvanize all structural steel, anchor rods and hardware after fabrication.
Roughen all surfaces, cleaned and saturated with water immediately prior to concrete placement.
Field verify existing dimensions before fabrication of anchors.
Provide scoring joints equally spaced between open or expansion joint and Type "B" joints at bents (see dwg. BR200).
Provide work containment plan and system.

	DATE	REVISION	BY	DRAWN			STRUCTURE NO.	SETTLERS SLOUGH, HWY 71 OR7; DEWEY AVE. UPRR U'Xing (BAKER CITY) SEC. WHITNEY HIGHWAY BAKER COUNTY	SHEET
	04-16-2009	Replace sheet	RSB	Rick Stanton			02890		DATE
ACCOMPANIED BY DWGS. See sheet 1				DESIGNER			CALC.	RAIL DETAILS	OF
				CHECKER			NA		3
				Scott Hayes	REVISION DATE: 06-22-2009				81717



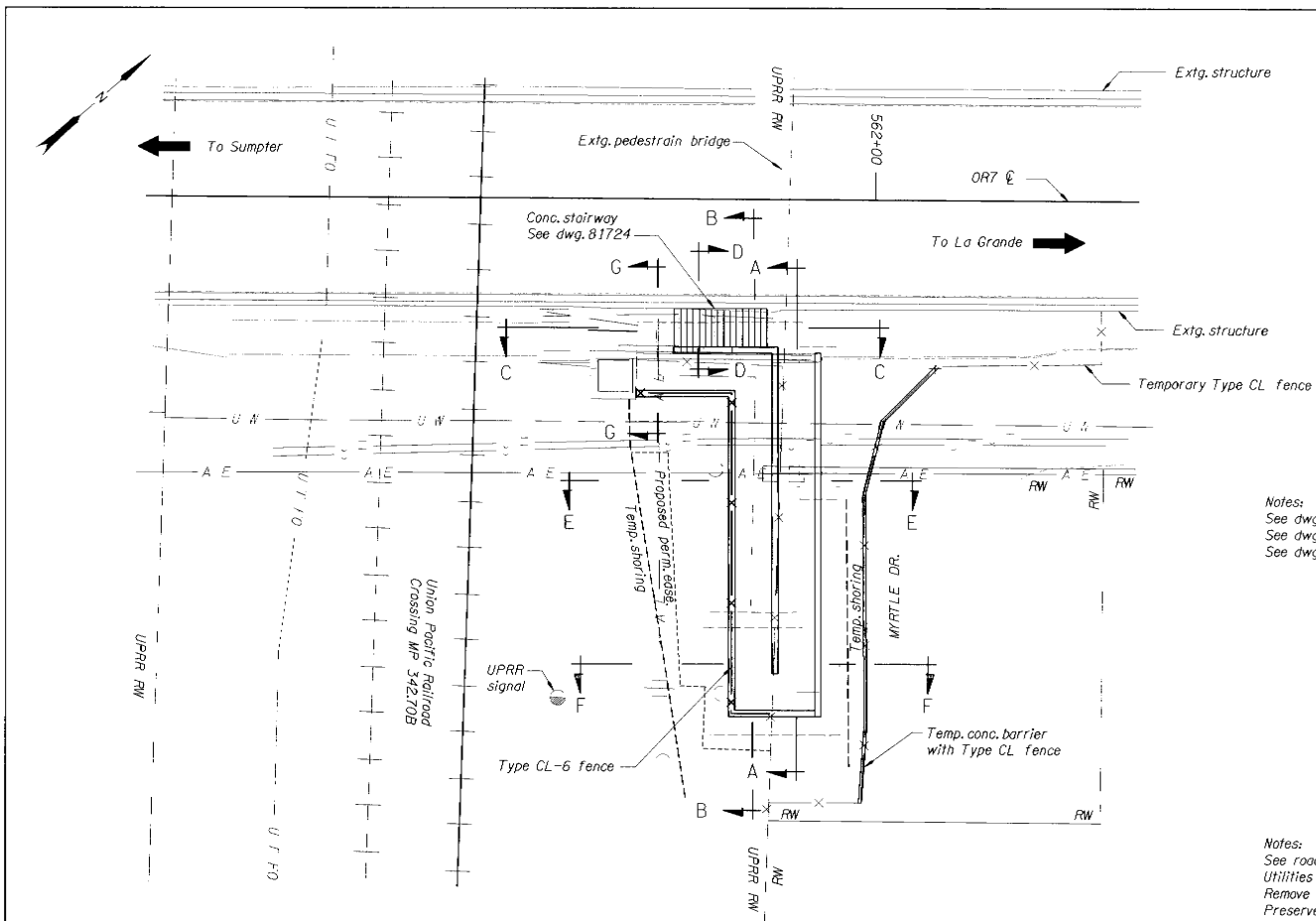
Note:
*Adjust dimension as required
Sta. 556+05 to Sta. 556+25 Lt.



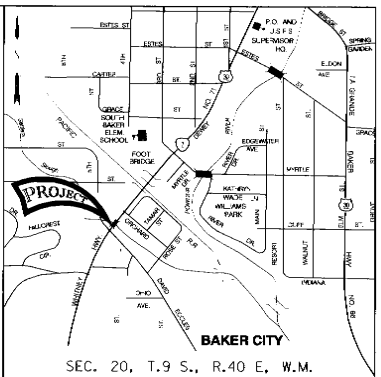
GENERAL NOTES FOR ALL DETAILS:

1. All metal reinf. shall be 1/2" (min.) clear of nearest face of conc. unless otherwise shown.
2. See BR200 for additional details.

DATE 04-16-2009	REVISION Replace sheet	BY RBS			STRUCTURE NO. 02890	SETTLERS SLOUGH, HWY 71 OR7: DEWEY AVE. UPRR U'Xing (BAKER CITY) SEC. WHITNEY HIGHWAY BAKER COUNTY	SHEET 3 OF 3
	ACCOMPANIED BY DWGS. See sheet 1				DESIGNER: George Bornstedt CHECKER: Scott Hayes		REGION 5 TECH CENTER 3012 Island Ave La Grande, OR 97850 (541) 963-3177



PLAN VIEW
Scale: 1" = 10'



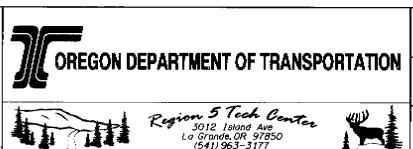
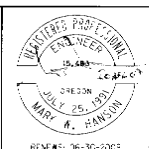
LOCATION MAP
No Scale

Notes:
See dwg. 81722 for Section A-A & B-B
See dwg. 81724 for Section C-C & D-D
See dwg. 81723 for Section E-E, F-F & G-G

Notes:
See roadway plans for right of way hold out.
Utilities to be relocated or abandoned, by others.
Remove abandoned UPRR signal pole and lines, as directed.
Preserve and protect existing UPRR signal.
Remove abandoned utility lines and conduits during excavation, as required and as directed.
Maintain 12' min. lane (one-way) on Myrtle Dr. adjacent to excavation, as directed.
Construct and maintain Type CL Temporary fence to secure UPRR RW, as shown or directed.

DATE	REVISION	BY
04-17-2009	Rep oced sheet	RBS
ACCOMPANIED BY DWGS. See dwgs 81720 thru 81724 81729 and 81790 thru 81792		

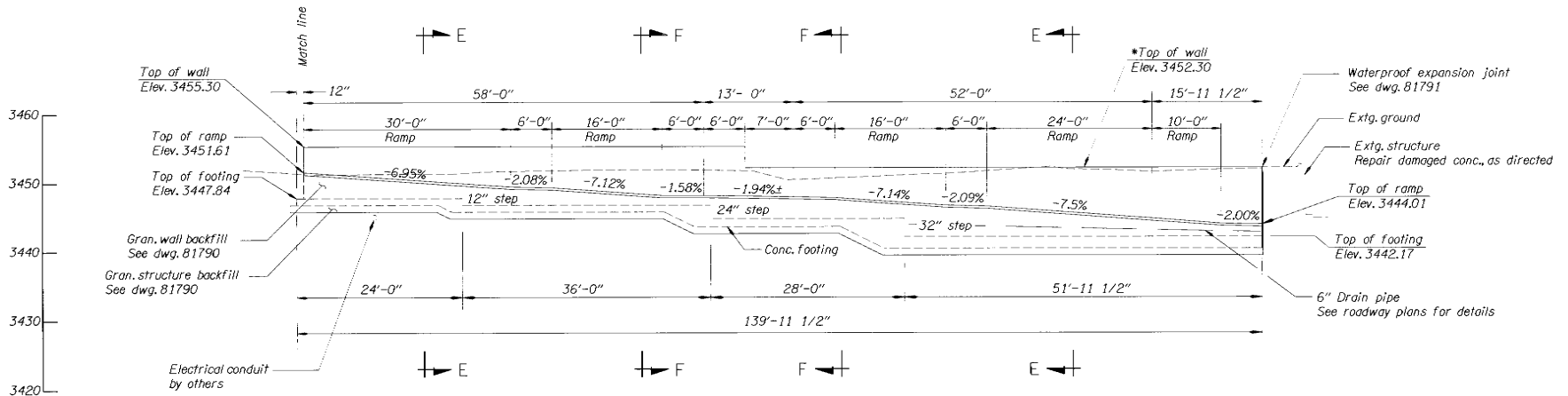
DRAFTER: George Barnstedt
DESIGNER: George Barnstedt
CHECKER: Scott Hayes



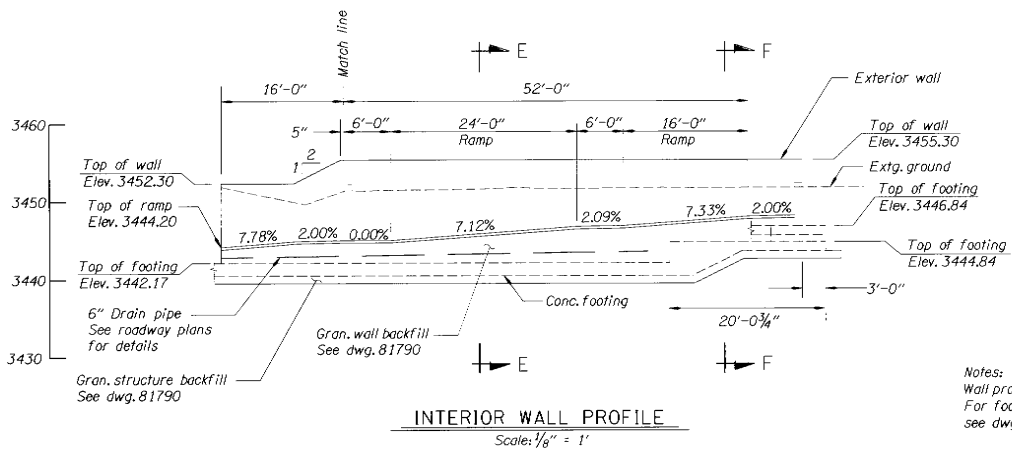
STRUCTURE NO.	06531
DATE	March - 2009
CALC. BOOK	6096

UPRR OVER HWY 71 (DEWEY AVE.) OR7: DEWEY AVE. UPRR CROSSING (BAKER CITY) SEC. WHITNEY HIGHWAY, M.P. 50.56 BAKER COUNTY
PLAN AND ELEVATION

SHEET	7
OF	10
DRAWING NO.	81719



Notes:
Wall profile taken at interior face of exterior wall.
For footing dimensions and reinforcement, see dwg. 81722 & dwg. 81723.
*Top of wall elevation to match top of extg. pump house wall - field verify.



Notes:
Wall profile taken at interior face of interior wall.
For footing dimensions and reinforcement, see dwg. 81722 & dwg. 81723.

	DATE	REVISION	BY	DRAWER: George Bornstedt DESIGNER: George Bornstedt CHECKER: Scott Hayes			STRUCTURE NO.	UPRR OVER HWY 71 (DEWEY AVE.) OR7: DEWEY AVE. UPRR CROSSING (BAKER CITY) SEC. WHITNEY HIGHWAY, M.P. 50.56 BAKER COUNTY	SHEET
	04-02-2009	Replace sheet	RBS				06531		DATE
ACCOMPANIED BY DWGS. See sheet 1							March - 2009	PROFILES	10
							CALC. BOOK		DRAWING NO.
							6096		81720

GENERAL NOTES:

Provide all materials and perform all work according to the Oregon Standard Specifications for Construction 2008.
Retaining walls are designed in accordance with the AASHTO LRFD Bridge Design Specifications 4th edition, 2007 including 2008 interim revisions as modified by the "ODOT Bridge Design & Drafting Manual".

Support the bottom mat reinforcing steel from the forms with precast mortar blocks at 24" maximum centers each way. Place wire bar supports at 24" maximum centers.

Place bars 2" clear of the nearest face of concrete and 3" clear of concrete cast against soil unless shown otherwise.

Do not fabricate reinforcing steel for walls until final footing and wall elevations have been determined in the field.

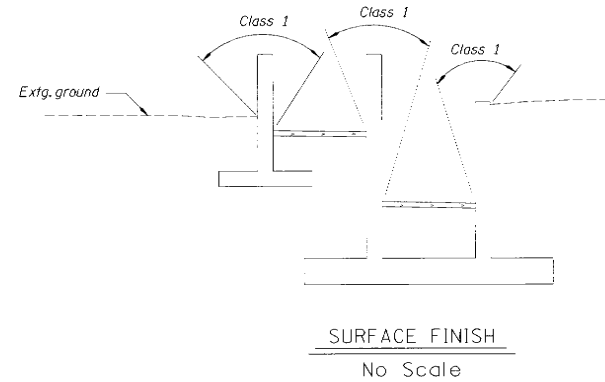
Provide Foundation Concrete, Class 4000 - 1 1/2" , 1" or 3/4" concrete in footings.
Provide General Structural Concrete, Class 4000 - 1 1/2" , 1" or 3/4" concrete in retaining walls.

Provide all reinforcing steel according to ASTM Specification A706, or AASHTO M31 (ASTM A615) Grade 60. (Provide field bent stirrups according to ASTM Specification A706). Use the following splice lengths (unless shown otherwise):
Reinforcing Splice Lengths (Class B) Grade 60

Bar Size	#3	#4	#5	#6	#7	#8	#9	#10	#11	#14	#18
Splice Length	1'-0"	1'-4"	1'-8"	2'-0"	2'-8"	3'-6"	4'-4"	5'-7"	6'-9"	Not Permitted	
Coated	1'-5"	1'-10"	2'-4"	2'-10"	3'-9"	4'-11"	6'-1"	7'-10"	9'-6"	Not Permitted	

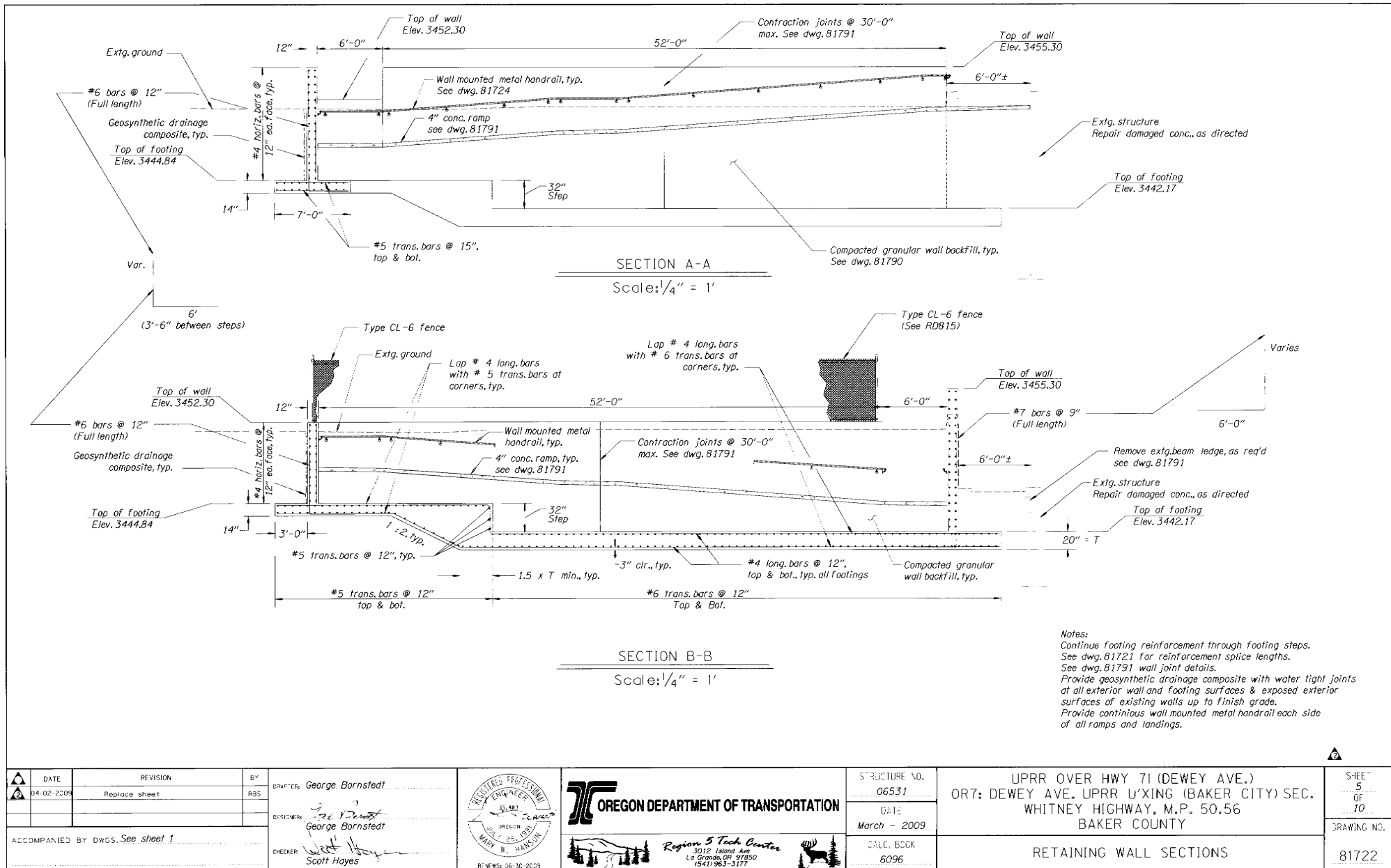
Splice reinforcing steel at alternate bars, staggered at least one splice length or as far as possible, unless shown otherwise.

Welding shall conform to the latest edition of AWS D1.5.

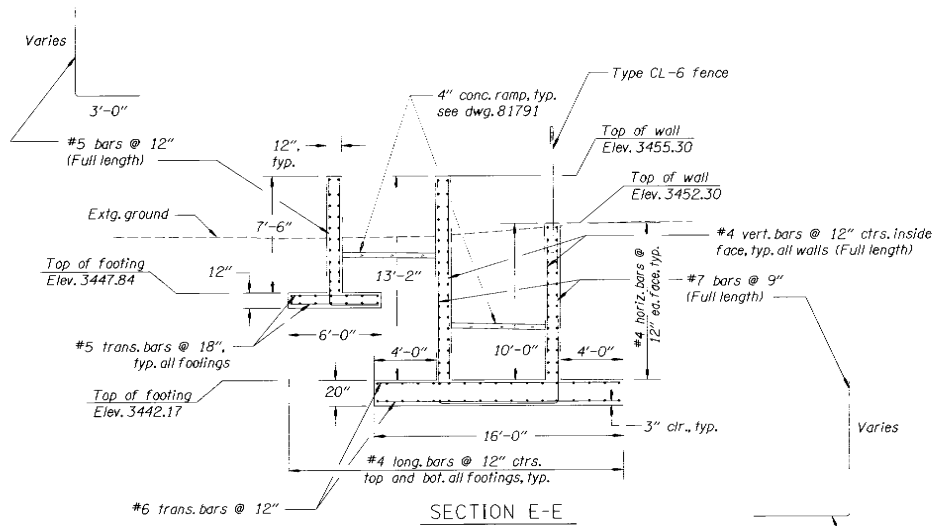


Note:
Provide class 1 surface finish on all exposed walls.
Provide class 1 surface finish on all newly exposed walls.

	DATE	REVISION	BY	DRAFTER: <i>George Barnstedt</i> DESIGNER: <i>George Barnstedt</i> CHECKER: <i>Scott Hayes</i>			STRUCTURE NO.	UPRR OVER HWY 71 (DEWEY AVE.) OR7: DEWEY AVE. UPRR U'XING (BAKER CITY) SEC. WHITNEY HIGHWAY, M.P. 50.56 BAKER COUNTY	SHEET
	04-02-2009	Replace sheet	TBS				06531		3
ACCOMPANIED BY DWGS. See sheet 1							DATE		OF
							March - 2009		10
							CALC. BOOK	DRAWING NO.	
							6096	81721	
							GENERAL NOTES AND MISC. DETAILS		

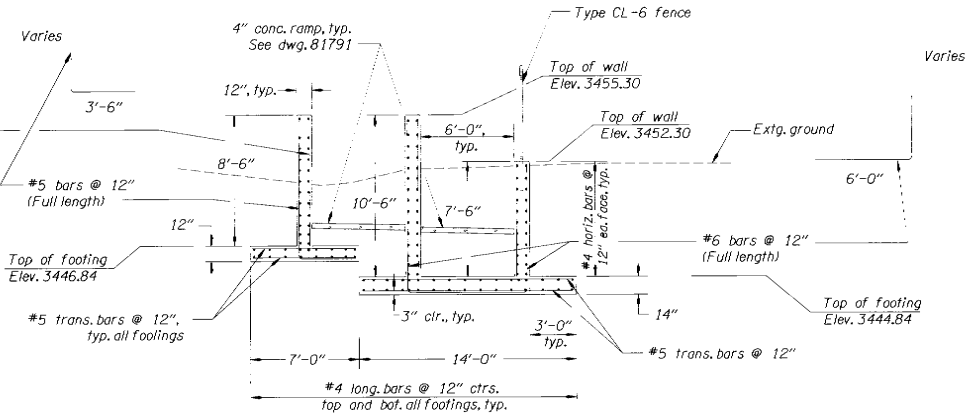


	DATE	REVISION	BY	DRAFTER: <i>George Bornstedt</i> DESIGNER: <i>George Bornstedt</i> CHECKER: <i>Scott Hayes</i>			STRUCTURE NO.	UPRR OVER HWY 71 (DEWEY AVE.) OR7: DEWEY AVE. UPRR U'XING (BAKER CITY) SEC. WHITNEY HIGHWAY, M.P. 50.56 BAKER COUNTY	SHEET
	04-02-2009	Replace sheet	RAS				06531		5
ACCOMPANIED BY DWGS. See sheet 1				CHECKER: <i>Scott Hayes</i>			DATE	RETAINING WALL SECTIONS	OF
							March - 2009		10
							CALC. BOOK		DRAWING NO.
							6096		81722



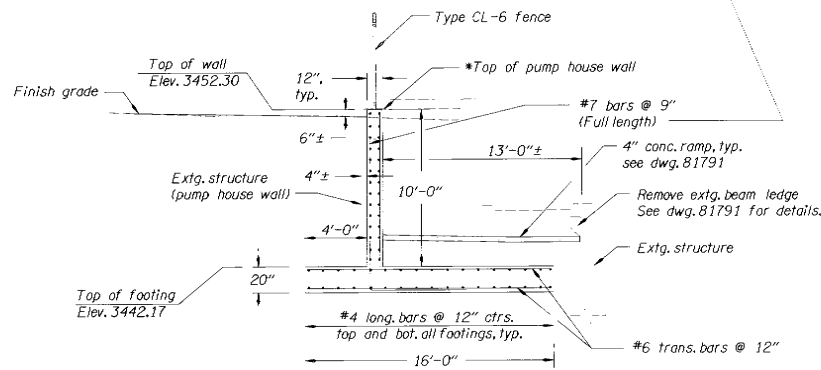
SECTION E-E

Scale: 1/4" = 1'



SECTION F-F

Scale: 1/4" = 1'



SECTION G-G

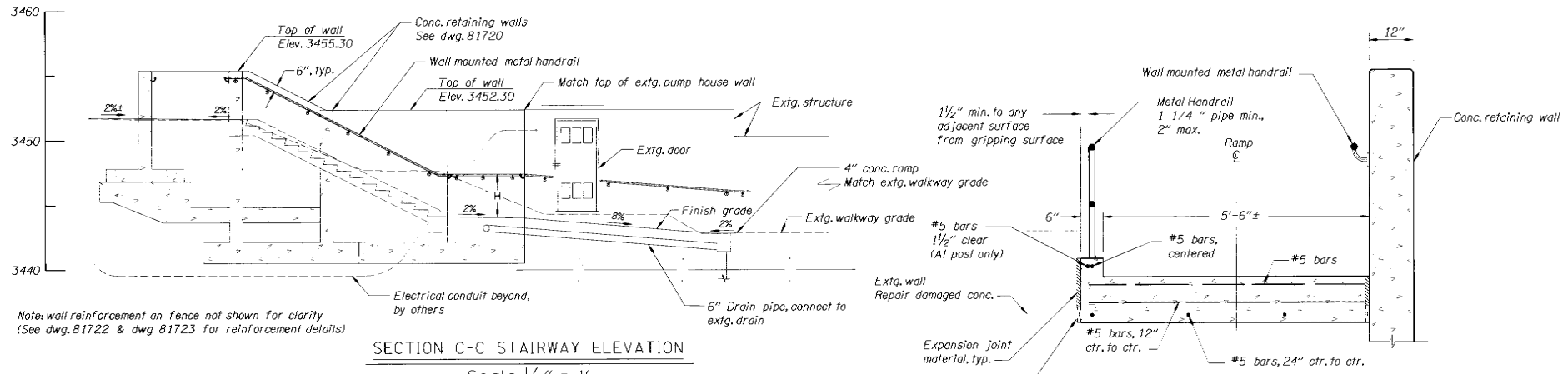
Scale: 1/4" = 1'

Note:
See Section E-E
for details not shown.

Note:
*Top of wall elevation to match top
of extg. pump house wall - field verify.
Adjust wall height as required.

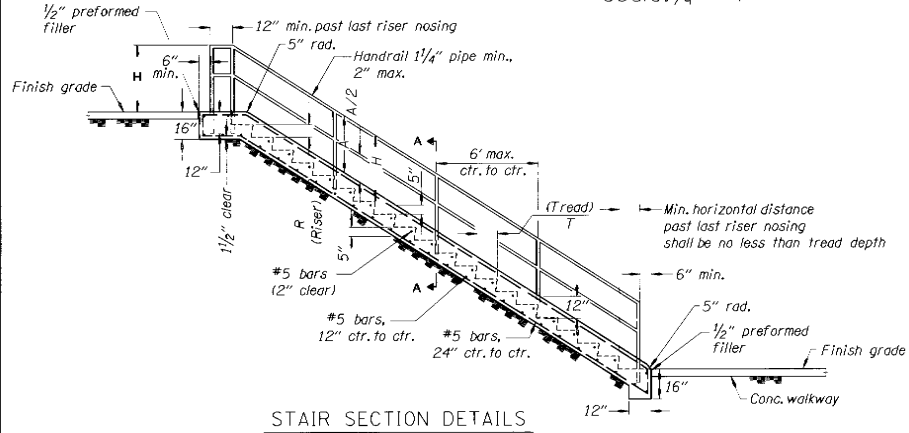
Notes:
Continue footing reinforcement through footing steps.
See dwg. 81721 for reinforcement splice lengths.
Handrail, and fill not shown for clarity.
See dwg. 81791 for wall joint details.
Lap # 4 long footing bars full length with trans. footing bars
(as shown) at footing corners, typ.

	DATE	REVISION	BY	DRAWN BY: George Barnstedt DESIGNER: George Barnstedt CHECKED BY: Scott Hayes			STRUCTURE NO.	UPRR OVER HWY 71 (DEWEY AVE.) OR7: DEWEY AVE. UPRR U'XING (BAKER CITY) SEC. WHITNEY HIGHWAY, M.P. 50.56 BAKER COUNTY	SHEET
	04-02-2009	Replace sheet	BRB				06531		6
ACCOMPANIED BY DWGS. See sheet 1				Region 5 Tech Center 3012 Island Ave La Grande, OR 97850 (541) 963-3177		DATE	RETAINING WALL SECTIONS	DRAWING NO.	
						March - 2009		81723	
				CALC. 5024 6096					

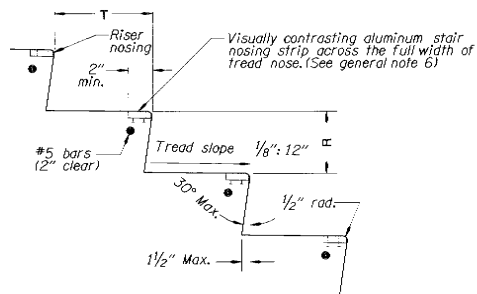


SECTION C-C STAIRWAY ELEVATION
Scale: 1/4" = 1'

SECTION D - D



STAIR SECTION DETAILS
Not to Scale



TREAD DETAIL
Not to Scale

GENERAL NOTES FOR ALL DETAILS:

1. Round edges of steps and all other exposed edges to 1/2" radius.
2. All risers in a stair flight shall be the same height.
3. All treads in a stair flight shall be the same depth.
4. All stair and ramp concrete shall be commercial grade concrete.
5. All reinforcing steel to be placed a minimum of 2" clear of nearest face of concrete unless otherwise shown or noted.
6. Provide painted contrasting strip (color shall be safety yellow), or approved equal. Install per manufacture's recommendations.
7. Provide 1 1/4" Pipe (Schedule 40, 0.140" wall, 1.660" O.D.).
8. Provide proprietary hand rail brackets at 6" max. from all corners and rail terminations and 6' max. longitudinal centers. Provide welded connections between pipe handrail and wall brackets per manufacture's recommendations. Provide galvanized mounting hardware and fasteners, as required.
9. Provide Hydratite waterstop by Greenstreak or approved equal.

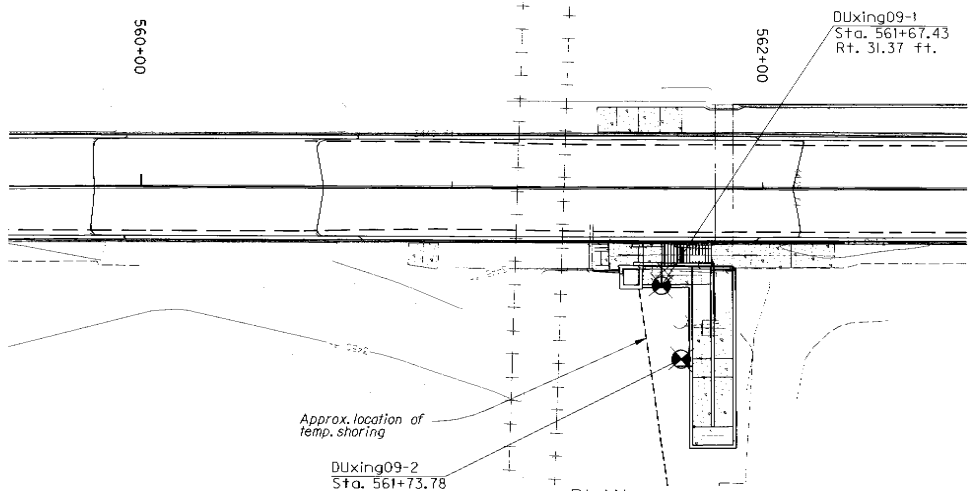
	Dimensions	Remarks
Risers	R 6"	See general note 2
Treads	T 12"	See general note 3
Handrail height	H 36" - 38"	Height measured from top of tread nosing to top of handrail

DATE	REVISION	BY
04-16-2009	Replace sheet	RBS

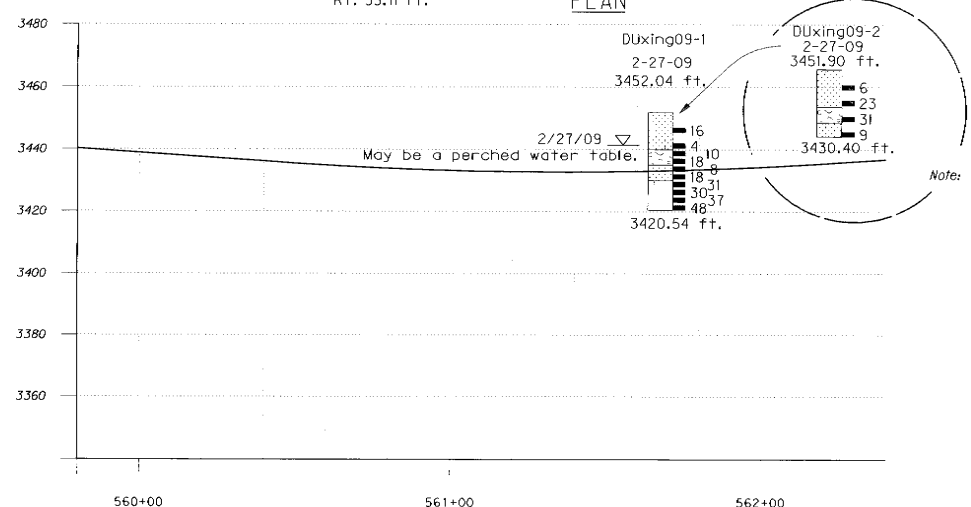
DRAFTER: George Bornstedt
 DESIGNER: George Bornstedt
 CHECKER: Scott Hayes



STRUCTURE NO. 06531	UPRR OVER HWY 71 (DEWEY AVE.) OR7: DEWEY AVE. UPRR U'XING (BAKER CITY) SEC. WHITNEY HIGHWAY, M.P. 50.56 BAKER COUNTY	SHEET 7 OF 10
DATE March - 2009	STAIR DETAILS	DRAWING NO. 81724
CALC. 500X 6096		



PLAN



PROFILE

UNIT DESCRIPTION

- Silty SAND w/gravel (SM); Brown; Nonplastic to Low Plasticity; Damp to Moist; Loose to Medium Dense; V. Fine - Fine Sand, Sm - Med. Rndd Gravel; Homogeneous; (ALLUVIUM)
- Poorly Graded GRAVEL w/silt & sand (GP-GM); Brown; Nonplastic; Wet; Loose to Medium Dense; Fine - Coarse Sand, Sm - Med. Rndd to Subangular Gravel; Homogeneous; (ALLUVIUM)
- Silty SAND (SM); Greenish Gray (Mottled Orange) to Bluish Gray; Nonplastic to Low Plasticity; Loose to Medium Dense; Fine - Med. Sand; Lensed; (ALLUVIUM)
- SILT (ML); Dark Brown to Dark Gray; Low Plasticity; Moist to Wet; Hard; Homogeneous; (ALLUVIUM)

LEGEND

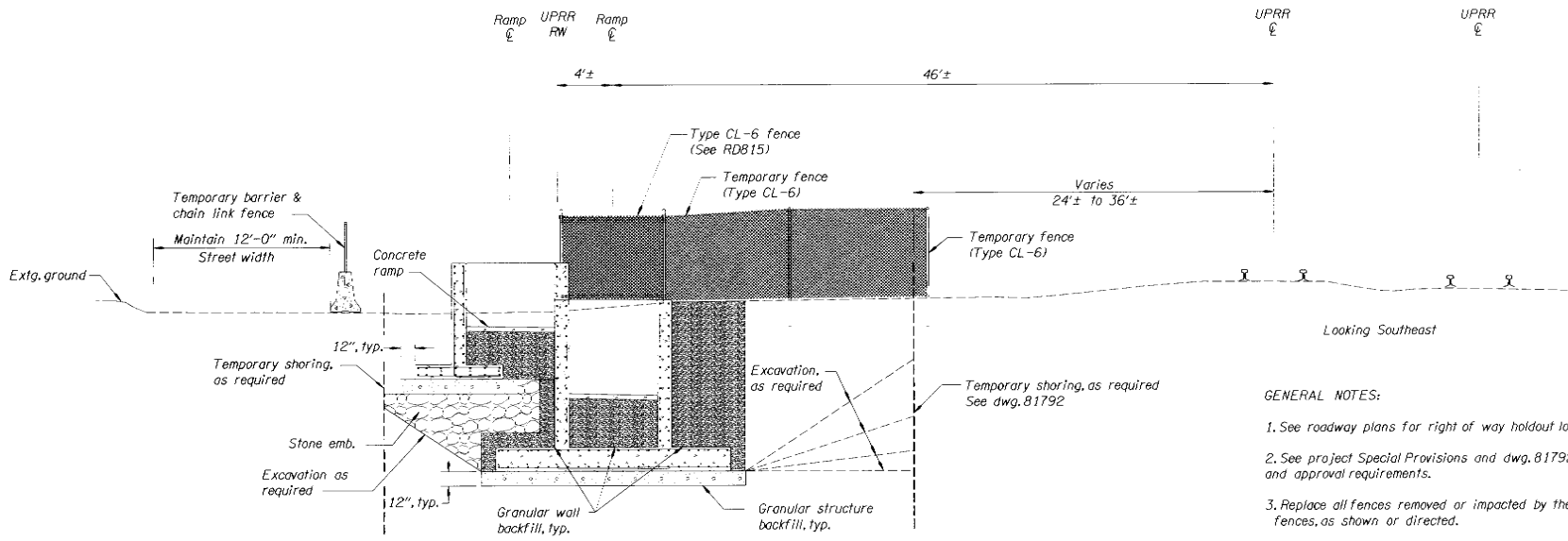
- = Drill Hole Location
- = Standard Penetration Test - N Value
- = Elevation of Groundwater Measured on the Date Shown.

Notes: Geotechnical data shown on this drawing are a consolidation of information and/or revision in terminology from the drill logs. The drill logs used in compiling this drawing are available upon request.

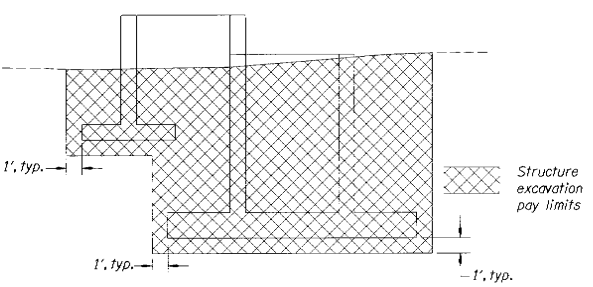
Contractor shall refer to geotechnical reports and drill logs and information contained therein.

In general accordance with ASTM D1586-84 "N" Values are reported for an interval of 12 inches except as noted.

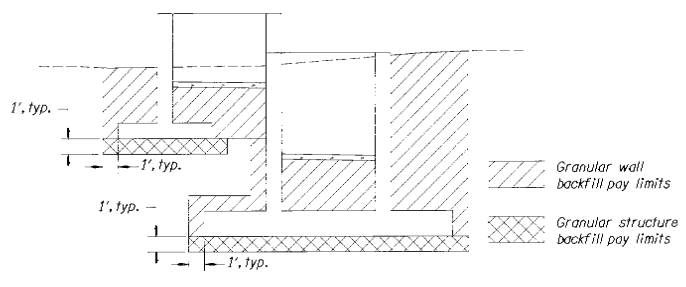
DATE 04-02-2009	REVISION Replace sheet	BY RBS	DRAWN BY Robert P. Wadlinger			STRUCTURE NO. 06531	UPRR OVER HWY 71 (DEWEY AVE.) OR7: DEWEY AVE. UPRR U'XING (BAKER CITY) SEC. WHITNEY HWY, M.P. 50.56 BAKER COUNTY	SHEET 4 OF 10
	ACCOMPANIED BY DWGS. See sheet 1.					CHECKED BY Richard C. Fredricksen		DATE MARCH - 2009
					Region 5 Tech Center 3012 Island Ave La Grande, OR 97850 (541) 963-3177	CALC. BY NA		



SHORING, EXCAVATION AND GRADING
NOT TO SCALE



PAY LIMITS FOR STRUCTURE EXCAVATION
NOT TO SCALE



PAY LIMITS FOR GRANULAR WALL & STRUCTURE BACKFILL
NOT TO SCALE

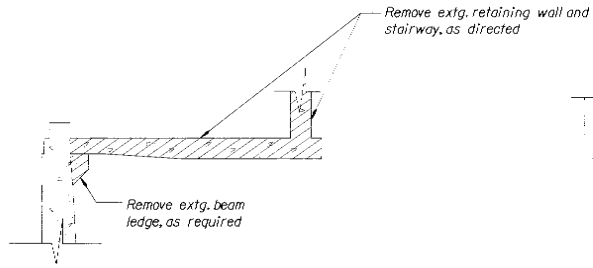
GENERAL NOTES:

1. See roadway plans for right of way holdout locations.
2. See project Special Provisions and dwg. 81792 for shoring design, submittal, and approval requirements.
3. Replace all fences removed or impacted by the project with temporary or permanent fences, as shown or directed.
4. Maintain temporary and permanent fences along UPRR right of way and around the project at all times, as directed. Use gateways for access within project limits. Ensure UPRR right of way is secure from public access at all times.
5. Remove shoring and temporary fences after retaining walls are back filled and permanent fences are installed, as directed.

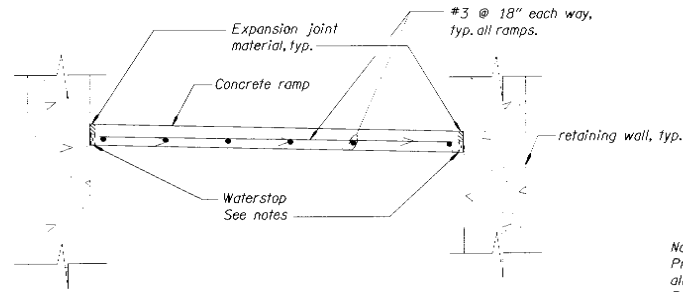
Notes:

Back fill to top of footing both sides prior to back filling walls, typ.
Back fill lower walls equally both sides up to the bottom of upper footing (2' max. difference) prior to filling exterior wall to finish grade.
Interior ramps may be filled after exterior walls are back filled.
Back fill upper wall equally both sides up to the ramp grade prior to back filling exterior wall to finish grade.

	DATE	REVISION	BY	DRAFTER: George Bornstedt DESIGNER: George Bornstedt CHECKER: Scott Hayes			Region 5 Tech Center 2012 Island Ave. La Grande, OR 97850 (541) 963-3177	STRUCTURE NO.	UPRR OVER HWY 71 (DEWEY AVE.)	SHEET 8 OF 10 DRAWING NO. 81790
	04-16-2009	Replace sheet	RBS	OR7: DEWEY AVE. UPRR CROSSING (BAKER CITY) SEC. WHITNEY HIGHWAY, M.P. 50.56 BAKER COUNTY				06531	DATE	

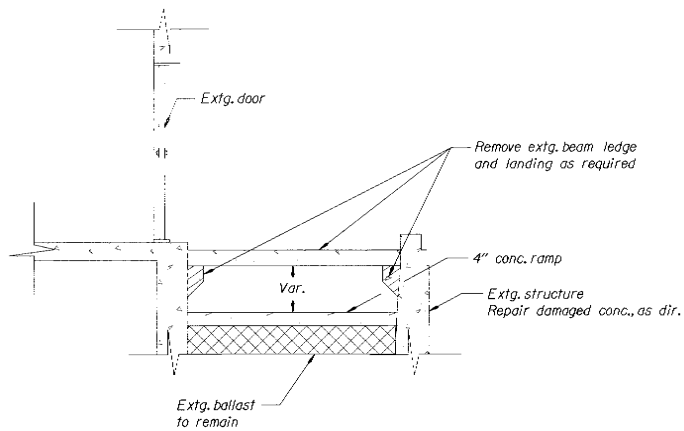


EXISTING STAIR DETAIL
NOT TO SCALE



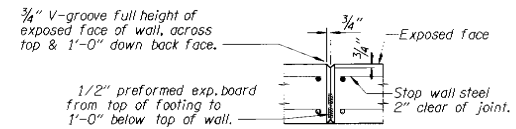
RAMP DETAIL
NOT TO SCALE

Notes:
Provide Hydrotite waterstop by Greenstreak or approved equal at all ramp and wall joints.
Provide 1/2" preformed expansion board at all ramp and wall joints.
Provide #3 reinforcement at all ramps.
Provide 1/2" preformed expansion board and #3 dowels @ 18" at all new ramp to extg. ramp joints.

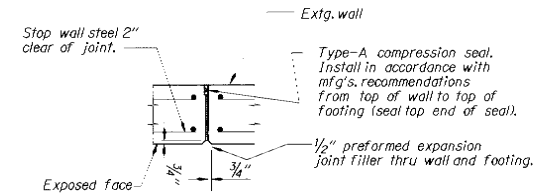


EXISTING LANDING DETAIL
NOT TO SCALE

Notes:
Provide Class 1 Finish on all newly exposed concrete surfaces.
Remove extg. ballast as required.
Preserve and protect remaining walls.

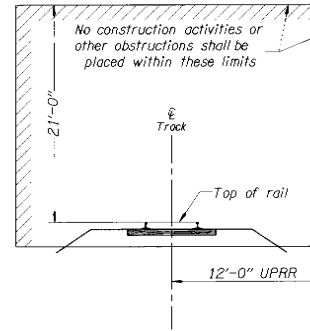
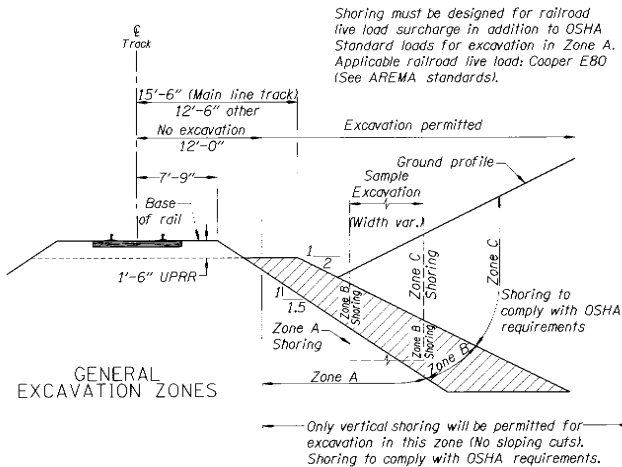


CONTRACTION JOINT
NOT TO SCALE



EXPANSION JOINT
NOT TO SCALE

	DATE	REVISION	BY	DRAFTER: <i>George Bornstedt</i> DESIGNER: <i>George Bornstedt</i> CHECKER: <i>Scott Hayes</i>			STRUCTURE NO.	UPRR OVER HWY 71 (DEWEY AVE.) OR7: DEWEY AVE. UPRR U'XING (BAKER CITY) SEC. WHITNEY HIGHWAY, M.P. 50.56 BAKER COUNTY	SHEET 9 OF 10
	04-16-2009	Replace sheet	RBS				06531		
ACCOMPANIED BY DWGS. See sheet 1 for this structure.				REGION 5 TECH CENTER 3012 Island Ave La Grande, OR 97850 (541) 963-3177	DATE March - 2009	D.A. BOCK 6096	MISCELLANEOUS DETAILS	81791	



RAILROAD GENERAL NOTES:

1. Railroad review and approval of shoring, erection, demolition, and falsework is required. Allow a minimum of four weeks for the review and approval of each submittal.
2. The proposed grade separation project shall not increase the quantity and/or characteristics of the flow in the Railroad's ditches and/or drainage structures.
3. The elevation of the existing top-of-rail profile shall be verified before beginning construction. All discrepancies shall be brought to the attention of the Railroad prior to construction.
4. The contractor must submit a proposed method of erosion and sediment control and have the method approved by the Railroad.
5. All shoring systems that impact the Railroad's operations and/or supports the Railroad's embankment shall be designed and constructed per current Railroad Guidelines for Temporary Shoring.
6. All demolitions within the Railroad's right-of-way and/or demolition that may impact the Railroad's tracks or operations shall be in compliance with the Railroad's Demolition Guidelines.
7. Erection over the Railroad's right-of-way shall be designed to cause no interruption to the Railroad's operation, enabling the track(s) to remain open to traffic per the Railroad's requirements.
8. All construction phasing that may impact the Railroad operations shall be designed to cause no interruption to the Railroad's operation, enabling the track(s) to remain open to traffic per the Railroad's requirements.
9. False-work clearances shall comply with minimum construction clearances.
10. All permanent clearances shall be verified by the agency before project closing.
11. For Railroad coordination refer to the Railroad Coordination Requirements as part of special provisions.

Refer to the Plan and Elevation of the Situation & Layout sheets (TS & LI) for the following information required by the Railroad (Ref. Railroad Plan No. 711100, Sheet 2 in "Guidelines for Railroad Grade Separation Projects"):

1. Centerline of bridge and/or centerline of project.
2. Track layout and limits of Railroad right-of-way with respect to centerline of main lines.
3. Future tracks, access roadways and existing tracks as main line, siding, spur, etc.
4. Point of minimum vertical clearance and distance, measured perpendicular, from the centerline of nearest track.
5. Horizontal clearance at right angle from centerline of nearest existing or future track to the face of obstruction such as substructure above grade.
6. Horizontal clearance at right angle from centerline of nearest existing or future track to the face of nearest foundation below grade.
7. Horizontal spacing at right angle between centerlines of existing and/or future tracks.
8. Limits of shoring and minimum distance at right angle from centerline of nearest track.
9. All existing facilities and utilities and their proposed relocation, if required.
10. Toe of slope and/or limits of retaining wall.
11. Existing and proposed contours.
12. Railroad Milepost and direction of increasing Milepost.
13. Direction of flow for all drainage systems within project limits.
14. Limits of barrier rail and fence with respect to centerline of track.
15. Depth of foundation below bottom of tie.
16. Top and bottom of pier protection wall elevation relative to top of rail elevation.
17. Controlling dimensions of drainage ditches and/or drainage structures.
18. Top of rail elevations for all tracks.
19. Minimum permanent vertical clearance above top of high rail to the lowest point under the bridge.
20. Existing and proposed ground lines & roadway profile.
21. Type of slope paving.
22. Location of deck drains.
23. Total width of superstructure.
24. Width of shoulder and/or sidewalk.

GENERAL SHORING NOTES:

1. All dimensions are measured perpendicular to Track.
2. Prior to commencing any work, submit to the Railroad for approval, detailed plans indicating the nature and extent of the track protection shoring proposed. Install the temporary shoring system per the approved plans. Design the temporary shoring system to comply with the Railroad's "Guidelines for Temporary Shoring."
3. For excavations which encroach into Zone A or B, submit calculations with shoring plans. Plans and calculations must be signed and stamped by a Professional Engineer registered in the State of Oregon.

DATE: 04-17-2009	REV. SIGN: Replaced sheet	BY: RBS	DRAFTER: Rick B. Stanton	DESIGNER: George Barnsted	CHECKER: Scott Hayes	STRUCTURE NO.: 06531	UPRR OVER HWY 71 (DEWEY AVE.) OR7: DEWEY AVE. UPRR CROSSING (BAKER CITY) SEC. WHITNEY HIGHWAY, M.P. 50.56 BAKER COUNTY	SHEET: 10 OF 10
						DATE: March - 2009		DRAWING NO.: 81792
ACCOMPANIED BY DWGS. See sheet 1						Region 5 Tech Center 3012 Island Ave La Grande, OR 97050 (541) 963-3177	CALC. BOOK: 6096	