

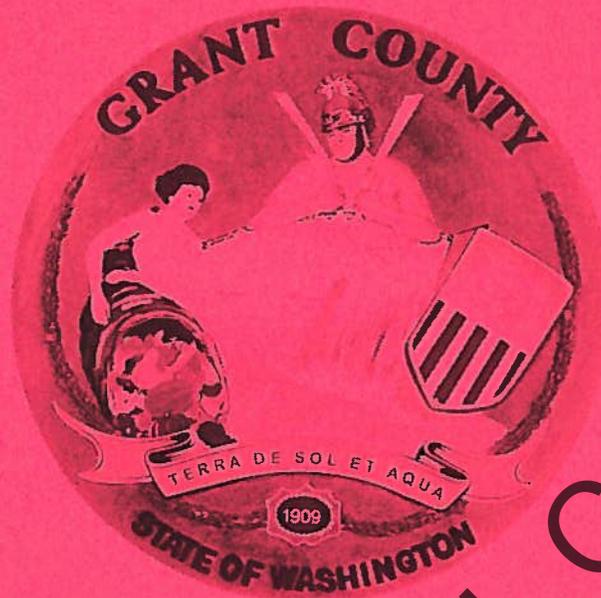
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## CONTRACT PROVISIONS and PLANS

For Construction of:

6-SE Road  
CRP 10-07

Sealed Bids will be Opened on  
**February 26, 2013**

at

**1:30 P.M.**

at the Office of the  
Board of County Commissioners

Grant County Courthouse

P.O. Box 37

35 C Street NW, Room 207

Ephrata, Washington 98823

INFORMATIONAL COPY

## NOTICE TO CONTRACTORS

Sealed bids, plainly marked "**BID FOR 6-SE Road, CRP 10-07**", will be received by Grant County at the Office of the Board of County Commissioners located in the County Courthouse, P.O. Box 37, 35 C Street NW – Room 207, Ephrata, WA, 98823, until **1:30 P.M., Tuesday, February 26, 2013** and will then and there be opened and publicly read for the construction of the improvements.

All bid proposals shall be accompanied by a bid proposal deposit in cash, certified check, cashier's check, or surety bond in an amount equal to five percent (5%) of the amount of such bid proposal. No conditional bid bond will be accepted. Should the successful bidder fail to enter into such contract and furnish a satisfactory performance bond within the time stated in the specifications, the bid proposal deposit shall be forfeited to Grant County.

Maps, plans and specifications may be purchased from the office of the County Engineer, 124 Enterprise St. S.E., Ephrata, WA 98823, upon payment of the amount of \$25.00 (non-refundable).

Informational copies of the maps, plans and specifications are on file for inspection at the Grant County Public Works Building, 124 Enterprise St. S.E., Ephrata, WA 98823, and in various plan centers located in Washington.

The Board of County Commissioners of Grant County, Washington, reserves the right to reject any and all bids. The award of this contract, if made, will be to the lowest responsible bidder.

The improvement for which bids will be received follows:

### **6-SE Road – CRP 10-07**

This contract provides for the reconstruction of 3.81 miles of a county road in Grant County, WA, and includes rotomilling, roadway excavation, embankment compaction, borrow excavation, crushed surfacing base course, maintenance rock, drainage items, guardrail, paint lines, permanent signing, seeding, fertilizing, mulching and other work all in accordance with the attached Contract Plans, these Contract Provisions and the Standard Specifications.

## BIDDER'S CHECK LIST

The bidder's attention is especially called to the following forms which must be executed in full as required:

- (A) PROPOSAL  
The unit prices bid must be shown in the spaces provided. Show unit prices in figures only. All extensions of the unit prices must be shown in the spaces provided.
- (B) PROPOSAL SIGNATURE SHEET  
To be filled in and signed by the bidder.
- (C) STATEMENT OF CONTRACTOR QUALIFICATIONS  
To be filled in and signed by the bidder.
- (D) BID BOND  
This form is to be executed by the bidder and his surety company unless the bid is accompanied by cash, certified or cashier's check. The amount of this bond shall be equal to 5% of the total amount bid and may be shown in dollars or on a percentage basis.
- (E) Non-Collusion Declaration (272-036)

The following forms are to be executed after the contract is awarded:

- (F) CONTRACT  
This agreement is to be executed by the successful bidder, his surety company, and Grant County.
- (G) CONTRACT BOND  
To be executed by the successful bidder and his surety company.

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- Standard Plans
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1 **INTRODUCTION**

2 The following Amendments and Special Provisions shall be used in conjunction with the 2012  
3 Standard Specifications for Road, Bridge, and Municipal Construction.

4

5

6 **AMENDMENTS TO THE STANDARD SPECIFICATIONS**

7

8 The following Amendments to the Standard Specifications are made a part of this contract and  
9 supersede any conflicting provisions of the Standard Specifications. For informational  
10 purposes, the date following each Amendment title indicates the implementation date of the  
11 Amendment or the latest date of revision.

12

13 Each Amendment contains all current revisions to the applicable section of the Standard  
14 Specifications and may include references which do not apply to this particular project.

15

16 **Section 1-01, Definition and Terms**

17

18 **August 6, 2012**

19 **1-01.3 Definitions**

20

21 The definition for "**Bid Documents**" is revised to read:

22

23 The component parts of the proposed Contract which may include, but are not limited to,  
24 the Proposal Form, the proposed Contract Provisions, the proposed Contract Plans,  
25 Addenda, and, for projects with Contracting Agency subsurface investigations, the  
26 Summary of Geotechnical Conditions and subsurface boring logs (if any).

27

28 The definition for "**Superstructures**" is revised to read:

29

30 The part of the Structure *above*:

31

32 1. The bottom of the grout pad for the simple and continuous span bearing, or

33

34 2. The bottom of the block supporting the girder, or

35

36 3. Arch skewback and construction joints at the top of vertical abutment members or  
37 rigid frame piers.

38

39 Longitudinal limits of the Superstructure extend from end to end of the Structure in  
40 accordance with the following criteria:

41

42 1. From the face of end diaphragm abutting the bridge approach embankment for  
43 end piers without expansion joints, or

44

45 2. From the end pier expansion joint for bridges with end pier expansion joints.

46

47 Superstructures include, but are not limited to, the bottom slab and webs of box girders, the  
48 bridge deck and diaphragms of all bridges, and the sidewalks when shown on the bridge  
49 deck. The Superstructure also includes the girders, expansion joints, bearings, barrier, and  
50 railing attached to the Superstructure when such Superstructure components are not  
51 otherwise covered by separate unit measured or lump sum bid items.

52

53 Superstructures do not include endwalls, wingwalls, barrier and railing attached to the  
54 wingwalls, and cantilever barriers and railings unless supported by the Superstructure.

1

2 **Section 1-02, Bid Procedures and Conditions**  
3 **January 2, 2012**

4 **1-02.4(2) Subsurface Information**

5 The first two sentences in the first paragraph are revised to read:

6

7 If the Contracting Agency has made subsurface investigation of the site of the proposed  
8 work, the boring log data, soil sample test data, and geotechnical recommendations reports  
9 obtained by the Contracting Agency will be made available for inspection by the Bidders at  
10 the location specified in the Special Provisions. The Summary of Geotechnical Conditions,  
11 as an appendix to the Special Provisions, and the boring logs shall be considered as part of  
12 the Contract.  
13

14 **Section 1-03, Award and Execution of Contract**  
15 **April 2, 2012**

16 **1-03.1(1) Tied Bids**

17 This section's title is revised to read:

18

19 **1-03.1(1) Identical Bid Totals**

20

21 **Section 1-05, Control of Work**  
22 **August 6, 2012**

23 **1-05.13(1) Emergency Contact List**

24 The second sentence in the first paragraph is revised to read:

25

26 The list shall include, at a minimum, the Prime Contractor's Project Manager, or equivalent,  
27 the Prime Contractor's Project Superintendent, the Erosion and Sediment Control (ESC)  
28 Lead and the Traffic Control Supervisor.  
29

30 **Section 1-06, Control of Material**  
31 **January 7, 2013**

32 **1-06.1(4) Fabrication Inspection Expense**

33 The first paragraph is revised to read:

34

35 In the event the Contractor elects to have items fabricated beyond 300 miles from Seattle,  
36 Washington, the Contracting Agency will deduct from payment due the Contractor costs to  
37 perform fabrication inspection on the following items:

38

- 39 • Bridge Bearings (Cylindrical, Disc, Fabric Pad, Pin, Pendulum, Rocker, and
- 40 Spherical)
- 41 • Cantilever Sign Structures and Sign Bridges
- 42 • Epoxy-Coated Reinforcing Steel
- 43 • Metal Bridge Railing and Handrail
- 44 • Modular Expansion Joints

- 1 • Painted Piling and Casing
- 2 • Painted and Powder-Coated Luminaire and Signal Poles
- 3 • Precast Concrete Catch Basins, Manholes, Inlets, Drywells, and Risers
- 4 • Precast Concrete Drain, Perforated Underdrain, Culvert, Storm Sewer, and
- 5 Sanitary Sewer Pipe
- 6 • Precast Concrete Three Sided Structures
- 7 • Precast Concrete Junction Boxes, Pull Boxes, Cable Vaults, Utility Vaults, and Box
- 8 Culverts
- 9 • Precast Concrete Traffic Barrier
- 10 • Precast Concrete Marine Pier Deck Panels
- 11 • Precast Concrete Floor Panels
- 12 • Precast Concrete Structural Earth Walls, Noise Barrier Walls, and Wall Stem
- 13 Panels
- 14 • Precast Concrete Retaining Walls, including Lagging Panels
- 15 • Prestressed Concrete Girders and Precast Bridge Components
- 16 • Prestressed Concrete Piles
- 17 • Seismic Retrofit Earthquake Restrainers
- 18 • Soldier Piles
- 19 • Steel Bridges and Steel Bridge Components
- 20 • Steel Column Jackets
- 21 • Structural Steel for Ferry Terminals, including items such as Dolphins, Wingwalls,
- 22 and Transfer Spans
- 23 • Treated Timber and Lumber 6-inch by 6-inch or larger
- 24 • Timber
- 25 • Additional items as may be determined by the Engineer

26  
27 The footnote below the table is revised to read.

- 28
- 29 \* An inspection day includes any calendar day or portion of a calendar day spent by one
- 30 inspector inspecting, on standby, or traveling to and from a place of fabrication. An
- 31 additional cost per inspection day will be assessed for each additional inspector.
- 32 Reimbursement will be assessed at \$280.00 per day for weekends and holidays for
- 33 each on site inspector in travel status, but not engaged in inspection or travel activities
- 34 when fabrication activities are not taking place.
- 35

36 **Section 1-07, Legal Relations and Responsibilities to the Public**

37 **January 7, 2013**

38 **1-07.1 Laws to be Observed**

39 The following two sentences are inserted after the first sentence in the third paragraph:

40

41 In particular the Contractor's attention is drawn to the requirements of WAC 296.800 which

42 requires employers to provide a safe workplace. More specifically WAC 296.800.11025

43 prohibits alcohol and narcotics from the workplace.

44

45 **1-07.9(2) Posting Notices**

46 This section is revised to read:

47

48 Notices and posters shall be placed in areas readily accessible to read by employees. The

49 Contractor shall ensure the following are posted:

- 50
- 51 1. EEOC - P/E-1 (revised 11/09) - Equal Employment Opportunity is THE LAW
- 52 published by US Department of Labor. Post for projects with federal-aid funding

2. FHWA-1022 (revised 11/11) - NOTICE Federal-Aid Project published by Federal Highway Administration (FHWA). Post for projects with federal-aid funding
3. WH 1321 (revised 04/09) - Employee Rights under the Davis-Bacon Act published by US Department of Labor. Post for projects with federal-aid funding
4. WHD 1088 (revised 07/09) - Employee Rights under the Fair Labor Standards Act published by US Department of Labor. Post on all projects
5. WHD - 1420 (revised 01/09) - Employee Rights and Responsibilities under The Family and Medical Leave Act published by US Department Of Labor. Post on all projects
6. WHD-1462 (revised 01/12) – Employee Polygraph Protection Act published by US Department of Labor. Post on all projects
7. F416-081-909 (revised 12/12) - Job Safety and Health Law published by Washington State Department of Labor and Industries. Post on all projects
8. F242-191-909 (revised 12/12) - Notice to Employees published by Washington State Department of Labor and Industries. Post on all projects
9. F700-074-909 (revised 12/12) - Your Rights as a Worker in Washington State by Washington State Department of Labor and Industries (L&I). Post on all projects
10. EMS 9874 (revised 04/12) - Unemployment Benefits published by Washington State Employee Security Department. Post on all projects
11. Post one copy of the approved "Statement of Intent to Pay Prevailing Wages" for the Contractor, each Subcontractor, each lower tier subcontractor, and any other firm (Supplier, Manufacturer, or Fabricator) that falls under the provisions of RCW 39.12 because of the definition of "Contractor" in WAC 296-127-010
12. Post one copy of the prevailing wage rates for the project

#### **1-07.14 Responsibility for Damage**

The fifth paragraph is revised to read:

Pursuant to RCW 4.24.115, if such claims, suits, or actions result from the concurrent negligence of (a) the indemnitee or the indemnitee's agents or employees and (b) the Contractor or the Contractor's agent or employees, the indemnity provisions provided in the preceding paragraphs of this Section shall be valid and enforceable only to the extent of the Contractor's negligence or the negligence of its agents and employees.

#### **1-07.15 Temporary Water Pollution/Erosion Control**

The third paragraph is deleted.

### **Section 1-08, Prosecution and Progress**

**April 2, 2012**

#### **1-08.1 Subcontracting**

In the eighth paragraph, "Contracting Agency" is revised to read "WSDOT".

1  
2 **1-08.3(1) General Requirements**

3 The following new paragraph is inserted after the first paragraph:

4  
5 Total float belongs to the project and shall not be for the exclusive benefit of any party.  
6

7 **1-08.7 Maintenance During Suspension**

8 The second paragraph is revised to read:

9  
10 At no expense to the Contracting Agency, the Contractor shall provide through the  
11 construction area safe, smooth, and unobstructed roadways and pedestrian access routes  
12 for public use during the suspension (as required in Section 1-07.23 or the Special  
13 Provisions.) This may include a temporary road, alternative pedestrian access route or  
14 detour.  
15

16 **Section 1-09, Measurement and Payment**  
17 **August 6, 2012**

18 **1-09.1 Measurement of Quantities**

19 The following new sentence is inserted after the sentence "'Ton":2,000 pounds of avoirdupois  
20 weight":  
21

22 Items of payment that have "Lump Sum" or "Force Account" in the Bid Item of Work shall  
23 have no specific unit of measurement requirement.  
24

25 **1-09.2(5) Measurement**

26 The second sentence in the first paragraph is revised to read:

27  
28 The frequency of verification checks will be such that at least one test weekly is performed  
29 for each scale used in weighing contract items of Work.  
30

31 **Section 3-04, Acceptance of Aggregate**  
32 **April 2, 2012**

33 **3-04.3(7)D4 An Entire Lot**

34 The last sentence is deleted.  
35

36 **3-04.5 Payment**

37 In the second paragraph, the reference "Section 3-04.3(6)C " is revised to read "Section 3-  
38 04.3(8)".  
39

40 In Table 1, the row containing the item "Gravel Borrow for Geosynthetic Retaining Wall" is  
41 revised to read:  
42

9-03.14(4)	Gravel Borrow for Geosynthetic Retaining Wall	4000	2000	\$30	\$60
------------	---	------	------	------	------

1 **Section 5-02, Bituminous Surface Treatment**  
2 **August 6, 2012**

3 **5-02.2 Materials**

4 The following new paragraph is inserted after the second paragraph:

5  
6 Each source of aggregate for bituminous surface treatment shall be evaluated separately  
7 for acceptance in accordance with Section 3-04.  
8

9 **Section 5-04, Hot Mix Asphalt**  
10 **January 7, 2013**

11 **5-04.2 Materials**

12 The fourth paragraph is revised to read:

13  
14 The grade of asphalt binder shall be as required by the Contract. Blending of asphalt binder  
15 from different sources is not permitted.  
16

17 **5-04.3(7)A1 General**

18 This section is supplemented with the following:

19  
20 The Contractor shall include the brand and type of anti-stripping additive in the mix design  
21 submittal and provide certification from the asphalt binder manufacture that the anti-  
22 stripping additive is compatible with the crude source and formulation of asphalt binder  
23 proposed in mix design.  
24

25 **5-04.3(7)A3 Commercial Evaluation**

26 The second sentence in the second paragraph is deleted.  
27

28 **5-04.3(10)B3 Longitudinal Joint Density**

29 The section including title is revised to read:

30  
31 **5-04.3(10)B3 Vacant**  
32

33 **5-04.3(11)D General**

34 The last sentence in the first paragraph is deleted.  
35

36 **5-04.3(20) Anti-Stripping Additive**

37 This section is revised to read:  
38

39 Anti-stripping additive shall be added to the liquid asphalt by the asphalt supplier prior to  
40 shipment to the asphalt mixing plant. For HMA accepted by statistical and nonstatistical  
41 evaluation the anti-stripping additive shall be added in the amount designated in the  
42 WSDOT mix design/anti-strip evaluation report provided by the Contracting Agency. For  
43 HMA accepted by commercial evaluation the Project Engineer will determine the amount of  
44 anti-strip to be added; paving shall not begin before the anti-strip requirements have been  
45 provided to the Contractor.  
46

47 **5-04.4 Measurement**

48 The last paragraph is deleted.  
49

1 **5-04.5 Payment**

2 The bid item "Longitudinal Joint Density Price Adjustment", by calculation and paragraph  
3 following bid item are deleted.  
4

5 **Section 6-07, Painting**  
6 **April 2, 2012**

7 **6-07.3(9)A Paint System**

8 The first sentence in the second paragraph is revised to read:  
9

10 All paint coating components of the selected paint system shall be produced by the same  
11 manufacturer.  
12

13 **6-07.3(10)H Paint System**

14 The first and second sentences in the second paragraph are revised to read:  
15

16 All paint coating components of the selected paint system shall be produced by the same  
17 manufacturer.  
18

19 **Section 7-02, Culverts**  
20 **August 6, 2012**

21 **7-02.2 Materials**

22 Note 3 in the table titled, "Culvert Pipe Schedules" is revised to read:  
23

24 <sup>3</sup>Polypropylene pipe, 12 inch to 30 inch diameters approved for Schedule A and Schedule  
25 B, 36 inch to 60 inch diameters approved for Schedule A only.  
26

27 **7-02.5**

28 The bid item "Steel Rib Reinforced Polyethylene Culvert Pipe \_\_\_\_\_ In. Diam.", per linear foot is  
29 revised to read:  
30

31 "St. Rib Reinf Polyethylene Culv. Pipe \_\_\_\_\_ In. Diam.", per linear foot  
32

33 **Section 7-08, General Pipe Installation Requirements**  
34 **August 6, 2012**

35 **7-08.3(2)D Pipe Laying – Steel or Aluminum**

36 The following new sentence is inserted after the first sentence in the second paragraph:  
37

38 The paint shall cover all the surface in contact with the concrete and extend one inch  
39 beyond the point of contact.  
40

41 **Section 8-01, Erosion Control and Water Pollution Control**  
42 **January 7, 2013**

43 **8-01.2 Materials**

44 The first paragraph is revised to read:  
45

1 Materials shall meet the requirements of the following sections:  
2

3	Corrugated Polyethylene Drain Pipe	9-05.1(6)
4	Quarry Spalls	9-13
5	Seed	9-14.2
6	Fertilizer	9-14.3
7	Mulch and Amendments	9-14.4
8	Tackifiers	9-14.4(7)
9	Erosion Control Devices	9-14.5
10	High Visibility Fence	9-14.5
11	Construction Geotextile	9-33

12  
13 **8-01.3(2)D Mulching**

14 The following two new paragraphs are inserted after the fourth paragraph:  
15

16 Short-Term Mulch shall be hydraulically applied at the rate of 2500 pounds per acre and  
17 may be applied in one lift.  
18

19 Moderate-Term Mulch and Long-Term Mulch shall be hydraulically applied at the rate of  
20 3500 pounds per acre with no more than 2000 pounds applied in any single lift.  
21

22 **8-01.3(2)E Soil Binders and Tacking Agents**

23 This section including title is revised to read:  
24

25 **8-01.3(2)E Tackifiers**

26 Tackifiers applied using a hydroseeder shall have a mulch tracer added to visibly aid  
27 uniform application. This tracer shall not be harmful to plant, aquatic, or animal life. A  
28 minimum of 125 pounds per acre and a maximum of 250 pounds per acre of Short-Term  
29 Mulch shall be used as a tracer. Tackifier shall be mixed and applied in accordance with  
30 the manufacturer's recommendations.  
31

32 **Soil Binding Using Polyacrylamide (PAM)** – The PAM shall be applied on bare soil  
33 completely dissolved and mixed in water or applied as a dry powder. Dissolved PAM shall  
34 be applied at a rate of not more than  $\frac{2}{3}$  pound per 1,000 gallons of water per acre. A  
35 minimum of 200 pounds per acre of Short-Term Mulch shall be applied with the dissolved  
36 PAM. Dry powder applications may be at a rate of 5 pounds per acre using a hand-held  
37 fertilizer spreader or a tractor-mounted spreader.  
38

39 PAM shall be applied only to areas that drain to completed sedimentation control BMPs in  
40 accordance with the TESC Plan. PAM may be reapplied on actively worked areas after a  
41 48-hour period.  
42

43 PAM shall not be applied during rainfall or to saturated soils  
44

45 **8-01.3(2)F Dates for Application of Final Seed, Fertilizer, and Mulch**

46 In the first paragraph, "Engineer" is revised to read "Project Engineer".  
47

48 Note 1 of the table in the first paragraph is revised to read:  
49

50 <sup>1</sup> Where Contract timing is appropriate, seeding, fertilizing, and mulching shall be  
51 accomplished during the fall period listed above  
52

1 The third paragraph is deleted.

2

3 **8-01.3(3) Placing Erosion Control Blanket**

4 This section including title is revised to read:

5

6 **8-01.3(3) Placing Biodegradable Erosion Control Blanket**

7 Biodegradable Erosion Control Blankets are used as an erosion prevention device and to  
8 enhance the establishment of vegetation. Erosion control blankets shall be installed  
9 according to the manufacturer's recommendations.

10

11 Seeding and fertilizing shall be done prior to blanket installation.

12

13 Select erosion control blanket material for an area based on the intended function: slope or  
14 ditch stabilization, and site specific factors including soil, slope gradient, rainfall, and flow  
15 exposure. Erosion Control Blankets shall not be used on slopes or in ditches that exceed  
16 the manufacturer's recommendations.

17

18 **8-01.3(4) Placing Compost Blanket**

19 The first paragraph is revised to read:

20

21 Compost blanket shall be placed to a depth of 3 inches over bare soil. Compost blanket  
22 shall be placed prior to seeding or other planting. An organic tackifier shall be placed over  
23 the entire composted area when dry or windy conditions are present or expected before the  
24 final application of mulch or erosion control blanket. The tackifier shall be applied  
25 immediately after the application of compost to prevent compost from leaving the  
26 composted area.

27

28 **8-01.3(5) Placing Plastic Covering**

29 The second and third paragraphs are revised to read:

30

31 Clear plastic covering shall be used to promote seed germination when seeding is  
32 performed outside of the Dates for Application of Final Seed in Section 8-01.3(2)F. Black  
33 plastic covering shall be used for stockpiles or other areas where vegetative growth is  
34 unwanted.

35

36 The plastic cover shall be installed and maintained in a way that prevents water from  
37 cutting under the plastic and prevents the plastic cover from blowing open in the wind.

38

39 **8-01.3(6) Check Dams**

40 This section is revised to read:

41

42 Check dams shall be installed as soon as construction will allow, or when designated by the  
43 Engineer. The Contractor may substitute a different check dam, in lieu of what is specified  
44 in the contract, with approval of the Engineer. The check dam is a temporary or permanent  
45 structure, built across a minor channel. Water shall not flow through the check dam  
46 structure. Check dams shall be constructed in a manner that creates a ponding area  
47 upstream of the dam to allow pollutants to settle, with water from increased flows  
48 channeled over a spillway in the check dam. The check dam shall be constructed to

1 prevent erosion in the area below the spillway. Check dams shall be placed perpendicular  
2 to the flow of water and installed in accordance with the Standard Plans. The outer edges  
3 shall extend up the sides of the conveyance to prevent water from going around the check  
4 dam. Check dams shall be of sufficient height to maximize detention, without causing  
5 water to leave the ditch. Check dams shall meet the requirements in Section 9-14.5(4).  
6

7 **8-01.3(6)A Geotextile-Encased Check Dam**

8 This sections content including title is deleted.  
9

10 **8-01.3(6)B Quarry Spall Check Dam**

11 This sections content including title is deleted.  
12

13 **8-01.3(6)C Sandbag Check Dam**

14 This sections content including title is deleted.  
15

16 **8-01.3(6)D Wattle Check Dam**

17 This sections content including title is deleted.  
18

19 **8-01.3(6)E Coir Log**

20 This sections title is revised to read:  
21

22 **8-01.3(6)A Coir Log**  
23

24 **8-01.3(7) Stabilized Construction Entrance**

25 The first paragraph is revised to read:  
26

27 Temporary stabilized construction entrance shall be constructed in accordance with the  
28 Standard Plans, prior to beginning any clearing, grubbing, embankment or excavation. All  
29 quarry spall material used for stabilized construction entrance shall be free of extraneous  
30 materials that may cause or contribute to track out.  
31

32 **8-01.3(9)B Gravel Filter, Wood Chip, or Compost Berm**

33 The first paragraph is revised to read:  
34

35 Filter berms shall retain sediment and direct flows. The gravel filter berm shall be a  
36 minimum of 1 foot in height and shall be maintained at this height for the entire time they  
37 are in use. Rock material used for filter berms shall meet the grading requirements in  
38 Section 9-03.9(2), but shall not include any recycled materials as outlined in Section 9-  
39 03.21.  
40

41 **8-01.3(9)C Straw Bale Barrier**

42 This section including title is revised to read:  
43

44 **8-01.3(9)C Vacant**  
45

46 **8-01.3(11) Vacant**

47 This section including title is revised to read:  
48

49 **8-01.3(11) Outlet Protection**

50 Outlet protection shall prevent scour at the outlets of ponds, pipes, ditches or other  
51 conveyances. All quarry spall material used for outlet protection shall be free of extraneous  
52 material and meet the gradation requirements in Section 9-13.6.  
53

1 **8-01.3(13) Temporary Curb**

2 This section is revised to read:

3  
4 Temporary curbs shall divert or redirect water around erodible soils.

5  
6 Temporary curbs shall be installed along pavement edges to prevent runoff from flowing  
7 onto erodible slopes. Water shall be directed to areas where erosion can be controlled.  
8 The temporary curbs shall be a minimum of 4 inches in height. Ponding shall not be in  
9 roadways.

10  
11 **8-01.4 Measurement**

12 The third paragraph is revised to read:

13  
14 Check dams will be measured per linear foot one time only along the completed check  
15 dam. No additional measurement will be made for check dams that are required to be  
16 rehabilitated or replaced due to wear.

17  
18 The ninth paragraph is deleted.

19  
20 The twelfth paragraph (after the preceding amendment is applied) is revised to read:

21  
22 Seeding, fertilizing, liming, mulching, mowing, and tackifier will be measured by the acre by  
23 ground slope measurement or through the use of design data.

24  
25 This section is supplemented with the following:

26  
27 Outlet Protection will be measured per each initial installation at an outlet location.

28  
29 **8-01.5 Payment**

30 The bid item "Straw Bale", per each is deleted.

31  
32 The bid item "\_\_\_ Erosion Control Blanket", per square yard is deleted.

33  
34 The bid item "Soil Binder or Tacking Agent", per acre is deleted.

35  
36 This section is supplemented with the following:

37  
38 "Outlet Protection", per each.

39 The unit Contract price per each for "Outlet Protection" shall be full payment for all costs  
40 incurred to complete the Work.

41  
42 "Tackifier", per acre.

43 The unit Contract price per acre for "Tackifier" shall be full payment for all costs incurred to  
44 complete the Work.

45  
46 "Biodegradable Erosion Control Blanket", per square yard.

47 The unit Contract price per square yard for "Biodegradable Erosion Control Blanket" shall  
48 be full pay for all costs to complete the specified Work.

49  
50 **Section 8-02, Roadside Restoration**  
51 **August 6, 2012**

52 In this section, "psiPE" is revised to read "PSIPE".

1  
2 **8-02.3(4)C Topsoil Type C**

3 In this section, "9-14.1(2)" is revised to read "9-14.1(3)".  
4

5 **8-02.3(8) Planting**

6 Item number 1 in the second paragraph is revised to read:  
7

8 1. **Non-Irrigated Plant Material**

9 West of the summit of the Cascade Range - October 1 to March 1.

10 East of the summit of the Cascade Range - October 1 to November 15.  
11

12 **8-02.5 Payment**

13 The paragraph following bid item "Coarse Compost", per cubic yard" is revised to read:  
14

15 The unit Contract price per cubic yard for "Fine Compost", Medium Compost" or "Coarse  
16 Compost" shall be full pay for furnishing and spreading the compost onto the existing soil.  
17

18 **Section 8-11, Guardrail**

19 **August 6, 2012**

20 **8-11.3(1)D Removing Guardrail and Guardrail Anchor**

21 The first two sentences in the first paragraph are revised to read:  
22

23 Removal of the various types of guardrail shall include removal of the rail, cable elements,  
24 hardware, and posts, including transition sections, expansion sections, terminal sections  
25 and the rail element of anchor assemblies. Removal of the various types of guardrail  
26 anchors shall include removal of the anchor assembly, including concrete bases, rebar,  
27 steel tubes, and any other appurtenances in the anchor assembly.  
28

29 **8-11.4 Measurement**

30 The seventh paragraph is revised to read:  
31

32 Measurement of removal of guardrail will be by the linear foot measured along the line of  
33 guardrail removed including transition sections, expansion sections, guardrail anchor rail  
34 elements and terminal sections.  
35

36 **8-11.5 Payment**

37 The paragraph following the bid item "Removing Guardrail Anchor", per each is revised to read:  
38

39 The unit Contract price per each for "Removing Guardrail Anchor" shall be full payment for  
40 all costs to perform the Work as described in Section 8-11.3(1)D, including rail removal, if  
41 there isn't a Bid Item for Removing Guardrail in the run of guardrail connecting to the  
42 anchor.  
43

44 **Section 8-12, Chain Link Fence and Wire Fence**

45 **April 2, 2012**

46 In this Section "Engineer" is revised to read "Project Engineer".  
47

48 **8-12.1 Materials**

49 This section is supplemented with the following:

1  
2 Paint 9-08.1(2)B  
3

4 **8-12.3(1)A Posts**

5 The words "for Type 3 and Type 4 fences" and "on Type 3 and Type 4 fences" are deleted from  
6 this section.

7  
8 The first sentence of the fifth paragraph is revised to read:

9  
10 After the post is set and plumbed, the hole shall be filled with Grout Type 4.

11  
12 The third sentence in the sixth paragraph is replaced with the following two sentences:

13  
14 After the post is set and plumbed, the hole in the portion of the post in solid rock shall be  
15 filled with Grout Type 4. The grout shall be thoroughly worked into the hole so as to leave  
16 no voids.

17  
18 The seventh paragraph is deleted.

19  
20 The ninth paragraph is revised to read:

21  
22 Steep slopes or abrupt topography may require changes in various elements of the fence. It  
23 shall be the responsibility of the Contractor to provide all posts of sufficient length to  
24 accommodate the chain link fabric.

25  
26 The tenth paragraph is revised to read:

27  
28 All round posts shall have approved top caps fastened securely to the posts. The base of  
29 the top cap fitting for round posts shall feature an apron around the outside of the posts.

30  
31 **8-12.3(1)B Top Rail**

32 This section's content including title is deleted and replaced with:

33  
34 **8-12.3(1)B Vacant**

35  
36 **8-12.3(1)C Tension Wire and Tension Cable**

37 This section's content including title is revised to read:

38  
39 **8-12.3(1)C Tension Wire**

40 Tension Wires shall be attached to the posts as detailed in the Plans or as approved by the  
41 Engineer.

42  
43  
44 **8-12.3(1)D Chain Link Fabric**

45 The first three paragraphs are revised to read:

46  
47 Chain link fabric shall be attached after the cables and wires have been properly tensioned.

48  
49 Chain link fabric shall be placed on the face of the post away from the Highway, except on  
50 horizontal curves where it shall be placed on the face on the outside of the curve unless  
51 otherwise directed by the Project Engineer.  
52

1 Chain link fabric shall be placed approximately 1-inch above the ground and on a straight  
2 grade between posts by excavating high points of ground. Filling of depressions will be  
3 permitted only upon approval of the Project Engineer.  
4

5 The fourth sentence in the fourth paragraph is revised to read:

6  
7 The top and bottom edge of the fabric shall be fastened with hog rings to the top and  
8 bottom tension wires as may be applicable, spaced at 24-inch intervals.  
9

### 10 **8-12.3(1)E Chain Link Gates**

11 The third paragraph is deleted.  
12

### 13 **8-12.3(2)A Posts**

14 In the second paragraph, "commercial" is deleted.  
15

16 The first sentence of the fifth paragraph is revised to read:

17  
18 After the post is set and plumbed, the hole shall be filled with Grout Type 4.  
19

20 The fourth sentence in the sixth paragraph is replaced with the following two sentences:

21  
22 After the post is set and plumbed, the hole in the portion of the post in solid rock shall be  
23 filled with Grout Type 4. The grout shall be thoroughly worked into the hole so as to leave  
24 no voids.  
25

26 The tenth paragraph is revised to read:

27  
28 Where the new fence joins an existing fence, the 2 shall be attached in a manner  
29 satisfactory to the Project Engineer, and end or corner posts shall be set as necessary.  
30

31 The eleventh paragraph is deleted.  
32

### 33 **8-12.5 Payment**

34 The paragraph following the item "Chain Link Fence Type \_\_\_\_", per linear foot is revised to  
35 read:  
36

37 The unit Contract price per linear foot for "Chain Link Fence Type \_\_\_\_" shall be full payment  
38 for all costs for the specified Work including brace post installation and all other  
39 requirements of Section 8-12 for Chain Link Fence, unless covered in a separate Bid Item  
40 in this Section.  
41

42 The following paragraph is inserted after the item "End, Gate, Corner, and Pull Post for Chain  
43 Link Fence", per each:

44  
45 The unit Contract price per each for "End, Gate, Corner, and Pull Post for Chain Link  
46 Fence" shall be full payment for all costs for the specified Work.  
47

48 The following paragraph is inserted after the item "Single 6 Ft. Chain Link Gate", per each:

49  
50 The unit Contract price per each for "Double 14 Ft. Chain Link Gate", "Double 20 Ft. Chain  
51 Link Gate", and "Single 6 Ft. Chain Link Gate", shall be full payment for all costs for the  
52 specified Work.  
53

54 The paragraph following the item "Wire Fence Type \_\_\_\_", per linear foot is revised to read

1  
2 The unit Contract price per each for "Wire Fence Type \_\_\_\_" shall be full payment for all  
3 costs for the specified Work including payment for clearing of the fence line.  
4

5 The following paragraph is inserted after the item "Double Wire Gate 20 Ft. Wide", per each:  
6

7 The unit contract price per each for "Single Wire Gate 14 Ft. Wide" and "Double Wire Gate  
8 20 Ft. Wide" shall be full payment for all costs for the specified Work.  
9

10 The paragraph following the item "Access Control Gate", per each is revised to read:  
11

12 The unit contract price per each for "Access Control Gate" shall be full payment for all costs  
13 to perform the specified Work.  
14

15 **Section 8-15, Riprap**  
16 **April 2, 2012**

17 **8-15.1 Description**

18 The second paragraph is revised to read:  
19

20 Riprap will be classified as heavy loose riprap, light loose riprap, and hand placed riprap.  
21

22 **Section 8-21, Permanent Signing**  
23 **January 7, 2013**

24 **8-21.2 Materials**

25 The third sentence is revised to read:  
26

27 Materials for sign mounting shall conform to Section 9-28.11.  
28

29 **8-21.3(9)A Fabrication of Steel Structures**

30 The first sentence in the first paragraph is revised to read:  
31

32 Fabrication shall conform to the applicable requirements of Section 6-03 and 9-06.  
33

34 This section is supplemented with the following:  
35

36 All fabrication, including repairs, adjustments or modifications of previously fabricated sign  
37 structure members and connection elements, shall be performed in the shop, under an  
38 Engineer approved shop drawing prepared and submitted by the Contractor for the original  
39 fabrication or the specific repair, adjustment or modification. Sign structure fabrication  
40 repair, adjustment or modification of any kind in the field is not permitted. If fabrication  
41 repair, adjustment or modification occurs after a sign structure member or connection  
42 element has been galvanized, the entire member or element shall be re-galvanized in  
43 accordance with AASHTO M 111.  
44

45 **8-21.3(9)B Vacant**

46 This section including title is revised to read:  
47

1 **8-21.3(9)B Erection of Steel Structures**

2 Erection shall conform to the applicable requirements of Sections 6-03 and 8-21.3(9)F.  
3 Section 8-21.3(9)F notwithstanding, the Contractor may erect a sign bridge prior to  
4 completion of the shaft cap portion of one foundation for one post provided the following  
5 conditions are satisfied:  
6

- 7
- 8 1. The Contractor shall submit design calculations and working drawings of the  
9 temporary supports and falsework supporting the sign bridge near the location of  
10 the incomplete foundation to the Engineer for approval in accordance with Section  
11 6-01.9. The submittal shall include the method of releasing and removing the  
12 temporary supports and falsework without inducing loads and stress into the sign  
13 bridge.
  - 14 2. The Contractor shall submit the method used to secure the anchor bolt array in  
15 proper position with the sign bridge while casting the shaft cap concrete to  
16 complete the foundation.
  - 17 3. The Contractor shall erect the sign bridge and temporary supports and falsework,  
18 complete the remaining portion of the incomplete foundation, and remove the  
19 temporary supports and falsework, in accordance with the working drawing  
20 submittals as approved by the Engineer.  
21

22  
23 **8-21.3(9)F Foundations**

24 The following new paragraph is inserted after the second paragraph:  
25

26 Concrete placed into an excavation where water is present shall be placed using an  
27 approved tremie. If water is not present, the concrete shall be placed such that the free-fall  
28 is vertical down the center of the shaft without hitting the sides, the steel reinforcing bars, or  
29 the steel reinforcing bar cage bracing. The Section 6-02.3(6) restriction for 5-foot maximum  
30 free-fall shall not apply to placement of Class 4000P concrete into a shaft.  
31

32 The ninth paragraph (after implementing the preceding Amendment) is replaced with the  
33 following three new paragraphs:  
34

35 After construction of concrete foundations for sign bridge and cantilever sign structures, the  
36 Contractor shall survey the foundation locations and elevations, the anchor bolt array  
37 locations and lengths of exposed threads. The Contractor shall confirm that the survey  
38 conforms to the sign structure post, beam, span and foundation design geometry shown in  
39 the Plans, and shall identify any deviations from the design geometry shown in the Plans.  
40 When deviations are identified, the Contractor shall notify the Engineer, and such notice  
41 shall be accompanied by the Contractor's proposed method(s) of addressing the  
42 deviations, including removal and reconstruction of the shaft cap portion of the affected  
43 concrete foundation as outlined in this Section, or fabrication repair, adjustment or  
44 modification, with associated shop drawings, in accordance with Section 8-21.3(9)A.  
45

46 If the Contractor's survey indicates that a concrete foundation has been constructed  
47 incorrectly for a sign structure that has already been fabricated, the Contractor may remove  
48 and reconstruct the shaft cap portion of the foundation, in accordance with Section 1-07.13,  
49 provided the following conditions are satisfied:  
50

- 51 1. The Contractor shall submit the method and equipment to be used to remove the  
52 portion of the concrete foundation to be removed and reconstructed to the  
53 Engineer for approval in accordance with Section 1-05.3. The submittal shall  
54 include confirmation that the equipment and the method of operation is

1 appropriate to ensure that the existing anchor bolt array and primary shaft vertical  
2 steel reinforcing bars will not be damaged.

- 3
- 4 2. All steel reinforcing bars, except for steel reinforcing bars extending from the  
5 bottom portion of the foundation to remain, shall be removed and disposed of in  
6 accordance with Sections 2-02.3 and 2-03.3(7)C, and shall be replaced with new  
7 steel reinforcing bars conforming to the size, dimensions and geometry shown in  
8 the Plans. All concrete of the removed portion of the foundation shall be removed  
9 and disposed of in accordance with Sections 2-02.3 and 2-03.3(7)C.
- 10
- 11 3. The Contractor shall adjust the primary shaft vertical steel reinforcing bars as  
12 necessary in accordance with Section 6-02.3(24)C to provide clearance for the  
13 anchor bolt array.

14

15 Sign structures shall not be erected on concrete foundations until the Contractor confirms  
16 that the foundations and the fabricated sign structures are either compatible with each  
17 other and the design geometry shown in the Plans, or have been modified in accordance  
18 with this Section and as approved by the Engineer to be compatible with each other, and  
19 the foundations have attained a compressive strength of 2,400 psi.

20

21 Item number 4 in the twelfth paragraph (after implemented the preceding Amendments) is  
22 revised to read:

- 23
- 24 4. Concrete shall be Class 4000P, except as otherwise specified. The concrete for the  
25 shaft cap (the portion containing the anchor bolt array assemblies above the  
26 construction joint at the top of the shaft) shall be Class 4000.

27

28 Item number 3 in the thirteenth paragraph (after implemented the preceding Amendments) is  
29 revised to read:

- 30
- 31 3. Unless otherwise shown in the Plans, concrete shall be Class 4000P.

32

### 33 8-21.5 Payment

34 This section is supplemented with the following:

35

36 All costs in connection with surveying completed concrete foundations for sign bridges and  
37 cantilever sign structures shall be included in the lump sum contract price for "Structure  
38 Surveying", except that when no Bid item is included in the Proposal for "Structure  
39 Surveying" then such costs shall be included in the lump sum contract price(s) for "Sign  
40 Bridge No. \_\_\_\_" and "Cantilever Sign Structure No. \_\_\_\_".

41

42

### 43 Section 8-22, Pavement Marking

44 January 7, 2013

45

#### 46 8-22.3(3)D Line Applications

47 The last paragraph is supplemented with the following:

48 Grooved line pavement marking shall not be constructed on bridge decks or on bridge  
49 approach slabs.

50

#### 51 8-22.3(6) Removal of Pavement Markings

52 The following two new sentences are inserted after the first sentence:

1  
2 Grinding to remove painted markings is not allowed. Grinding to remove plastic marking is  
3 allowed to a depth just above the pavement surface, then water blasting or shot blasting  
4 shall be required to remove the remaining markings.  
5

#### 6 **8-22.4 Measurement**

7 The items "Painted Wide Line" and "Plastic Wide Line" are deleted from the fourth paragraph.  
8

9 The sixth paragraph is revised to read:  
10

11 Diagonal lines used to delineate parking stalls that are constructed of painted or plastic 4-  
12 inch lines will be measured as "Paint Line" or "Plastic Line" by the linear foot of line  
13 installed. Crosswalk line will be measured by the square foot of marking installed.  
14

15 The following two new paragraphs are inserted after the sixth paragraph:  
16

17 Crosshatch markings used to delineate median and gore areas will be measured by the  
18 completed linear foot as "Painted Crosshatch Marking" or "Plastic Crosshatch Marking".  
19

20 The measurement for "Painted Crosshatch Marking" and for "Plastic Crosshatch Marking"  
21 will be based on the total length of each 8-inch or 12-inch wide line installed.  
22

#### 23 **8-22.5 Payment**

24 The bid items "Painted Wide Line", per linear foot and "Plastic Wide Line", per linear foot are  
25 deleted from this section.  
26

27 This section is supplemented with the following two new bid items:  
28

29 "Painted Crosshatch Marking", per linear foot.

30 "Plastic Crosshatch Marking", per linear foot.  
31

32 The following new paragraph is inserted after the last bid item in this section:  
33

34 The unit Contract price for the aforementioned Bid items shall be full payment for all costs  
35 to perform the Work as described in Section 8-22.  
36

### 37 **Section 9-02, Bituminous Materials**

38 **January 7, 2013**

#### 39 **9-02.4 Anti-Stripping Additive**

40 This section is revised to read:  
41

42 Anti-stripping additive shall be a product listed in the current WSDOT Qualified Products  
43 List (QPL).  
44

### 45 **Section 9-03, Aggregates**

46 **January 7, 2012**

#### 47 **9-03.1(1) General Requirements**

48 The eighth paragraph is deleted.  
49

1 **9-03.13 Backfill for Sand Drains**

2 This section is supplemented with the following:

3  
4 That portion of backfill retained on a No. 4 sieve shall not contain more than 0.05 percent  
5 by weight of wood waste.  
6

7 **9-03.13(1) Sand Drainage Blanket**

8 The last paragraph is revised to read:

9  
10 That portion of backfill retained on a No. 4 sieve shall not contain more than 0.05 percent  
11 by weight of wood waste.  
12

13 **9-03.14(1) Gravel Borrow**

14 Note <sup>1</sup> is deleted, including the reference in the table.  
15

16 **9-03.14(2) Select Borrow**

17 Note <sup>1</sup> is deleted.  
18

19 Note <sup>2</sup> is re-numbered Note <sup>1</sup>, including the reference in the table.  
20

21 **9-03.14(4) Gravel Borrow for Geosynthetic Retaining Wall**

22 This section is revised to read:

23  
24 All backfill material for geosynthetic retaining walls shall consist of granular material, either  
25 naturally occurring or processed, and shall be free draining, free from organic or otherwise  
26 deleterious material. The material shall be substantially free of shale or other soft, poor  
27 durability particles, and shall not contain recycled materials, such as glass, shredded tires,  
28 portland cement concrete rubble, or asphaltic concrete rubble. The backfill material shall  
29 meet the following requirements for grading and quality:  
30

Sieve Size	Percent Passing
1 ¼ " <sup>1</sup>	99-100
1"	90-100
No. 4	50-80
No. 40	30 max.
No. 200	7.0 max.
Sand Equivalent	50 min.

31 All percentages are by weight

Property	Test Method	Allowable Test Value
Los Angeles Wear 500 rev.	AASHTO T 96	35 percent max.
Degradation Factor	WSDOT Test Method 113	15 min.
pH, permanent walls	AASHTO T 289	4.5-9
pH, temporary walls	AASHTO T 289	3-10

32  
33  
34 Wall backfill material satisfying these grading and property requirements shall be classified  
35 as nonaggressive.  
36  
37

38 **9-03.21(1) General Requirements**

39 The first sentence in the first paragraph is revised to read:  
40

1 Hot Mix Asphalt, Concrete Rubble, Recycled Glass (glass cullet), and Steel Furnace Slag  
2 may be used as, or blended uniformly with naturally occurring materials for aggregates.  
3

4 **9-03.21(1)C Vacant**

5 This section including title is revised to read:  
6

7 **9-03.21(1)C Recycled Glass (Glass Cullet)**

8 Glass Cullet shall meet the requirements of AASHTO M 318 with the additional requirement  
9 that the glass cullet is limited to the maximum amounts set in Section 9-03.21(1)E for  
10 recycled glass. Prior to use the Contractor shall provide certification to the Project  
11 Engineer that the recycled glass meets the physical properties and deleterious substances  
12 requirements in AASHTO M-318.  
13

14 **9-03.21(1) E Table on Maximum Allowable Percent (By Weight) of Recycled  
15 Material**

16 The column heading "Recycled Glass" is revised to read "Recycled Glass (Glass Cullet) in the  
17 table.  
18

19 In the column "Recycled Glass (Glass Cullet)" all amounts are revised to read "20" beginning  
20 with the item "Ballast" and continuing down until the last item in the table.  
21

22 **Section 9-05, Drainage Structures, Culverts, and Conduits**  
23 **January 7, 2013**

24 **9-05.0 Acceptance by Manufacturer's Certification**

25 This section including title is revised to read:  
26

27 **9-05.0 Acceptance and Approval of Drainage Structures, and Culverts**

28 The Drainage Structure or Culvert may be selected from the Qualified Products List, or  
29 submitted using a Request for Approval of Materials (RAM) in accordance with Section 1-  
30 06.  
31

32 Certain drainage materials may be accepted by the Engineer based on a modified  
33 acceptance criteria when materials are selected from the Qualified Products List (QPL).  
34 The modified acceptance criteria are defined in the QPL for each material.  
35

36 **9-05.1(6) Corrugated Polyethylene Drain Pipe, Couplings, and Fittings (Up to 10  
37 Inch)**

38 This section is supplemented with the following:  
39

40 Corrugated polyethylene drain pipe manufacturers shall participate in the National  
41 Transportation Product Evaluation Program (NTPEP) work plan for HDPE (High Density  
42 Polyethylene) Thermoplastic Pipe and be listed on the NTPEP audit website displaying they  
43 are NTPEP compliant.  
44

45 **9-05.1(7) Corrugated Polyethylene Drain Pipe, Couplings, and Fittings (12 Inch  
46 Through 60 Inch)**

47 This section is supplemented with the following:  
48

49 Corrugated polyethylene drain pipe manufacturers shall participate in the National  
50 Transportation Product Evaluation Program (NTPEP) work plan for HDPE (High Density

1 Polyethylene) Thermoplastic Pipe and be listed on the NTPEP audit website displaying they  
2 are NTPEP compliant.

3  
4 **9-05.2(7) Perforated Corrugated Polyethylene Underdrain Pipe (Up to 10 Inch)**

5 This section is supplemented with the following:

6  
7 Perforated corrugated polyethylene underdrain pipe manufacturers shall participate in the  
8 National Transportation Product Evaluation Program (NTPEP) work plan for HDPE (High  
9 Density Polyethylene) Thermoplastic Pipe and be listed on the NTPEP audit website  
10 displaying they are NTPEP compliant.

11  
12 **9-05.2(8) Perforated Corrugated Polyethylene Underdrain Pipe (12-Inch Through  
13 60 Inch Diameter Maximum), Couplings, and Fittings**

14 This section is supplemented with the following:

15  
16 Perforated corrugated polyethylene underdrain pipe manufacturers shall participate in the  
17 National Transportation Product Evaluation Program (NTPEP) work plan for HDPE (High  
18 Density Polyethylene) Thermoplastic Pipe and be listed on the NTPEP audit website  
19 displaying they are NTPEP compliant.

20  
21 **9-05.19 Corrugated Polyethylene Culvert Pipe, Couplings, and Fittings**

22 The word "producer" is revised to read "manufacturer".

23  
24 The second paragraph is revised to read:

25  
26 Joints for corrugated polyethylene culvert pipe shall be made with either a bell/bell or bell  
27 and spigot coupling and shall incorporate the use of a gasket conforming to the  
28 requirements of ASTM D 1056 Type 2 Class B Grade 3 or ASTM F 477. All gaskets shall be  
29 factory installed on the coupling or on the pipe by the qualified manufacturer.

30  
31 This section is supplemented with the following:

32  
33 Corrugated polyethylene culvert pipe manufacturers shall participate in the National  
34 Transportation Product Evaluation Program (NTPEP) work plan for HDPE (High Density  
35 Polyethylene) Thermoplastic Pipe and be listed on the NTPEP audit website displaying they  
36 are NTPEP compliant.

37  
38 **9-05.20 Corrugated Polyethylene Storm Sewer Pipe, Couplings, and Fittings**

39 The word "producer" is revised to read "manufacturer".

40  
41 The first paragraph is revised to read:

42  
43 Corrugated polyethylene storm sewer pipe, couplings, and fittings shall meet the  
44 requirements of AASHTO M 294 Type S or D. The maximum pipe diameter for corrugated  
45 polyethylene storm sewer pipe shall be the diameter for which a manufacturer has  
46 submitted. Fittings shall be blow molded, rotational molded, or factory welded.

47  
48 This section is supplemented with the following:

49  
50 Corrugated polyethylene culvert pipe manufacturers shall participate in the National  
51 Transportation Product Evaluation Program (NTPEP) work plan for HDPE (High Density  
52 Polyethylene) Thermoplastic Pipe and be listed on the NTPEP audit website displaying they  
53 are NTPEP compliant.

1  
2 **9-05.24 Polypropylene Culvert Pipe, Polypropylene Storm Sewer Pipe, and**  
3 **Polypropylene Sanitary Sewer Pipe**

4 This sections content is deleted and replaced with the following:  
5

6 All joints for polypropylene pipe shall be made with a bell/bell or bell and spigot coupling  
7 and shall conform to ASTM D 3212 using elastomeric gaskets conforming to ASTM F 477.  
8 All gaskets shall be factory installed on the pipe in accordance with the producer's  
9 recommendations.

10  
11 Qualification for each producer of polypropylene storm sewer pipe requires joint system  
12 conformance to ASTM D 3212 using elastomeric gaskets conforming to ASTM F 477 and a  
13 formal quality control plan for each plant proposed for consideration.  
14

15 A Manufacturer's Certificate of Compliance shall be required and shall accompany the  
16 materials delivered to the project. The certificate shall clearly identify production lots for all  
17 materials represented. The Contracting Agency may conduct verification tests of pipe  
18 stiffness or other properties it deems appropriate.  
19

20 This section is supplemented with the following new sub-sections:  
21

22 **9-05.24(1) Polypropylene Culvert Pipe and Storm Sewer Pipe**

23 Polypropylene culvert and storm sewer pipe shall conform to the following requirements:  
24

- 25 1. For dual wall pipe sizes up to 30 inches: ASTM F2736. .
- 26 2. For triple wall pipe sizes from 30 to 60 inches: ASTM F2764.
- 27 3. For dual wall profile pipe sizes 36 to 60 inches: AASHTO MP 21, Type S or Type  
28 D.
- 29 4. Fittings shall be factory welded, injection molded or PVC.  
30  
31

32  
33  
34 **9-05.24(2) Polypropylene Sanitary Sewer Pipe**

35 Polypropylene sanitary sewer pipe shall conform to the following requirements:  
36

- 37 1. For pipe sizes up to 30 inches: ASTM F2736.
- 38 2. For pipe sizes from 30 to 60 inches: ASTM F2764.
- 39 3. Fittings shall be factory welded, injection molded or PVC.  
40  
41  
42

43 **Section 9-14, Erosion Control and Roadside Planting**  
44 **January 7, 2013**

45 **9-14.3 Fertilizer**

46 The second sentence in the first paragraph is revised to read:  
47

48 It may be separate or in a mixture containing the percentage of total nitrogen, available  
49 phosphoric acid, and water-soluble potash or sulfur in the amounts specified.  
50

1 **9-14.4(2) Hydraulically Applied Erosion Control Products (HECPs )**

2 The first sentence in the third paragraph is revised to read:

3  
4 All HECPs shall be furnished premixed by the manufacturer with Organic or Synthetic  
5 Tackifier as specified in Section 9-14.4(7).

6  
7 The third and fourth rows in Table 1 is revised to read:

Heavy Metals	EPA 6020A Total Metals	Antimony – < 4 mg/kg Arsenic – < 6 mg/kg Barium – < 80 mg/kg Boron – < 160 mg/kg Cadmium – < 2 mg/kg Total Chromium – < 4 mg/kg Copper – < 10 mg/kg Lead – < 5 mg/kg Mercury – < 2 mg/kg Nickel – < 2 mg/kg Selenium – < 10 mg/kg Strontium – < 30 mg/kg Zinc – < 30 mg/kg
Water Holding Capacity	ASTM D 7367	800 percent minimum

9  
10 **9-14.4(2)A Long Term Mulch**

11 In the first paragraph, the phrase “within 2 hours of application” is deleted.

12  
13 **9-14.4(4) Wood Strand Mulch**

14 The last sentence in the second paragraph is deleted.

15  
16 This section is supplemented with the following new paragraph:

17  
18 The Contractor shall provide Material Safety Data Sheet (MSDS) that demonstrates that  
19 the product is not harmful to plant life and a test report performed in accordance with  
20 WSDOT Test Method 125 demonstrating compliance to this specification prior to  
21 acceptance.

22  
23 **9-14.4(8) Compost**

24 The second paragraph is revised to read:

25  
26 Compost production and quality shall comply with WAC 173-350 and for biosolids  
27 composts, WAC 173-308.

28  
29 The third paragraph is to read:

30  
31 Compost products shall meet the following physical criteria:

- 32  
33 1. Compost material shall be tested in accordance with U.S. Composting Council  
34 Testing Methods for the Examination of Compost and Composting (TMECC)  
35 02.02-B, “Sample Sieving for Aggregate Size Classification”.

36  
37 Fine compost shall meet the following gradation:

Sieve Size	Percent Passing	
	Minimum	Maximum

1"	100	
5/8"	90	100
1/4"	75	100

Note Maximum particle length of 4 inches.

Medium compost shall meet the following gradation:

Sieve Size	Percent Passing	
	Minimum	Maximum
1"	100	
5/8"	85	100
1/4"	70	85

Note Maximum particle length of 4 inches. Medium compost shall have a carbon to nitrogen ratio (C:N) between 18:1 and 35:1. The carbon to nitrogen ratio shall be calculated using dry weight of "Organic Carbon" using TMECC 04.01A divided by the dry weight of "Total N" using TMECC 04.02D.

Coarse compost shall meet the following gradation:

Sieve Size	Percent Passing	
	Minimum	Maximum
2"	100	
1"	90	100
3/4"	70	100
1/4"	40	60

Note Maximum particle length of 6 inches. Coarse compost shall have a carbon to nitrogen ratio (C:N) between 25:1 and 35:1. The carbon to nitrogen ratio shall be calculated using the dry weight of "Organic Carbon" using TMECC 04.01A divided by the dry weight of "Total N" using TMECC 04.02D.

2. The pH shall be between 6.0 and 8.5 when tested in accordance with U.S. Composting Council TMECC 04.11-A, "1:5 Slurry pH".
3. Manufactured inert material (plastic, concrete, ceramics, metal, etc.) shall be less than 1 percent by weight as determined by U.S. Composting Council TMECC 03.08-A "Classification of Inerts by Sieve Size".
4. Minimum organic matter shall be 40 percent by dry weight basis as determined by U.S. Composting Council TMECC 05.07A "Loss-On-Ignition Organic Matter Method (LOI)".
5. Soluble salt contents shall be less than 4.0 mmhos/cm when tested in accordance with U.S. Composting Council TMECC 04.10 "Electrical Conductivity."
6. Maturity shall be greater than 80 percent in accordance with U.S. Composting Council TMECC 05.05-A, "Germination and Root Elongation".
7. Stability shall be 7-mg CO<sub>2</sub>-C/g OM/day or below in accordance with U.S. Composting Council TMECC 05.08-B "Carbon Dioxide Evolution Rate".
8. The compost product shall originate from organic waste as defined in WAC 173 350 as "Type 1 Feedstocks", "Type 2 Feedstocks", and/or "Type 3 Feedstocks".

1 The Contractor shall provide a list of feedstock sources by percentage in the final  
2 compost product.

- 3  
4 9. The Engineer may also evaluate compost for maturity using U.S. Composting  
5 Council TMECC 05.08-E "Solvita® Maturity Index". Fine compost shall score a  
6 number 6 or above on the Solvita® Compost Maturity Test. Medium and coarse  
7 compost shall score a 5 or above on the Solvita® Compost Maturity Test.  
8

9 **9-14.4(8)A Compost Approval**

10 This section's title is revised to read:

11  
12 **9-14.4(8)A Compost Submittal Requirements**

13  
14 The first sentence in this section up until the colon is revised to read:

15  
16 The Contractor shall submit the following information to the Engineer for approval:

17  
18 Item No. 2 in the first paragraph is revised to read:

- 19  
20 2. A copy of the Solid Waste Handling Permit issued to the manufacturer by the  
21 Jurisdictional Health Department in accordance with WAC 173-350 (Minimum  
22 Functional Standards for Solid Waste Handling) or for biosolid composts a copy of the  
23 Coverage Under the General Permit for Biosolids Management issued to the  
24 manufacturer by the Department of Ecology in accordance with WAC 173-308  
25 (Biosolids Management).  
26

27 **9-14.5(1) Polyacrylamide (PAM)**

28 The third sentence is replaced with the following two new sentences:

29  
30 The minimum average molecular weight shall be greater than 5-mg/mole. The charge  
31 density shall be no less than 15 percent and no greater than 30 percent.  
32

33 **9-14.5(2) Erosion Control Blanket**

34 This section including title is deleted in its entirety and replaced with the following:

35  
36 **9-14.5(2) Biodegradable Erosion Control Blanket**

37 Biodegradable erosion control blankets shall be made of natural plant fibers, and all netting  
38 material, if present, shall biodegrade within a life span not to exceed 2 years.  
39

40 The Contractor shall provide independent test results from the National Transportation  
41 Product Evaluation Program (NTPEP) meeting the requirements of Section 9-14.5(2)B, 9-  
42 14.5(2)C and 9-14.5(2)D.  
43

44 **9-14.5(2)A Approval and Acceptance of Biodegradable Erosion Control Blankets**

45 The erosion control blanket may be selected from the Qualified Products List, or  
46 submitted using a Request for Approval of Materials (RAM) in accordance with Section  
47 1-06. Erosion control blankets may be accepted by the Engineer based on the  
48 modified acceptance criteria when materials are selected from the QPL. The modified  
49 acceptance criteria are defined in the QPL for each material.  
50

51 **9-14.5(2)B Biodegradable Erosion Control Blanket for Slopes Steeper than 3:1**  
52 **(H:V)**  
53

1  
2

Table 6

Properties	ASTM Test Method	Requirements for Slopes Steeper than 3:1
Protecting Slopes from Rainfall-Induced Erosion	ASTM D 6459 Soil tested shall be sandy loam as defined by the NRCS** Soil Texture Triangle	C factor = 0.04 maximum for cumulative R-Factor < 231
Mass Per Unit Area	ASTM D 6475	7.6 oz./sq. yd. minimum
Light Penetration	ASTM D 6567	44 % maximum
Tensile Strength MD x XD*	ASTM D 6818	10.0 x 6.0 pounds/inch minimum
Tensile Elongation MD x XD*	ASTM D 6818	38% x 33% maximum
*MD is Machine Design and XD is Cross Direction **Natural Resource Conservation Services		

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9-14.5(2)C Biodegradable Erosion Control Blanket for Slopes Flatter than 3:1(H:V)

Table 7

Properties	ASTM Test Method	Slope Flatter than 3:1 Requirements
Protecting Slopes from Rainfall-Induced Erosion	ASTM D 6459 Soil tested shall be sandy loam as defined by the NRCS** Soil Texture Triangle	C factor = 0.15 maximum for cumulative R-Factor < 231
Mass Per Unit Area	ASTM D 6475	7.6 oz./sq. yd. minimum
Light Penetration	ASTM D 6567	40% maximum
Tensile Strength MD x XD*	ASTM D 6818	6.5 x 2.3 pounds/inch minimum
Tensile Elongation MD x XD*	ASTM D 6818	38% x 33% maximum

XD*		
*MD is Machine Design and XD is Cross Direction **Natural Resource Conservation Services		

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**9-14.5(2)D Biodegradable Erosion Control Blanket for Ditches**

**Table 8**

Properties	Test Method	Requirements
Performance in Protecting Earthen Channels from Stormwater-Induced Erosion	ASTM D 6460 Soil tested shall be sandy loam as defined by the NRCS** Soil Texture Triangle	Limiting Shear ( $T_{Limit}$ ) = 2.0 psf minimum.  Limiting Velocity ( $V_{Limit}$ ) = 7.5 ft/sec flow minimum.
Mass per Unit Area	ASTM D 6475	7.4 oz./ sq. yd. minimum
Light Penetration	ASTM D 6567	65% maximum
Tensile Strength MD x XD*	ASTM D 6818	9.6 x 3.2 lbs/inch minimum
Tensile Elongation MD x XD*	ASTM D 6818	38% x 33% maximum
*MD is Machine Design and XD is Cross Direction **Natural Resource Conservation Services		

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**9-14.5(4) Geotextile Encased Check Dam**

This section including title is revised to read:

**9-14.5(4) Check Dams**

All materials used for check dams shall be non-toxic and not pose a threat to wildlife when installed.

This section is supplemented with the following new sub-sections:

**9-14.5(4)A Biodegradable Check Dams**

Biodegradable check dams shall meet the following requirements:

Biodegradable Check Dams	Materials
Wattle Check Dam	9-14.5(5)
Compost Sock Check Dam	9-14.5(6)
Coir Log Check Dam	9-14.5(7)

1  
2 The Contractor may substitute a different biodegradable check dam as long as it complies  
3 with the following and is approved by the Engineer:  
4

- 5 1. Made of natural plant fiber.
- 6
- 7 2. Netting if present shall be biodegradable.
- 8

9 **9-14.5(4)B Non-biodegradable Check Dams**

10 Non-biodegradable check dams shall meet the following requirements:

- 11 1. Geotextile materials shall conform to section 9-33 for silt fence.
- 12
- 13 2. Other such devices that fulfill the requirements of section 9-14.5(4) and shall be  
14 approved by the Engineer prior to installation.  
15

16  
17 **9-14.6(1) Description**

18 In item No. C in the fourth paragraph, "22-inch" is revised to read "2-inch".  
19

20 **Section 9-16, Fence and Guardrail**  
21 **January 7, 2013**

22 **9-16.1(1)A Post Material for Chain Link Fence**

23 The first paragraph is revised to read:

24  
25 Except as noted otherwise, post material shall conform to the requirements of AASHTO M  
26 181, Type 1 (zinc-coated steel), Grade 1 or 2, and shall include all round and roll-formed  
27 material (line posts, brace posts, end posts, corner posts, and pull posts).  
28

29 The last sentence in the fourth paragraph is deleted.  
30

31 **9-16.1(1)C Tension Wire and Tension Cable**

32 This section including title is revised to read:  
33

34 **9-16.1(1)C Tension Wire**

35 Tension wire shall meet the requirements of AASHTO M 181. Tension wire galvanizing shall  
36 be Class 1.  
37

38 **9-16.1(1)D Fittings and Hardware**

39 The second sentence in the first paragraph is deleted.  
40

41 The last paragraph is deleted.  
42

43 **9-16.1(2) Approval**

44 This section is deleted.  
45

46 **9-16.2(2) Approval**

47 This section is deleted.  
48

49 **9-16.4(2) Wire Mesh**

50 This section is revised to read:  
51

1 The galvanized wire mesh shall be a Style 1 double-twisted hexagonal mesh conforming to  
2 ASTM A 975 with 8 by 10 opening, except when a colorized, polyvinyl chloride coating is  
3 required then the Style shall be a Style 3.

4  
5 The longitudinal edges of the wire mesh fabric shall have knuckled selvages with  
6 continuous selvedge wire as specified in ASTM A 975.

### 8 **9-16.4(3) Wire Rope**

9 This section is revised to read:

10  
11 Wire rope shall be ¾- inch-diameter, independent wire rope class (IWRC) 6x19, extra  
12 improved plow steel (EIP) wire rope galvanized in accordance with ASTM A1023. Each lot  
13 of wire rope shall be accompanied by a Manufacturer's Certificate of Compliance, a mill  
14 certificate, and a test report showing the wire rope meets the minimum breaking force  
15 requirements of ASTM A 1023.

### 17 **9-16.4(4) Hardware**

18 This section is revised to read:

19  
20 Weldless steel rings shall be drop-forged steel and heat treated after forging; have a single  
21 pull, working load limit of at least 10,000 lbs; and meet performance requirements of  
22 Federal Specification RR-C-271D Type VI.

23  
24 Thimbles required for all wire rope loops shall be standard weight, galvanized, and meet  
25 performance requirements of Federal Specification FF-T-276b Type II.

26  
27 Wire rope clips shall have drop-forged steel bases, be galvanized, and meet performance  
28 requirements of Federal Specification FF-C-450 Type I Class 1.

### 30 **9-16.4(5) Hog Rings and Tie Wire**

31 This section including title is revised to read:

#### 33 **9-16.4(5) Fasteners and Lacing Wire**

34 Fasteners shall consist of 11 gauge high tensile steel. Lacing wire shall consist of 9 gauge,  
35 zinc-coated steel wire conforming to ASTM A 641.

### 37 **9-16.4(6) Grout**

38 This section include title is deleted.

### 40 **9-16.4(7) Anchor**

41 This section including title and section number is revised to read:

#### 43 **9-16.4(6) Ground Anchors**

44 Threaded bar ground anchors shall be deformed, continuously threaded, steel  
45 reinforcement bars conforming to either Section 9-07.2 or Section 9-07.11. Threaded bar  
46 ground anchors shall be either epoxy-coated in accordance with Sections 6-02.3(24)H and  
47 9-07.3 or galvanized after fabrication in accordance with ASTM A 767 Class I.

48  
49 Hollow-core anchor bars shall have continuous threads/deformations and be fabricated  
50 from steel tubing conforming to ASTM A 519. Couplers and nuts shall provide 100% of the  
51 guaranteed minimum tensile strength of the hollow core anchor bars.

1 Bearing plates shall conform to ASTM A 572 Grade 50 and shall be galvanized after  
2 fabrication in accordance with AASHTO M 111. Nuts shall conform to either AASHTO M 291  
3 Grade B, hexagonal, or Section 9-07.11. Nuts shall be galvanized after fabrication in  
4 accordance with AASHTO M 111 for plate washers and AASHTO M 232 for all other  
5 hardware.

6  
7 Grout for ground anchors shall be Grout Type 2 for Nonshrink Applications, conforming to  
8 Section 9-20.3(2).

9  
10 Concrete for soil anchor deadmen shall be either commercial concrete conforming to 8  
11 Section 6-02.3(2)B or Class 3000 conforming to Section 6-02.

12  
13 Steel reinforcing bars for soil anchor deadmen shall conform to Section 9-07.2, and shall be  
14 epoxy-coated in accordance with Sections 6-02.3(24)H and 9-07.3.

### 15 16 **9-16.6(3) Posts**

17 This section is revised to read:

18  
19 Line posts for Types 1 and 2 glare screens shall be 2 inch inside diameter galvanized steel  
20 pipe with a nominal weight of 3.65 pounds per linear foot. End, corner, brace, and pull posts  
21 for Type 1 Design A and B and Type 2 shall be 2 ½ inch inside diameter galvanized steel  
22 pipe with a nominal weight of 5.79 pounds per linear foot. Intermediate pull posts (braced  
23 line posts) shall be as specified for line posts.

24  
25 The base material for the manufacture of steel pipes used for posts shall conform to the  
26 requirements of ASTM A 53, except the weight tolerance on tubular posts shall be applied  
27 as provided below.

28  
29 Posts provided for glare screen will have an acceptance tolerance on the weight per linear  
30 foot, as specified, equal to plus or minus 5 percent. This tolerance will apply to each  
31 individual post.

32  
33 All posts shall be galvanized in accordance with AASHTO M 181 Section 32. The minimum  
34 average zinc coating is per square foot of surface area. This area is defined as the total  
35 area inside and outside. A sample for computing the average of mass of coating is defined  
36 as a 12-inch piece cut from each end of the galvanized member.

### 37 38 **9-16.6(5) Cable**

39 This section including title is revised to read:

#### 40 41 **9-16.6(5) Vacant**

### 42 43 **9-16.6(6) Cable and Tension Wire Attachments**

44 This section including title is revised to read:

#### 45 46 **9-16.6(6) Tension Wire Attachments**

47 All tension wire attachments shall be galvanized steel conforming to the requirements of  
48 AASHTO M 232 unless otherwise specified. Eye bolts shall have either a shoulder or a  
49 back-up nut on the eye end and be provided with an eye nut where needed or standard hex  
50 nut and lock washer ¾-inch diameter for tension wire and of sufficient length to fasten to  
51 the type of posts used. Turnbuckles shall be of the shackle end type, ½ inch diameter, with  
52 standard take-up of 6 inches and provided with ¾ inch diameter pins.

1 **9-16.6(9) Fabric Bands and Stretcher Bars**

2 The first paragraph is revised to read:

3  
4 Fabric bands shall be  $\frac{1}{8}$  inch by 1 inch nominal. Stretcher bars shall be  $\frac{3}{16}$  inch by  $\frac{3}{4}$  inch  
5 nominal or  $\frac{5}{16}$  inch diameter round bar nominal. A  $\frac{5}{16}$  inch diameter round stretcher bar  
6 shall be used with Type 1. Nominal shall be construed to be the area of the cross section of  
7 the shape obtained by multiplying the specified width by thickness. A variation of minus 5-  
8 percent from this theoretical area shall be construed as "nominal" size. All shall be  
9 galvanized to meet the requirements of ASTM F 626.  
10

11 **Section 9-28, Signing Materials and Fabrication**  
12 **September 17, 2012**

13 **9-28.14(2) Steel Structures and Posts**

14 "AASHTO M 291" is revised to read "ASTM A 563".  
15

16 **Section 9-34, Pavement Marking Material**  
17 **April 2, 2012**

18 **9-34.2 Paint**

19 The second paragraph is revised to read:

20  
21 Blue and black paint shall comply with the requirements for yellow paint in Section 9-  
22 34.2(4) and Section 9-34.2(5), with the exception that blue and black paints do not need to  
23 meet the requirements for titanium dioxide, directional reflectance, and contrast ration.  
24

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**SPECIAL PROVISIONS**

**INTRODUCTION**

The following Special Provisions are made a part of this contract and supersede any conflicting provisions of the 2012 Standard Specifications for Road, Bridge and Municipal Construction, and the foregoing Amendments to the Standard Specifications.

Several types of Special Provisions are included in this contract; General, Region, Bridges and Structures, and Project Specific. Special Provisions types are differentiated as follows:

- (date) General Special Provision
- (\*\*\*\*\*) Notes a revision to a General Special Provision and also notes a Project Specific Special Provision.
- (Regions1 date) Region Special Provision
- (BSP date) Bridges and Structures Special Provision

**General Special Provisions** are similar to Standard Specifications in that they typically apply to many projects, usually in more than one Region. Usually, the only difference from one project to another is the inclusion of variable project data, inserted as a "fill-in".

**Region Special Provisions** are commonly applicable within the designated Region. Region designations are as follows:

- Regions1
- ER Eastern Region
- NCR North Central Region
- NWR Northwest Region
- OR Olympic Region
- SCR South Central Region
- SWR Southwest Region
- WSF Washington State Ferries Division

**Bridges and Structures Special Provisions** are similar to Standard Specifications in that they typically apply to many projects, usually in more than one Region. Usually, the only difference from one project to another is the inclusion of variable project data, inserted as a "fill-in".

**Project Specific Special Provisions** normally appear only in the contract for which they were developed.

**DIVISION 1 GENERAL REQUIREMENTS**

**DEFINITIONS AND TERMS**

**1-01.3 Definitions**

This Section is supplemented with the following:

(\*\*\*\*\*)

1 The venue of all causes of action arising from the advertisement, award, execution, and  
2 performance of the contract shall be in the Superior Court of Grant County, Washington.

3  
4 All references to "State" or "State of Washington" are changed to "Grant County,  
5 Washington".

6  
7 All references to "Commission", "Secretary of Transportation", or "Washington State  
8 Transportation Commission", are changed to "Board of County Commissioners, Grant  
9 County, Washington".

10  
11 All references to "Department", or "Department of Transportation" are changed to  
12 "Department of Public Works, Grant County, Washington".

13  
14 All references to "Superior Court of Thurston County, Washington" are changed to  
15 "Superior Court of Grant County, Washington".

## 16 17 **DESCRIPTION OF WORK**

18  
19 (\*\*\*\*\*)

20 This contract provides for the reconstruction of 3.81 miles of a county road in Grant County,  
21 WA, and includes rotomilling, roadway excavation, embankment compaction, borrow  
22 excavation, crushed surfacing base course, maintenance rock, drainage items, guardrail, paint  
23 lines, permanent signing, seeding, fertilizing, mulching and other work all in accordance with  
24 the attached Contract Plans, these Contract Provisions and the Standard Specifications.

## 25 26 **BID PROCEDURES AND CONDITIONS**

### 27 28 **1-02.1 Prequalification of Bidders**

29 Delete this Section and replace it with the following:

#### 30 31 1-02.1 Qualifications of Bidder

32  
33 (\*\*\*\*\*)

34 Bidders must meet the minimum qualifications of RCW 39.04.350(1), as amended:

35  
36 Before award of a public works contract, a bidder must meet the following responsibility  
37 criteria to be considered a responsible bidder and qualified to be awarded a public works  
38 project. The bidder must:

- 39  
40 (a) At the time of bid submittal, have a certificate of registration in compliance with  
41 chapter 18.27 RCW;
- 42 (b) Have a current state unified business identifier number;
- 43 (c) If applicable, have industrial insurance coverage for the bidder's employees working  
44 in Washington as required in Title 51 RCW; an employment security department  
45 number as required in Title 50 RCW; and a state excise tax registration number as  
46 required in Title 82 RCW; and
- 47 (d) Not be disqualified from bidding on any public works contract under RCW 39.06.010  
48 or 39.12.065(3).
- 49 (e) Bidders shall be qualified by experience, financing, equipment, and organization to  
50 do the work called for in the Contract Documents. The Contracting Agency reserves  
51 the right to take whatever action it deems necessary to ascertain the ability of the  
52 bidder to perform the work satisfactorily. The Contracting Agency's actions may  
53 include a pre-qualification procedure prior to the bidder being furnished a proposal

1 form on any contract, or a pre-award survey of the bidder's qualifications prior to  
2 award.  
3

#### 4 **Public Opening Of Proposal**

5 Section 1-02.12 is supplemented with the following:  
6

7 (\*\*\*\*\*)

##### 8 *Date Of Opening Bids*

9 Sealed bids are to be received at the following location prior to the time specified:  
10

11 The Office of the Board of County Commissioners, Grant County Courthouse, Room  
12 207, 35 C St. NW, P.O. Box 37, Ephrata, WA 98823  
13

14 The bid opening date for this project is **February 26, 2013**. Bids received will be publicly  
15 opened and read after **1:30 P.M.** on this date.  
16

#### 17 **1-02.13 Irregular Proposals**

18 (March 25, 2009 APWA GSP)  
19

20 Revise item 1 to read:  
21

- 22 1. A proposal will be considered irregular and will be rejected if:  
23 a. The bidder is not prequalified when so required;  
24 b. The authorized proposal form furnished by the Contracting Agency is not  
25 used or is altered;  
26 c. The completed proposal form contains any unauthorized additions,  
27 deletions, alternate bids, or conditions;  
28 d. The bidder adds provisions reserving the right to reject or accept the  
29 award, or enter into the contract;  
30 e. A price per unit cannot be determined from the bid proposal;  
31 f. The proposal form is not properly executed;  
32 g. The bidder fails to submit or properly complete a subcontractor list, if  
33 applicable, as required in Section 1 02.6.  
34 h. The bidder fails to submit or properly complete a Disadvantaged, Minority  
35 or Women's Business Enterprise Certification, if applicable, as required in  
36 Section 1-02.6;  
37 i. The bid proposal does not constitute a definite and unqualified offer to  
38 meet the material terms of the bid invitation; or  
39 j. More than one proposal is submitted for the same project from a Bidder  
40 under the same or different names.  
41

#### 42 **1-02.14 Disqualification of Bidders**

43 (March 25, 2009 APWA GSP, Option B)  
44

45 Delete this Section and replace it with the following:  
46

47 A Bidder will be deemed not responsible if:

- 48 1. the Bidder does not meet the mandatory bidder responsibility criteria in  
49 RCW 39.04.350(1), as amended; or  
50 2. evidence of collusion exists with any other Bidder or potential Bidder.  
51 Participants in collusion will be restricted from submitting further bids; or  
52 3. the Bidder, in the opinion of the Contracting Agency, is not qualified for  
53 the work or to the full extent of the bid, or to the extent that the bid

- 1 exceeds the authorized prequalification amount as may have been
- 2 determined by a prequalification of the Bidder; or
- 3 4. an unsatisfactory performance record exists based on past or current
- 4 Contracting Agency work or for work done for others, as judged from the
- 5 standpoint of conduct of the work; workmanship; or progress; affirmative
- 6 action; equal employment opportunity practices; termination for cause; or
- 7 Disadvantaged Business Enterprise, Minority Business Enterprise, or
- 8 Women's Business Enterprise utilization; or
- 9 5. there is uncompleted work (Contracting Agency or otherwise), which in
- 10 the opinion of the Contracting Agency might hinder or prevent the prompt
- 11 completion of the work bid upon; or
- 12 6. the Bidder failed to settle bills for labor or materials on past or current
- 13 contracts, unless there are extenuating circumstances acceptable to the
- 14 Contracting Agency; or
- 15 7. the Bidder has failed to complete a written public contract or has been
- 16 convicted of a crime arising from a previous public contract, unless there
- 17 are extenuating circumstances acceptable to the Contracting Agency; or
- 18 8. the Bidder is unable, financially or otherwise, to perform the work, in the
- 19 opinion of the Contracting Agency; or
- 20 9. there are any other reasons deemed proper by the Contracting Agency.
- 21

22 As evidence that the Bidder meets the bidder responsibility criteria above, the apparent  
23 two lowest Bidders must submit to the Contracting Agency within 24 hours of the bid  
24 submittal deadline, documentation (sufficient in the sole judgment of the Contracting  
25 Agency) demonstrating compliance with all applicable responsibility criteria, including all  
26 documentation specifically listed in the supplemental criteria. The Contracting Agency  
27 reserves the right to request such documentation from other Bidders as well, and to  
28 request further documentation as needed to assess bidder responsibility.

29  
30 The basis for evaluation of Bidder compliance with these supplemental criteria shall be  
31 any documents or facts obtained by Contracting Agency (whether from the Bidder or  
32 third parties) which any reasonable owner would rely on for determining such  
33 compliance, including but not limited to: (i) financial, historical, or operational data from  
34 the Bidder; (ii) information obtained directly by the Contracting Agency from owners for  
35 whom the Bidder has worked, or other public agencies or private enterprises; and (iii)  
36 any additional information obtained by the Contracting Agency which is believed to be  
37 relevant to the matter.

38  
39 If the Contracting Agency determines the Bidder does not meet the bidder responsibility  
40 criteria above and is therefore not a responsible Bidder, the Contracting Agency shall  
41 notify the Bidder in writing, with the reasons for its determination. If the Bidder disagrees  
42 with this determination, it may appeal the determination within 24 hours of receipt of the  
43 Contracting Agency's determination by presenting its appeal to the Contracting Agency.  
44 The Contracting Agency will consider the appeal before issuing its final determination. If  
45 the final determination affirms that the Bidder is not responsible, the Contracting Agency  
46 will not execute a contract with any other Bidder until at least two business days after the  
47 Bidder determined to be not responsible has received the final determination.

## 48 49 **CONTROL OF WORK**

### 50 51 **1-05.13 Superintendents, Labor and Equipment of Contractor**

52 (\*\*\*\*\*)

53  
54 Revise the seventh paragraph to read:

1  
2 Whenever the Contracting Agency evaluates the Contractor's qualifications pursuant to  
3 Section 1-02.1 and 1-02.14, it will take these performance reports into account.  
4

5 (March 13, 1995)

6 **Cooperation With Other Contractors**

7 Section 1-05.14 is supplemented with the following:  
8

9 *Other Contracts Or Other Work*

10 It is anticipated that the following work adjacent to or within the limits of this project will  
11 be performed by others during the course of this project and will require coordination of  
12 the work:  
13

- 14 1. Utility relocations and/or normal maintenance work by telephone and  
15 power companies.
- 16 2. Normal maintenance work by Grant County Road crews.
- 17 3. Normal maintenance work by irrigation district crews.  
18

19  
20 **LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC**  
21

22 **State Taxes**

23 Section 1-07.2 is supplemented with the following:  
24

25 (March 13, 1995)

26 The work on this contract is to be performed upon lands whose ownership obligates the  
27 Contractor to pay Sales tax. The provisions of Section 1-07.2(1) apply.  
28

29 **Permits and Licenses**

30 Section 1-07.6 is supplemented with the following:  
31

32 (March 13, 1995)

33 No hydraulic permits are required for this project unless the Contractor's operations use,  
34 divert, obstruct, or change the natural flow or bed of any river or stream, or utilize any of  
35 the waters of the State or materials from gravel or sand bars, or from stream beds.  
36

37 **Load Limits**

38 Section 1-07.7 is supplemented with the following:  
39

40 (March 13, 1995)

41 Whenever the Contractor obtains materials from a source other than that provided by the  
42 Contracting Agency, or provides a source for materials not designated to come from a  
43 source provided by the State and the location of the source necessitates hauling on  
44 other than State Highways, the Contractor shall, at the Contractor's expense, make all  
45 arrangements for the use of the haul routes.  
46

47 **Contractor's Responsibility for Work**

48  
49 (August 6, 2001)

50 ***Repair of Damage***

51 Section 1-07.13(4) is revised to read:  
52

1 The Contractor shall promptly repair all damage to either temporary or permanent work  
2 as directed by the Engineer. For damage qualifying for relief under Sections 1-07.13(1),  
3 1-07.13(2), or 1-07.13(3), payment will be made in accordance with Section 1-04.4.  
4 Payment will be limited to repair of damaged work only. No payment will be made for  
5 delay or disruption of work.  
6

## 7 **Protection and Restoration of Property**

8 Section 1-07.16 is supplemented with the following:  
9

10 (\*\*\*\*\*)

### 11 **Notification**

12 The Contractor shall distribute a special notice to each project resident before beginning  
13 work. Project resident means any person, company, or public agency having a driveway  
14 inside the project limits, within one mile of the project limits, or having a driveway or  
15 access on a dead-end road within the project limits. The special notice shall contain the  
16 following information and statements:  
17

- 18 • Date of the notice.
- 19 • Project name, termini, and a description of the major phases of the work.
- 20 • Name of Contractor, Contractor's representative and 24 hour phone number.
- 21 • Scheduled project start and completion dates.
- 22 • Available detour routes.
- 23 • One-way traffic will be maintained during each working day.
- 24 • Two-way traffic will be restored at the end of each working day.
- 25 • All plants, trees, shrubs, gardens, sprinklers or structures within the limits of  
26 construction will be removed. Residents are to be advised to remove such  
27 property before work begins.
- 28 • Driveways will be restored to useable conditions at the end of each working day,  
29 without exception.
- 30 • Mail service interruptions or relocations. Statement that the Contractor will  
31 remove, temporarily relocate, and eventually reinstall mail receptacles.  
32 Statement that mailboxes, posts, etc., damaged by the Contractor will be  
33 replaced and installed at no charge to the resident.
- 34 • Possible problems with power, telephone, potable water, sewer, irrigation supply  
35 relocations and/or interruptions, if any.
- 36 • Temporary fencing requirements for livestock, if any.
- 37 • Residents are responsible for driveway culvert maintenance.
- 38 • Request to irrigators to eliminate water on the roadway and in the borrow ditches  
39 per Grant County Ordinance.

40  
41 The Contractor must notify all affected Grant County agencies of the date and  
42 anticipated length of all road closures, including school districts, fire districts, Multi-  
43 Agency Communications Center (509) 762-1901, Sheriff's Dept. (509) 754-2011,  
44 Emergency Management (509) 762-1462, and U.S. Postal Service offices.  
45

46 The Contractor must place a "Notice of Road Construction" in the legal newspaper of  
47 Grant County. All notices must be provided a minimum of three (3) working days prior to  
48 beginning work. The County will not allow any work to be performed until the required  
49 notices are made by the Contractor.  
50

51 (\*\*\*\*\*)

### 52 **Payment**

1 The lump sum contract price for "Notification" shall be full compensation for all labor,  
2 equipment, materials, and tools necessary to perform the work outlined in this  
3 supplemental section.

#### 4 **Utilities And Similar Facilities**

5 Section 1-07.17 is supplemented with the following:  
6

7  
8 (\*\*\*\*\*)

9 Locations and dimensions shown in the Plans for existing facilities are in accordance  
10 with available information obtained without uncovering, measuring, or other verification.  
11

12 Public and private utilities, or their Contractors, will furnish all work necessary to adjust,  
13 relocate, replace, or construct their facilities unless otherwise provided for in the Plans or  
14 these Special Provisions. Such adjustment, relocation, replacement, or construction will  
15 be done during the prosecution of the work for this project.  
16

17 The Contractor shall call the Utility Location Request Center (One Call Center), for field  
18 location, not less than two nor more than ten business days before the scheduled date  
19 for commencement of excavation which may affect underground utility facilities, unless  
20 otherwise agreed upon by the parties involved. A business day is defined as any day  
21 other than Saturday, Sunday, or a legal local, State, or Federal holiday. The telephone  
22 number for the One Call Center for this project is 1-800-424-5555. If no one-number  
23 locator service is available, notice shall be provided individually to those owners known  
24 to or suspected of having underground facilities within the area of proposed excavation.  
25

26 The Contractor is alerted to the existence of Chapter 19.122 RCW, a law relating to  
27 underground utilities. Any cost to the Contractor incurred as a result of this law shall be  
28 at the Contractor's expense.  
29

30 No excavation shall begin until all known facilities, in the vicinity of the excavation area,  
31 have been located and marked.  
32

33 The Contract can go to the following web site to find any changes to the Washington dig  
34 law that take effect in 2013:

35 [http://www.utc.wa.gov/publicSafety/pipelineSafety/Pages/CallBeforeYouDig-  
36 DigLaw.aspx](http://www.utc.wa.gov/publicSafety/pipelineSafety/Pages/CallBeforeYouDig-DigLaw.aspx)  
37

38 The following addresses and telephone numbers of utility companies and other agencies  
39 known or suspected of having facilities within the project limits are supplied for the  
40 Contractor's convenience:

- 41 • Grant County PUD, 30 C Street SW,  
42 Ephrata, WA 98823, (509) 754-3451
- 43 • Centurylink, N. 904 Columbus  
44 Spokane, WA 99202, (509) 623-0321  
45

#### 46 **Public Convenience and Safety**

##### 47 ***Construction Under Traffic***

48 Section 1-07.23(1) is supplemented with the following:  
49

50  
51 (April 2, 2007)

52 **Work Zone Clear Zone**

1 The Work Zone Clear Zone (WZCZ) applies during working and nonworking  
2 hours. The WZCZ applies only to temporary roadside objects introduced by the  
3 Contractor's operations and does not apply to preexisting conditions or  
4 permanent Work. Those work operations that are actively in progress shall be in  
5 accordance with adopted and approved Traffic Control Plans, and other contract  
6 requirements.

7  
8 During nonworking hours equipment or materials shall not be within the WZCZ  
9 unless they are protected by permanent guardrail or temporary concrete barrier.  
10 The use of temporary concrete barrier shall be permitted only if the Engineer  
11 approves the installation and location.

12  
13 During actual hours of work, unless protected as described above, only materials  
14 absolutely necessary to construction shall be within the WZCZ and only  
15 construction vehicles absolutely necessary to construction shall be allowed within  
16 the WZCZ or allowed to stop or park on the shoulder of the roadway.

17  
18 The Contractor's nonessential vehicles and employees private vehicles shall not  
19 be permitted to park within the WZCZ at any time unless protected as described  
20 above.

21  
22 Deviation from the above requirements shall not occur unless the Contractor has  
23 requested the deviation in writing and the Engineer has provided written  
24 approval.

25  
26 Minimum WZCZ distances are measured from the edge of traveled way and will  
27 be determined as follows:

28 Minimum Work Zone Clear Zone Distance

<u>Posted Speed</u>	<u>Distance From Traveled Way (Feet)</u>
35 mph or less	10 *
40 mph	15
45 to 55 mph	20
60 mph or greater	30

37 \* or 2-feet beyond the outside edge of sidewalk

38  
39  
40 **PROSECUTION AND PROGRESS**

41  
42 **Subcontracting**

43 Section 1-08.1 is supplemented with the following:

44  
45 (October 12, 1998)

46 Prior to any subcontractor or agent beginning work, the Contractor shall submit to the  
47 Engineer a certification (WSDOT Form 420-004) that a written agreement between the  
48 Contractor and the subcontractor or between the subcontractor and any lower tier  
49 subcontractor has been executed. This certification shall also guarantee that these  
50 subcontract agreements include all the documents required by the Special Provision  
51 Federal Agency Inspection.  
52

1 A subcontractor or lower tier subcontractor will not be permitted to perform any work  
2 under the contract until the following documents have been completed and submitted to  
3 the Engineer:  
4

- 5 1. Request to Sublet Work (Form 421-012), and
- 6 2. Contractor and Subcontractor or Lower Tier Subcontractor Certification  
7 for Federal-aid Projects (Form 420-004).  
8

9 The Contractor's records pertaining to the requirements of this Special Provision shall be  
10 open to inspection or audit by representatives of the Contracting Agency during the life  
11 of the contract and for a period of not less than three years after the date of acceptance  
12 of the contract. The Contractor shall retain these records for that period. The Contractor  
13 shall also guarantee that these records of all subcontractors and lower tier  
14 subcontractors shall be available and open to similar inspection or audit for the same  
15 time period.  
16

### 17 **Prosecution Of Work**

18 The first sentence of Section 1-08.4 is revised to read:  
19

20 (\*\*\*\*\*)

21 The Contractor shall begin work on March 18, 2013, unless otherwise approved  
22 by the Engineer.  
23  
24

### 25 **Time For Completion**

26 The third paragraph of Section 1-08.5 is revised to read:  
27

28 (\*\*\*\*\*)

29 Contract time shall begin on the first working day. The first working day shall be  
30 March 18, 2013, unless otherwise approved by the Engineer.  
31  
32

33 Section 1-08.5 is supplemented with the following:  
34

35 (\*\*\*\*\*)

36 This project shall be physically completed within **45** working days.  
37

38 Should the Contractor desire to perform work on any Saturday, Sunday, or Holiday  
39 during the life of this contract, he shall request written permission from the Engineer after  
40 submitting a new work schedule specifying the exact dates on which the work is to be  
41 performed.  
42

43 Should the Contractor desire to begin work before 6:30 am, or desire to work two  
44 separate or overlapping shifts during a single 24 hour day, or desire to work a shift  
45 longer than 10 hours in a single 24 hour day, he shall request written permission from  
46 the Engineer after submitting a new work schedule specifying the exact dates on which  
47 the requested work shifts are to be performed.  
48

49 The Engineer will consider the Contractor's request and may either approve or deny any  
50 or all working dates or shifts contained in the new progress schedule.  
51

52 No additional compensation will be given the Contractor for any delays and costs  
53 incurred because of this provision. All costs incurred shall be considered incidental to  
54 and included in other applicable contract items.

1  
2 **MEASUREMENT AND PAYMENT**

3  
4 (March 13, 1995)

5 **Payments**

6 Section 1-09.9 is supplemented with the following:

7  
8 The quantity of the following items to be paid for on this project shall be the quantity  
9 shown in the Proposal, unless changes are made in accordance with Section 1-04.4  
10 which affect this quantity. The quantity shown in the Proposal will be adjusted by the  
11 amount of the change and will be paid for as specified in Section 1-04.4.

- 12  
13 1. Roadway Excavation incl. Haul  
14 2. Embankment Compaction

15  
16 The quantities in the Proposal are listed only for the convenience of the Contractor in  
17 determining the volume of work involved and are not guaranteed to be accurate. The  
18 prospective bidders shall verify these quantities before submitting a bid. No adjustments  
19 other than for approved changes will be made in the quantity even though the actual  
20 quantities required may deviate from those listed.

21  
22 The unit contract price for these items shall be full pay to construct and complete this  
23 portion of the work.

24  
25  
26 **TEMPORARY TRAFFIC CONTROL**

27  
28 **Traffic Control Management**

29  
30 **General**

31  
32 (December 1, 2008)

33 Section 1-10.2(1) is supplemented with the following:

34  
35 Only training with WSDOT TCS card and WSDOT training curriculum is  
36 recognized in the State of Washington. The Traffic Control Supervisor shall be  
37 certified by one of the following:

38  
39 The Northwest Laborers-Employers Training Trust  
40 27055 Ohio Ave.  
41 Kingston, WA 98346  
42 (360) 297-3035

43  
44 Evergreen Safety Council  
45 401 Pontius Ave. N.  
46 Seattle, WA 98109  
47 1-800-521-0778 or (206) 382-4090

48  
49 The American Traffic Safety Services Association  
50 15 Riverside Parkway, Suite 100  
51 Fredericksburg, Virginia 22406-1022  
52 Training Dept. Toll Free (877) 642-4637  
53 Phone: (540) 368-1701  
54

1 **Traffic Control Plans**

2  
3 Section 1-10.2(2) is supplemented with the following:

4  
5 (\*\*\*\*\*)

6 The County has provided the Traffic Sign Plan and the applicable Standard "K" plan(s)  
7 for this project and said plan(s) are included in these specifications and is made part of  
8 this contract.

9  
10 The work contemplated in this contract will require the Contractor to take special  
11 precautions in developing and implementing safe traffic control procedures in  
12 accordance with the MUTCD. The Contractor's attention is directed to WAC 296-155-  
13 305 as it relates to signing, signaling and flaggers. All questions concerning new  
14 standards should be directed to the Wash. State Dept. of Labor and Industries.

15  
16 The Contractor will not be permitted to close Road 6-SE within the project limits. One  
17 way traffic must be kept open during working hours and two-way traffic restored at the  
18 end of each working day. Access to County road intersections, local farms and  
19 residences shall be kept open at all times.

20  
21 **Traffic Control Labor, Procedures and Devices**

22  
23 **Traffic Control Devices**

24  
25 **Construction Signs**

26 Section 1-10.3(3)A is supplemented with the following:

27  
28 (\*\*\*\*\*)

29 The required signs will be available to the Contractor at the Grant County Sign Shop,  
30 124 Enterprise St. SE, Ephrata, WA, (509) 754-6085, on normal work days. The  
31 Contractor shall make arrangements with the Engineer at least ten working days prior to  
32 picking up the signs. The Contractor shall sign an itemized receipt at the time of  
33 acquisition.

34  
35 Signs shall be returned to Grant County Sign Shop by the Contractor when their need  
36 has ceased as determined by the Engineer. The value of signs furnished by the  
37 Contracting Agency to the Contractor is fixed at \$10.00 per square foot. The value of  
38 such signs which are damaged or not returned as provided in Section 1-10.3(3)A will be  
39 deducted from payment due or to become due the Contractor.

40  
41 **Wood Sign Posts**

42 Use the charts below to determine post size for Class A construction signs.

43  
44 **One Post Installation**

<u>Post Size</u>	<u>Min. Sign Sq. Ft.</u>	<u>Max Sign Sq. Ft.</u>
4x4	-	16.0
4x6	17.0	20.0
6x6	21.0	25.0
6x8	26.0	31.0

45  
46  
47  
48  
49  
50  
51  
52 **Two Post Installation**  
53 (For signs 5 feet or greater in width)  
54

	<u>Post Size</u>	<u>Min. Sign Sq. Ft.</u>	<u>Max Sign Sq. Ft.</u>
1			
2	4x4	-	16.0
3	4x6	17.0	36.0
4	6x6	37.0	46.0
5	6x8	47.0	75.0 *
6			

\* The Engineer will determine the post size for signs greater than 75 square feet.

**Barricades**

Section 1-10.3(3)D is supplemented with the following:

(\*\*\*\*\*)

The barricades shall be Type III and constructed in accordance with the details shown in the MUTCD and the Standard Plans. The barricade width shall be eight (8) feet.

As may be indicated in the Signing Plan, Traffic Control Plans, or the Contract Provisions, the Contractor may be required to install signs, warning lights, or both, on barricades

**Measurement**

(\*\*\*\*\*)

Section 1-10.4 is supplemented with the following:

No unit of measurement will be made for any of the items contained in the Traffic Control Plan or Section 1-10 of the Standard Specifications.

**Payment**

Section 1-10.5(1) is supplemented with the following:

(\*\*\*\*\*)

No additional compensation will be paid to the Contractor for any cost or expense incurred as a result of the requirements of this provision and all costs shall be considered incidental to and included in other applicable contract items.

**DIVISION 2 EARTHWORK**

**CLEARING, GRUBBING, AND ROADSIDE CLEANUP**

**Description**

Section 2-01.1 is supplemented with the following:

(March 13, 1995)

Clearing and grubbing on this project shall be performed within the following limits:

Road 6-SE – Sta.12+60 to 213+01

**REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

**Construction Requirements**

1  
2 **Removal of Pavement, Sidewalks, and Curbs**  
3 Section 2-02.3(3) is supplemented with the following:  
4

5 (\*\*\*\*\*)

6 **Rotomilling Bituminous Pavement**

7 The Contractor shall rotomill all existing bituminous pavements. The Contractor  
8 shall provide equipment capable of producing planings 2 inches in diameter or  
9 smaller. All sections planed on any given day shall be uniformly spread,  
10 watered, and re-compacted to a non-yielding surface over the existing subgrade  
11 by the end of the work day and re-graded, if necessary, to the staked line and  
12 grade before placement of crushed surfacing materials.  
13

14 The equipment used to rotomill existing bituminous pavements shall be capable  
15 of rotomilling a minimum of 72" in a single pass, capable of working at a mixing  
16 depth of at least 6" without producing skips and work at a traveling speed of 1  
17 mph or more.  
18

19 **Payment**

20 Section 2-02.5 is supplemented with the following:  
21

22 "Rotomilling Bituminous Pavement", per square yard.  
23

24 **ROADWAY EXCAVATION AND EMBANKMENT**

25  
26 **Construction Requirements**

27  
28 **Disposal Of Surplus Material**

29 Section 2-03.3(7)A is supplemented with the following:  
30

31 (\*\*\*\*\*)

32 A waste site has not been provided by the County for the disposal of excess material  
33 and debris.  
34

35 **Borrow**

36 Section 2-03.3(13) is supplemented with the following:  
37

38 No borrow site has been provided for this project.  
39

40 The unit contract price bid per cubic yard for "Borrow Excavation incl. Haul" shall  
41 be full compensation for acquiring; hauling, placing, and processing borrow  
42 material.  
43  
44

45 **DIVISION 3 PRODUCTION FROM QUARRY AND PIT SITES AND STOCKPILING**

46  
47 **PRODUCTION FROM QUARRY AND PIT SITES**

48  
49 **State Furnished Material Sources**

50 Section 3-01.3 is supplemented with the following:  
51

52 (\*\*\*\*\*)

53 The following source(s) of stockpiled materials are made available to the Contractor at  
54 the unit prices shown under the section entitled Stockpiling Aggregates:

1  
2 Stockpile Site \*\*\* #544 \*\*\* source for \*\*\*crushed surfacing base course and maintenance  
3 rock \*\*\* is located in Section 7, Township 17 North, Range 29 East W.M., as shown in  
4 the Plans.  
5  
6

## 7 STOCKPILING AGGREGATES

### 8 9 General Requirements

#### 10 11 **Removing Aggregates From Stockpiles**

12 Section 3-02.2(7) is supplemented with the following:

13  
14 (\*\*\*\*\*)

15 Crushed Surfacing Base Course and Maintenance Rock aggregates for use in this  
16 project exist in stockpile at the location and for the unit prices listed below and in the  
17 amounts shown in the Plans.  
18

19 <u>Location</u>	20 <u>Material</u>	21 <u>Price</u>
22 Index #544, QS-160	Crushed Surfacing Base Course	\$4.55/Ton
23 O'Sullivan Quarry	Maintenance Rock	\$3.33/Ton
24 Sec. 7, T17N, R29 E WM	Gravel Backfill for Pipe Zone Bedding	\$5.26/C.Y.

25 The Contractor may obtain material from other sources provided they are approved by  
26 the Engineer and provided the Contractor makes all arrangements and pays all  
27 expenses required for the acquisition of the materials.  
28

### 29 **Payment**

30 Section 3-02.5 is supplemented with the following:

31  
32 (\*\*\*\*\*)

33 The unit contract price shall be full payment for the purchase, loading, hauling, placing  
34 and compacting of materials provided in stockpile or, if so chosen by the Contractor, for  
35 the furnishing, hauling, placing and compacting of materials obtained by the Contractor  
36 from an approved source of the Contractor's own choice and acquisition.  
37

38 If the Contractor chooses to use the materials existing in stockpile, the County shall  
39 deduct the costs of such aggregates from monthly progress estimates in accordance  
40 with the rates specified above and based on the quantity of materials allowed by the  
41 Engineer on the monthly progress payments and final estimate.  
42

## 43 **SITE RECLAMATION**

### 44 45 **Contracting-Agency Provided Sites**

46 Section 3-03.2(1) is supplemented with the following:

47  
48 (March 13, 1995)

49 Site reclamation shall be performed by the Contracting Agency on all sites furnished by  
50 the Contracting Agency.  
51  
52

## 53 **DIVISION 4 BASES**

1  
2 **BALLAST AND CRUSHED SURFACING**

3  
4 **Construction Requirements**

5  
6 ***Equipment***

7 The first sentence of Section 4-04.3(1) is revised to read:

8  
9 (\*\*\*\*\*)

10 All equipment necessary for the satisfactory performance of this construction  
11 shall be on the project and approved by the Engineer prior to beginning work.  
12 The Contractor will be required to demonstrate that equipment of sufficient size,  
13 number, and reliability has been provided to meet the project schedule submitted  
14 by the Contractor, if requested by the Engineer.

15  
16 ***Placing and Spreading***

17 The third paragraph of Section 4-04.3(4) is supplemented with the following:

18  
19 (\*\*\*\*\*)

20 The Contractor will be required to fill each hauling vehicle with the same quantity  
21 of crushed aggregate. This is necessary in order to provide consistent spreads  
22 within the limits of the specific section determined by the Engineer.

23  
24 The Contractor will place the material in such a way as to minimize the impact of  
25 the hauling vehicles. Hauling over any of the surfacing materials prior to  
26 processing shall not be permitted.

27  
28 ***Miscellaneous Requirement***

29 The second sentence of the first paragraph of Section 4-04.3(7) is revised to  
30 read:

31  
32 (\*\*\*\*\*)

33 Each course of surfacing material shall be placed in its entirety before placing the  
34 succeeding course unless otherwise authorized by the Engineer. The Contractor  
35 shall repair any segregated areas by reprocessing the effected section of each  
36 course before placing any additional material.

37  
38  
39 **DIVISION 8 MISCELLANEOUS CONSTRUCTION**

40  
41 **EROSION CONTROL AND WATER POLLUTION CONTROL**

42  
43 **Construction Requirements**

44  
45 ***Mulching***

46 Section 8-01.3(2)D is supplemented with the following:

47  
48 (\*\*\*\*\*)

49 Wood cellulose fiber suitable for use with a hydroseeder shall be applied at a rate  
50 of 2,000 pounds per acre or as specified by the manufacturer for the type of work  
51 outlined in this contract and within forty eight hours after seeding. Wood  
52 cellulose fiber will be applied separately after seeding and fertilizing.

1 **IRRIGATION SYSTEMS**

2  
3 **Construction requirements**

4  
5 Section 8-03 is supplemented with the following

6  
7 (\*\*\*\*\*)

8 **Force Account Replace Existing Irrigation Pipe and Risers**

9  
10 **Description**

11 This work consists of replacing existing irrigation pipe and risers located along 6-SE  
12 between Stations 184+00 and 187+00 on the right side of the road.

13  
14 **Construction Requirements**

15 The contractor shall expose both end of the existing irrigation line located within the fill  
16 slopes of this project and replace with new pipe and risers at a location to be determined  
17 by the engineer.

18  
19 **Payment**

20 "Force Account Replace Existing Irrigation Pipe and Risers", by force account as  
21 provided in Section 1-09.6. For the purpose of providing a common proposal for all  
22 bidders, the Contracting Agency has entered an amount for the item "Force Account  
23 Replace Existing Irrigation Pipe and Risers" in the bid proposal to become a part of the  
24 total bid by the contractor.

25  
26 **MONUMENT**

27  
28 **Construction Requirements**

29  
30 (\*\*\*\*\*)

31 Section 8-13.3 is supplemented with the following:

32  
33 All work shall be performed by a licensed surveyor.

34  
35 The Contractor shall provide the Engineer GPS coordinates on all monuments set or  
36 reset.

37  
38 The Contractor shall be required to set or reset monuments and monument covers at  
39 right of way points of intersection, curvature, and tangency within the project limits and  
40 as shown on the plans. Pursuant to RCW 58.24.040(8), a permit to remove or destroy a  
41 survey monument shall be acquired from the Washington State Dept. of Natural  
42 Resources for all existing survey monuments and markers.

43  
44 The Contractor shall leave all existing monuments in place unless the road profile  
45 requires removal. When the new road profile requires the existing monument to be reset  
46 the Contractor shall reuse and reset existing monument and record a new elevation on  
47 the brass disc or provide a supplementary brass inset with new elevation stamped on  
48 the monument. The Contractor shall give the Engineer a certified report from the  
49 Surveyor regarding the final disposition and condition of all monuments discovered  
50 within the project limits.

51  
52 **Payment**

1 (\*\*\*\*\*)

2 The unit contract price bid per each for "Monument" shall be full compensation for  
3 performing the work outlined herein and in accordance with the plans and specifications.  
4

## 5 PERMANENT SIGNING

### 6 7 **Construction Requirements**

8  
9 (\*\*\*\*\*)

10 Section 8-21.3 is supplemented with the following:

11  
12 All existing signs, posts and hardware within the project limits shall be removed and  
13 salvaged to the Grant County Sign Shop, 124 Enterprise St. S.E., Ephrata, WA, Monday  
14 thru Friday, 7:00 A.M. to 3:00 P.M.  
15

16 All locations for new sign installations within or near the project limits shall be staked in  
17 the field by the Engineer.  
18

19 All sign post lengths shall be determined by the Contractor and approved by the  
20 Engineer prior to installation.  
21

22 The Permanent Signing Appendix lists the signs that shall be furnished and installed by  
23 the Contractor.  
24

## 25 PAVEMENT MARKING

### 26 27 **Materials**

28  
29 (\*\*\*\*\*)

30 The first sentence of Section 8-22.2 is replaced with the following:

31  
32 Materials for pavement marking shall be acetone-based paint and conform to WSDOT  
33 paint formulas HWVY2 for yellow lines and HWVW1 for white lines. Water-based paints  
34 will not be acceptable.  
35

### 36 **Construction Requirements**

#### 37 38 ***Preliminary Spotting***

39 The first sentence of Section 8-22.3(1) is replaced with the following:

40  
41 (\*\*\*\*\*)

42 The Contractor shall use established control points to assist in the preliminary  
43 spotting of the lines to be marked. Where control points are unavailable the  
44 Contractor shall establish such control as necessary to provide accurate  
45 preliminary spotting for pavement marking. The Engineer shall provide control  
46 points for no-pass zones.  
47

#### 48 ***Marking Application***

49 Section 8-22.3(3) is supplemented with the following:

50  
51 (\*\*\*\*\*)

52 This contract contains new striping work and will require two applications of paint  
53 on a thoroughly swept pavement surface. 10 mils on the first pass and 15 mils

on the second pass in the opposite direction. Glass beads for retro-reflective applications shall be applied at the rate of 7 pounds per gallon of paint.

The Contractor shall use a three gun paint spray system for all striping on this contract.

## DIVISION 9 MATERIALS

### AGGREGATES

#### Aggregates for Ballast and Crushed Surfacing

##### *Crushed Surfacing & Maintenance Rock*

Section 9-03.9(3) and 9-03.9(4) are supplemented with the following:

(\*\*\*\*\*)

Sieve Size	Base Course Percent Passing	Maintenance Rock Percent Passing
1 – 1/4" square	100	
5/8" square	50 – 80	
1/2" square	-	100
1/4" square	30 – 50	55 – 70
US No. 40	5 – 18	10 – 25
US No. 200	3 – 7.5	3 – 7
Fracture	75% min.	75% min.
Sand Equivalent	35% min.	40% min.

### EROSION CONTROL AND ROADSIDE PLANTING

#### Seed

Section 9-14.2 is supplemented with the following:

(\*\*\*\*\*)

The following arid area seed mixes are approved for use on this project. The Contractor shall choose one of the approved arid area mixes for application on this project.

Kind and variety of Seed in mixture	% By Weight	Minimum % Pure Seed	Minimum % Germination
<b>Arid Area Mix A Containing*:</b>			
Sherman Big Bluegrass	10	9.5	70
Crested Wheatgrass	30	28.5	85
Schwindamer Thickspike	30	28.5	85
Slender Wheatgrass	30	28.0	85
Weed Seed		2.0 (max)	
Inert and other crop		<u>3.5 (max)</u>	
Total		100.0	
<b>Arid Area Mix B Containing**:</b>			
Sheep Fescue	30	28.5	85
Crested Wheatgrass	30	28.5	85

1	Intermediate Wheatgrass	30	28.0	85
2	Annual Ryegrass	10	9.5	85
3	Weed Seed		2.0 (max)	
4	Inert and other crop		<u>3.5 (max)</u>	
5	Total		100.0	

---

\*Arid area mix A shall be applied at the rate of eighteen (18) pounds per acre on all areas requiring arid area mix seeding within the project limits.

\*\*Arid area mix B shall be applied at the rate of thirty (30) pounds per acre on all areas requiring arid area mix seeding within the project limits.

**Fertilizer**

Section 9-14.3 is supplemented with the following:

(\*\*\*\*\*)

Sufficient quantities of fertilizer shall be applied to supply the following amounts of nutrients:

- Total Nitrogen as N - 135 pounds per acre
- Available Phosphoric Acid as P<sub>2</sub>O<sub>5</sub> - 80 pounds per acre
- Soluable Potash as K<sub>2</sub>O - 80 pounds per acre

Ninety pounds of nitrogen applied per acre shall be derived from isobutylidene dilurea (IBDU), cyclo-di-urea (CDU), or sulphur coated urea (SCU). The remainder may be derived from any source.

The fertilizer formulation and application rate shall be approved by the Engineer before use.

**STANDARD PLANS**

*August 2, 2010*

The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-01 transmitted under Publications Transmittal No. PT 12-050, effective August 6, 2012 is made a part of this contract.

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**PROPOSAL**

To: Board of County Commissioners  
Grant County, Washington

Date: \_\_\_\_\_, 2013

This certifies that the undersigned has examined the location of **6-SE Road, CRP 10-07, in Grant County, Washington**, and that the plans, specifications and contract governing the work embraced in the improvement, and the method by which payment will be made for said work is understood. The undersigned hereby proposes to undertake and complete the work embraced in this improvement, or as much thereof as can be completed with the money available in accordance with said plans, specifications and contract and at the following schedule of rates and prices.

**6-SE Road**

Note: Unit prices for all items, all extensions, and total amount must be shown. Please type or use ink. Please initial all changes.

Item No.	Plan Quantity	Item Description	Price per Unit* Dollars . Cents	Total Amount Dollars . Cents
<b>PREPARATION</b>				
1	100% Lump Sum	Mobilization	At ////////.//// Per Lump Sum	.
2	100% Lump Sum	Notification	At ////////.//// Per Lump Sum	.
3	100% Lump Sum	Clearing and Grubbing	At ////////.//// Per Lump Sum	.
<b>GRADING</b>				
4	49,106 Sq. Yd.	Rotomilling Bituminous Pavement	At . . . Per Square Yard	.
5	13,218 Cu. Yd.	Roadway Excavation Including Haul	At . . . Per Cubic Yard	.
6	18,560 Cu. Yd.	Embankment Compaction	At . . . Per Cubic Yard	.
7	11,000 Cu. Yd.	Borrow Excavation Including Haul	At . . . Per Cubic Yard	.

Item No.	Plan Quantity	Item Description	Price per Unit* Dollars . Cents	Total Amount Dollars . Cents
----------	---------------	------------------	---------------------------------	------------------------------

**DRAINAGE**

8	28 L.F.	Plain Steel Culvert Pipe 0.064" Th. – 12" Diameter	At . Per Linear Foot	.
---	------------	---	----------------------------	---

9	233 L.F.	Plain Steel Culvert Pipe 0.064" Th. – 18" Diameter	At . Per Linear Foot	.
---	-------------	---	----------------------------	---

**SURFACING**

10	29,000 Ton	Crushed Surfacing Base Course from Stockpile #544	At . Per Ton	.
----	---------------	--	--------------------	---

11	18,560 Ton	Maintenance Rock from Stockpile #544	At . Per Ton	.
----	---------------	---	--------------------	---

**HOT MIX ASPHALT**

12	220 Ton	Commercial HMA Class 1/2" incl. PG64-28 Paving Asphalt	At . Per Ton	.
----	------------	---	--------------------	---

**TRAFFIC**

13	143 L.F.	Beam Guard Rail Type 31	At . Per Linear Foot	.
----	-------------	-------------------------	----------------------------	---

14	2 Each	Beam Guard Rail Type 31 Non- Flared Terminal	At . Per Each	.
----	-----------	---	---------------------	---

15	9,169 L.F.	Painted Skip Centerline	At . Per Linear Foot	.
----	---------------	-------------------------	----------------------------	---

16	4,599 L.F.	Painted Skip Centerline with No Pass	At . Per Linear Foot	.
----	---------------	---	----------------------------	---

17	6,086 L.F.	Painted Double Yellow Center Line	At . Per Linear Foot	.
----	---------------	-----------------------------------	----------------------------	---

Item No.	Plan Quantity	Item Description	Price per Unit* Dollars . Cents	Total Amount Dollars . Cents
18	39,600 L.F.	Painted Edge Line - White	At . Per Linear Foot	.
19	100% Lump Sum	Permanent Signing	At ////////.//// Per Lump Sum	.
<b>OTHER ITEMS</b>				
22	60 Cu. Yd.	Structure Excavation Class "B" Including Haul	At . Per Cubic Yard	.
21	60 Cu. Yd.	Gravel Backfill for Pipe Zone Bedding	At . Per Cubic Yard	.
22	6 Each	Monument	At . Per Each	.
23	100% Lump Sum	Trimming and Cleanup	At ////////.//// Per Lump Sum	.
24	8.0 Acre	Seeding, Fertilizing and Mulching with Irrigated Pasture Mix	At . Per Acre	.
25	1,600 L.F.	Wire Fence Type 2	At . Per Linear Foot	.
26	Estimated.	Force Account Replace Existing Irrigation Pipe and Risers	Estimated	<b>\$2,000.00</b>

Item No.	Plan Quantity	Item Description	Price per Unit* Dollars . Cents	Total Amount Dollars . Cents
----------	---------------	------------------	---------------------------------	------------------------------

27	Calculated	Minor Changes	At ////////.//// Calculated	-\$1.00
----	------------	---------------	-----------------------------------	---------

<b>Contract Total</b>	.
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## Non-Collusion Declaration

I, by signing the proposal, hereby declare, under penalty of perjury under the laws of the United States that the following statements are true and correct:

1. That the undersigned person(s), firm, association, or corporation has (have) not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the project for which this proposal is submitted.
2. That by signing the signature page of this proposal, I am deemed to have signed and have agreed to the provisions of this declaration.

### Notice to All Bidders

To report bid rigging activities call:

**1-800-424-9071**

The U.S. Department of Transportation (USDOT) operates the above toll-free "hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m., Eastern Time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of USDOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the USDOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

Revised 8/95

## Proposal – Signature Page

The bidder is hereby advised that by signature of this proposal he/she is deemed to have acknowledged all requirements and signed all certificates contained herein.

A proposal guaranty in an amount of five percent (5%) of the total bid, based upon the approximate estimate of quantities at the above prices and in the form as indicated below, is attached hereto:

- Cash  In the Amount of \_\_\_\_\_
- Cashier's Check  \_\_\_\_\_ Dollars
- Certified Check  (\$ \_\_\_\_\_) Payable to the Grant County Treasurer
- Proposal Bond  In the Amount of 5% of the Bid

Receipt is hereby acknowledged of addendum(s) No.(s) \_\_\_\_\_, \_\_\_\_\_ & \_\_\_\_\_.

Signature of Authorized Official(s)

Proposal Must Be Signed



\_\_\_\_\_  
Please Print Name of Authorized Official

Firm Name \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

State of Washington Contractor's License No. \_\_\_\_\_

Federal ID No. \_\_\_\_\_

Note:

- (1) This proposal form is not transferable and any alteration entered hereon without prior permission from the County Engineer will be cause for considering the proposal irregular and subsequent rejection of bid.
- (2) Please refer to section 1-02.6 of the standard specifications, re: "Preparation of Proposal" or "Article 4" of the instructions to bidders for building construction jobs.
- (3) Should it be necessary to modify this proposal either in writing or by electronic means, please make reference to the following proposal number in your communication: \_\_\_\_\_

Revised 8/95

## Statement of Contractor Qualifications

To: Board of County Commissioners  
Grant County, Washington

Date: \_\_\_\_\_, 2013

RE: **6-SE Road, CRP 10-07**

I hereby maintain that I am a responsible bidder as contemplated by the policies of the State of Washington and Chapter 36.77 of the Revised Code of Washington.

1. My permanent business name and address is \_\_\_\_\_  
which I have maintained for \_\_\_\_ years. My phone is (\_\_\_\_) \_\_\_\_\_ Fax (\_\_\_\_) \_\_\_\_\_
2. I have adequate plant equipment to expeditiously and properly perform the work contemplated for Grant County, Washington. **Description of work:** This contract provides for the reconstruction of 3.81 miles of a county road in Grant County, WA, and includes rotomilling, roadway excavation, embankment compaction, borrow excavation, crushed surfacing base course, maintenance rock, drainage items, guardrail, paint lines, permanent signing, seeding, fertilizing, mulching and other work all in accordance with the attached Contract Plans, these Contract Provisions and the Standard Specifications. (Please list equipment to be used on this project. Attach list if necessary.)  
\_\_\_\_\_  
\_\_\_\_\_
3. I have adequate funds to promptly meet obligations incident to this work. (Provide bank, contact & phone.)  
a) \_\_\_\_\_  
b) \_\_\_\_\_ c) \_\_\_\_\_
4. I have adequate experience in this class of work and I am thoroughly familiar with the specifications used in this project. I have constructed the following similar improvements: (Provide project name, contact & phone.)  
a) \_\_\_\_\_  
b) \_\_\_\_\_  
c) \_\_\_\_\_
5. I have submitted and maintain annually a "Standard Questionnaire and Financial Statement" to the Washington State Department of Transportation (WSDOT): Yes  No  Region: \_\_\_\_\_  
WSDOT has determined: a) I am prequalified to \_\_\_\_\_  
\_\_\_\_\_ in the amount of \_\_\_\_\_.  
b) I have failed to be prequalified for the following reasons: \_\_\_\_\_  
\_\_\_\_\_.

The Contracting Agency may determine a prospective Bidder who is not prequalified to perform certain types of work within the financial and experience constraints determined by WSDOT to be not responsible and refuse to award a contract.

The Board of County Commissioners shall proceed to award the contract to the lowest and best bidder but may reject any or all bids if in its opinion good cause exists therefor. (RCW 36.77.040)

I hereby certify that the above statements are true and accurate.

Very truly yours,

By: \_\_\_\_\_

(Print Name) \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Washington State Contractor's License No.: \_\_\_\_\_

Revised 4/02

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## Bid Bond

**KNOW ALL MEN BY THESE PRESENTS:**

That we, \_\_\_\_\_, as  
Principal, and \_\_\_\_\_, as  
Surety, are held and firmly bound unto Grant County, Washington, as Obligee, in the penal sum  
of \_\_\_\_\_ Dollars  
(\$ \_\_\_\_\_) for the payment of which the Principal and Surety bind themselves,  
their heirs, executors, administrators, successors and assigns, jointly and severally, by these  
presents.

The condition of the obligation is such that if the Obligee shall make any award to the  
Principal for **6-SE Road, CRP 10-07**, located in Grant County, Washington, according to the  
terms of the proposal or bid made by the Principal therefor, and the Principal shall duly make  
and enter into a contract with the Obligee in accordance with the terms of said proposal or bid  
and award and shall give bond for the faithful performance thereof, with the Surety or Sureties  
approved by the Obligee; or if the principal shall, in case of failure so to do, pay and forfeit to  
the Obligee the penal amount of the deposit specified in the call for bids, then this obligation  
shall be null and void; otherwise it shall be and remain in full force and effect and the Surety  
shall forthwith pay and forfeit to the Obligee, as penalty and liquidated damages, the amount  
of this bond.

SIGNED, SEALED AND DATED THIS \_\_\_\_ DAY OF \_\_\_\_\_, 2013

Principal \_\_\_\_\_

Surety \_\_\_\_\_

Attorney-in-Fact \_\_\_\_\_

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## CONTRACT

THIS AGREEMENT, between the Board of County Commissioners of Grant County, State of Washington, acting under and by virtue of Chapter 36.77 of the Revised Code of Washington, as amended, hereinafter called the County, and \_\_\_\_\_, for itself, its heirs, executors, administrators, successors and assigns, hereinafter called the Contractor.

### WITNESSETH:

That in consideration of the payments, covenants, and agreements, hereinafter mentioned, and attached and made a part of this agreement, to be made and performed by the parties hereto, and the parties hereto covenant and agree as follows:

### DESCRIPTION OF WORK:

1. The Contractor shall do all work and furnish all tools, materials, and equipment necessary to improve and complete **6-SE Road, CRP 10-07**, located in Grant County, Washington, as proposed in a bid opened **1:30 P.M., Tuesday, February 26, 2013** in accordance with and as described in the herein attached plans and standard specifications, and in full compliance with the terms, conditions, and stipulations herein set forth and attached, now referred to any by such reference incorporated herein and made part hereof as fully for all purposes as if here set forth at length, and shall perform any alterations in or additions to the work covered by this contract and every part thereof and any force account work may be ordered as provided in this contract and every part thereof.
2. The Contractor shall provide and be at the expense of all materials, labor, carriage, tools, implements and conveniences and things of every description that may be requisite for the transfer of materials and for constructing and completing the work provided for in this contract and every part thereof.
3. The County hereby promises and agrees with the Contractor to employ, and does employ the Contractor to provide the materials and to do and cause to be done the above described work and to complete and finish the same according to the attached plans and specifications and the terms and conditions herein contained, and hereby contracts to pay for the same according to the attached specifications and the schedule of unit or itemized prices hereto attached, at the time and in the manner and upon the conditions provided for in this contract and every part thereof. The County further agrees to employ the Contractor to perform any alterations in or additions to the work covered by this contract and every part thereof and any force account work that may be ordered and pay for same under the terms of this contract and the attached plans and specifications.
4. The Contractor for himself, and for his heirs, executors, administrators and assigns, and successors and assigns, does hereby agree to the full performance of all the covenants herein contained upon the part of the Contractor.
5. It is further provided that no liability shall attach to the County by reason of entering into this contract, except as expressly provided herein.

IN WITNESS WHEREOF, the said Contractor has executed this instrument, and the said Board of County Commissioners of Grant County has caused this instrument to be executed by and in the name of said Board by its Members, duly attested by its Clerk, the day and year below written, and the seal of said Board to be hereunto affixed on said date.

\_\_\_\_ day of \_\_\_\_\_, 2013

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Firm Name

\_\_\_\_\_  
Address

\_\_\_\_\_  
City State Zip

( ) \_\_\_\_\_  
Phone

ATTEST:

\_\_\_\_\_  
Clerk of the Board

APPROVED AS TO FORM:

\_\_\_\_ day of \_\_\_\_\_, 2013

\_\_\_\_\_  
Deputy Prosecuting Attorney

INFORMATIONAL COPY

BOARD OF COUNTY COMMISSIONERS  
OF GRANT COUNTY, WASHINGTON

Done this \_\_\_\_ day of \_\_\_\_\_, 2013

\_\_\_\_\_  
Chair

\_\_\_\_\_  
Member

\_\_\_\_\_  
Member

**CONTRACT BOND**

KNOW ALL MEN BY THESE PRESENTS:

That we, the undersigned, \_\_\_\_\_, as principal, and \_\_\_\_\_, a corporation organized and existing under the laws of the State of \_\_\_\_\_, as surety corporation, and qualified under the laws of the State of Washington to become surety upon bonds of contractors with municipal corporations, as surety, are jointly and severally held and firmly bound to Grant County, Washington, in the penal sum of \_\_\_\_\_ (\$ \_\_\_\_\_) for the payment of which sum on demand we bind ourselves and our successors, heirs, administrators or personal representatives, as the case may be.

This obligation is entered into in pursuance of the statutes of the State of Washington, the Ordinances of Grant County, Washington.

Dated at \_\_\_\_\_, Washington, this \_\_\_\_ day of \_\_\_\_\_, 2013.

The conditions of the above obligation are such that:

WHEREAS, on **February 26, 2013**, the Board of County Commissioners of said Grant County has let or is about to let to the Principal, a certain contract, the said contract providing for the improvement of **6-SE Road, CRP 10-07**, located in Grant County, Washington, (which contract is referred to herein and is made a part hereof as though attached hereto), and

WHEREAS, the said Principal has accepted, or is about to accept, the said contract, and undertake to perform the work therein provided for in the manner and within the time set forth;

NOW, THEREFORE, if the said Principal shall faithfully perform all of the provisions of said contract in the manner and within the time therein set forth or within such extensions of time as may be granted under said contract, and shall pay all laborers, mechanics, subcontractors and material men, and all persons who shall supply said Principal or subcontractors with provisions and supplies for the carrying on of said work, and shall hold said Grant County harmless from any loss or damage occasioned to any person or property by reason of any carelessness or negligence on the part of said Principal, or any subcontractor in the performance of said work and shall indemnify and hold Grant County harmless from any damage or expense by reason of failure of performance as specified in said contract or from defects appearing or developing in the material or workmanship provided or performed under said contract, and until the same is accepted, then and in that event this obligation shall be void but otherwise it shall be and remain in full force and effect.

Countersigned:

\_\_\_\_\_  
Licensed Agent/Surety Co.

\_\_\_\_\_  
Principal

\_\_\_\_\_  
Attorney-in-Fact, Surety

Approved as to form:

(\_\_\_\_\_) \_\_\_\_\_  
Firm, Street Address (No P.O. Box), Phone of Local Office of Agent

\_\_\_\_\_, 2013  
\_\_\_\_\_  
Deputy Prosecuting Attorney

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## TITLE VI – Contractor Requirements

During the performance of this contract, the contractor/consultant, for itself, its assignees and successors in interest (hereinafter referred to as the “contractor”) agrees as follows:

### 1. Compliance with Regulations

The contractor shall comply with the Regulations relative to non-discrimination in federally assisted programs of United States Department of Transportation (USDOT), Title 49, Code of Federal Regulations, part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.

### 2. Non-discrimination

The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, sex, or national origin in the selection and retention of sub-contractors, including procurement of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.

### 3. Solicitations for Sub-contracts, Including Procurement of Materials and Equipment

In all solicitations either by competitive bidding or negotiations made by the contractor for work to be performed under a sub-contract, including procurement of materials or leases of equipment, each potential sub-contractor or supplier shall be notified by the contractor of the contractor’s obligations under this contract and the Regulations relative to non-discrimination on the grounds of race, color, sex, or national origin.

### 4. Information and Reports

The contractor shall provide all information and reports required by the Regulations or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the contracting agency or the appropriate federal agency to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to WSDOT or the USDOT as appropriate, and shall set forth what efforts it has made to obtain the information.

### 5. Sanctions for Non-compliance

In the event of the contractor’s non-compliance with the non-discrimination provisions of this contract, the contracting agency shall impose such contract sanctions as it or the USDOT may determine to be appropriate, including, but not limited to:

- Withholding of payments to the contractor under the contract until the contractor complies, and/or;
- Cancellation, termination, or suspension of the contract, in whole or in part

### 6. Incorporation of Provisions

The contractor shall include the provisions of paragraphs (1) through (5) in every sub-contract, including procurement of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto. The contractor shall take such action with respect to any sub-contractor or procurement as the contracting agency or USDOT may direct as a means of enforcing such provisions including sanctions for non-compliance.

Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a sub-contractor or supplier as a result of such direction, the contractor may request WSDOT enter into such litigation to protect the interests of the state and, in addition, the contractor may request the USDOT enter into such litigation to protect the interests of the United States.

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State of Washington  
Department of Labor & Industries  
Prevailing Wage Section - Telephone 360-902-5335  
PO Box 44540, Olympia, WA 98504-4540

**Washington State Prevailing Wage**

The PREVAILING WAGES listed here include both the hourly wage rate and the hourly rate of fringe benefits. On public works projects, worker's wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements are provided on the Benefit Code Key.

Journey Level Prevailing Wage Rates for the Effective Date: 2/5/2013

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>
Grant	<u>Fence Erectors</u>	Fence Erector	\$13.80			1
Grant	<u>Fence Erectors</u>	Fence Laborer	\$11.60			1
Grant	<u>Flaggers</u>	Journey Level	\$32.01	7B		1M
Grant	<u>Laborers</u>	Air And Hydraulic Track Drill	\$34.65	7B		1M
Grant	<u>Laborers</u>	Asphalt Raker	\$34.65	7B		1M
Grant	<u>Laborers</u>	Asphalt Roller, Walking	\$34.38	7B		1M
Grant	<u>Laborers</u>	Brick Pavers	\$34.11	7B		1M
Grant	<u>Laborers</u>	Brush Hog Feeder	\$34.11	7B		1M
Grant	<u>Laborers</u>	Brush Machine	\$34.65	7B		1M
Grant	<u>Laborers</u>	Caisson Worker, Free Air	\$34.65	7B		1M
Grant	<u>Laborers</u>	Carpenter Tender	\$34.11	7B		1M
Grant	<u>Laborers</u>	Cement Finisher Tender	\$34.38	7B		1M
Grant	<u>Laborers</u>	Cement Handler	\$34.11	7B		1M
Grant	<u>Laborers</u>	Chain Saw Operator & Faller	\$34.65	7B		1M
Grant	<u>Laborers</u>	Clean-up Laborer	\$34.11	7B		1M
Grant	<u>Laborers</u>	Compaction Equipment	\$34.38	7B		1M
Grant	<u>Laborers</u>	Concrete Crewman	\$34.11	7B		1M
Grant	<u>Laborers</u>	Concrete Saw, Walking	\$34.38	7B		1M
Grant	<u>Laborers</u>	Concrete Signalman	\$34.11	7B		1M
Grant	<u>Laborers</u>	Concrete Stack	\$34.65	7B		1M
Grant	<u>Laborers</u>	Confined Space Attendant	\$34.11	7B		1M
Grant	<u>Laborers</u>	Crusher Feeder	\$34.11	7B		1M
Grant	<u>Laborers</u>	Demolition	\$34.11	7B		1M
Grant	<u>Laborers</u>	Demolition Torch	\$34.38	7B		1M
Grant	<u>Laborers</u>	Dope Pot Fireman, Non-mechanical	\$34.38	7B		1M
Grant	<u>Laborers</u>	Driller Helper (when Required To Move & Position Machine)	\$34.38	7B		1M
Grant	<u>Laborers</u>	Drills With Dual Masts	\$34.93	7B		1M
Grant	<u>Laborers</u>	Dry Stack Walls	\$34.11	7B		1M
Grant	<u>Laborers</u>	Dumpman	\$34.11	7B		1M
Grant	<u>Laborers</u>	Erosion Control Laborer	\$34.11	7B		1M
Grant	<u>Laborers</u>	Final Detail Cleanup (i.e., Dusting, Vacuuming, Window Cleaning; Not Construction Debris Cleanup)	\$32.01	7B		1M

Grant	<u>Laborers</u>	Firewatch	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Form Cleaning Machine Feeder, Stacker	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Form Setter, Paving	\$34.38	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	General Laborer	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Grade Checker	\$36.64	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Grout Machine Header Tender	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Guard Rail	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Guniting	\$34.65	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Hazardous Waste Worker (level A)	\$34.93	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Hazardous Waste Worker (level B)	\$34.65	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Hazardous Waste Worker (level C)	\$34.38	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Hazardous Waste Worker (level D)	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Hdpe Or Similar Liner Installer	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	High Scaler	\$34.65	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Jackhammer Operator Miner, Class "b"	\$34.38	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Laser Beam Operator	\$34.65	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Miner, Class "a"	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Miner, Class "c"	\$34.65	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Miner, Class "d"	\$34.93	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Monitor Operator, Air Track Or Similar Mounting	\$34.65	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Mortar Mixer	\$34.65	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Nipper	\$34.11	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Nozzlemaster	\$34.65	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Nozzlemaster, Water (to Include Fire Hose), Air Or Steam	\$34.38	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Pavement Breaker, 90 Lbs. & Over	\$34.65	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Pavement Breaker, Under 90 Lbs.	\$34.38	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Pipelayer	\$34.65	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Pipelayer, Corrugated Metal Culvert And Multi-plate	\$34.38	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Pipewrapper	\$34.65	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Plasterer Tenders	\$34.65	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Pot Tender	\$34.38	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Powderman	\$36.30	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Powderman Helper	\$34.38	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Power Buggy Operator	\$34.38	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Power Tool Operator, Gas, Electric, Pneumatic	\$34.38	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Railroad Equipment, Power Driven, Except Dual Mobile	\$34.38	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Railroad Power Spiker Or Puller, Dual Mobile	\$34.38	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Remote Equipment Operator	\$34.93	<u>7B</u>	<u>1M</u>
Grant	<u>Laborers</u>	Remote Equipment Operator (i.e. Compaction And Demolition)	\$34.38	<u>7B</u>	<u>1M</u>

Grant	<u>Laborers</u>	Rigger/signal Person	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Riprap Person	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Rodder & Spreader	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Sandblast Tailhoseman	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Scaffold Erector, Wood Or Steel	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Stake Jumper	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Structural Mover	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Tailhoseman (water Nozzle)	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Timber Bucker & Faller (by Hand)	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Track Laborer (rr)	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Traffic Control Laborer	\$32.01	<u>7B</u>	<u>1M</u>	<u>8T</u>
Grant	<u>Laborers</u>	Traffic Control Supervisor	\$33.01	<u>7B</u>	<u>1M</u>	<u>8S</u>
Grant	<u>Laborers</u>	Trencher, Shawnee	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Trenchless Technology Technician	\$34.65	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Truck Loader	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Tugger Operator	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Vibrators, All	\$34.65	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Wagon Drills	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Water Pipe Liner	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Welder, Electric, Manual Or Automatic (hdpe Or Similar Pipe And Liner)	\$34.93	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Well-point Person	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers</u>	Wheelbarrow, Power Driven	\$34.38	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers - Underground Sewer &amp; Water</u>	General Laborer & Topman	\$34.11	<u>7B</u>	<u>1M</u>	
Grant	<u>Laborers - Underground Sewer &amp; Water</u>	Pipe Layer	\$34.65	<u>7B</u>	<u>1M</u>	
Grant	<u>Painters</u>	Journey Level	\$37.51	<u>6Z</u>	<u>2B</u>	
Grant	<u>Power Equipment Operators</u>	A-frame Truck (2 Or More Drums)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	A-frame Truck (single Drum)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Asphalt Plant Operator	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Assistant Plant Operator, Fireman Or Pugmixer (asphalt)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Assistant Refrigeration Plant & Chiller Operator (over 1000 Ton)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Assistant Refrigeration Plant (under 1000 Ton)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Automatic Subgrader (ditches & Trimmers)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Backfillers (cleveland & Similar)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Backhoe & Hoe Ram (under 3/4 Yd.)	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Backhoe (45,000 Gw & Under)	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Backhoe (45,000 Gw To 110,000 Gw)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Backhoe (over 110,000 Gw)	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Backhoes & Hoe Ram (3 Yds & Over)	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Backhoes & Hoe Ram (3/4 Yd. To 3 Yd.)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>

Grant	<u>Power Equipment Operators</u>	Bagley Or Stationary Scraper	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Batch & Wet Mix Operator (multiple Units, 2 & Incl. 4)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Batch Plant & Wet Mix Operator, Single Unit (concrete)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Batch Plant (over 4 Units)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Belt Finishing Machine	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Belt Loader (kocal Or Similar)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Belt-crete Conveyors With Power Pack Or Similar	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Bending Machine	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Bit Grinders	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Blade (finish & Bluetop), Automatic, Cmi, Abc, Finish Athey & Huber & Similar When Used As Automatic	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Blade Operator (motor Patrol & Attachments)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Blower Operator (cement)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Boat Operator	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Bob Cat (skid Steer)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Bolt Threading Machine	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Boom Cats (side)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Boring Machine (earth)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Boring Machine (Rock Under 8" Bit - Quarry Master, Joy Or Similar)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Bump Cutter (wayne, Saginaw Or Similar)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Cableway Controller (dispatcher)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Cableway Operators	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Canal Lining Machine (concrete)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Carrydeck & Boom Truck (under 25 Tons)	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Cement Hog	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Chipper (without Crane) Cleaning & Doping Machine (pipeline)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Clamshell, Dragline	\$40.71	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Compactor (self-propelled With Blade)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Compressor (2000 Cfm Or Over, 2 Or More, Gas Diesel Or Electric Power)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Compressors (under 2000 Cfm, Gas, Diesel Or Electric Power)	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Concrete Cleaning / Decontamination Machine Operator	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Concrete Pump Boon Truck	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Concrete Pumps (squeeze- crete, Flow-crete, Whitman & Similar)	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Concrete Saw (multiple Cut)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Concrete Slip Form Paver	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>

Grant	<u>Power Equipment Operators</u>	Conveyor Aggregate Delivery Systems (c.a.d.)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Crane Oiler- Driver (cdl Required) & Cable Tender, Mucking Machine	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Cranes (25 Tons & Under), All Attachments Incl. Clamshell, Dragline	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Cranes (25 Tons To And Including 45 Tons), All Attachments Incl. Clamshell, Dragline	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Cranes (45 Tons To 85 Tons), All Attachments Incl. Clamshell And Dragline	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Cranes (85 Tons & Over) And All Climbing, Overhead, Rail & Tower. All Attachments Incl.	\$40.71	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Crusher Feeder	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Crusher, Grizzle & Screening Plant Operator	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Curb Extruder (asphalt Or Concrete)	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Deck Engineer	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Deck Hand	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Derricks & Stifflegs (65 Tons & Over)	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Derricks & Stifflegs (under 65 Tons)	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Distributor Reeverman	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Ditch Witch Or Similar	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Dope Pots (power Agitated)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Dozer / Tractor (up To D-6 Or Equivalent) And Traxcavator	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Dozer / Tractors (d-6 & Equivalent & Over)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Dozer, 834 R/t & Similar	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Drill Doctor	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Driller Licensed	\$40.71	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Drillers Helper	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Drilling Equipment (8" Bit & Over - Robbins, Reverse Circulation & Similar)	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Drills (churn, Core, Calyx Or Diamond)	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Elevating Belt (holland Type)	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Elevating Belt-type Loader (euclid, Barber Green & Similar)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Elevating Grader-type Loader (dumor, Adams Or Similar)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Elevator Hoisting Materials	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Equipment Serviceman, Greaser & Oiler	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Fireman & Heater Tender	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Fork Lift Or Lumber Stacker, Hydra-life & Similar	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>

Grant	<u>Power Equipment Operators</u>	Generator Plant Engineers (diesel Or Electric)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Gin Trucks (pipeline)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Grade Checker	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Gunite Combination Mixer & Compressor	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	H.d. Mechanic	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	H.d. Welder	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Helicopter Pilot	\$40.71	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Helper, Mechanic Or Welder, H.D	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Hoe Ram	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Hoist (2 Or More Drums Or Tower Hoist)	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Hoist, Single Drum	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Hydraulic Platform Trailers (goldhofer, Shaurerly And Similar)	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Hydro-seeder, Mulcher, Nozzleman	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Lime Batch Tank Operator (recycle Train)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Lime Brain Operator (recycle Train)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Loader (360 Degrees Revolving Koehring Scooper Or Similar)	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Loader Operator (front-end & Overhead, 4 Yds. Inct. 8 Yds.)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Loaders (bucket Elevators And Conveyors)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Loaders (overhead & Front-end, Over 8 Yds. To 10 Yds.)	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Loaders (overhead & Front-end, Under 4 Yds.. R/t)	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Loaders (overhead And Front-end, 10 Yds. & Over)	\$40.71	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Locomotive Engineer	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Longitudinal Float	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Master Environmental Maintenance Technician	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Mixer (portable - Concrete)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Mixermobile	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Mobile Crusher Operator (recycle Train)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Mucking Machine	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Multiple Dozer Units With Single Blade	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Pavement Breaker, Hydra-hammer & Similar	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Paving (dual Drum)	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Paving Machine (asphalt And Concrete)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Piledriving Engineers	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Plant Oiler	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Posthole Auger Or Punch	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Power Broom	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>

Grant	<u>Power Equipment Operators</u>	Pump (grout Or Jet)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Pumpman	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Quad-track Or Similar Equipment	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Railroad Ballast Regulation Operator (self-propelled)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Railroad Power Tamper Operator (self-propelled)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Railroad Tamper Jack Operator (self-propelled)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Railroad Track Liner Operator (self-propelled)	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Refrigeration Plant Engineer (1000 Tons & Over)	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Refrigeration Plant Engineer (under 1000 Ton)	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Rollerman (finishing Asphalt Pavement)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Rollers, All Types On Subgrade, Including Seal And Chip Coating (farm Type, Case, John Deere And Similar, or Compacting Vibrator), Except When Pulled B	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Roto Mill (pavement Grinder)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Rotomill Groundsman	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Rubber-tired Scrapers (multiple Engine With Three Or More Scrapers)	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Rubber-tired Skidders (r/t With Or Without Attachments)	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Scrapers, All, Rubber-tired	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Screed Operator	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Shovels (3 Yds. & Over)	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Shovels (under 3 Yds.)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Signalman (whirleys, Highline, Hammerheads Or Similar)	\$39.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Soil Stabilizer (p & H Or Similar)	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Spray Curing Machine (concrete)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Spreader Box (self-propelled)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Spreader Machine	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Steam Cleaner	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Straddle Buggy (ross & Similar On Construction Job Only)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Surface Heater & Planer Machine	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Tractor (farm Type R/t With Attachments, Except Backhoe)	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Traverse Finish Machine	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Trenching Machines (7 Ft. Depth & Over)	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Trenching Machines (under 7 Ft. Depth Capacity)	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Tug Boat Operator	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Tugger Operator	\$38.13	<u>7B</u>	<u>1M</u>	<u>8D</u>

Grant	<u>Power Equipment Operators</u>	Turnhead (with Re-screening)	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Turnhead Operator	\$38.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Ultra High Pressure Waterjet Cutting Tool System Operator, (30,000 Psi)	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Vactor Guzzler, Super Sucker	\$39.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Vacuum Blasting Machine Operator	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Vacuum Drill (reverse Circulation Drill Under 8" Bit)	\$38.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Welding Machine	\$37.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Power Equipment Operators</u>	Whirleys & Hammerheads, All	\$39.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<u>Sign Makers &amp; Installers (Non- Electrical)</u>	Journey Level	\$14.65		1	
Grant	<u>Surveyors</u>	All Classifications	\$28.57	<u>Null</u>	1	
Grant	<u>Traffic Control Stripers</u>	Journey Level	\$41.27	<u>7A</u>	<u>1K</u>	
Grant	<u>Truck Drivers</u>	Dump Truck	\$26.09		1	
Grant	<u>Truck Drivers</u>	Dump Truck And Trailer	\$26.09		1	
Grant	<u>Truck Drivers</u>	Other Trucks	\$27.84		1	
Grant	<u>Truck Drivers</u>	Transit Mixer	\$10.00		1	

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Overtime Codes

Overtime calculations are based on the hourly rate actually paid to the worker. On public works projects, the hourly rate must be not less than the prevailing rate of wage minus the hourly rate of the cost of fringe benefits actually provided for the worker.

1. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
  - B. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - C. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - D. The first two (2) hours before or after a five-eight (8) hour workweek day or a four-ten (10) hour workweek day and the first eight (8) hours worked the next day after either workweek shall be paid at one and one-half times the hourly rate of wage. All additional hours worked and all worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
  - G. The first ten (10) hours worked on Saturdays and the first ten (10) hours worked on a fifth calendar weekday in a four-ten hour schedule, shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - H. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions or equipment breakdown) shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
  - I. All hours worked on Sundays and holidays shall also be paid at double the hourly rate of wage.
  - J. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage.
  - K. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
  - M. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Benefit Code Key – Effective 3-3-2013 thru 8-30-2013

1. N. All hours worked on Saturdays (except makeup days) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- O. The first ten (10) hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays, holidays and after twelve (12) hours, Monday through Friday and after ten (10) hours on Saturday shall be paid at double the hourly rate of wage.
- P. All hours worked on Saturdays (except makeup days if circumstances warrant) and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- Q. The first two (2) hours after eight (8) regular hours Monday through Friday and up to ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays (except Christmas day) shall be paid at double the hourly rate of wage. All hours worked on Christmas day shall be paid at two and one-half times the hourly rate of wage.
- R. All hours worked on Sundays and holidays shall be paid at two times the hourly rate of wage.
- S. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays and all other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
- U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays (except Labor Day) shall be paid at two times the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
- V. All hours worked on Sundays and holidays (except Thanksgiving Day and Christmas day) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Thanksgiving Day and Christmas day shall be paid at double the hourly rate of wage.
- W. All hours worked on Saturdays and Sundays (except make-up days due to conditions beyond the control of the employer)) shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- X. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over twelve (12) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage. When holiday falls on Saturday or Sunday, the day before Saturday, Friday, and the day after Sunday, Monday, shall be considered the holiday and all work performed shall be paid at double the hourly rate of wage.
- Y. All hours worked outside the hours of 5:00 am and 5:00 pm (or such other hours as may be agreed upon by any employer and the employee) and all hours worked in excess of eight (8) hours per day (10 hours per day for a 4 x 10 workweek) and on Saturdays and holidays (except labor day) shall be paid at one and one-half times the hourly rate of wage (except for employees who are absent from work without prior approval on a scheduled workday during the workweek shall be paid at the straight-time rate until they have worked 8 hours in a day (10 in a 4 x 10 workweek) or 40 hours during that workweek.) All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and Labor Day shall be paid at double the hourly rate of wage.
- Z. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid the straight time rate of pay in addition to holiday pay.

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2. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- B. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
  - C. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at two times the hourly rate of wage.
  - F. The first eight (8) hours worked on holidays shall be paid at the straight hourly rate of wage in addition to the holiday pay. All hours worked in excess of eight (8) hours on holidays shall be paid at double the hourly rate of wage.
  - G. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
  - H. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
  - K. All hours worked on holidays shall be paid at two times the hourly rate of wage in addition to the holiday pay.
  - O. All hours worked on Sundays and holidays shall be paid at one and one-half times the hourly rate of wage.
  - R. All hours worked on Sundays and holidays and all hours worked over sixty (60) in one week shall be paid at double the hourly rate of wage.
  - U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked over 12 hours in a day or on Sundays and holidays shall be paid at double the hourly rate of wage.
  - W. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage. On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The first eight (8) hours worked on the fifth day shall be paid at one and one-half times the hourly rate of wage. All other hours worked on the fifth, sixth, and seventh days and on holidays shall be paid at double the hourly rate of wage.
  - Y. All hours worked on Saturdays (except for make-up days) shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
3. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- A. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at time and one-half the straight time rate. Hours worked over twelve hours (12) in a single shift and all work performed after 6:00 pm Saturday to 6:00 am Monday and holidays shall be paid at double the straight time rate of pay. Any shift starting between the hours of 6:00 pm and midnight shall receive an additional one dollar (\$1.00) per hour for all hours worked that shift. The employer shall have the sole discretion to assign overtime work to employees. Primary consideration for overtime work shall be given to employees regularly assigned to the work to be performed on overtime situations. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

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3. B. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over twelve (12) hours Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- C. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays shall be paid at double the hourly rate of wage. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.
- D. All hours worked between 6:00 pm Monday through 6:00 am Saturday, shall be paid at an overtime rate of 15% over the hourly rate of wage. All other hours worked after 6:00 am on Saturdays, shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- E. All hours worked Sundays and holidays shall be paid at double the hourly rate of wage. Each week, once 40 hours of straight time work is achieved, then any hours worked over 10 hours per day Monday through Saturday shall be paid at double the hourly wage rate.
- G. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, , and all work on Saturdays shall be paid at time and one-half the straight time rate. Hours worked over twelve hours (12) in a single shift and all work performed after 8:00 am Sunday to 8:00 am Monday and Holidays shall be paid at double the straight time rate of pay. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.
4. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- A. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.

Holiday Codes

5. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, and Christmas Day (7).
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day (8).
- C. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
- D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8).
- H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).

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- 5. I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- J. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Eve Day, And Christmas Day (7).
- K. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9).
- L. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, And Christmas Day (8).
- N. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (9).
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday And Saturday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9). If A Holiday Falls On Sunday, The Following Monday Shall Be Considered As A Holiday.
- Q. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- R. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, One-Half Day Before Christmas Day, And Christmas Day. (7 1/2).
- S. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, And Christmas Day (7).
- T. Paid Holidays: New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, Christmas Day, And The Day Before Or After Christmas (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

**Holiday Codes Continued**

- 6. A. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (8).
- E. Paid Holidays: New Year's Day, Day Before Or After New Year's Day, Presidents Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, Christmas Day, And A Half-Day On Christmas Eve Day. (9 1/2).
- G. Paid Holidays: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, Christmas Day, And Christmas Eve Day (11).
- H. Paid Holidays: New Year's Day, New Year's Eve Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating Holiday (10).
- I. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, And Christmas Day (7).

6. T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.

**Holiday Codes Continued**

7. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday And Saturday After Thanksgiving Day, And Christmas Day (8). Any Holiday Which Falls On A Sunday Shall Be Observed As A Holiday On The Following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- C. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the last working day before Christmas day and Christmas day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- G. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

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7. J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- M. Paid Holidays: New Year's Day, The Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, And the Day after or before Christmas Day. 10). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.
- O. Paid Holidays: New Year's Day, The Day After Or Before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, Christmas Day, The Day After Or Before Christmas Day, And The Employees Birthday. 11). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- R. Paid Holidays: New Year's Day, the day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day after or before Christmas Day (10). If any of the listed holidays fall on Saturday, the preceding Friday shall be observed as the holiday. If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

Note Codes

8. A. In addition to the hourly wage and fringe benefits, the following depth premiums apply to depths of fifty feet or more:  
Over 50' To 100' -\$2.00 per Foot for Each Foot Over 50 Feet  
Over 100' To 150' -\$3.00 per Foot for Each Foot Over 100 Feet  
Over 150' To 220' -\$4.00 per Foot for Each Foot Over 150 Feet  
Over 220' -\$5.00 per Foot for Each Foot Over 220 Feet

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- C. In addition to the hourly wage and fringe benefits, the following depth premiums apply to depths of fifty feet or more:  
Over 50' To 100' -\$1.00 per Foot for Each Foot Over 50 Feet  
Over 100' To 150' -\$1.50 per Foot for Each Foot Over 100 Feet  
Over 150' To 200' -\$2.00 per Foot for Each Foot Over 150 Feet  
Over 200' -Divers May Name Their Own Price
- D. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.
- L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$0.75, Level B: \$0.50, And Level C: \$0.25.
- M. Workers on hazmat projects receive additional hourly premiums as follows: Levels A & B: \$1.00, Levels C & D: \$0.50.
- N. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$1.00, Level B: \$0.75, Level C: \$0.50, And Level D: \$0.25.
- P. Workers on hazmat projects receive additional hourly premiums as follows -Class A Suit: \$2.00, Class B Suit: \$1.50, Class C Suit: \$1.00, And Class D Suit \$0.50.
- Q. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.
- R. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. These classifications are only effective on or after August 31, 2012.
- S. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.
- T. Effective August 31, 2012 – A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.

INFORMATIONAL COPY

**Washington State Department of Labor and Industries**  
**Policy Statement**  
**(Regarding the Production of "Standard" or "Non-standard" Items)**

Below is the department's (State L&I's) list of criteria to be used in determining whether a prefabricated item is "standard" or "non-standard". For items not appearing on WSDOT's predetermined list, these criteria shall be used by the Contractor (and the Contractor's subcontractors, agents to subcontractors, suppliers, manufacturers, and fabricators) to determine coverage under RCW 39.12. The production, in the State of Washington, of non-standard items is covered by RCW 39.12, and the production of standard items is not. The production of any item outside the State of Washington is not covered by RCW 39.12.

1. Is the item fabricated for a public works project? If not, it is not subject to RCW 39.12. If it is, go to question 2.
2. Is the item fabricated on the public works jobsite? If it is, the work is covered under RCW 39.12. If not, go to question 3.
3. Is the item fabricated in an assembly/fabrication plant set up for, and dedicated primarily to, the public works project? If it is, the work is covered by RCW 39.12. If not, go to question 4.
4. Does the item require any assembly, cutting, modification or other fabrication by the supplier? If not, the work is not covered by RCW 39.12. If yes, go to question 5.
5. Is the prefabricated item intended for the public works project typically an inventory item which could reasonably be sold on the general market? If not, the work is covered by RCW 39.12. If yes, go to question 6.
6. Does the specific prefabricated item, generally defined as standard, have any unusual characteristics such as shape, type of material, strength requirements, finish, etc? If yes, the work is covered under RCW 39.12.

Any firm with questions regarding the policy, WSDOT's Predetermined List, or for determinations of covered and non-covered workers shall be directed to State L&I at (360) 902-5330.

**WSDOT's  
Predetermined List for  
Suppliers - Manufactures - Fabricator**

Below is a list of potentially prefabricated items, originally furnished by WSDOT to Washington State Department of Labor and Industries, that may be considered non-standard and therefore covered by the prevailing wage law, RCW 39.12. Items marked with an X in the "YES" column should be considered to be non-standard and therefore covered by RCW 39.12. Items marked with an X in the "NO" column should be considered to be standard and therefore not covered. Of course, exceptions to this general list may occur, and in that case shall be evaluated according to the criteria described in State and L&I's policy statement.

ITEM DESCRIPTION	YES	NO
1. Metal rectangular frames, solid metal covers, herringbone grates, and bi-directional vaned grates for Catch Basin Types 1, 1L, 1P, and 2 and Concrete Inlets. See Std. Plans		X
2. Metal circular frames (rings) and covers, circular grates, and prefabricated ladders for Manhole Types 1, 2, and 3, Drywell Types 1, 2, and 3 and Catch Basin Type 2. See Std. Plans		X
3. Prefabricated steel grate supports and welded grates, metal frames and dual vaned grates, and Type 1, 2, and 3 structural tubing grates for Drop Inlets. See Std. Plans.		X
4. Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes smaller than 60 inch diameter.		X
5. Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes larger than 60 inch diameter.		X
6. Corrugated Steel Pipe - Steel lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, 1 thru 5.		X
7. Corrugated Aluminum Pipe - Aluminum lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, #5.		X

ITEM DESCRIPTION	YES	NO
8. Anchor Bolts & Nuts - Anchor Bolts and Nuts, for mounting sign structures, luminaries and other items, shall be made from commercial bolt stock. See Contract Plans and Std. Plans for size and material type.		X
9. Aluminum Pedestrian Handrail - Pedestrian handrail conforming to the type and material specifications set forth in the contract plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).	X	
10. Major Structural Steel Fabrication - Fabrication of major steel items such as trusses, beams, girders, etc., for bridges.	X	
11. Minor Structural Steel Fabrication - Fabrication of minor steel items such as special hangers, brackets, access doors for structures, access ladders for irrigation boxes, bridge expansion joint systems, etc., involving welding, cutting, punching and/or boring of holes. See Contact Plans for item description and shop drawings.	X	
12. Aluminum Bridge Railing Type BP - Metal bridge railing conforming to the type and material specifications set forth in the Contract Plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).		X
13. Concrete Piling--Precast-Prestressed concrete piling for use as 55 and 70 ton concrete piling. Concrete to conform to Section 9-19.1 of Std. Spec..	X	
14. Precast Manhole Types 1, 2, and 3 with cones, adjustment sections and flat top slabs. See Std. Plans.		X
15. Precast Drywell Types 1, 2, and with cones and adjustment sections. See Std. Plans.		X
16. Precast Catch Basin - Catch Basin type 1, 1L, 1P, and 2 With adjustment sections. See Std. Plans.		X

ITEM DESCRIPTION	YES	NO
17. Precast Concrete Inlet - with adjustment sections, See Std. Plans		X
18. Precast Drop Inlet Type 1 and 2 with metal grate supports. See Std. Plans.		X
19. Precast Grate Inlet Type 2 with extension and top units. See Std. Plans		X
20. Metal frames, vaned grates, and hoods for Combination Inlets. See Std. Plans		X
21. Precast Concrete Utility Vaults - Precast Concrete utility vaults of various sizes. Used for in ground storage of utility facilities and controls. See Contract Plans for size and construction requirements. Shop drawings are to be provided for approval prior to casting		X
22. Vault Risers - For use with Valve Vaults and Utilities Vaults.		X
23. Valve Vault - For use with underground utilities. See Contract Plans for details		X
24. Precast Concrete Barrier - Precast Concrete Barrier for use as new barrier or may also be used as Temporary Concrete Barrier. Only new state approved barrier may be used as permanent barrier.		X
25. Reinforced Earth Wall Panels – Reinforced Earth Wall Panels in size and shape as shown in the Plans. Fabrication plant has annual approval for methods and materials to be used. See Shop Drawing. Fabrication at other locations may be approved, after facilities inspection, contact HQ. Lab.	X	
26. Precast Concrete Walls - Precast Concrete Walls - tilt-up wall panel in size and shape as shown in Plans. Fabrication plant has annual approval for methods and materials to be used	X	

ITEM DESCRIPTION	YES	NO
27. Precast Railroad Crossings - Concrete Crossing Structure Slabs.	X	
28. 12, 18 and 26 inch Standard Precast Prestressed Girder – Standard Precast Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
29. Prestressed Concrete Girder Series 4-14 - Prestressed Concrete Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
30. Prestressed Tri-Beam Girder - Prestressed Tri-Beam Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
31. Prestressed Precast Hollow-Core Slab – Precast Prestressed Hollow-core slab for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A.	X	
32. Prestressed Bulb Tee Girder - Bulb Tee Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
33. Monument Case and Cover See Std. Plan.		X

ITEM DESCRIPTION	YES	NO
34. Cantilever Sign Structure - Cantilever Sign Structure fabricated from steel tubing meeting AASHTO-M-183. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	X	
35. Mono-tube Sign Structures - Mono-tube Sign Bridge fabricated to details shown in the Plans. Shop drawings for approval are required prior to fabrication.	X	
36. Steel Sign Bridges - Steel Sign Bridges fabricated from steel tubing meeting AASHTO-M-138 for Aluminum Alloys. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	X	
37. Steel Sign Post - Fabricated Steel Sign Posts as detailed in Std Plans. Shop drawings for approval are to be provided prior to fabrication		X
38. Light Standard-Prestressed - Spun, prestressed, hollow concrete poles.	X	
39. Light Standards - Lighting Standards for use on highway illumination systems, poles to be fabricated to conform with methods and materials as specified on Std. Plans. See Special Provisions for pre-approved drawings.	X	
40. Traffic Signal Standards - Traffic Signal Standards for use on highway and/or street signal systems. Standards to be fabricated to conform with methods and material as specified on Std. Plans. See Special Provisions for pre-approved drawings	X	
41. Precast Concrete Sloped Mountable Curb (Single and DualFaced) See Std. Plans.		X

ITEM DESCRIPTION	YES	NO
42. Traffic Signs - Prior to approval of a Fabricator of Traffic Signs, the sources of the following materials must be submitted and approved for reflective sheeting, legend material, and aluminum sheeting. <b>NOTE: *** Fabrication inspection required. Only signs tagged "Fabrication Approved" by WSDOT Sign Fabrication Inspector to be installed</b>	X	X
	Custom Message	Std Signing Message
43. Cutting & bending reinforcing steel		X
44. Guardrail components	X	X
	Custom End Sec	Standard Sec
45. Aggregates/Concrete mixes	Covered by WAC 296-127-018	
46. Asphalt	Covered by WAC 296-127-018	
47. Fiber fabrics		X
48. Electrical wiring/components		X
49. treated or untreated timber pile		X
50. Girder pads (elastomeric bearing)	X	
51. Standard Dimension lumber		X
52. Irrigation components		X

ITEM DESCRIPTION	YES	NO
53. Fencing materials		X
54. Guide Posts		X
55. Traffic Buttons		X
56. Epoxy		X
57. Cribbing		X
58. Water distribution materials		X
59. Steel "H" piles		X
60. Steel pipe for concrete pile casings		X
61. Steel pile tips, standard		X
62. Steel pile tips, custom	X	

Prefabricated items specifically produced for public works projects that are prefabricated in a county other than the county wherein the public works project is to be completed, the wage for the offsite prefabrication shall be the applicable prevailing wage for the county in which the actual prefabrication takes place.

It is the manufacturer of the prefabricated product to verify that the correct county wage rates are applied to work they perform.

See RCW 39.12.010  
 (The definition of "locality" in RCW 39.12.010(2) contains the phrase "wherein the physical work is being performed." The department interprets this phrase to mean the actual work site.)

## WSDOT's List of State Occupations not applicable to Heavy and Highway Construction Projects

This project is subject to the state hourly minimum rates for wages and fringe benefits in the contract provisions, as provided by the state Department of Labor and Industries. The following list of occupations, is comprised of those occupations that are not normally used in the construction of heavy and highway projects.

When considering job classifications for use and / or payment when bidding on, or building heavy and highway construction projects for, or administered by WSDOT, these Occupations will be excepted from the included "Washington State Prevailing Wage Rates For Public Work Contracts" documents.

- Electrical Fixture Maintenance Workers
- Electricians - Motor Shop
- Heating Equipment Mechanics
- Industrial Engine and Machine Mechanics
- Industrial Power Vacuum Cleaners
- Inspection, Cleaning, Sealing of Water Systems by Remote Control
- Laborers - Underground Sewer & Water
- Machinists (Hydroelectric Site Work)
- Modular Buildings
- Playground & Park Equipment Installers
- Power Equipment Operators - Underground Sewer & Water
- Residential \*\*\* ALL ASSOCIATED RATES \*\*\*
- Sign Makers and Installers (Non-Electrical)
- Sign Makers and Installers (Electrical)
- Stage Rigging Mechanics (Non-Structural)

The following occupations may be used only as outlined in the preceding text concerning "WSDOT's list for Suppliers - Manufacturers - Fabricators"

- Fabricated Precast Concrete Products
- Metal Fabrication (In Shop)

Definitions for the Scope of Work for prevailing wages may be found at the Washington State Department of Labor and Industries web site and in WAC Chapter 296-127.

**Washington State Department of Labor and Industries**  
**Policy Statements**  
**(Regarding Production and Delivery of Gravel, Concrete, Asphalt, etc.)**

**WAC 296-127-018 Agency filings affecting this section**

**Coverage and exemptions of workers involved in the production and delivery of gravel, concrete, asphalt, or similar materials.**

(1) The materials covered under this section include but are not limited to: Sand, gravel, crushed rock, concrete, asphalt, or other similar materials.

(2) All workers, regardless of by whom employed, are subject to the provisions of chapter 39.12 RCW when they perform any or all of the following functions:

(a) They deliver or discharge any of the above-listed materials to a public works project site:

(i) At one or more point(s) directly upon the location where the material will be incorporated into the project; or

(ii) At multiple points at the project; or

(iii) Adjacent to the location and coordinated with the incorporation of those materials.

(b) They wait at or near a public works project site to perform any tasks subject to this section of the rule.

(c) They remove any materials from a public works construction site pursuant to contract requirements or specifications (e.g., excavated materials, materials from demolished structures, clean-up materials, etc.).

(d) They work in a materials production facility (e.g., batch plant, borrow pit, rock quarry, etc.) which is established for a public works project for the specific, but not necessarily exclusive, purpose of supplying materials for the project.

(e) They deliver concrete to a public works site regardless of the method of incorporation.

(f) They assist or participate in the incorporation of any materials into the public works project.

(3) All travel time that relates to the work covered under subsection (2) of this section requires the payment of prevailing wages. Travel time includes time spent waiting to load, loading, transporting, waiting to unload, and delivering materials. Travel time would include all time spent in travel in support of a public works project whether the vehicle is empty or full. For example, travel time spent returning to a supply source to obtain another load of material for use on a public works site or returning to the public works site to obtain another load of excavated material is time spent in travel that is subject to prevailing wage. Travel to a supply source, including travel from a public works site, to obtain materials for use on a private project would not be travel subject to the prevailing wage.

(4) Workers are not subject to the provisions of chapter 39.12 RCW when they deliver materials to a stockpile.

(a) A "stockpile" is defined as materials delivered to a pile located away from the site of incorporation such that the stockpiled materials must be physically moved from the stockpile and transported to another location on the project site in order to be incorporated into the project.

(b) A stockpile does not include any of the functions described in subsection (2)(a) through (f) of this section; nor does a stockpile include materials delivered or distributed to multiple locations upon the project site; nor does a stockpile include materials dumped at the place of incorporation, or adjacent to the location and coordinated with the incorporation.

(5) The applicable prevailing wage rate shall be determined by the locality in which the work is performed. Workers subject to subsection (2)(d) of this section, who produce such materials at an off-site facility shall be paid the applicable prevailing wage rates for the county in which the off-site facility is located. Workers subject to subsection (2) of this section, who deliver such materials to a public works project site shall be paid the applicable prevailing wage rates for the county in which the public works project is located.

[Statutory Authority: Chapter 39.12 RCW, RCW 43.22.051 and 43.22.270. 08-24-101, § 296-127-018, filed 12/2/08, effective 1/2/09. Statutory Authority: Chapters 39.04 and 39.12 RCW and RCW 43.22.270. 92-01-104 and 92-08-101, § 296-127-018, filed 12/18/91 and 4/1/92, effective 8/31/92.]

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6 SE Rd., CRP 10-07 -- Permanent Signing Appendix - Sheet #1

Sign No.	Quantity	Sign Code	Sign Description	Sign Size		Sheeting Type	Letter Size or Code	Post Material	Post Size	Location
				x	y					
1	1	W3-1A	Stop Ahead Symbol	36"	36"	High Intensity		Wood	4" x 4"	250' EAST OF SR 17 ON THE NORTH SIDE
2	2	W2-1	CROSS RD SYMBOL	30"	30"	High Intensity		Wood	4" x 4"	750' WEST OF R SE ON SOUTH SIDE AND 500' EAST OF R SE
3	1	W1-5L	WINDING RD LEFT	30"	30"	High Intensity		Wood	4" x 4"	250' WEST OF R SE ON THE SOUTH SIDE
4	1	W13 -1	35 MPH ADVISORY	18	18	High Intensity		Wood	4" x 4"	MOUNT BELOW SIGN NO. 3
5	1	W11-10	TRUCK CROSSING	30"	30"	High Intensity		Wood	4" x 4"	500' WEST OF R SE ON THE SOUTH SIDE
6	1	W1-5L	WINDING RD LEFT	30"	30"	High Intensity		Wood	4" x 4"	250' WEST OF R SE ON THE SOUTH SIDE
7	2	R1-1	Stop	36"	36"	High Intensity		Wood	4" x 6"	NORTH AND SOTH OF 6 SE
8	2	D-3	R SE	24"	8"	High Intensity	6" C			ON TOP OF SIGN NO. 7 NORTH SIDE
9	2	D-3	6 SE	24"	8"	High Intensity	6" C			ON TOP OF SIGN NO. 7 NORTH SIDE
10	1	W11-10	TRUCK CROSSING	30"	24"	High Intensity		Wood	4" x 4"	300' EAST OF R SE ON NORTH SIDE
11	2	S3-1	School Bus Stop Ahead	30"	30"	High Intensity		Wood	4" x 4"	1950' EAST OF R SE AND 2800' WEST OF S SE
12	1	W1-5L	WINDING RD LEFT	30"	30"	High Intensity		Wood	4" x 4"	1000' WEST OF S SE ON NORTH SIDE
13	1	W3-1A	Stop Ahead Symbol	36"	36"	High Intensity		Wood	4" x 4"	250' WEST OF S SE ON THE SOUTH SIDE
14	1	R1-1	Stop	36"	36"	High Intensity		Wood	4" x 6"	40' WEST OF S SE ON SOUTH SIDE
15	2	D-3	6 SE	24"	8"	High Intensity				ON TOP OF SIGN NO. 14
16	2	D-3	S SE	24"	8"	High Intensity				ON TOP OF SIGN NO. 14
17	1	R1-1	Stop	36"	36"	High Intensity		Wood	4" x 6"	40' EAST OF S SE ON THE NORTH SIDE
18	2	D-3	6 SE	24"	8"	High Intensity	6" C			ON TOP OF SIGN NO. 17
19	2	D-3	S SE	24"	8"	High Intensity	6" C			ON TOP OF SIGN NO. 17
20	1	W3-1A	Stop Ahead Symbol	36"	30"	High Intensity		Wood	4" x 4"	250' EAST OF S SE FROM STOP SIGN
21	2	W10-1	RXR CROSSINGS	36"	30"	High Intensity		Wood	4" x 4"	250' EAST AND WEST OF TRACKS
22	1	W3-1A	Stop Ahead Symbol	36"	36"	High Intensity		Wood	4" x 4"	250' WEST OF U SE
23	1	R1-1	Stop	36"	36"	High Intensity		Wood	4" x 6"	40' WEST OF U SE ON THE SOUTH SIDE
24	2	D-3	U SE	24"	8"	High Intensity	6" C	Wood		ON TOP OF SIGN NO. 23
25	2	D-3	6 SE	24"	8"	High Intensity	6" C	Wood		ON TOP OF SIGN NO. 23

**Construction Notes:**

For Code References and Standard Details See Washington State Sign Fabrication Manual.  
 Street Identification Signs shall have 1 inch field borders on the top and bottom and 2 inch field side borders.  
 All letters shall be High Intensity Prismatic.  
 4" x 6" Posts shall be drilled per WSDOT Standard Plan G-22.10-00 "Timber Sign Support".  
 Sign locations will be staked in the field by the Engineer.  
 \* The sign length shall be made as long as necessary to accommodate the message, 24" minimum size.

D3 Message (Typical)

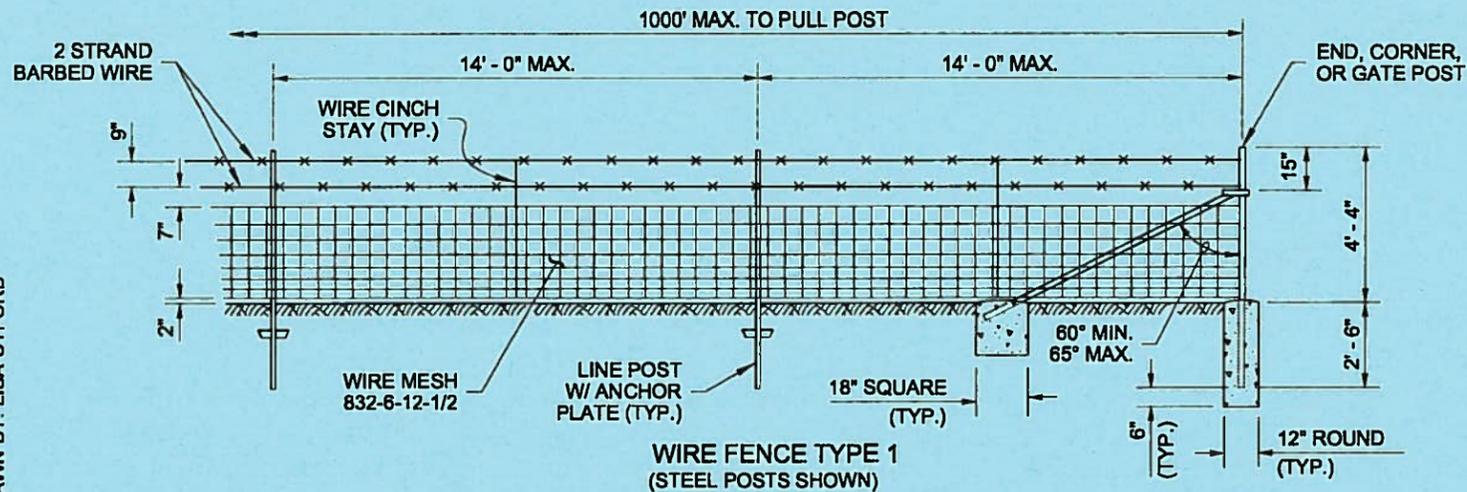


Advance ID (Typical)

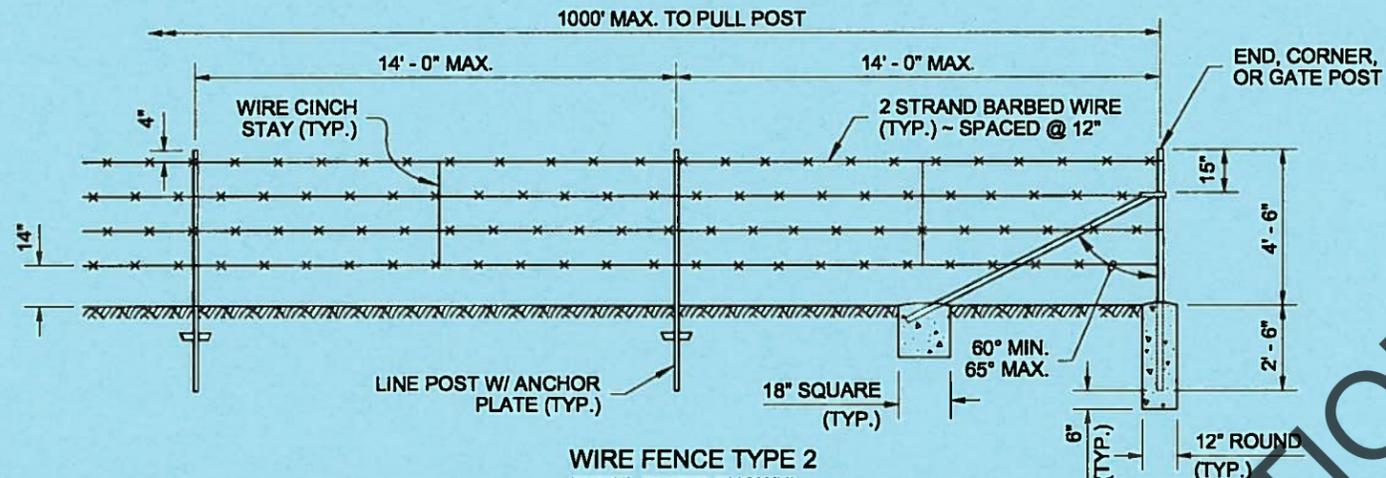




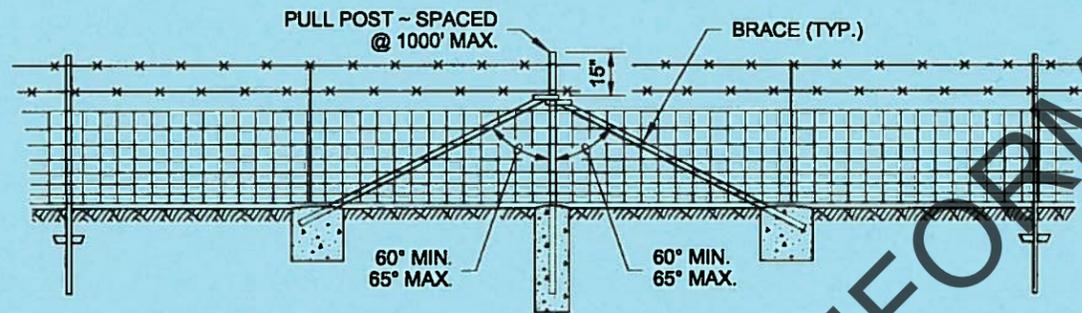
DRAWN BY: LISA CYFORD



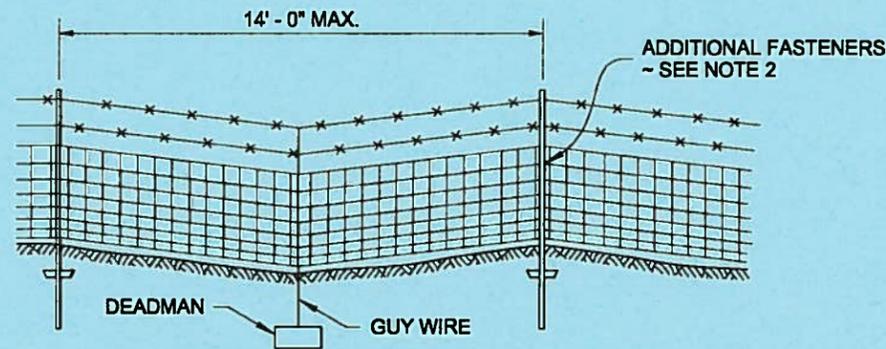
WIRE FENCE TYPE 1  
(STEEL POSTS SHOWN)



WIRE FENCE TYPE 2  
(STEEL POSTS SHOWN)



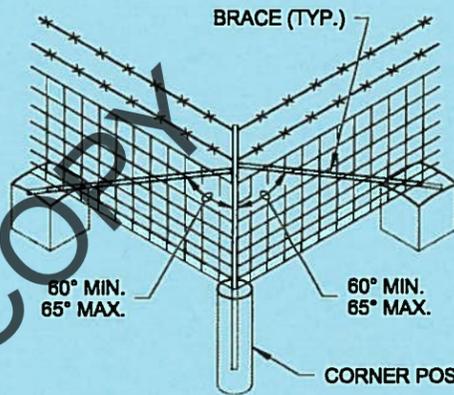
INTERMEDIATE BRACING/PULL POST  
(SHOWN FOR WIRE FENCE TYPE 1)



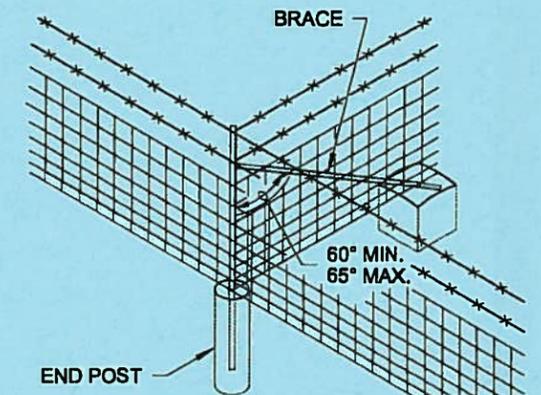
GRADE DEPRESSION (SAG) DETAIL  
(STEEL POSTS SHOWN)

NOTES

1. The bracing and pull post details for Wire Fence Type 2 are the same as for Type 1.
2. Attach the wire mesh to the posts using four fasteners. Three additional fasteners per post are required within and at the limits of sag conditions. Use additional fasteners on posts that mark the angle point of any sudden change in topography.
3. See Standard Specification 9-16.2(1) for wood post sizes. Wood anchors (for wood posts) shall be 2 x 4 lumber, 12" long minimum, and fastened with three 16d galvanized nails.

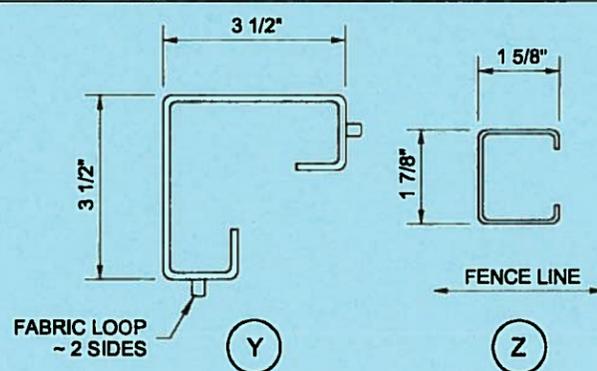


CORNER BRACING  
(SHOWN FOR WIRE FENCE TYPE 1)

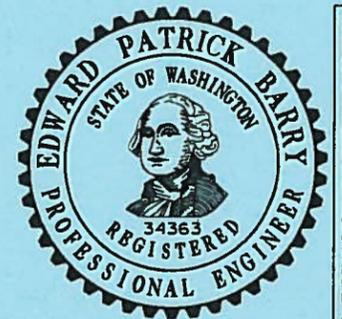


INTERSECTION BRACING  
(SHOWN FOR WIRE FENCE TYPE 1)

STEEL POSTS AND BRACES



POST SPECIFICATIONS				
POST	PIPE	ROLL FORMED		T-POST
	NOM. SIZE (SCH. 40) I.D.	SECTION	WEIGHT (lb/ft)	WEIGHT (lb/ft)
END, CORNER, OR PULL POST	2" DIAM.	(Y)	5.10	
LINE OR BRACE POST	2" DIAM.	(Z)	1.85	1.33



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WIRE FENCE TYPES 1 & 2  
AND WIRE GATES

STANDARD PLAN L-10.10-02

SHEET 1 OF 2 SHEETS

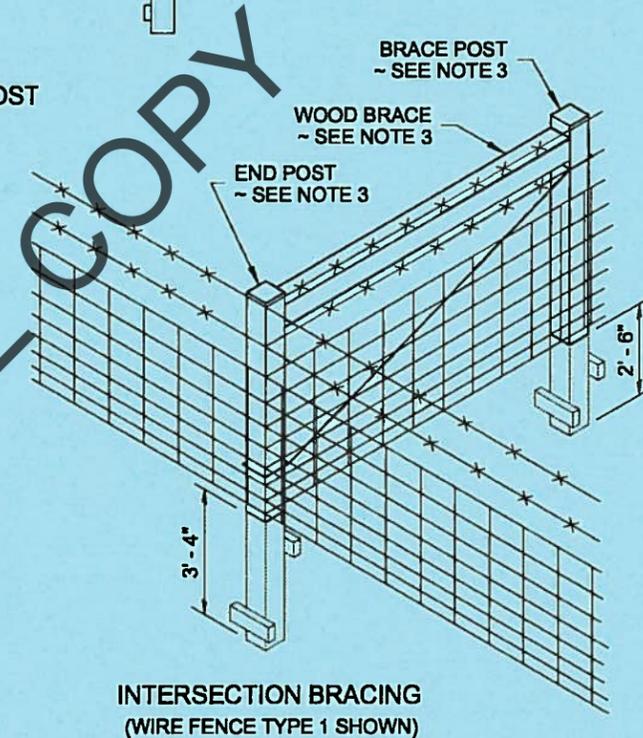
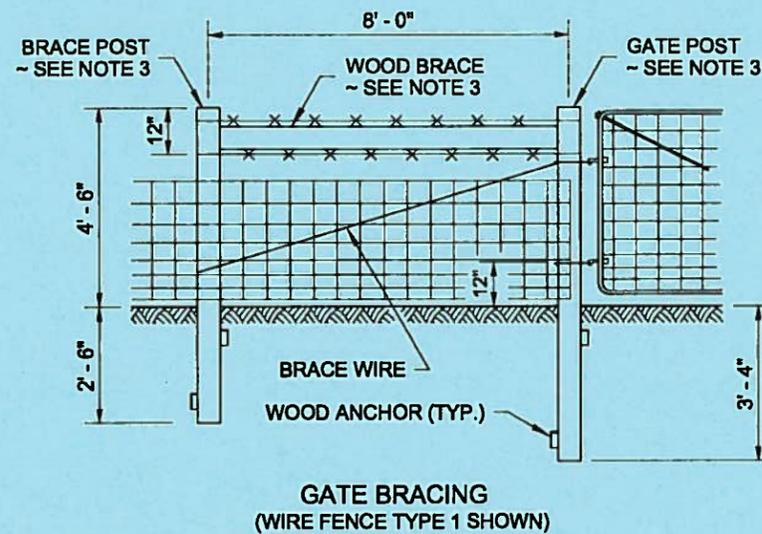
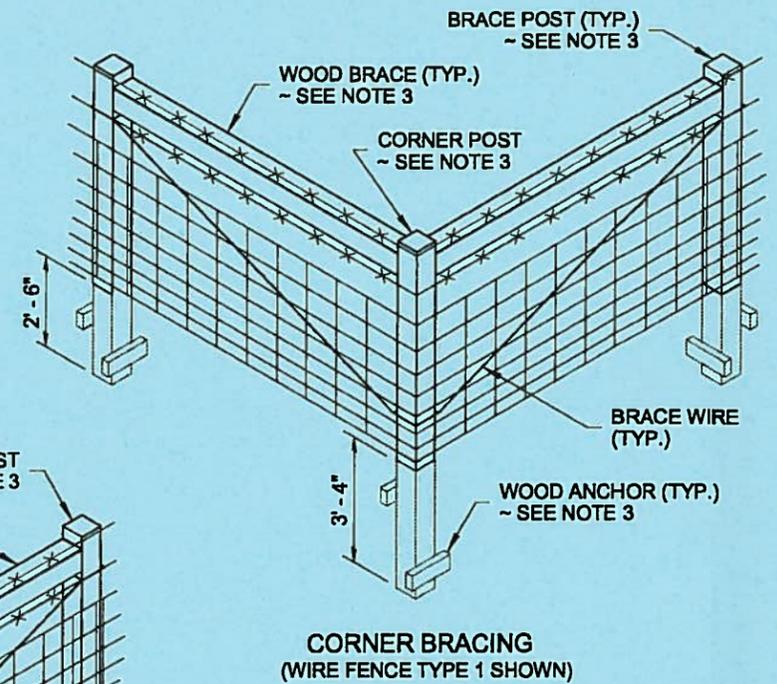
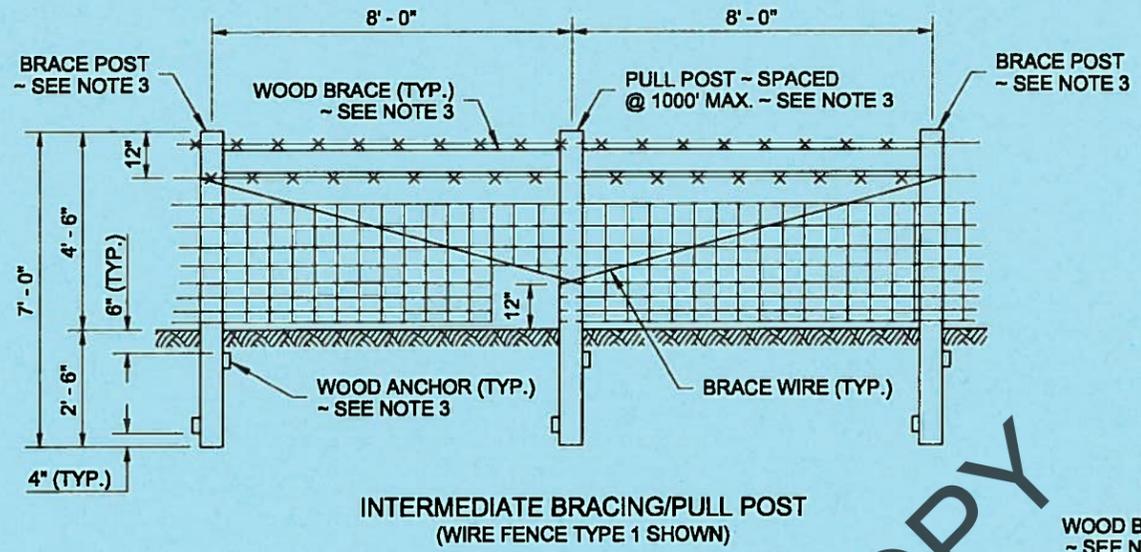
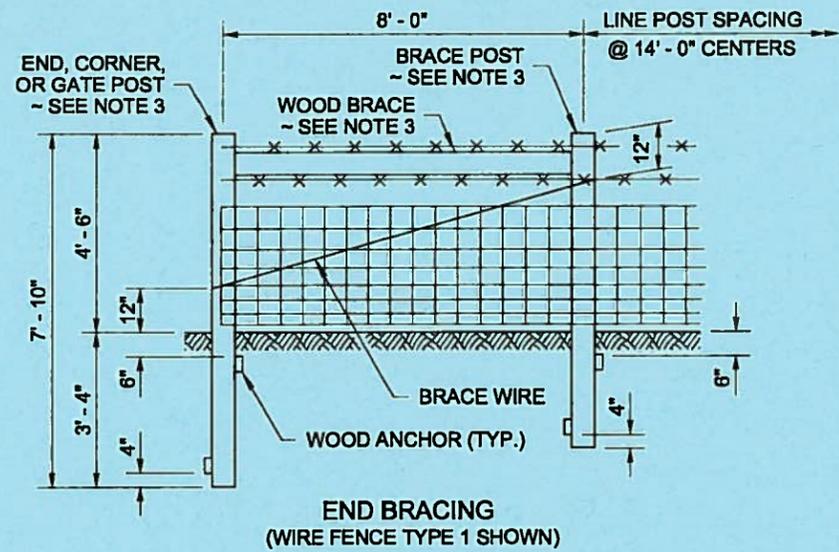
APPROVED FOR PUBLICATION

Pasco Bakotich III 06/21/12

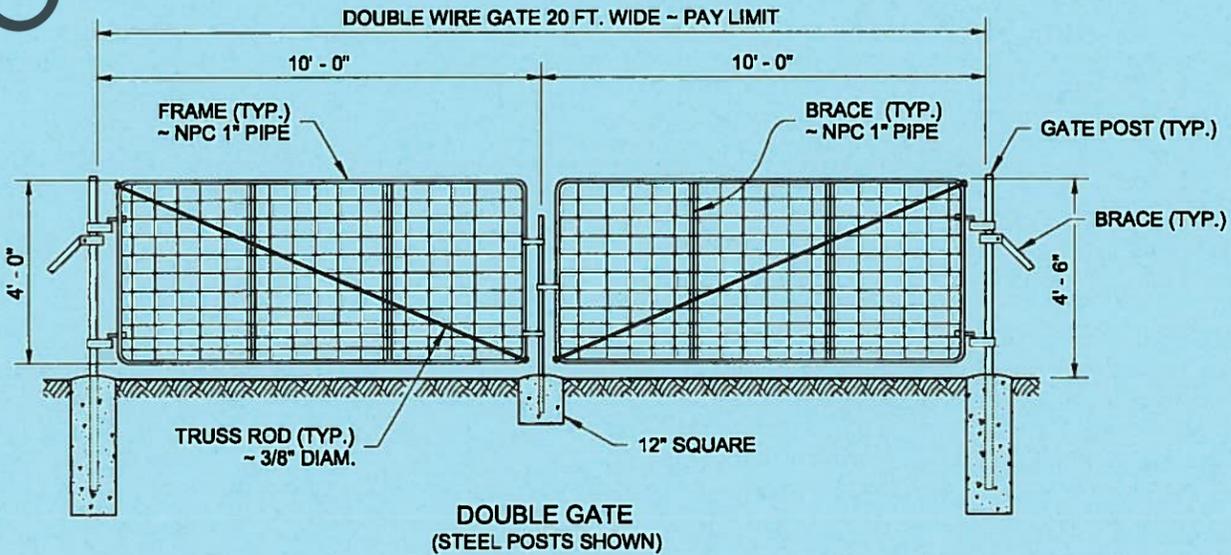
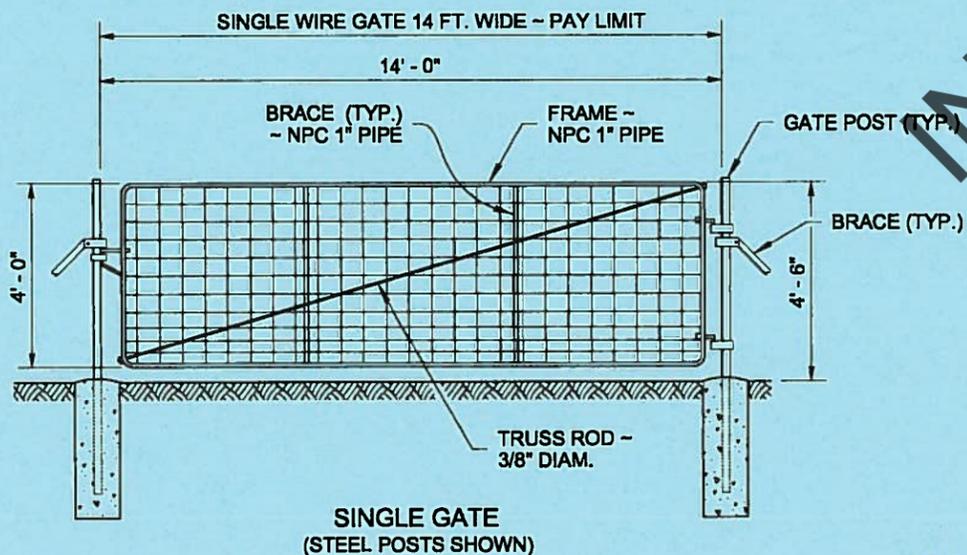
STATE DESIGN ENGINEER DATE

Washington State Department of Transportation

DRAWN BY: LISA CYFORD

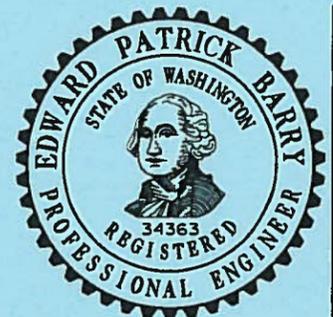


**WOOD POSTS AND BRACES**



**GATES**

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**WIRE FENCE TYPES 1 & 2  
AND WIRE GATES**  
**STANDARD PLAN L-10.10-02**

SHEET 2 OF 2 SHEETS

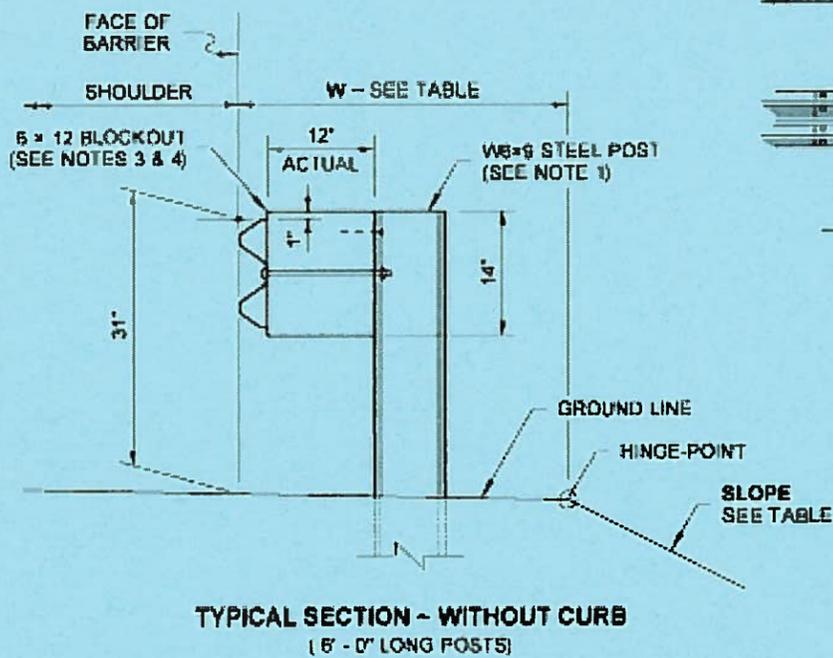
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**Pasco Bakotich III** 06/21/12

STATE DESIGN ENGINEER DATE

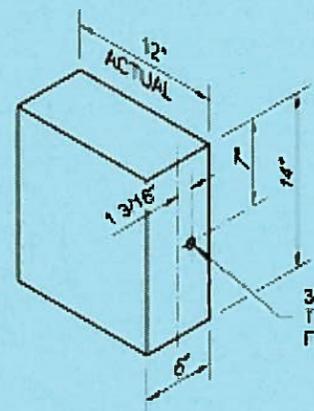


DRAWN BY: FERN LIDDELL

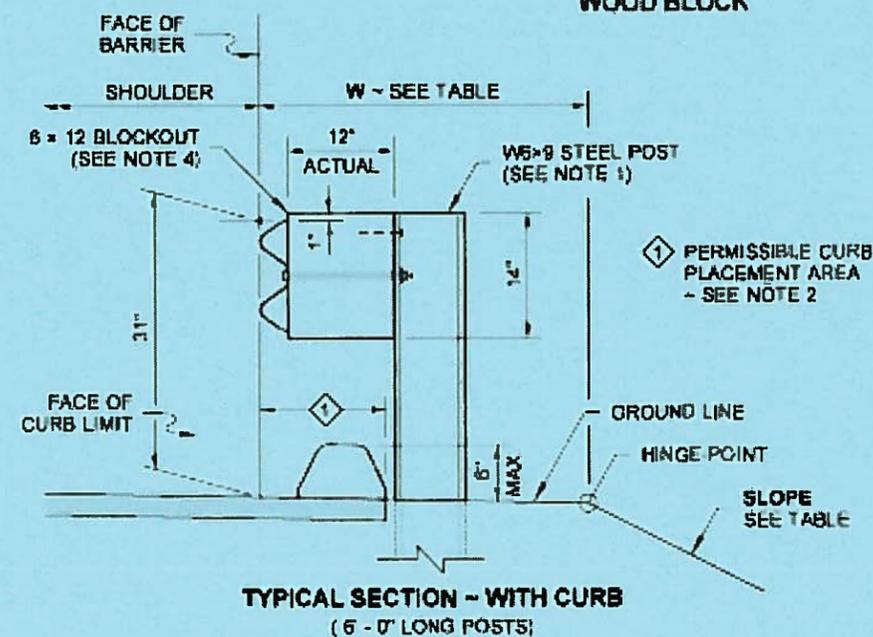


TYPICAL SECTION - WITHOUT CURB  
(6' - 0" LONG POSTS)

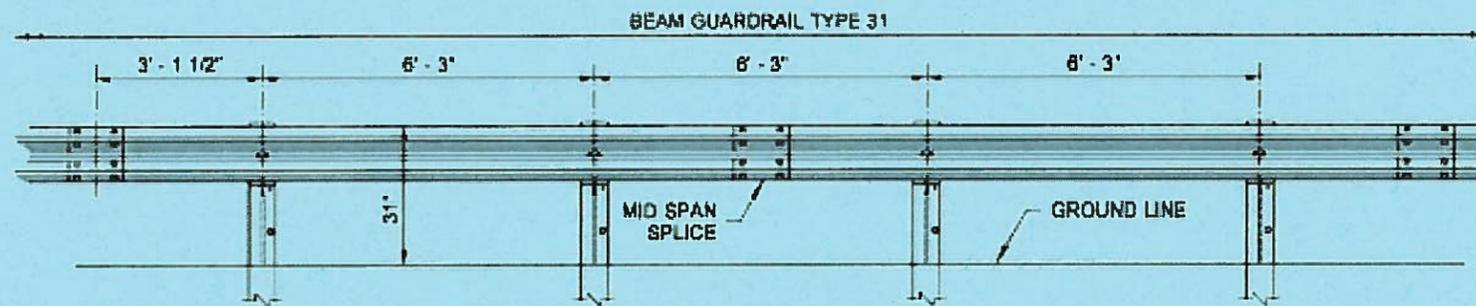
SLOPE \ EMBANKMENT TABLE	
SLOPE	W
2H : 1V OR FLATTER	2.5' MIN.
STEEPER THAN 2H : 1V BUT NOT STEEPER THAN 1H : 1V	4.0' MIN.



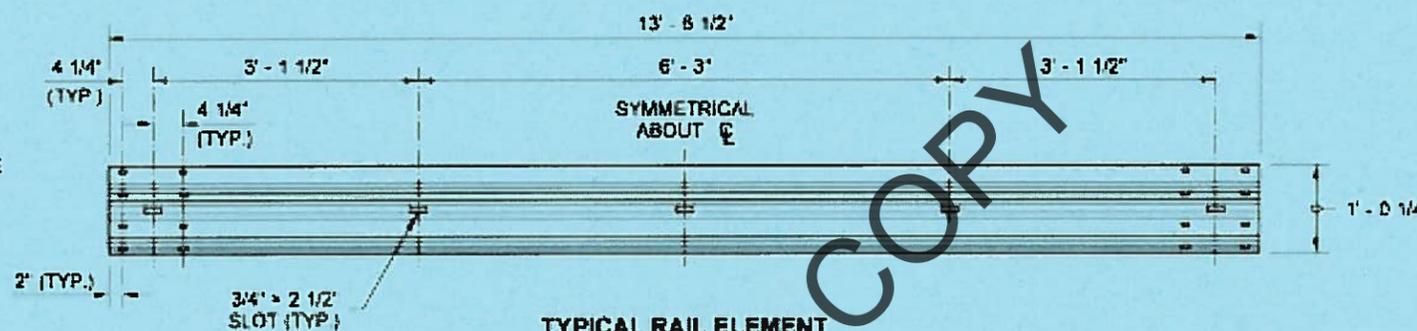
WOOD BLOCK



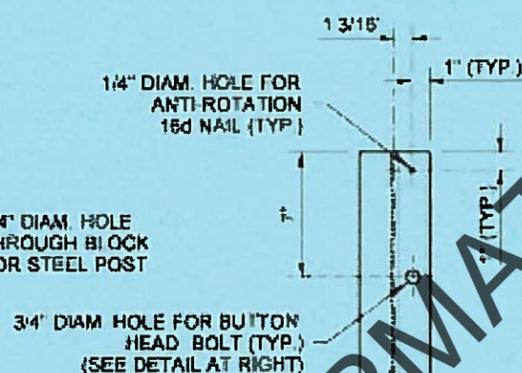
TYPICAL SECTION - WITH CURB  
(6' - 0" LONG POSTS)



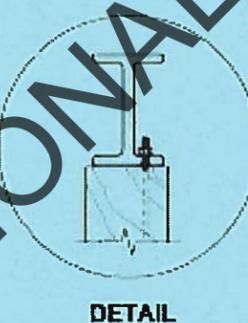
TYPICAL ELEVATION



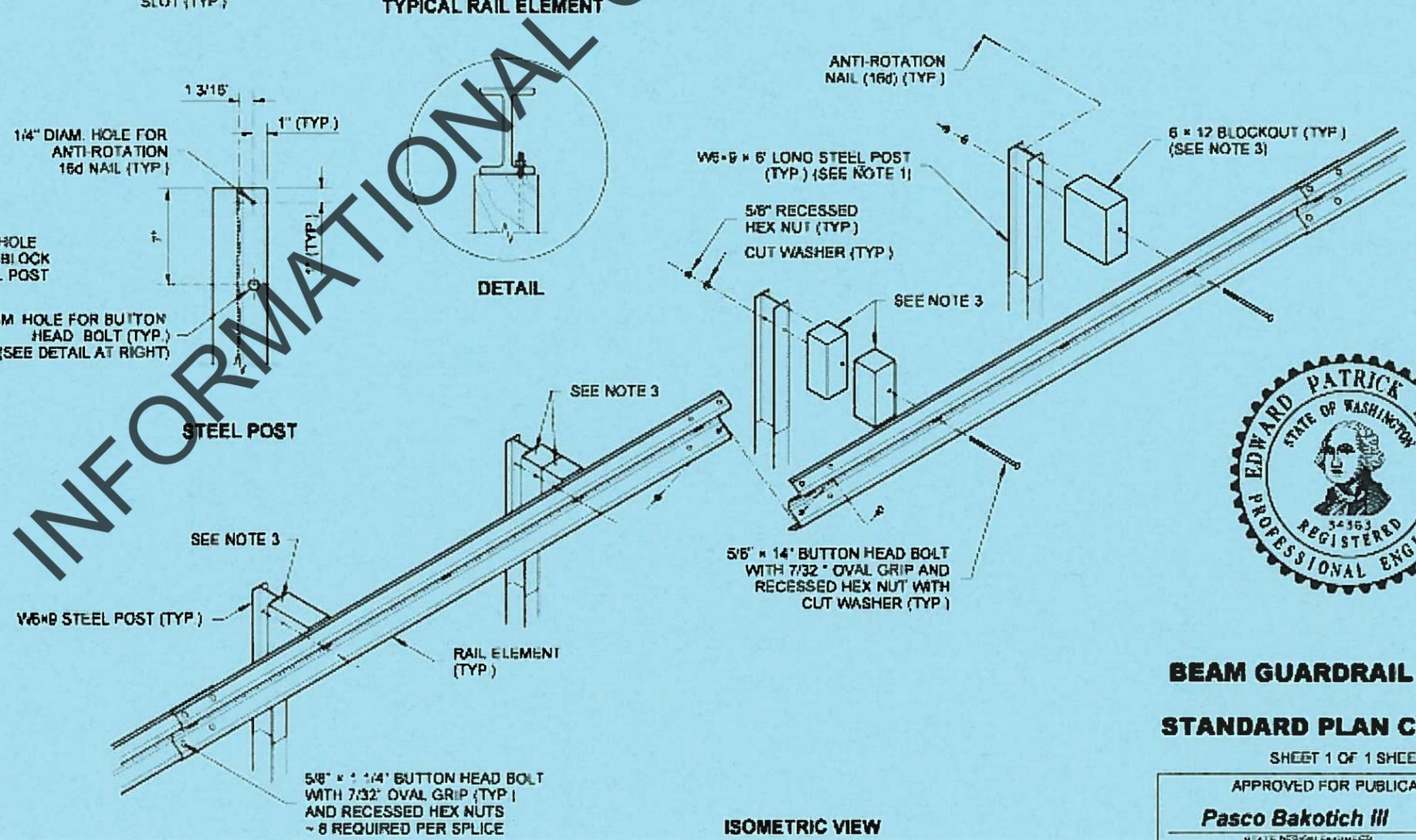
TYPICAL RAIL ELEMENT



STEEL POST



DETAIL



ISOMETRIC VIEW

NOTES

1. Refer to Standard Plan C-1 and C-1b for additional details not shown on this plan.
2. Extend shoulder pavement to provide a base for the extruded curb. See Contract Plans for exceptions to distances shown.
3. Use a single combination of blocks (no more than 2) to achieve the actual 12" offset. See Standard Specification 9-16.3(2). Wood blocks shall be toenailed to post and blocks, (if block combinations are utilized) with a 16d galvanized nail to prevent block rotation.
4. Wood blocks are shown. Blocks of an approved alternative material may be used. See Standard Specification 9-16.3(2).



THIS SEAL IS VALID ONLY WHEN USED IN CONNECTION WITH THE PROFESSIONAL ENGINEER'S SEAL AND THE PROFESSIONAL ENGINEER'S SIGNATURE AND IS NOT VALID FOR ANY OTHER PURPOSE. THE SEAL IS THE PROPERTY OF THE STATE OF WASHINGTON AND SHALL BE RETURNED TO THE STATE UPON REQUEST.

BEAM GUARDRAIL TYPE 31

STANDARD PLAN C-20.10-00

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

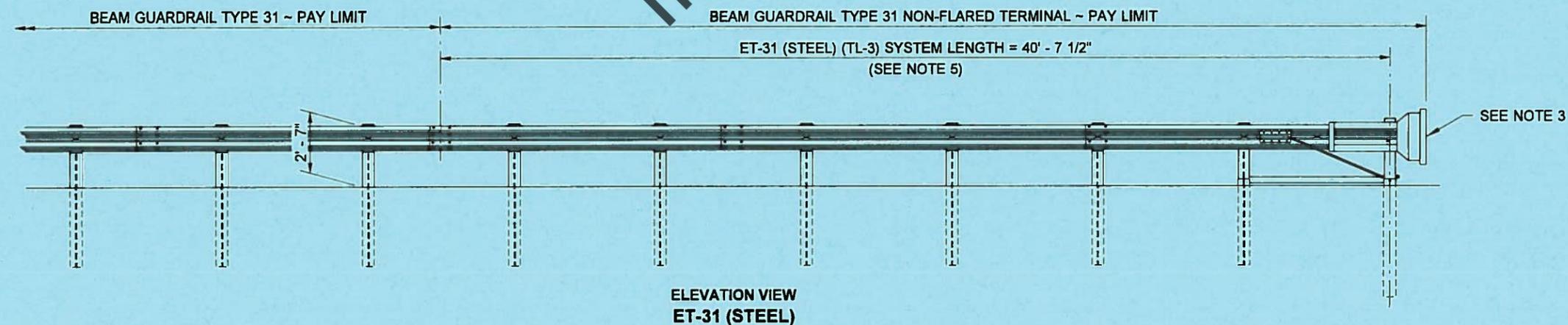
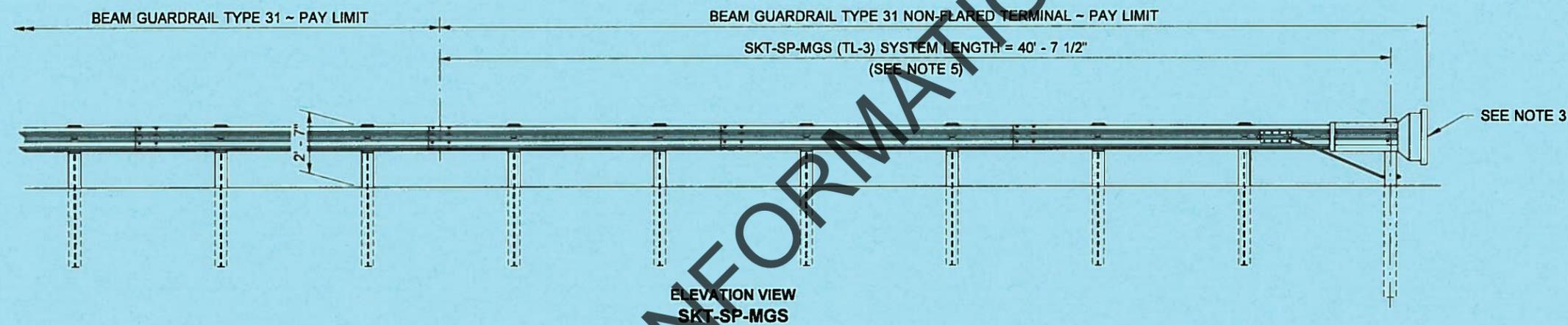
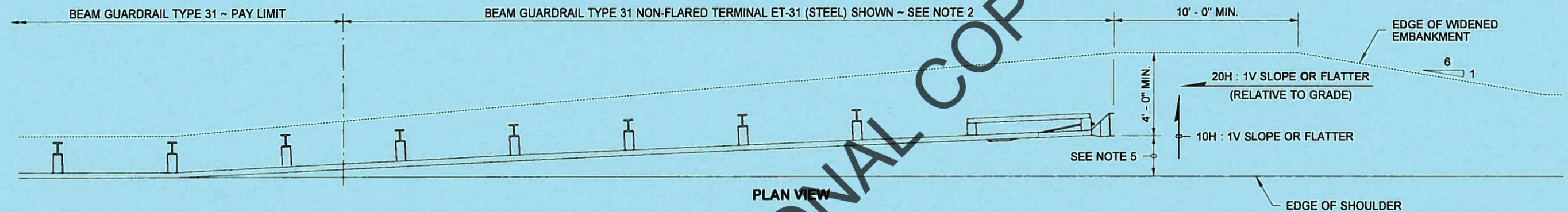
Pasco Bakotich III

07/2/12

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

**NOTES**

1. These terminals are FHWA accepted at Test Level Three (TL-3) and may be used for all posted speeds.
2. An ET-31 (Steel) as manufactured by Trinity Industries, Inc. or an SKT-SP-MGS as manufactured by Road Systems Inc. shall be installed according to manufacturer's recommendations.
3. A reflectorized object marker shall be installed according to manufacturer's recommendations.
4. When snow load post washers and snow load rail washers are required by the contract, the snow load rail washers shall not be installed within the terminal limits.
5. Terminal shall be installed at a widening, ensuring that the end piece is entirely off the shoulder. While these terminals do not require an offset at the end, a flare is recommended. A maximum flare of 25 : 1, or flatter over the length of the terminal is allowed for either the ET-31 (Steel) or the SKT-SP-MGS, with a maximum offset of 24" (in.) over 50' (ft.).
6. For Terminal details, see WSDOT approved manufacturer's drawings.



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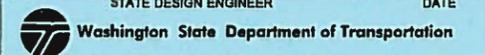
**BEAM GUARDRAIL TYPE 31  
NON-FLARED TERMINAL  
STEEL POSTS  
(ALL POSTED SPEEDS)  
STANDARD PLAN C-22.40-02**

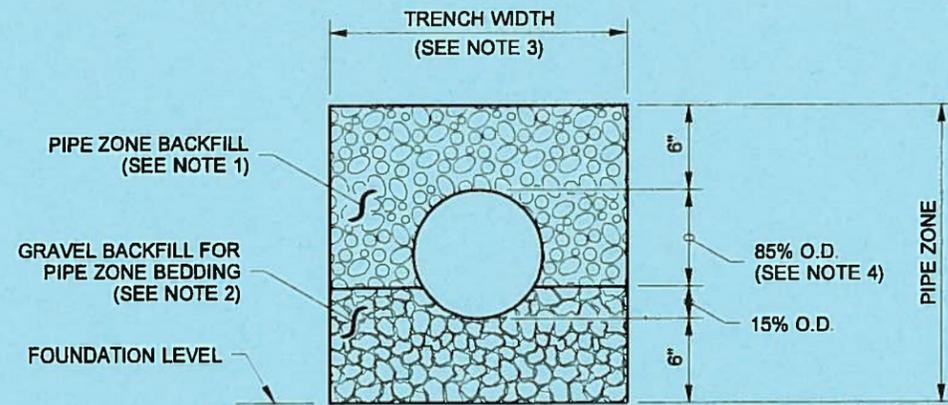
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

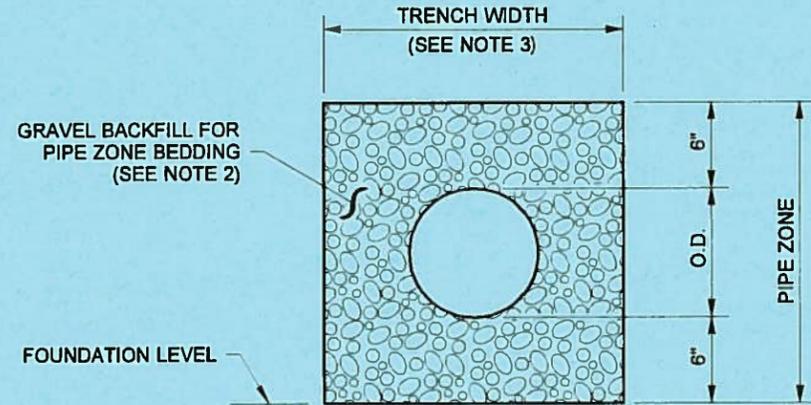
**Pasco Bakotich III** 06-16-10

STATE DESIGN ENGINEER DATE

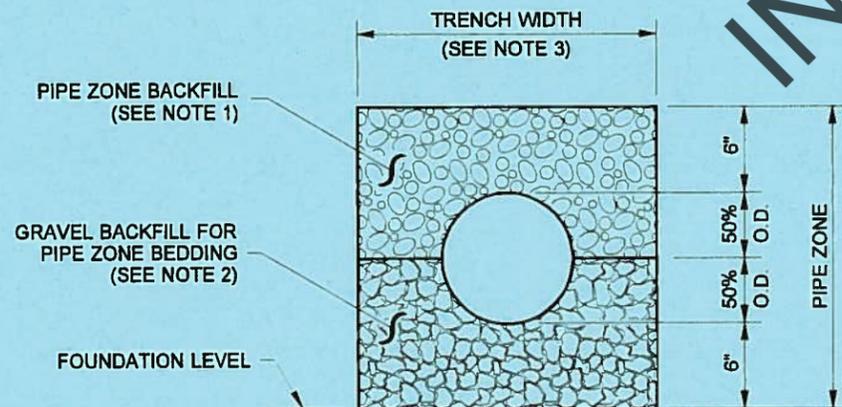




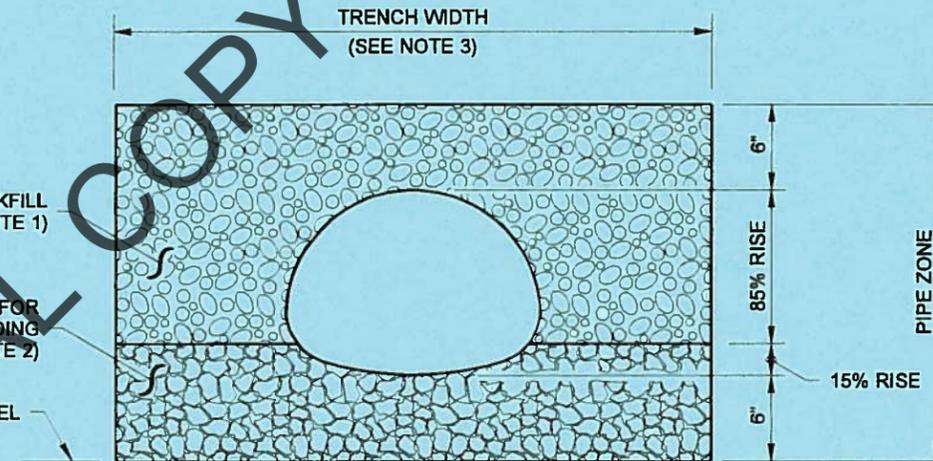
**CONCRETE AND DUCTILE IRON PIPE**



**THERMOPLASTIC PIPE**



**METAL PIPE**



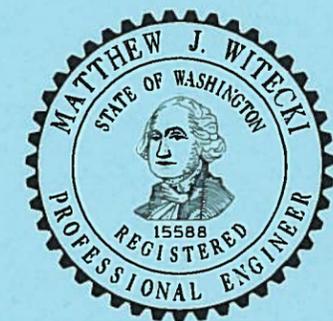
**PIPE ARCHES**

**NOTES**

1. See Standard Specifications Section 7-08.3(3) for Pipe Zone Backfill.
2. See Standard Specifications Section 9-03.12(3) for Gravel Backfill for Pipe Zone Bedding.
3. See Standard Specifications Section 2-09.4 for Measurement of Trench Width.
4. For sanitary sewer installation, concrete pipe shall be bedded to spring line.

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CLEARANCE BETWEEN PIPES FOR MULTIPLE INSTALLATIONS		
PIPE	SIZE	MINIMUM DISTANCE BETWEEN BARRELS
CIRCULAR PIPE (DIAMETER)	12" to 24"	12"
	30" to 96"	DIAM. /2
	102" to 180"	48"
PIPE ARCH (SPAN) METAL ONLY	18" to 36"	12"
	43" to 142"	SPAN /3
	148" to 200"	48"



NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

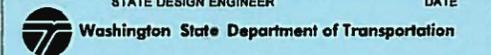
**PIPE ZONE BEDDING AND BACKFILL**  
**STANDARD PLAN B-55.20-00**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

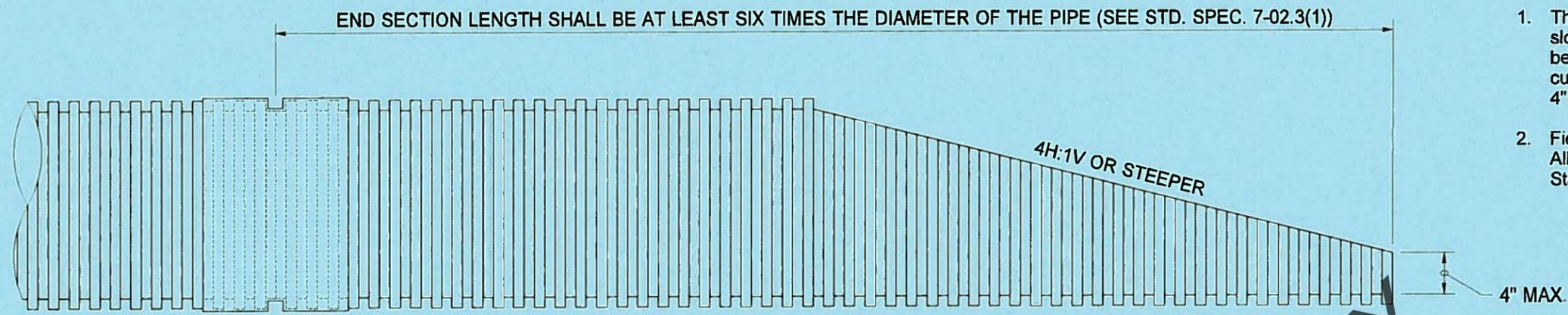
**Harold J. Peterfeso** 06-01-06

STATE DESIGN ENGINEER DATE

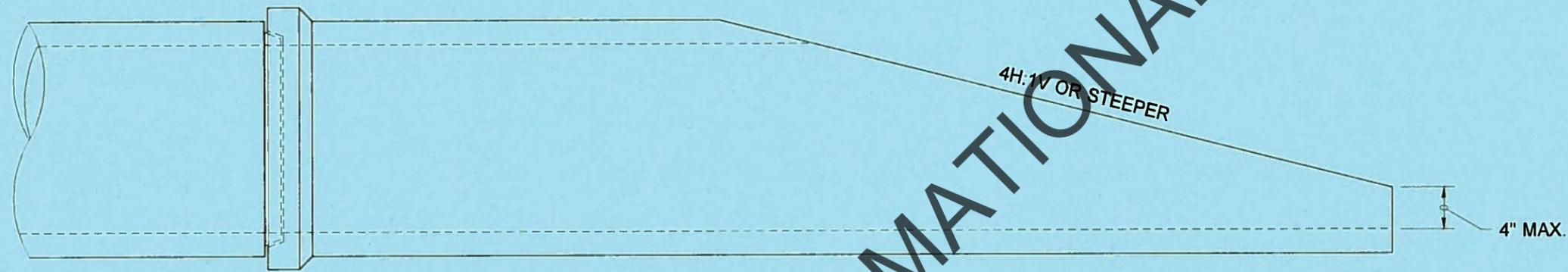


**NOTES**

1. The culvert ends shall be beveled to match the embankment or ditch slope and shall not be beveled flatter than 4H:1V. When slopes are between 4H:1V and 6H:1V, shape the slope in the vicinity of the culvert end to ensure that no part of the culvert protrudes more than 4" above the ground line.
2. Field cutting of culvert ends is permitted when approved by the Engineer. All field-cut culvert pipe shall be treated with treatment as shown in the Standard Specifications or General Special Provisions.



**THERMOPLASTIC PIPE**

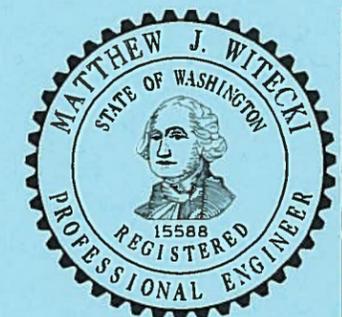


**CONCRETE PIPE**



**METAL PIPE**

**FOR CULVERTS 30" DIAMETER OR LESS**



EXPIRES JULY 1, 2007

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

**BEVELED END SECTIONS**

**STANDARD PLAN B-70.20-00**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

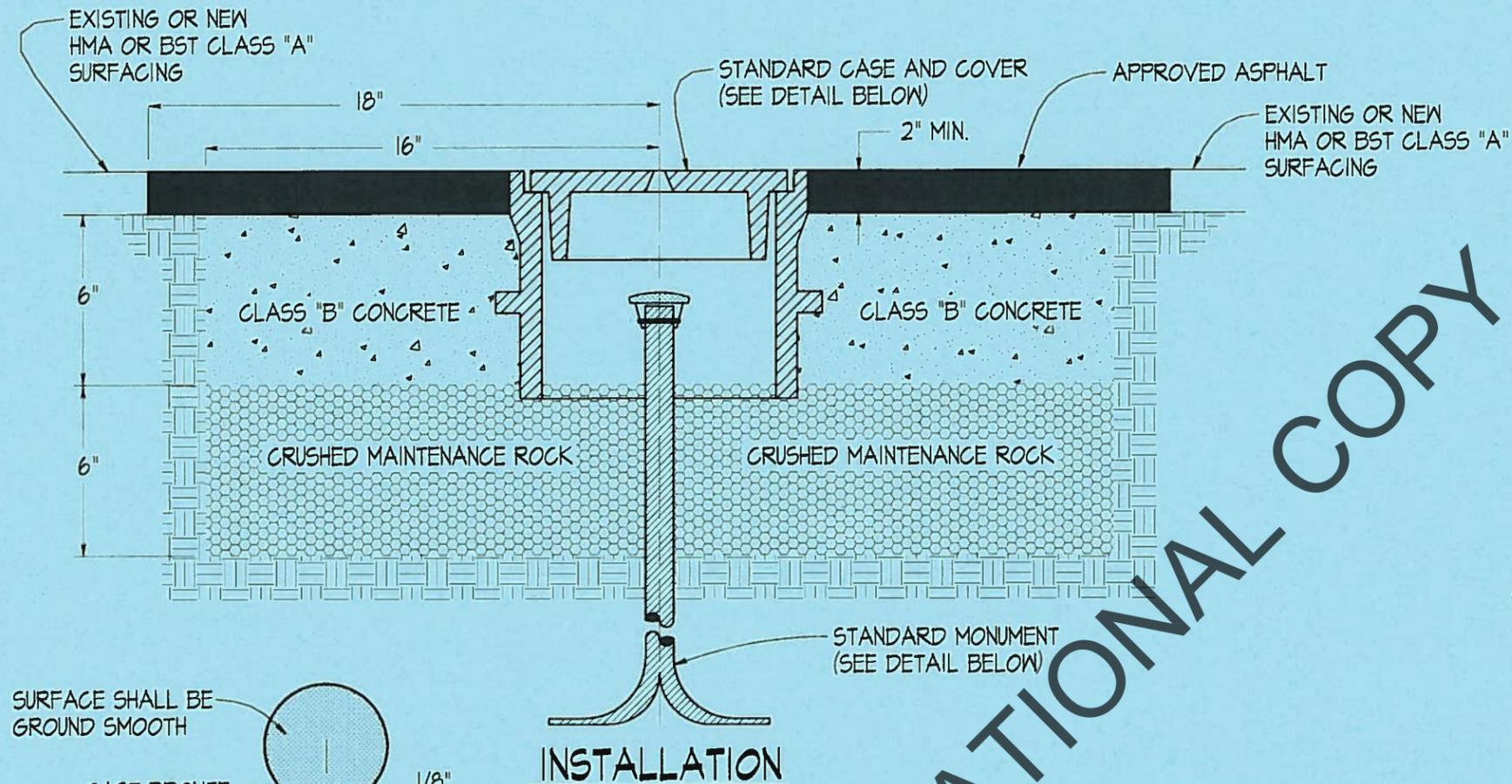
**Harold J. Peterfeso** 06-01-06

STATE DESIGN ENGINEER DATE

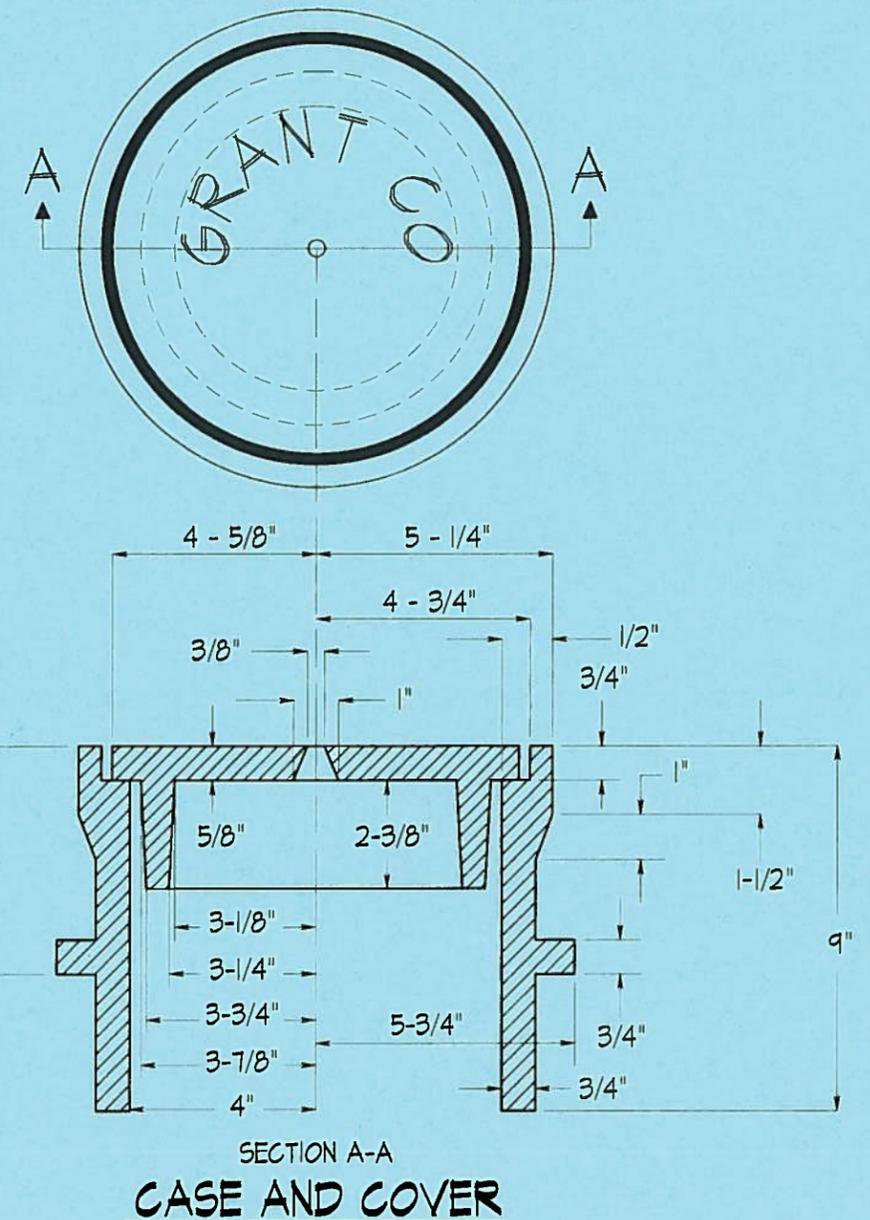
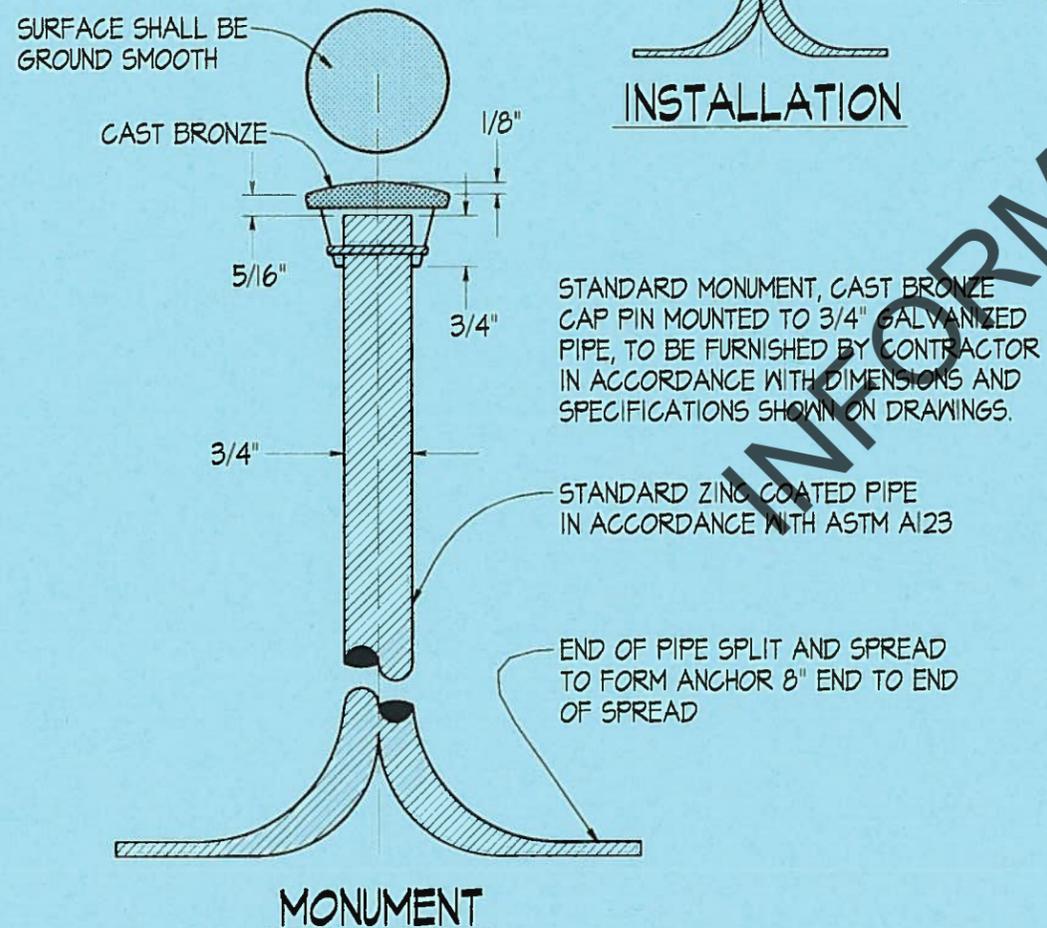


Washington State Department of Transportation

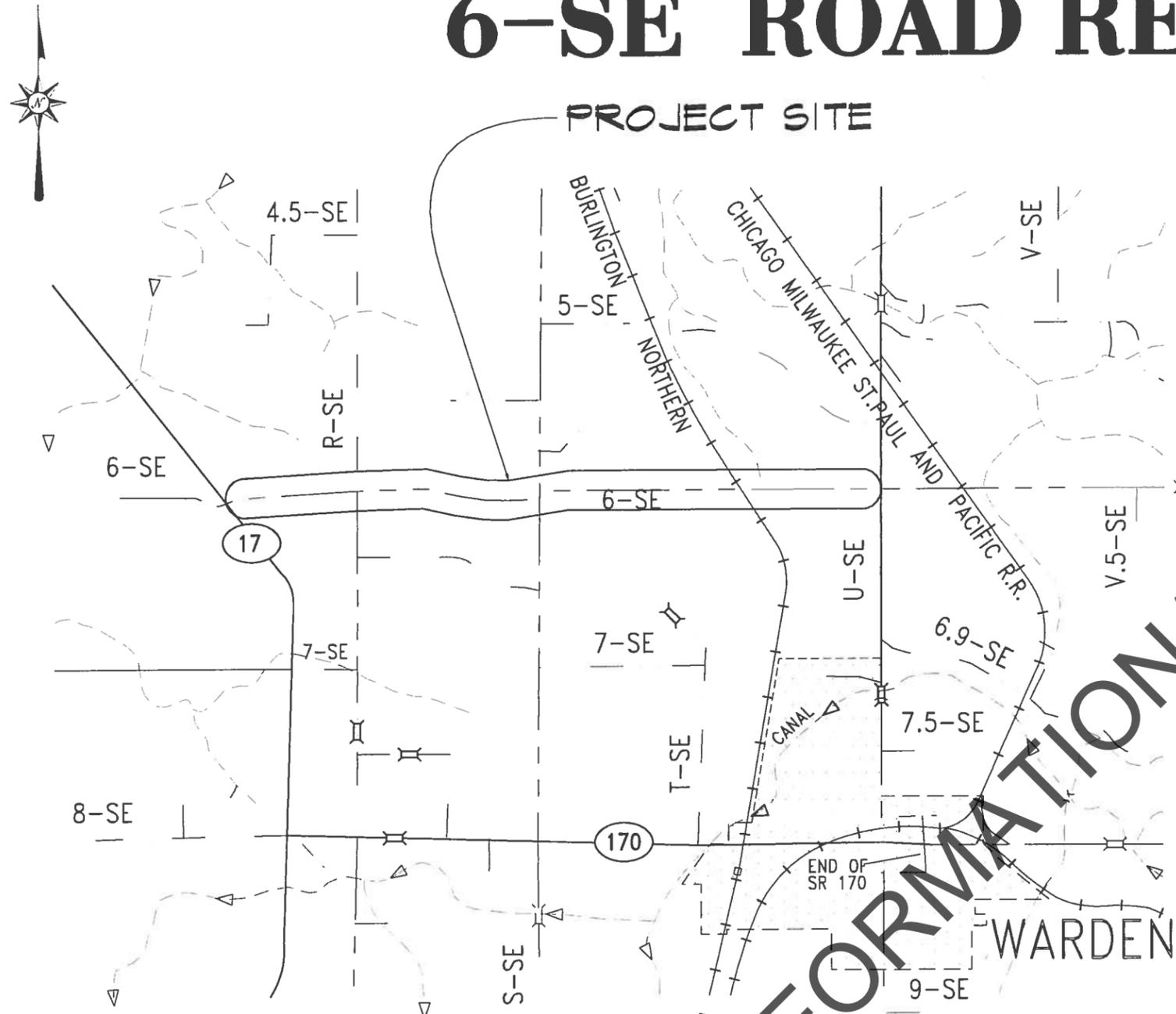
# TYPICAL MONUMENT, CASE AND COVER DETAILS AND INSTALLATION



NOTES:  
COVER AND SEAT SHALL BE MACHINED SO AS TO HAVE PERFECT CONTACT AROUND THE ENTIRE CIRCUMFERENCE AND FULL WIDTH OF BEARING SURFACE.  
SPECIFICATIONS:  
MATERIAL - CAST IRON BODY AS PER ASTM. A48 CL. 40  
APPROX. WEIGHT - BODY - 60LBS. COVER 20 LBS.



# 6-SE ROAD RECONSTRUCTION



SHEET	DESCRIPTION
1	INDEX & VICINITY MAP
2	SUMMARY OF QUANTITIES
3-5	STRUCTURE NOTES
6-19	PLAN & PROFILE
20, 21	TYPICAL X-SECTIONS

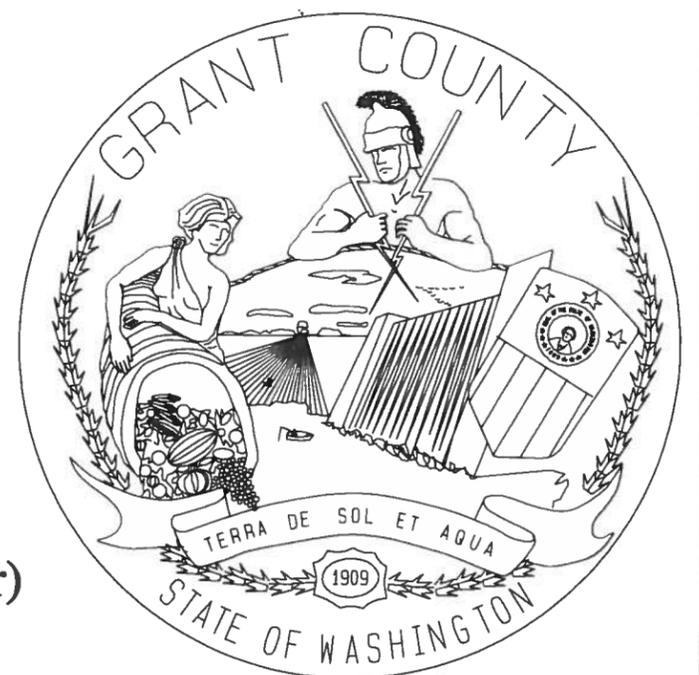
INFORMATIONAL COPY

## LEGEND

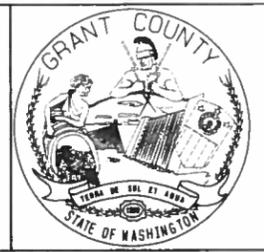
- |  |                |  |                |  |            |
|--|----------------|--|----------------|--|------------|
|  | POWER POLE     |  | CONTROL POINT  |  | CUT LINE   |
|  | TELEPHONE PED. |  | MAILBOX        |  | FILL LINE  |
|  | FENCE LINE     |  | TELEPHONE LINE |  | WATER LINE |
|  | CULVERT        |  | RIGHT OF WAY   |  | CENTERLINE |

**Grant County  
Board Of Commissioners**

**Richard Stevens, District No. 1  
Carol Ann Swartz, District No. 2  
Cindy Carter, District No. 3 (Chair)**



**GRANT COUNTY PUBLIC WORKS DEPARTMENT**  
124 ENTERPRISE ST. SE  
EPHRATA, WASHINGTON 98823  
(509) 754-6082 FAX (509) 754-6087



**6-SE ROAD RECONSTRUCTION**

CRP 10-07

DESIGNED BY:	BOB BERSANTI
DRAWN BY:	BOB BERSANTI
CHECKED BY:	DEREK POHLE
REVISIONS BY:	
DATE REVISED:	
FEDERAL AID NO.:	



SHEET 1  
OF 21

# SUMMARY OF QUANTITIES

ITEM NO.	TOTAL QUANTITY	UNIT	ITEM DESCRIPTION
<b>PREPARATION</b>			
1	100%	L.S.	Mobilization
2	100%	L.S.	Notification
3	100%	L.S.	Clearing and Grubbing
<b>GRADING</b>			
4	49,106	S.Y.	Rotomilling Bituminous Pavement
5	13,218	C.Y.	Roadway Excavation Including Haul
6	18,560	C.Y.	Embankment Compaction
7	11,000	C.Y.	Borrow Excavation Inc. Haul
<b>DRAINAGE</b>			
8	470	L.F.	Plain Steel Culvert Pipe 0.064 In. Thick- 12In. Diameter
9	240	L.F.	Plain Steel Culvert Pipe 0.064 In. Thick- 18In. Diameter
<b>SURFACING</b>			
10	29,000	TONS	Crushed Surfacing Base Course From Stockpile
11	18,560	TONS	Maintenance Rock From Stockpile
<b>HOT MIX ASPHALT</b>			
12	220	TONS	Commercial HMA Class 1/2" Incl. PG64-28 Paving Asphalt
<b>TRAFFIC</b>			
13	143	L.F.	Beam Guard Rail Type 31
14	2	EACH	Beam Guard Rail Type 31 - Non-Flared Terminal
15	9,169	L.F.	Painted Skip Centerline
16	4,599	L.F.	Painted Skip Centerline With No Pass
17	6,086	L.F.	Painted Double Yellow Centerline
18	39,600	L.F.	Painted Edge Line - White
19	73	EACH	Flexible Guide Post
20	100%	L.S.	Permanent Signing
<b>OTHER ITEMS</b>			
21	60	C.Y.	Structure Excavation Class B Incl. Haul
22	60	L.S.	Gravel Backfill for Pipe Zone Bedding
23	6	EACH	Monument
24	100%	L.S.	Trimming and Cleanup
25	8	ACRES	Seeding, Fertilizing, and Mulching With Arid Area Mix A or B
26	1,600	L.F.	Wire Fence Type 2
27	\$2,000	DOL.	Force Account - Replace Existing Irrigation Pipe and Risers
28	CALC.	CALC.	Minor Changes

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NOTE: For Special Features See Special Provisions.

**GRANT COUNTY PUBLIC WORKS DEPARTMENT**

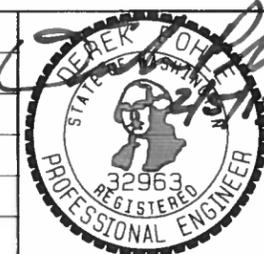
124 ENTERPRISE ST. SE  
 EPHRATA, WASHINGTON 98823  
 (509) 754-6082 FAX (509) 754-6087



**6-SE ROAD RECONSTRUCTION**

CRP 10-07

DESIGNED BY: BOB BERSANTI  
 DRAWN BY: BOB BERSANTI  
 CHECKED BY: DEREK POHLE  
 REVISIONS BY:  
 DATE REVISED:  
 FEDERAL AID NO.:



SHEET 2  
 OF 21

# STRUCTURE NOTES

NOTE: THE FIRST NUMBER OF THE "CODE" REFERS TO THE PLAN SHEET NUMBER OF THE CONTRACT PLANS. THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THE PARTICULAR SHEET.

CODE	LOCATION	R/L	ELEV.	MISC.	L.F.	L.F.	C.Y.	C.Y.	TONS	TONS	C.Y.	C.Y.	EACH	REMARKS
6-1	STA. 17+00 TO 17+20	R	PLAN	R					2					6
6-2	STA. 18+60 TO 18+80	R	PLAN	R					2					6
6-3	STA. 19+90 TO 20+10	R	PLAN	R					2					6
6-4	STA. 19+90 TO 20+10	L	PLAN	R					2					6
7-1	STA. 26+26.93	CL	PLAN	MON									1	5
7-2	STA. 39+70 TO 39+90	L	PLAN	L					2					6
8-1	STA. 42+90 TO 43+10	R	PLAN	R					2					6
8-2	STA. 46+70 TO 46+90	L	PLAN	R					2					6
8-3	STA. 49+00 TO 49+20	R	PLAN	R					2					6
8-4	STA. 52+40 TO 52+68	L	PLAN	ROAD					20	40	0	15		6
8-5	STA. 52+40 TO 52+68	R	PLAN	ROAD					20	40	0	15		6
8-6	STA. 52+53.61	CL	PLAN	MON									1	6
8-7	STA. 52+80	R/L	BD	CROSS		60	15	15						1,2
8-8	STA. 53+90 TO 55+50	R	PLAN	C					20					6
8-9	STA. 57+50 TO 57+70	L	PLAN	O&M					2					6
8-10	STA. 57+70 TO 57+90	R	PLAN	O&M					2					6
8-11	STA. 57+85 TO 58+05	R	PLAN	O&M					2					6
9-1	STA. 58+10 TO 58+30	R	PLAN	O&M					2					6
10-1	STA. 74+10 TO 74+30	L	PLAN	R					2					6
10-2	STA. 75+80 TO 76+00	L	PLAN	R					2					6
10-3	STA. 76+60 TO 77+00	L	PLAN	R					4					6
10-4	STA. 78+80 TO 79+00	L	PLAN	R					2					6
10-5	STA. 79+20 TO 79+40	R	PLAN	F					2					6
10-6	STA. 79+50 TO 79+70	L	PLAN	R					2					6
10-7	STA. 86+80 TO 87+00	L	PLAN	F					2					6
11-1	STA. 98+80 TO 99+00	L	PLAN	F					2					6
13-1	STA. 107+70	R/L	BD	CROSS		60	15	15						1,2
13-2	STA. 112+70 TO 112+90	R	PLAN	F					2					6
14-1	STA. 122+50 TO 122+70	R	PLAN	R					2					6
14-2	STA. 123+15	R/L	BD	CROSS		60	15	15						1,2,3
14-3	STA. 124+90 TO 125+10	L	PLAN	R					2					6
14-4	STA. 127+80 TO 128+00	L	PLAN	R					2					6
14-5	STA. 133+92.92	CL	PLAN	MON									1	5
Page Total					0	180	45	45	110	80	20	15	3	

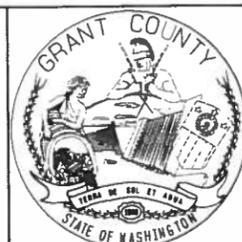
GENERAL NOTES  
Miscellaneous  
BD = Bottom of Ditch  
CP = Catch point  
CROSS = Crossing Pipe  
R = Residential  
F = Farm  
PLAN = Elevation on Plans  
MON = Monument  
O&M = O&M Road  
C = Commercial  
ROAD = County Road

- Field adjust termini as directed by the engineer.
- Install 3:1 beveled end sections per standard plans.
- Remove existing culvert and salvage to the contractor.
- Remove existing monument and case and salvage to contractor.
- Install monument and monument case per standard plans.
- Quantities for embankment and roadway excavation are included in plan quantities whether shown or not.

NOTE: For Special Features See Special Provisions.

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GRANT COUNTY PUBLIC WORKS DEPARTMENT  
124 ENTERPRISE ST. SE  
EPHRATA, WASHINGTON 98823  
(509) 754-6082 FAX (509) 754-6087



## 6-SE ROAD RECONSTRUCTION

CRP 10-07

DESIGNED BY: BOB BERSANTI  
DRAWN BY: BOB BERSANTI  
CHECKED BY: DEREK POHLE  
REVISIONS BY:  
DATE REVISED:  
FEDERAL AID NO.:



SHEET 3  
OF 21

# STRUCTURE NOTES

NOTE: THE FIRST NUMBER OF THE "CODE" REFERS TO THE PLAN SHEET NUMBER OF THE CONTRACT PLANS. THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THE PARTICULAR SHEET.

CODE	LOCATION	R/L	ELEV.	MISC.	Pi. St. Culvert Pipe 12" Dia. 0.064" Th.	Pi. St. Culvert Pipe 18" Dia. 0.064" Th.	Structure Ex. Class "B" Incl. Haul	Gravel Backfill For Pipe Zone Bedding	Crushed Maintenance Rock	Roadway Excavation	Embankment Compaction	Beam Guardrail Type 31	Beam Guardrail Non-Flared Terminal Type 31	Wire Fence Type 2	Monument	REMARKS
15-1	STA. 138+10 TO 138+30	L	PLAN	R					2							6
15-2	STA. 139+50 TO 139+70	L	PLAN	R					2							6
15-3	STA. 140+10 TO 140+30	L	PLAN	R					4							6
15-4	STA. 141+25 TO 141+65	L	PLAN	R					6							6
15-5	STA. 141+90 TO 142+10	L	PLAN	R					2							6
15-6	STA. 147+75 TO 147+95	L	PLAN	O&M					2							6
15-7	STA. 147+80 TO 148+00	R	PLAN	O&M					2							6
15-8	STA. 148+50 TO 148+70	R	PLAN	O&M					2							6
15-9	STA. 148+60 TO 148+80	L	PLAN	O&M					2							6
15-10	STA. 151+00 TO 151+20	R	PLAN	R	35				2							6
15-11	STA. 151+20 TO 151+60	L	PLAN	R	55				4							6
15-12	STA. 151+60 TO 151+80	R	PLAN	R	35				2							6
15-13	STA. 152+50 TO 152+70	L	PLAN	R	35				2							6
15-14	STA. 153+20 TO 153+40	L	PLAN	R	35				2							6
15-15	STA. 153+70 TO 153+90	R	PLAN	R	40				2							6
16-1	STA. 154+10 TO 154+30	L	PLAN	R	40				2							6
16-2	STA. 154+90 TO 155+20	R	PLAN	R	50				3							6
16-3	STA. 154+90 TO 155+30	L	PLAN	R	60				4							6
16-4	STA. 156+00 TO 156+30	R	PLAN	R	50				2							6
16-5	STA. 159+90 TO 160+10	R	PLAN	R					2							6
16-6	STA. 160+38.75	CL	PLAN	MON					2						1	5
16-7	STA. 165+90 TO 166+10	L	PLAN	R					2							6
16-8	STA. 166+75 TO 166+95	R	PLAN	R					2							6
16-9	STA. 166+50 TO 169+00	L	PLAN	RAIL								143	2			7
17-1	STA. 172+60 TO 172+80	R	PLAN	R					2							6
17-2	STA. 177+80 TO 178+00	L	PLAN	O&M					2							6
17-3	STA. 178+30 TO 178+50	R	PLAN	O&M					2							6
17-4	STA. 178+40 TO 178+60	L	PLAN	O&M					2							6
17-5	STA. 178+50 TO 186+00	R	PLAN	FENCE										750		8
17-6	STA. 178+50 TO 187+00	L	PLAN	FENCE										850		8
17-7	STA. 184+00 TO 187+00	R	PLAN													9
18-1	STA. 186+78.45	CL	PLAN	MON											1	5
18-2	STA. 188+30 TO 188+50	R	PLAN	R					3							6
18-3	STA. 188+80 TO 189+00	L	PLAN	O&M					4							6
18-4	STA. 190+50 TO 190+70	R	PLAN	R					3							6
18-5	STA. 193+40	R/L	BD	CROSS		60	15	15								1,2,3
18-6	STA. 193+95 TO 194+15	L	PLAN	F	35				4							6
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## GENERAL NOTES

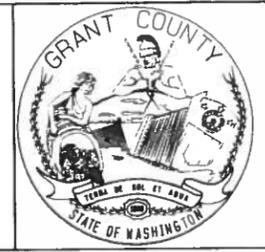
- Miscellaneous
- BD = Bottom of Ditch
  - CP = Catch point
  - CROSS = Crossing Pipe
  - R = Residential
  - F = Farm
  - PLAN = Elevation on Plans
  - MON = Monument
  - O&M = O&M Road
  - C = Commercial

1. Field adjust termini as directed by the engineer.
2. Install 3:1 beveled end sections per standard plans.
3. Remove existing culvert and salvage to the contractor.
4. Remove existing monument and case and salvage to contractor.
5. Install monument and monument case per standard plans.
6. Quantities for embankment and roadway excavation are included in plan quantities whether shown or not.
7. Install ET\_PLUS 31 (TL3) Terminal on each end of rail per the standard plans.
8. Install wire fence type 2 on right of way line as staked by the engineer.
9. Replace existing irrigation pipe and rises.

NOTE: For Special Features See Special Provisions.

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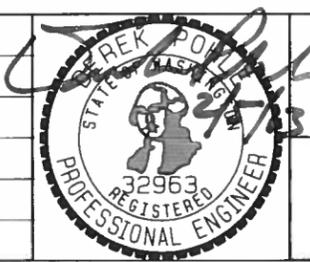
GRANT COUNTY PUBLIC WORKS DEPARTMENT  
124 ENTERPRISE ST. SE  
EPHRATA, WASHINGTON 98823  
(509) 754-6082 FAX (509) 754-6087



### 6-SE ROAD RECONSTRUCTION

CRP 10-07

DESIGNED BY: BOB BERSANTI  
DRAWN BY: BOB BERSANTI  
CHECKED BY: DEREK POHLE  
REVISIONS BY:  
DATE REVISED:  
FEDERAL AID NO.:



SHEET 4  
OF 21



TOWNSHIP 18N., RANGE 29 E.W.M.

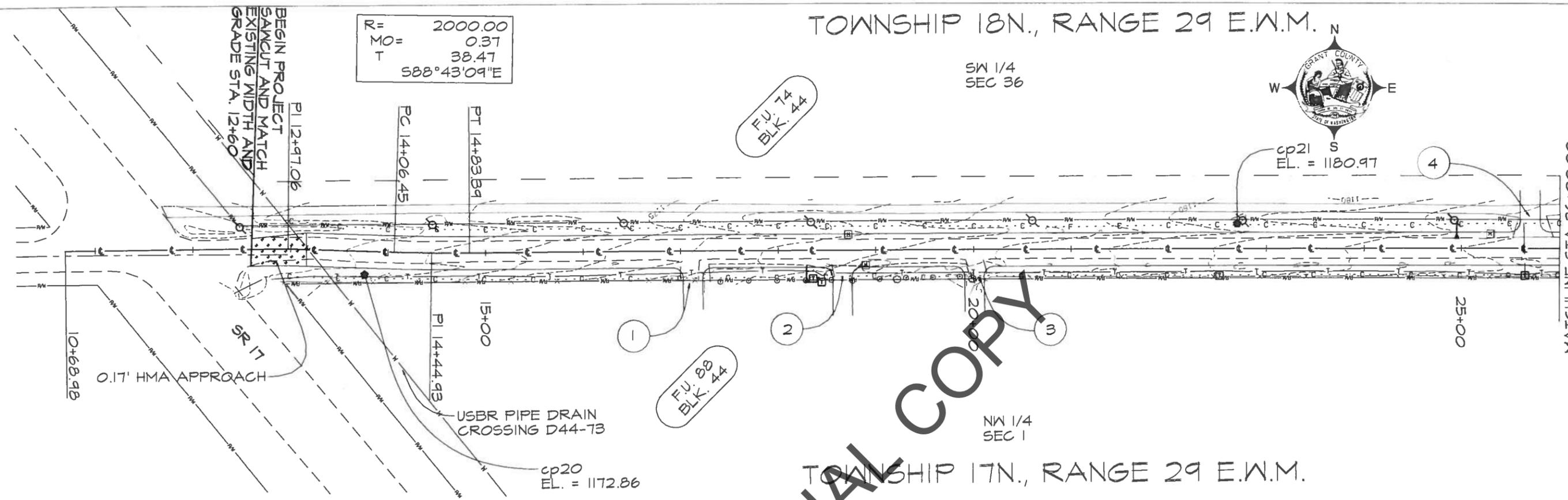
SW 1/4  
SEC 36



R= 2000.00  
MO= 0.37  
T 38.47  
S88°43'09"E

cp21 S  
EL. = 1180.97

MATCHLINE STA 26+00.00  
SEE SHEET 7

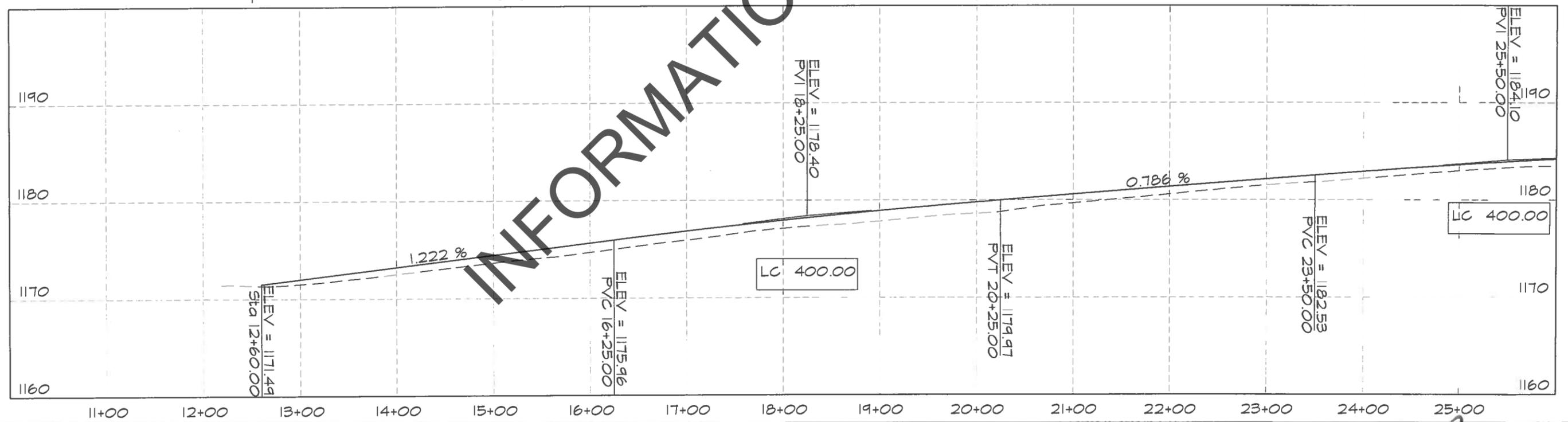


TOWNSHIP 17N., RANGE 29 E.W.M.

NW 1/4  
SEC 1

Roadway Excavation = 484 C.Y.  
Embankment = 134 C.Y.

Roadway Excavation = 486 C.Y.  
Embankment = 242 C.Y.



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CRP 10-07

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SHEET 6  
OF 21

TOWNSHIP 18N., RANGE 29 E.W.M.

SE 1/4  
SEC 36

F.U. 75  
BLK. 44

F.U. 77  
BLK. 44

cp22  
EL. = 1184.92

cp23  
EL. = 1191.58

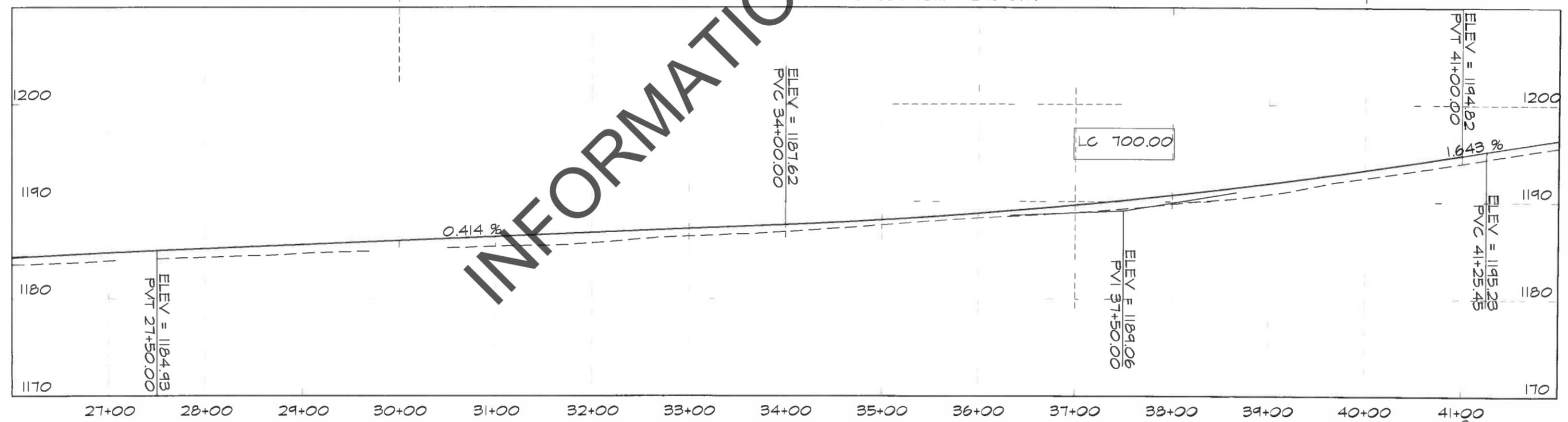
SEE SHEET 6  
MATCHLINE STA 26+00.00

MATCHLINE STA 42+00.00  
SEE SHEET 8

NE 1/4  
SEC 1  
TOWNSHIP 17N., RANGE 29 E.W.M.



Roadway Excavation = 574 C.Y.  
Embankment = 296 C.Y.



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**6-SE ROAD RECONSTRUCTION**



CRP 10-07

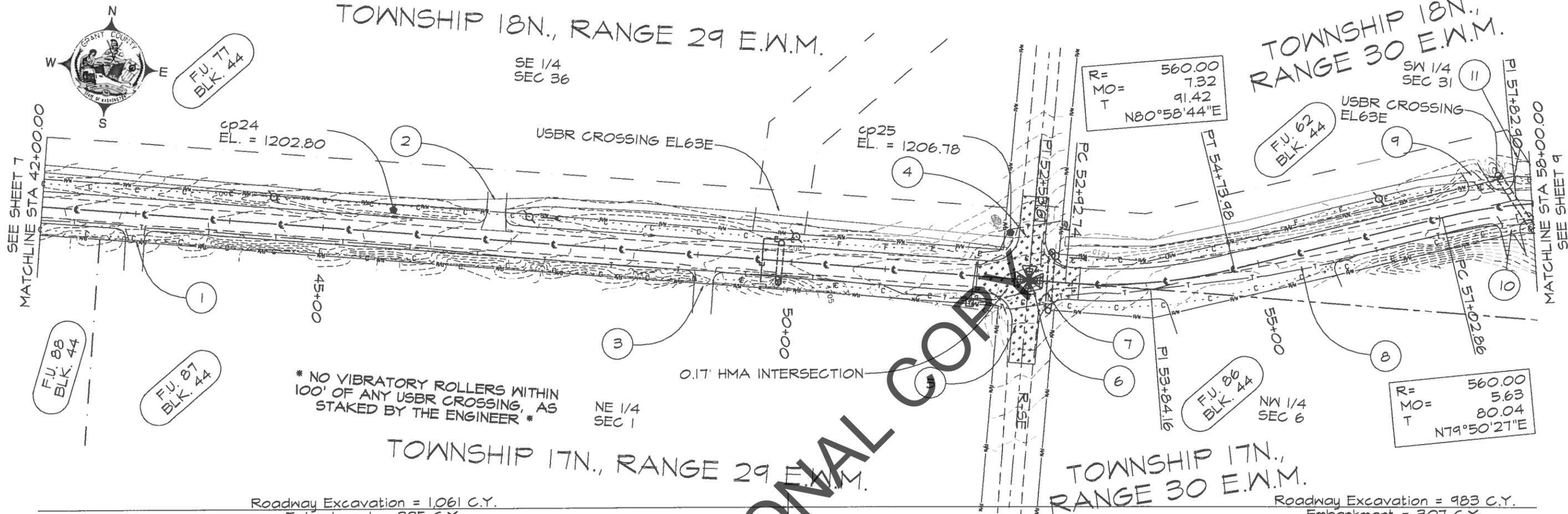
DESIGNED BY: BOB BERSANTI  
DRAWN BY: BOB BERSANTI  
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REVISIONS BY:  
DATE REVISED:  
FEDERAL AID NO.:



SHEET 7  
OF 21

TOWNSHIP 18N., RANGE 29 E.W.M.

TOWNSHIP 18N., RANGE 30 E.W.M.

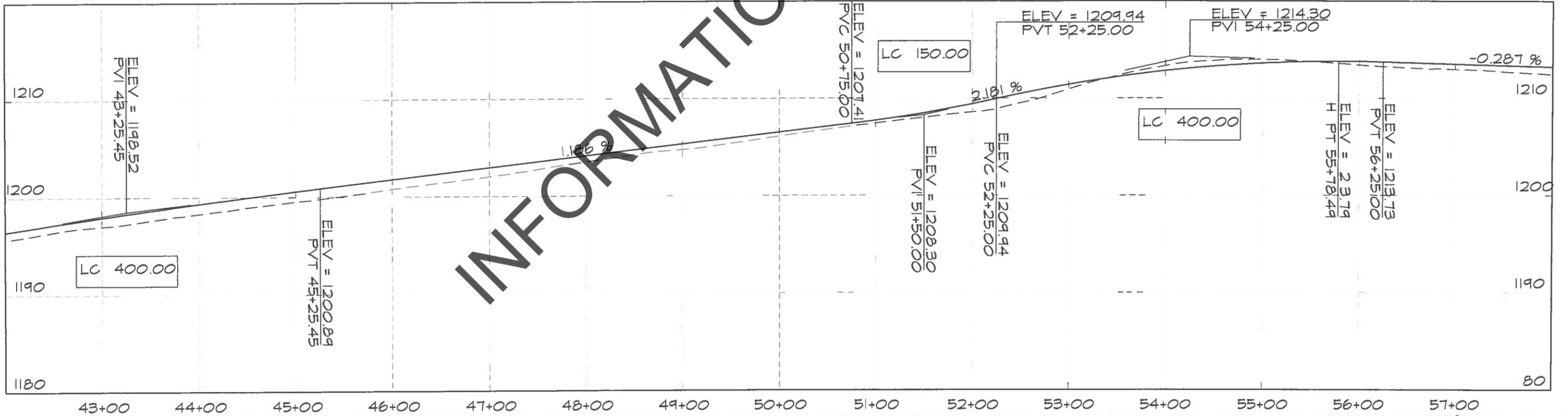


Roadway Excavation = 1,061 C.Y.  
Embankment = 225 C.Y.

Roadway Excavation = 983 C.Y.  
Embankment = 307 C.Y.

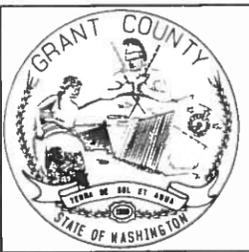
TOWNSHIP 17N., RANGE 29 E.W.M.

TOWNSHIP 17N., RANGE 30 E.W.M.



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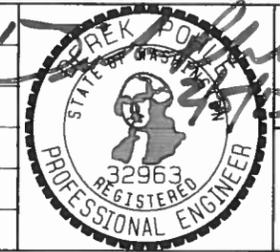


6-SE ROAD RECONSTRUCTION



CRP 10-07

DESIGNED BY:	BOB BERSANTI
DRAWN BY:	BOB BERSANTI
CHECKED BY:	DEREK POHLE
REVISIONS BY:	
DATE REVISED:	
FEDERAL AID NO.:	



SHEET 8  
OF 21

TOWNSHIP 18N., RANGE 30 E.W.M.

R= 650.00  
MO= 4.85  
T 79.85  
N80°58'15"E

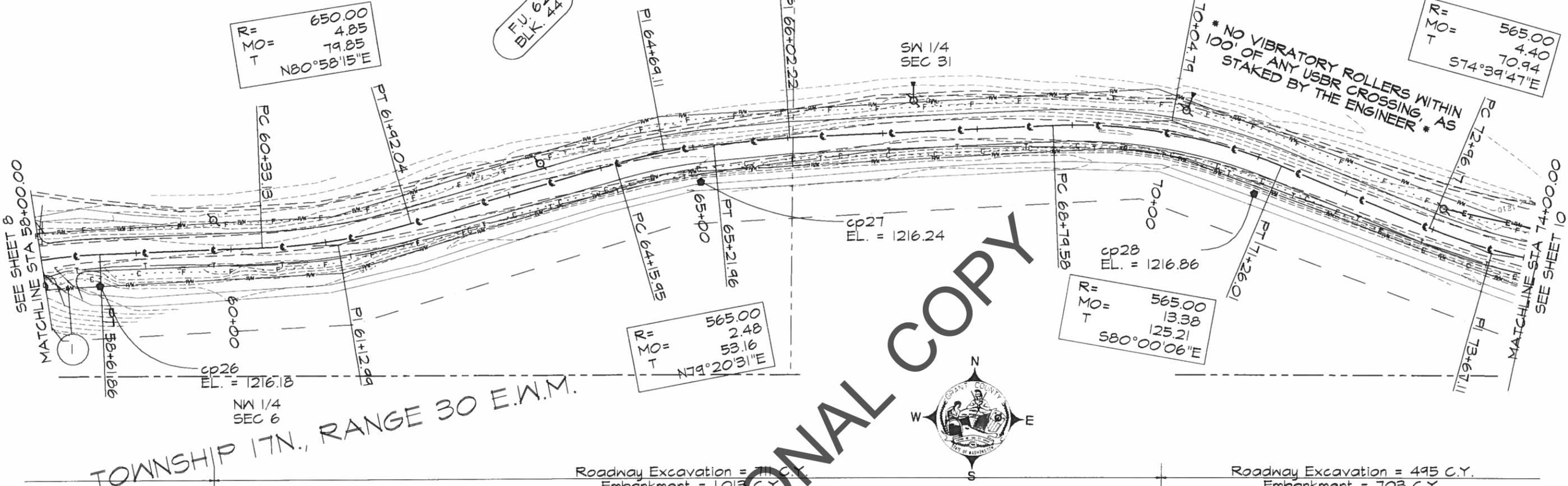
F.U. 62  
BLK. 44

R= 565.00  
MO= 4.40  
T 70.94  
S74°39'47"E

\* NO VIBRATORY ROLLERS WITHIN 100' OF ANY USBR CROSSING, AS STAKED BY THE ENGINEER \*

SEE SHEET 8  
MATCHLINE STA 58+00.00

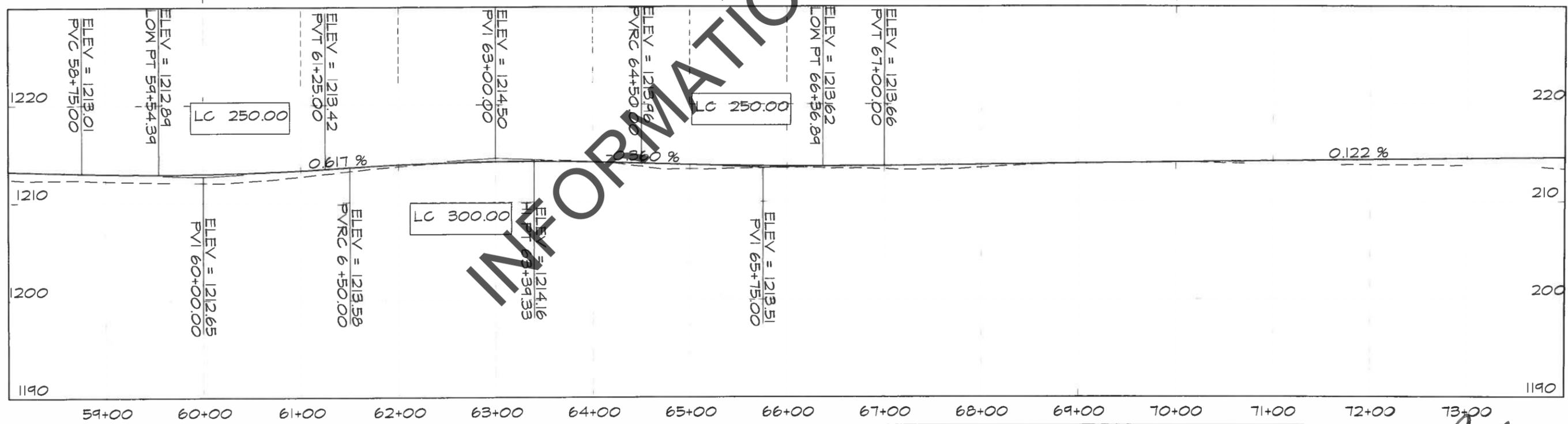
MATCHLINE STA 74+00.00  
SEE SHEET 10



TOWNSHIP 17N., RANGE 30 E.W.M.

Roadway Excavation = 711 C.Y.  
Embankment = 1,013 C.Y.

Roadway Excavation = 495 C.Y.  
Embankment = 703 C.Y.



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6-SE ROAD RECONSTRUCTION

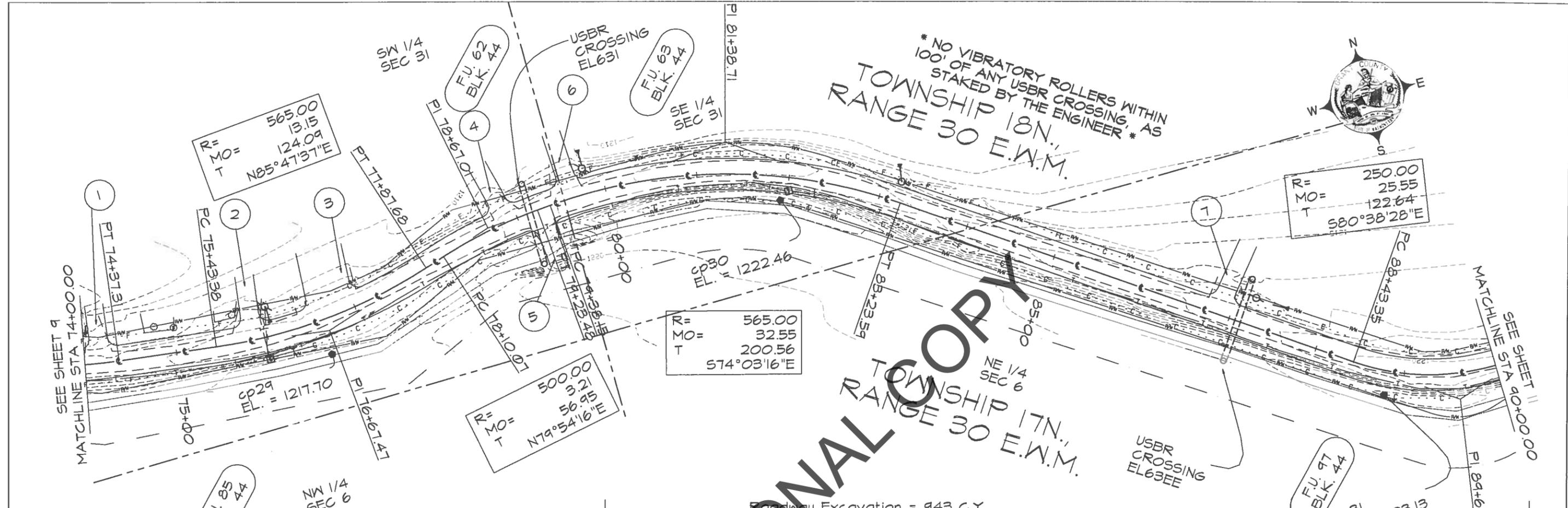


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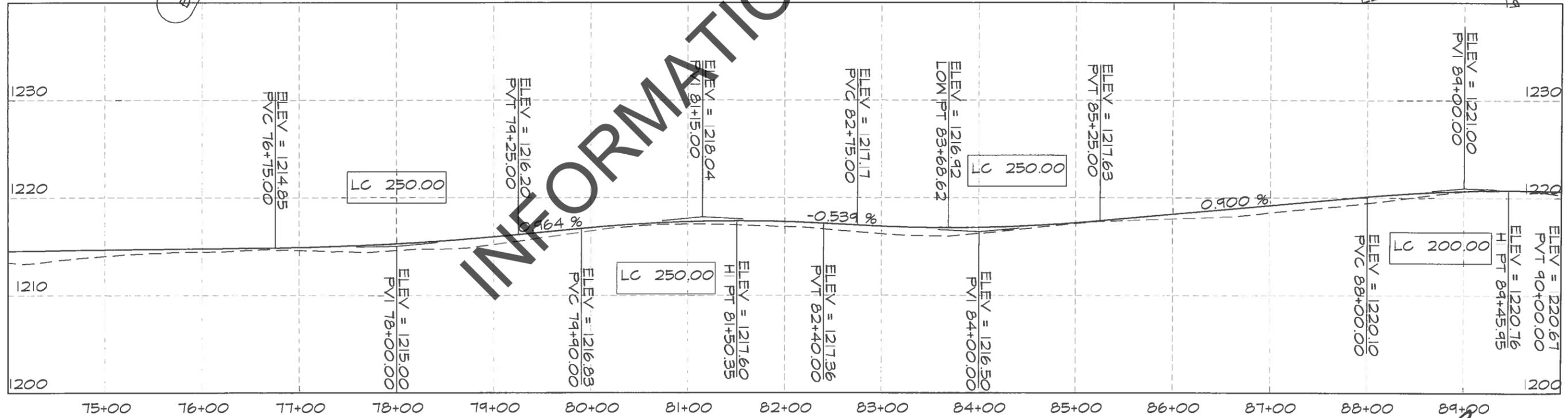
DESIGNED BY: BOB BERSANTI  
DRAWN BY: BOB BERSANTI  
CHECKED BY: DEREK POHLE  
REVISIONS BY:  
DATE REVISED:  
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SHEET 9  
OF 21



Excavation = 943 C.Y.  
Embankment = 306 C.Y.



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6-SE ROAD RECONSTRUCTION



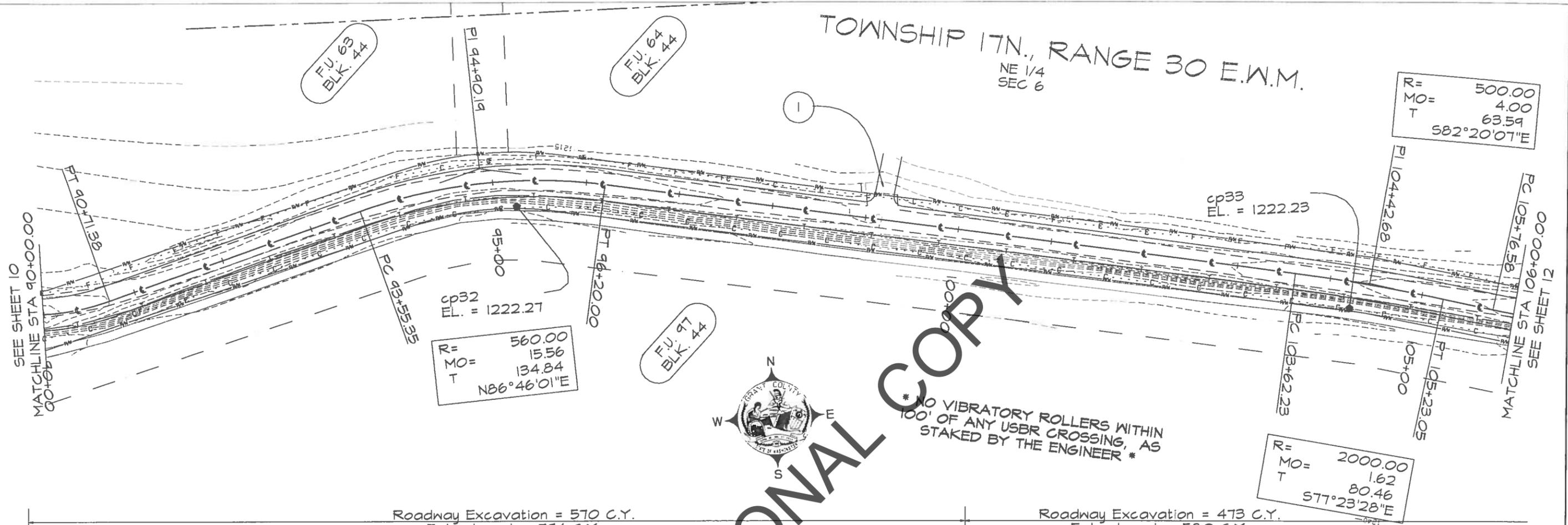
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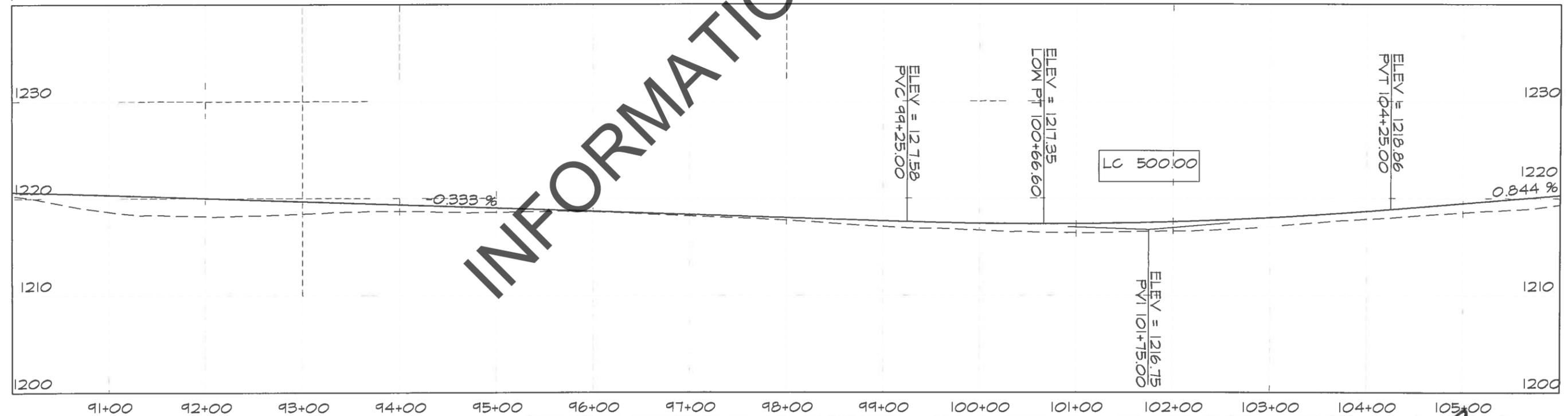
SHEET 10  
OF 21

TOWNSHIP 17N., RANGE 30 E.W.M.  
NE 1/4  
SEC 6



Roadway Excavation = 570 C.Y.  
Embankment = 794 C.Y.

Roadway Excavation = 473 C.Y.  
Embankment = 580 C.Y.



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\* NO VIBRATORY ROLLERS WITHIN 100' OF ANY USBR CROSSING, AS STAKED BY THE ENGINEER \*

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6-SE ROAD RECONSTRUCTION



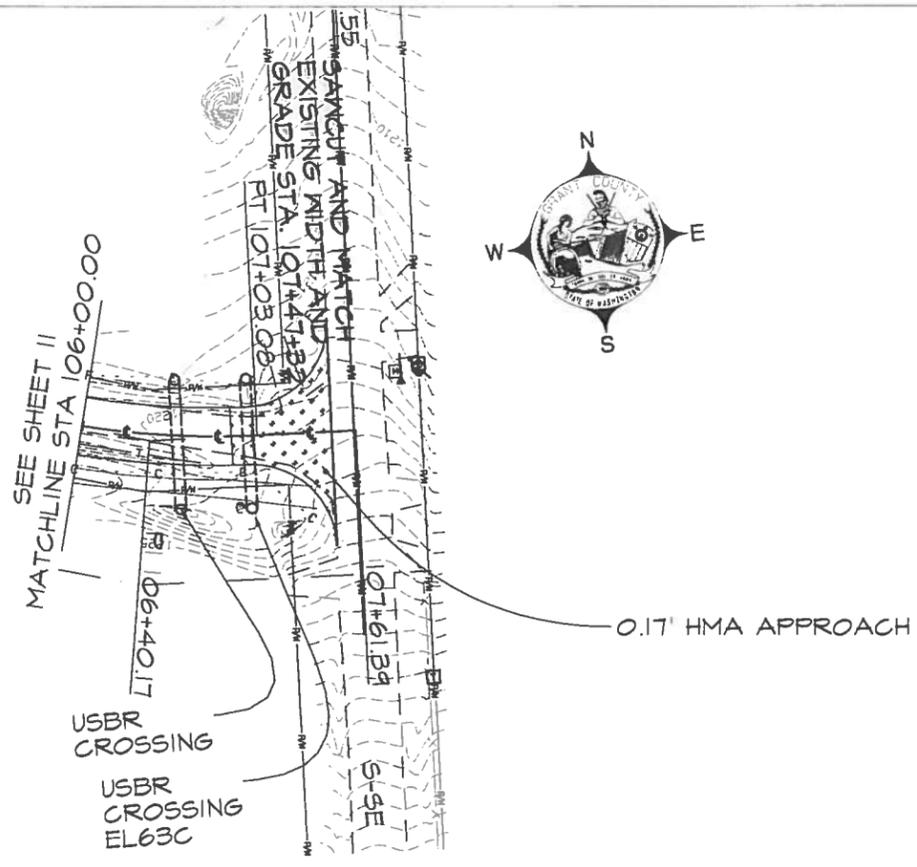
SCALE (in feet)

CRP 10-07

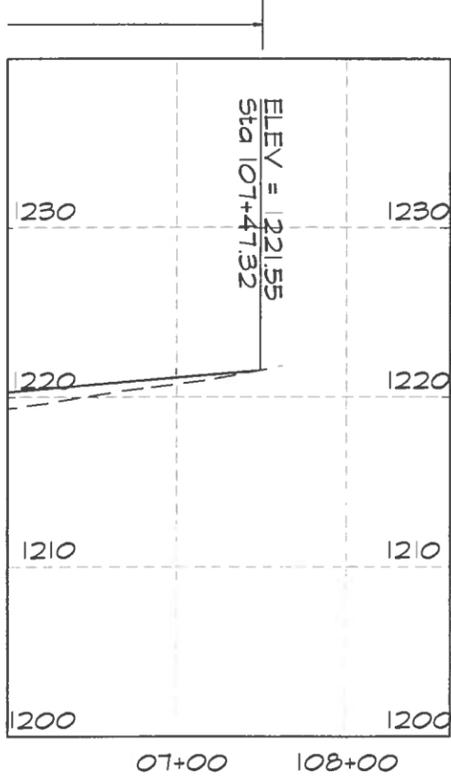
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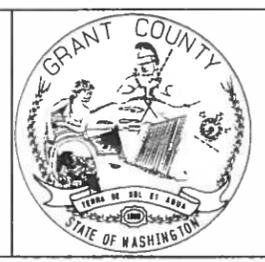
SHEET 11  
OF 21



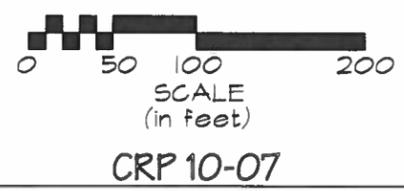
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6-SE ROAD RECONSTRUCTION



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SHEET 12  
 OF 21

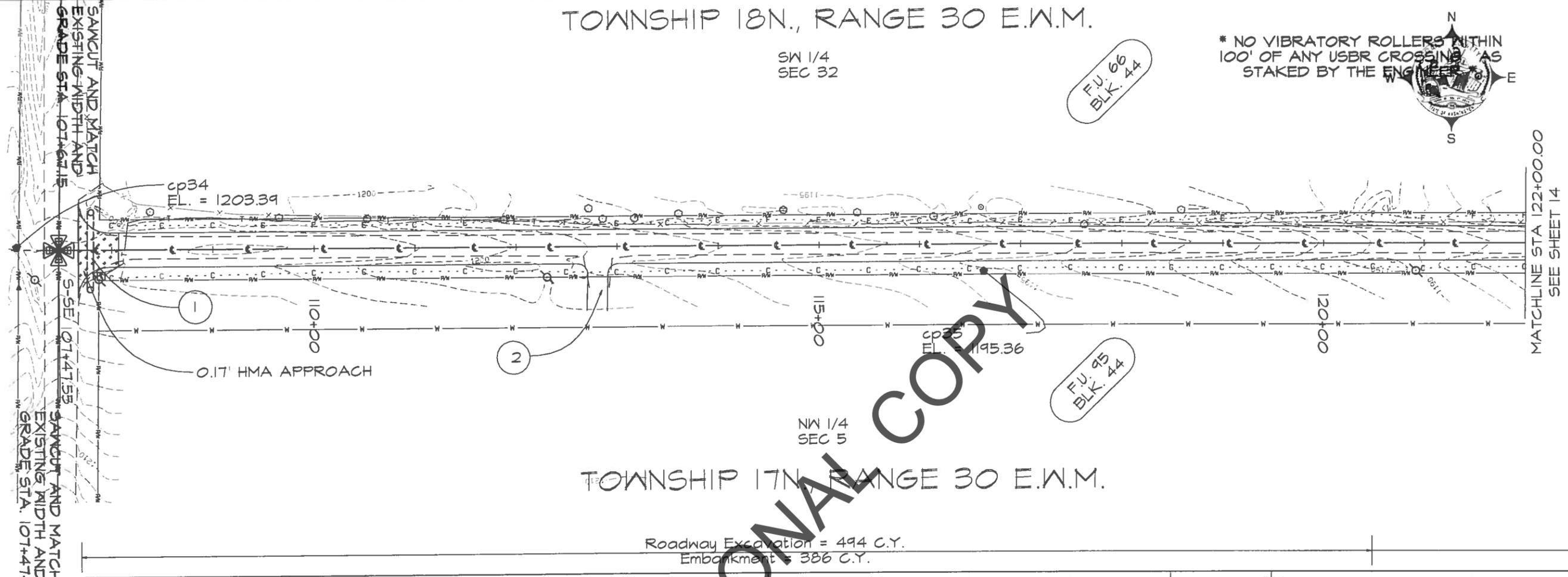
TOWNSHIP 18N., RANGE 30 E.W.M.

SW 1/4  
SEC 32

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100' OF ANY USBR CROSSING AS  
STAKED BY THE ENGINEER



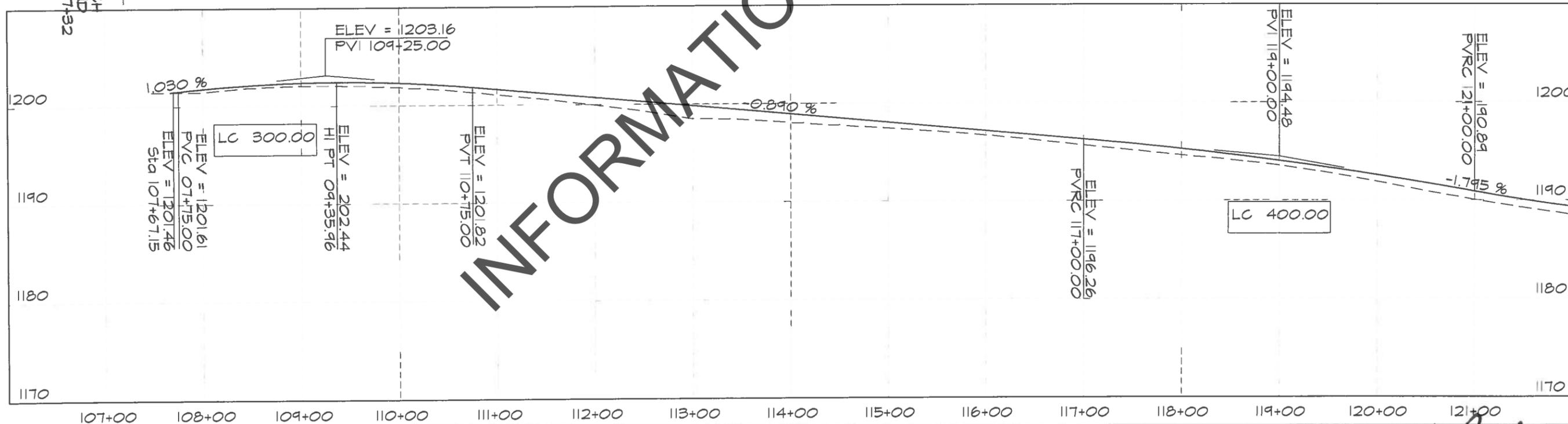
F.U. 66  
BLK. 44



NW 1/4  
SEC 5

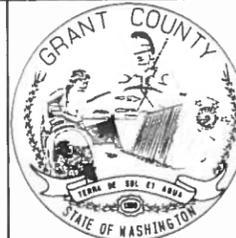
TOWNSHIP 17N., RANGE 30 E.W.M.

Roadway Excavation = 494 C.Y.  
Embankment = 386 C.Y.



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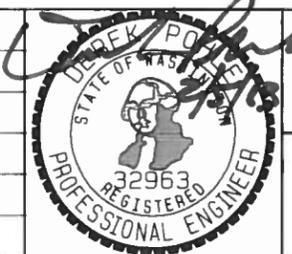


6-SE ROAD RECONSTRUCTION



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SHEET 13  
OF 21

TOWNSHIP 18N., RANGE 30 E.W.M.



SW 1/4  
SEC 32

SE 1/4  
SEC 32

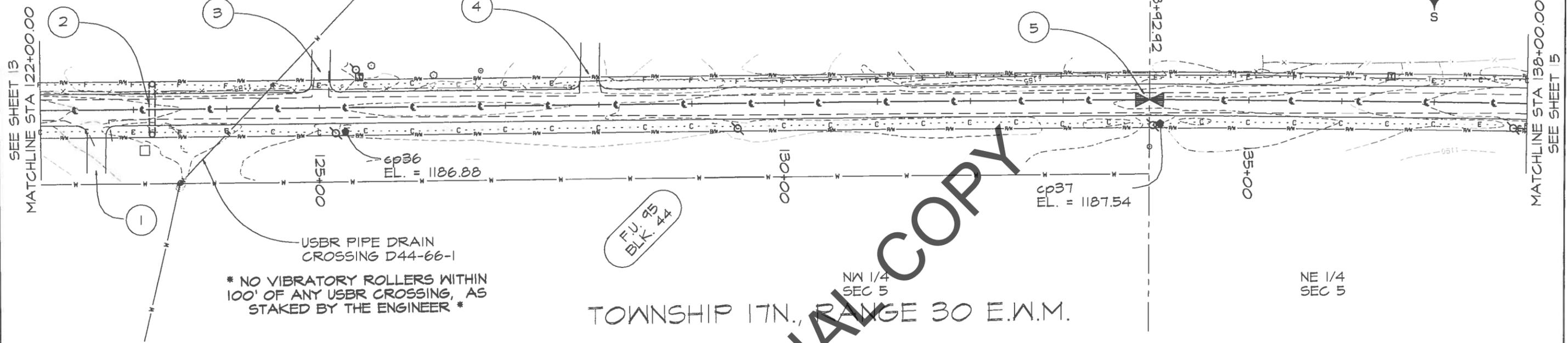
F.U. 66  
BLK. 44

F.U. 95  
BLK. 44

NW 1/4  
SEC 5

NE 1/4  
SEC 5

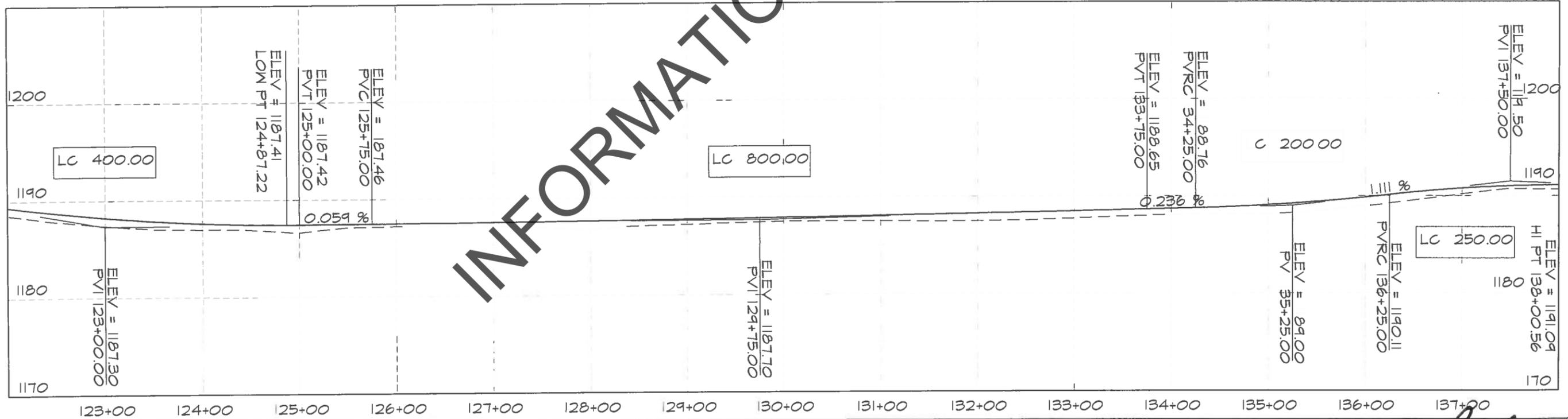
TOWNSHIP 17N., RANGE 30 E.W.M.



\* NO VIBRATORY ROLLERS WITHIN  
100' OF ANY USBR CROSSING, AS  
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Roadway Excavation = 368 C.Y.  
Embankment = 22 C.Y.

Roadway Excavation = 432 C.Y.  
Embankment = 881 C.Y.



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6-SE ROAD RECONSTRUCTION



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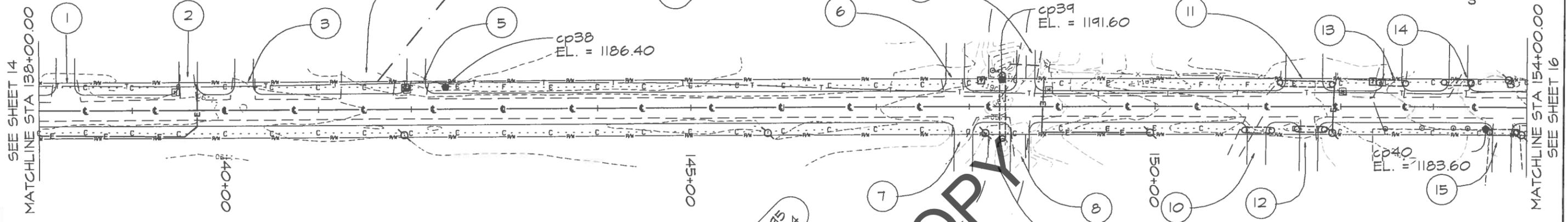
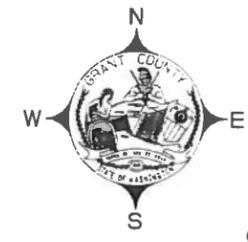
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SHEET 14  
OF 21

TOWNSHIP 18N., RANGE 30 E.W.M.

SE 1/4  
SEC 32

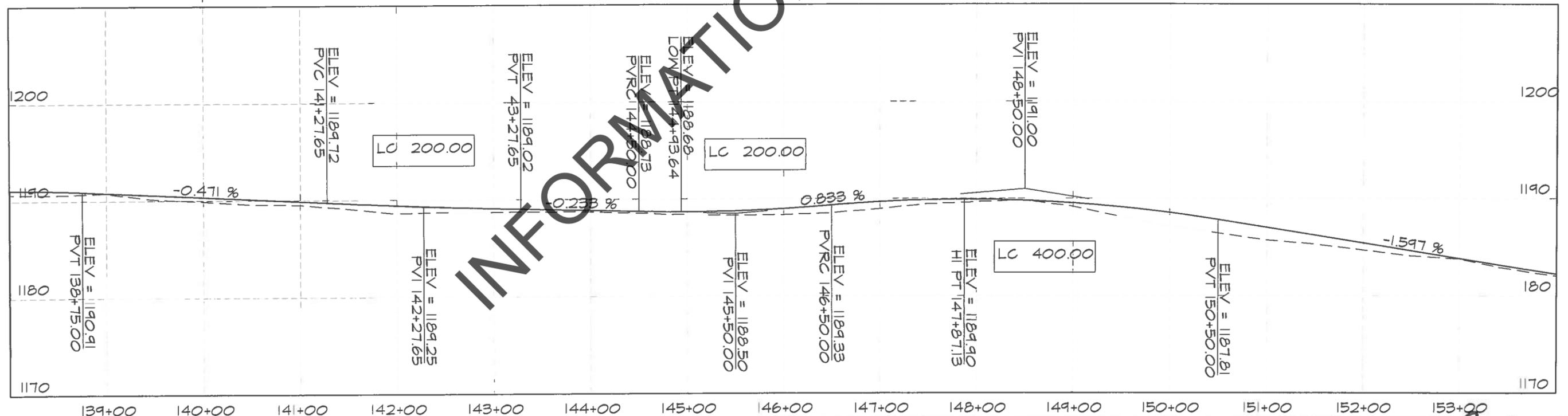


\* NO VIBRATORY ROLLERS WITHIN 100' OF ANY USBR CROSSING, AS STAKED BY THE ENGINEER \*

NE 1/4  
SEC 5

TOWNSHIP 17N., RANGE 30 E.W.M.

Roadway Excavation = 717 C.Y.  
Embankment = 160 C.Y.



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6-SE ROAD RECONSTRUCTION



SCALE  
(in feet)

CRP 10-07

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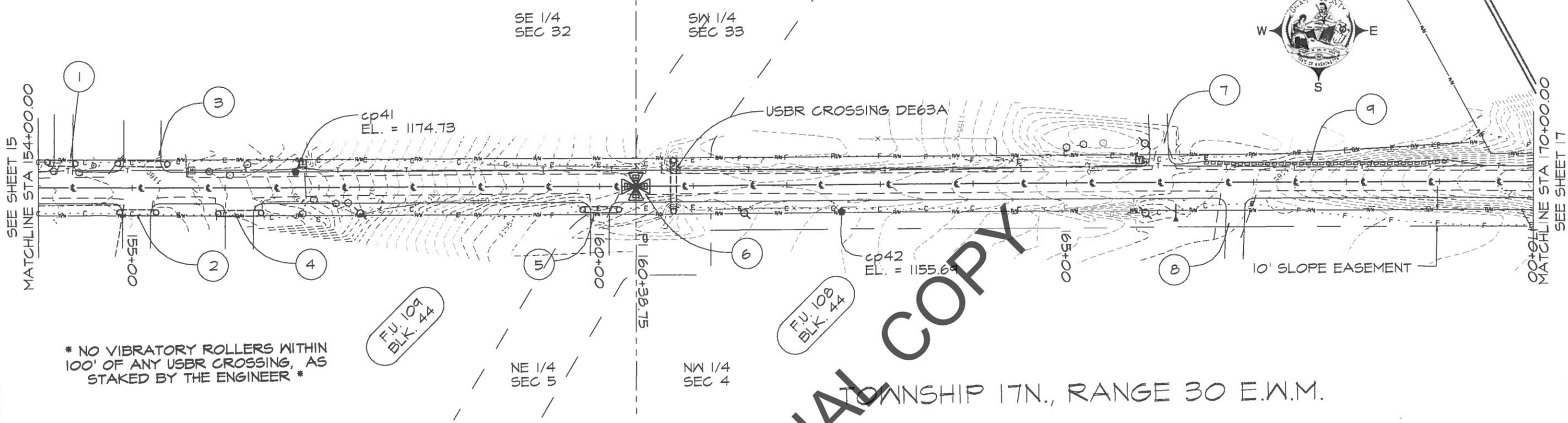
SHEET 15  
OF 21

TOWNSHIP 18N., RANGE 30 E.W.M.



SEE SHEET 15  
MATCHLINE STA 154+00.00

MATCHLINE STA 170+00.00  
SEE SHEET 17

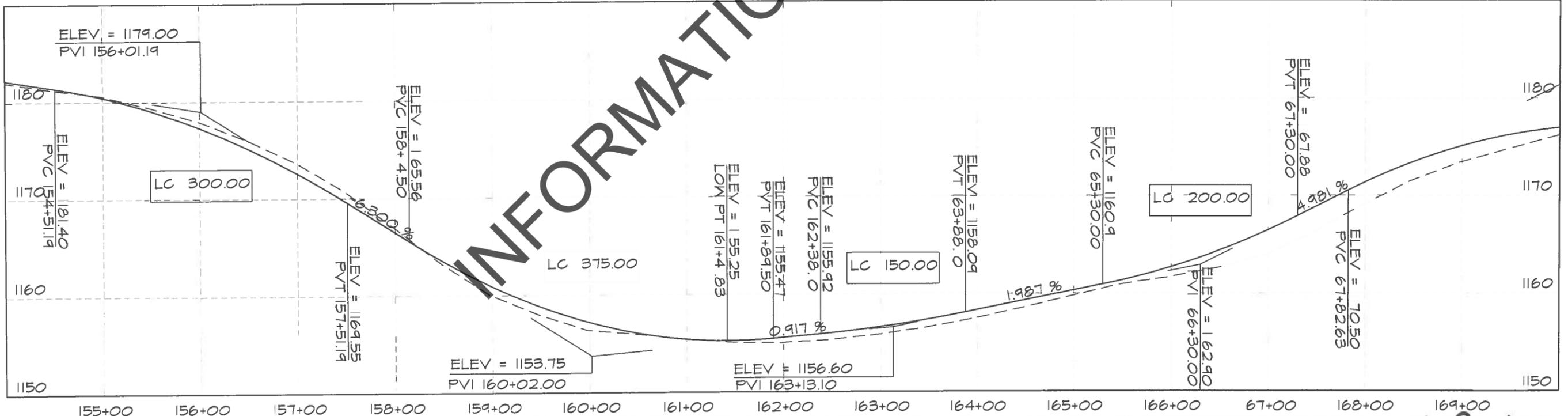


\* NO VIBRATORY ROLLERS WITHIN 100' OF ANY USBR CROSSING, AS STAKED BY THE ENGINEER \*

TOWNSHIP 17N., RANGE 30 E.W.M.

Roadway Excavation = 1,867 C.Y.  
Embankment = 322 C.Y.

Roadway Excavation = 454 C.Y.  
Embankment = 1,848 C.Y.



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6-SE ROAD RECONSTRUCTION



SCALE  
(in feet)

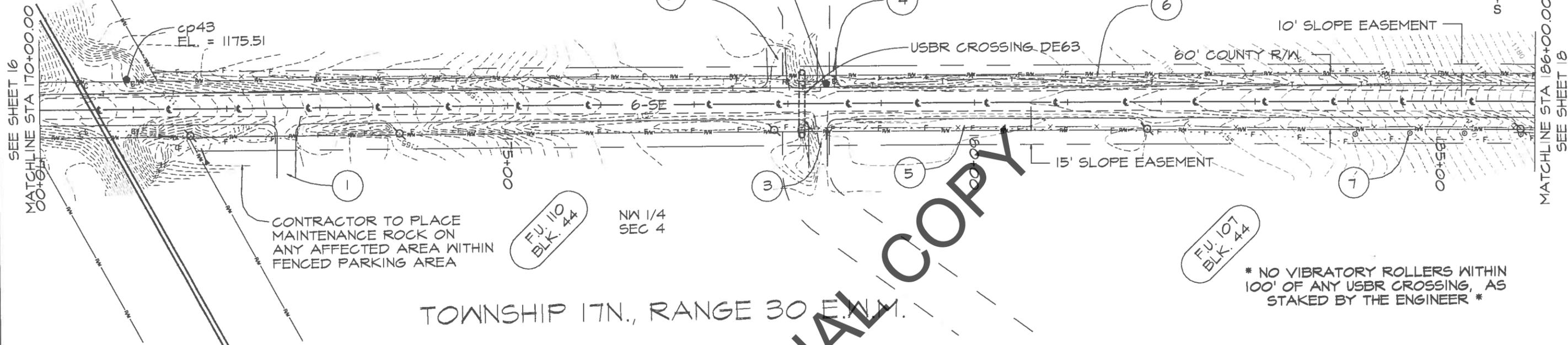
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SHEET 16  
OF 21

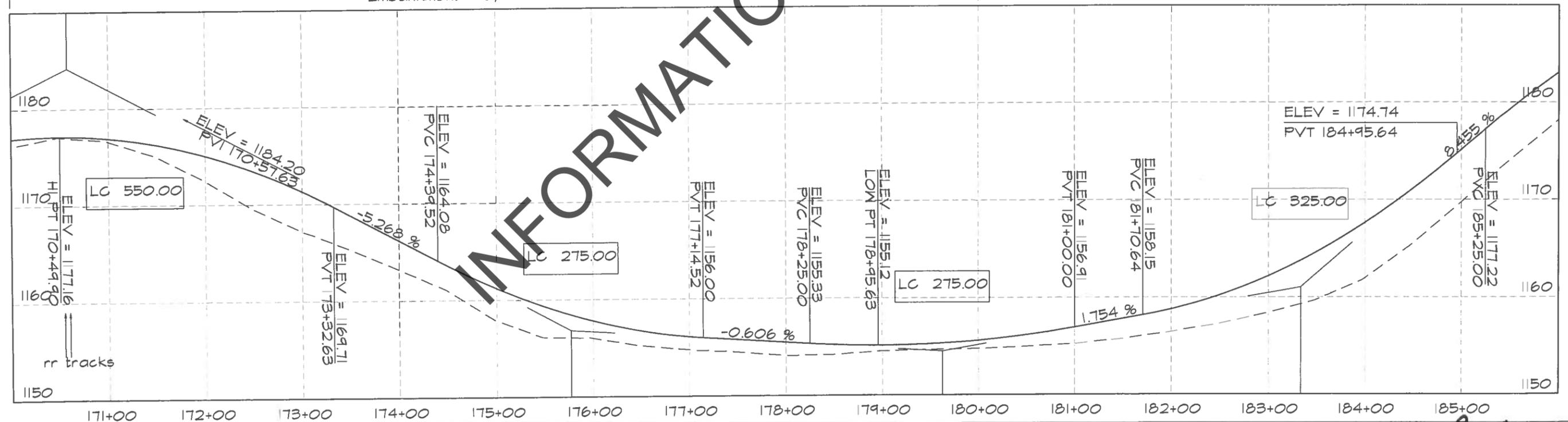
TOWNSHIP 18N., RANGE 30 E.W.M.



TOWNSHIP 17N., RANGE 30 E.W.M.

Roadway Excavation = 147 C.Y.  
Embankment = 3,375 C.Y.

Roadway Excavation = 399 C.Y.  
Embankment = 5,139 C.Y.

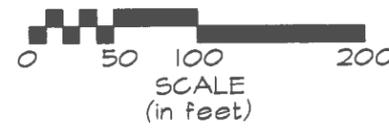


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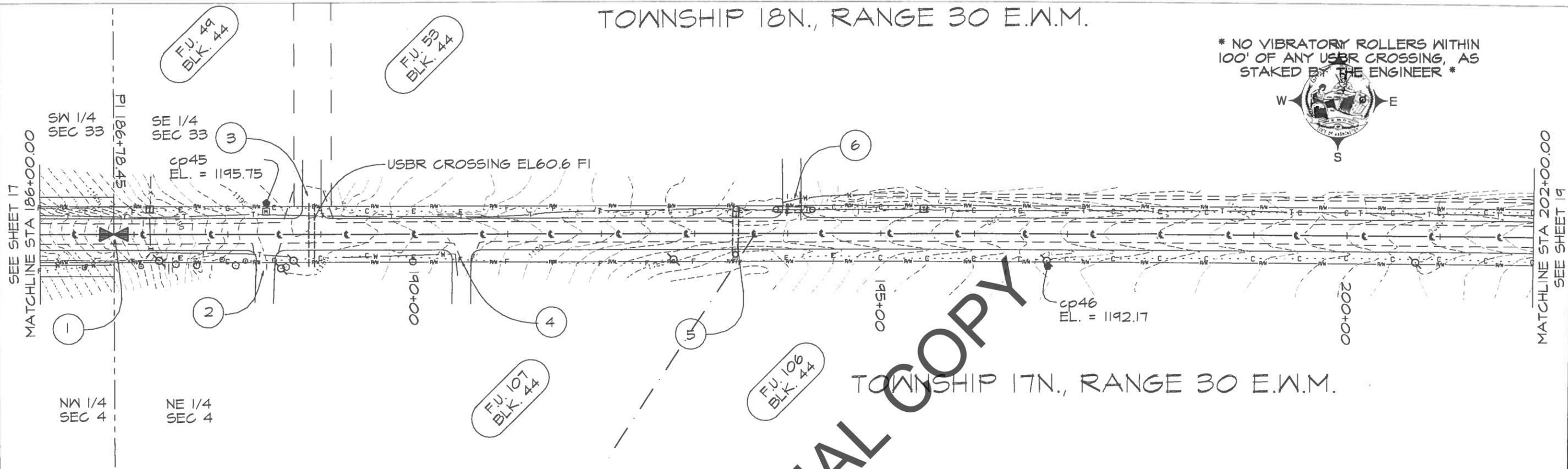
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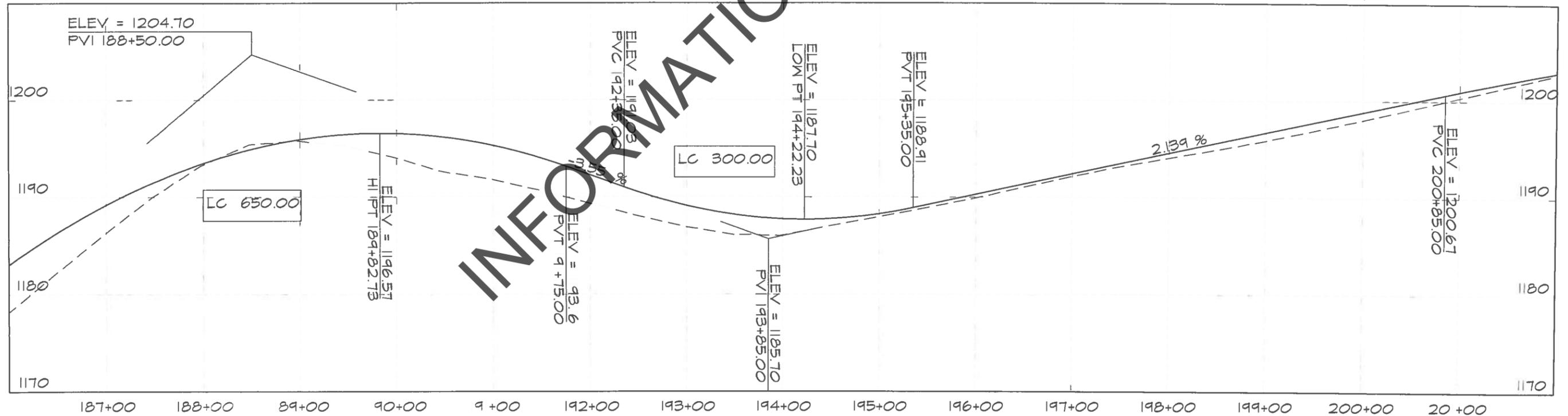
SHEET 17  
OF 21

TOWNSHIP 18N., RANGE 30 E.W.M.

\* NO VIBRATORY ROLLERS WITHIN 100' OF ANY USBR CROSSING, AS STAKED BY THE ENGINEER \*



Roadway Excavation = 405 C.Y.  
Embankment = 1,609 C.Y.



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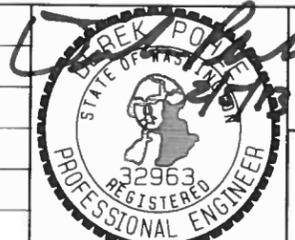


6-SE ROAD RECONSTRUCTION



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SHEET 18  
OF 21

TOWNSHIP 18N., RANGE 30 E.W.M.

SE 1/4  
SEC 33



SEE SHEET 18  
MATCHLINE STA 202+00.00

FU 53  
BLK. 44

FU 106  
BLK. 44

cp47  
EL. = 1207.50

cp48  
EL. = 1210.44

\* NO VIBRATORY ROLLERS WITHIN  
100' OF ANY USBR CROSSING, AS  
STAKED BY THE ENGINEER \*

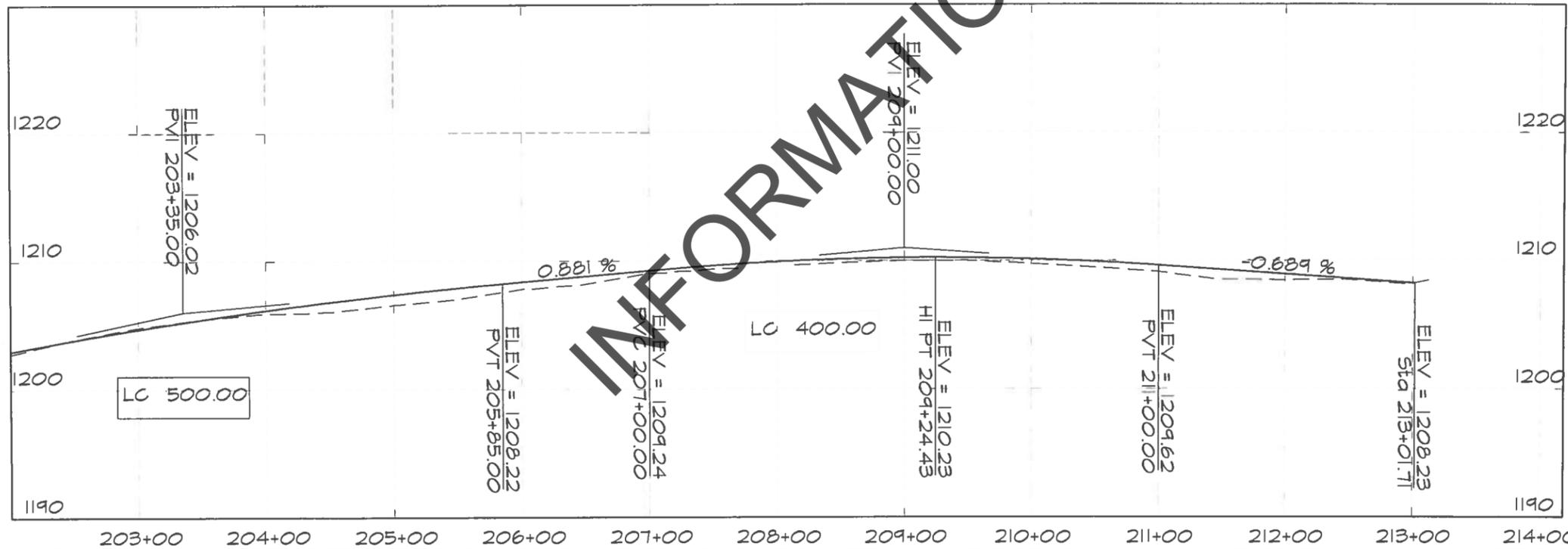
USBR CROSSING EL60.6

0.17' HMA APPROACH

NE 1/4  
SEC 4

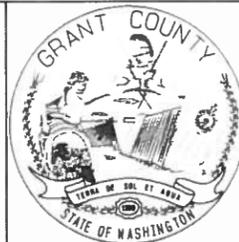
TOWNSHIP 17N., RANGE 30 E.W.M.

Roadway Excavation = 1,095 C.Y.  
Embankment = 227 C.Y.



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6-SE ROAD RECONSTRUCTION



SCALE  
(in feet)

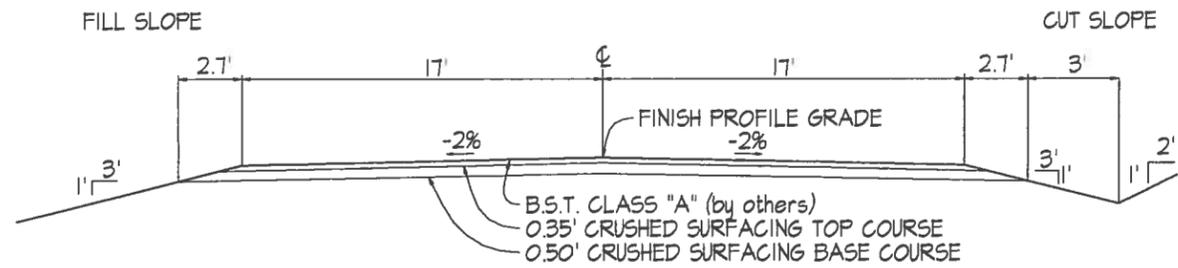
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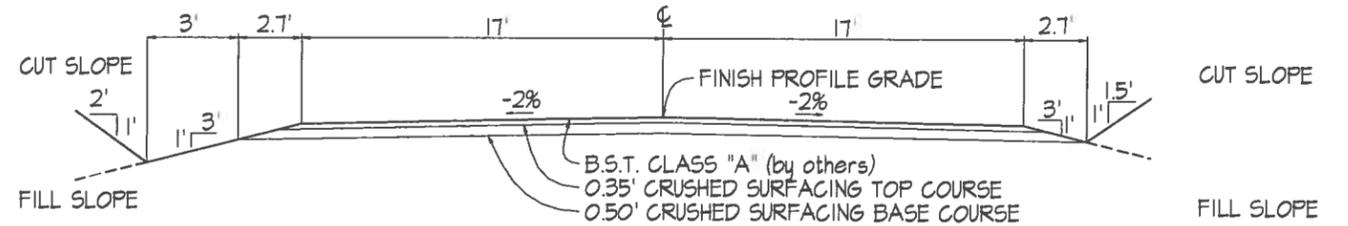
SHEET 19  
OF 21

### ROADWAY SECTION "A"



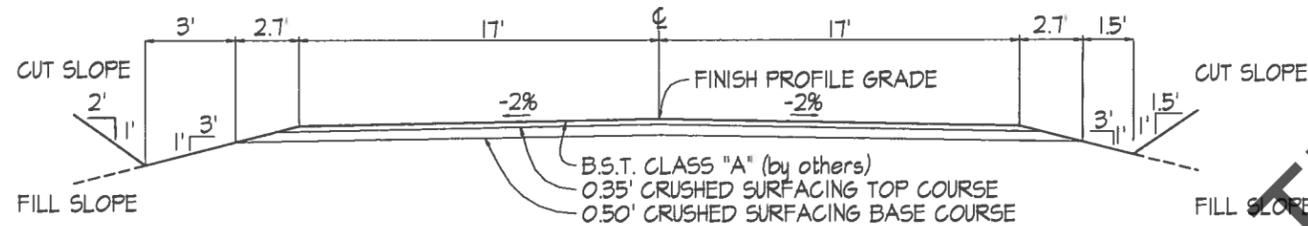
MATCH EXISTING ROADWAY STA 10+15  
 STA. 10+15 TO STA. 41+00  
 TRANSITION ROADWAY STA. 41+00 TO SECTION "B" STA. 42+00  
 STA. 107+00 TO STA. 166+00  
 TRANSITION ROADWAY SECTION "A" STA. 166+00 TO ROADWAY SECTION "F" STA. 166+50  
 STA. 169+50 TO STA. 201+00

### ROADWAY SECTION "D"



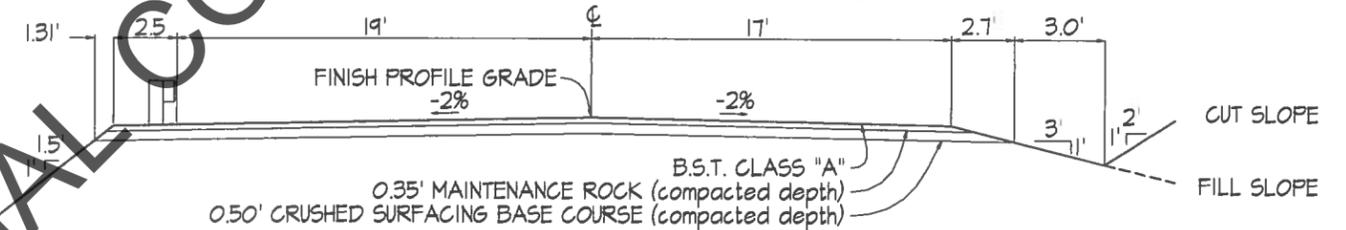
STA. 81+00 TO STA. 82+00  
 TRANSITION ROADWAY SECTION "D" STA 82+00 TO ROADWAY SECTION "B" STA. 83+00

### ROADWAY SECTION "B"



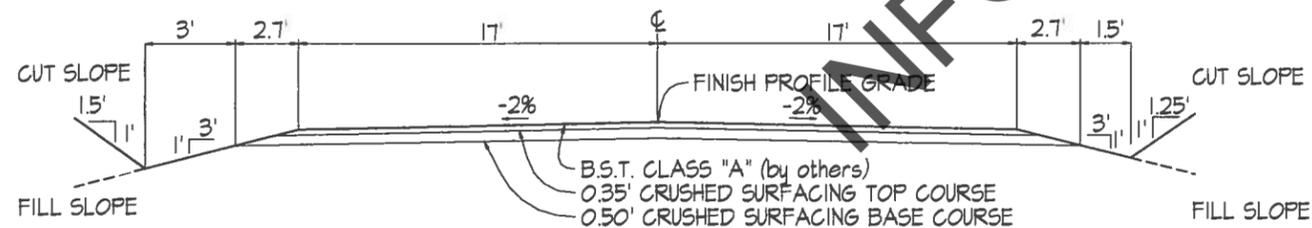
STA. 42+00 TO STA. 57+00  
 TRANSITION ROADWAY SECTION "B" STA 57+00 TO ROADWAY SECTION "C" STA. 58+00  
 STA. 83+00 TO STA. 107+00

### ROADWAY SECTION "E"



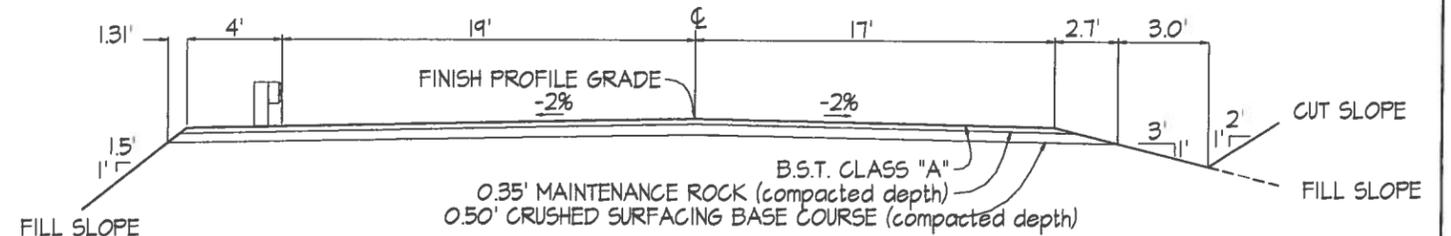
STA. 166+85 TO STA. 168+75  
 TRANSITION ROADWAY SECTION "E" STA 168+75 TO ROADWAY SECTION "F" STA. 169+00

### ROADWAY SECTION "C"



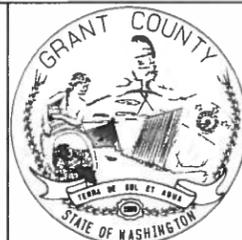
STA. 58+00 TO STA. 80+00  
 TRANSITION ROADWAY SECTION "C" STA 80+00 TO ROADWAY SECTION "D" STA. 81+00

### ROADWAY SECTION "F"



STA. 166+50 TO STA. 166+60  
 TRANSITION ROADWAY SECTION "F" STA 166+60 TO ROADWAY SECTION "E" STA. 166+85  
 STA. 169+00 TO STA. 169+10  
 TRANSITION ROADWAY SECTION "F" STA 169+10 TO ROADWAY SECTION "A" STA. 169+50

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### 6-SE ROAD RECONSTRUCTION

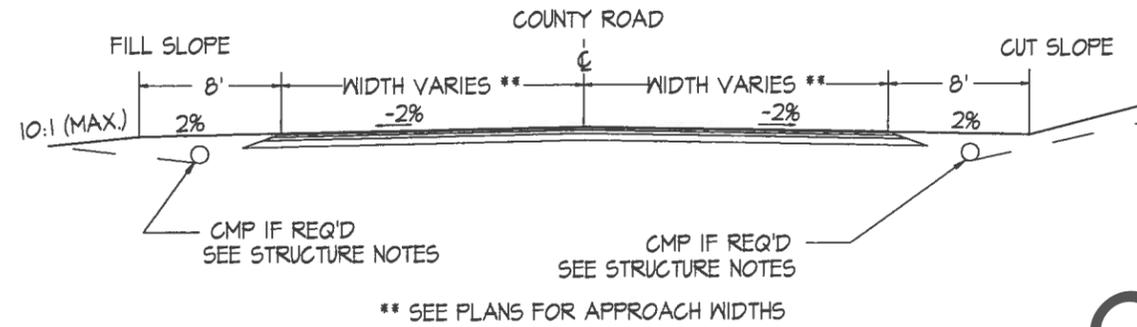
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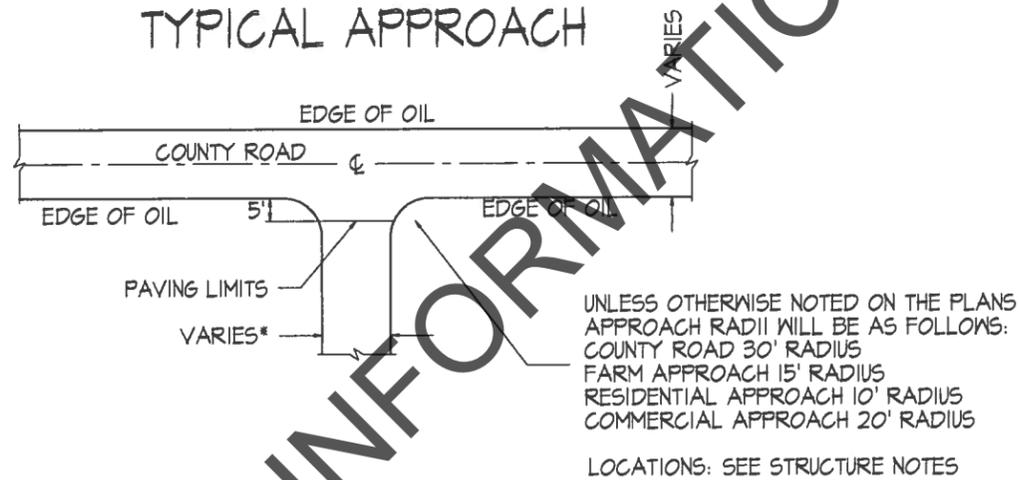


SHEET 20  
 OF 21

# TYPICAL APPROACH DETAIL



# TYPICAL APPROACH



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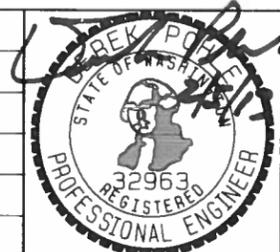
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## 6-SE ROAD RECONSTRUCTION

CRP 10-07

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SHEET 21  
 OF 21