

# GRANT COUNTY PUBLIC WORKS DEPARTMENT

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## CONTRACT PROVISIONS and PLANS

For Construction of:

Dry Coulee Road  
CRP 10-02

Sealed Bids will be Opened on

**July 5, 2011**

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 Only - NOT FOR BIDDING

## NOTICE TO CONTRACTORS

Sealed bids, plainly marked "**BID FOR Dry Coulee Road, CRP 10-02**", 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, July 5, 2011** 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:

### **Dry Coulee Road – CRP 10-02**

This contract provides for the reconstruction of 3.91 miles of a county road in Grant County, WA, and includes roadway excavation, embankment compaction, crushed surfacing base course, maintenance rock, drainage items, 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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Informational Only - NOT FOR BIDDING

1 **INTRODUCTION**

2 The following Amendments and Special Provisions shall be used in conjunction with the 2010  
3 Standard Specifications for Road, Bridge, and Municipal Construction.  
4

5 **AMENDMENTS TO THE STANDARD SPECIFICATIONS**  
6

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

11  
12 Each Amendment contains all current revisions to the applicable section of the Standard  
13 Specifications and may include references which do not apply to this particular project.  
14  
15

16 **SECTION 1-01, DEFINITIONS AND TERMS**  
17 **August 2, 2010**

18 **1-01.2(1) Associations and Miscellaneous**

19 The abbreviation and definition "AREA American Railway Engineering Association" is  
20 replaced with the following:  
21

22 AREMA American Railway Engineering and Maintenance Association  
23

24 **SECTION 1-02, BID PROCEDURES AND CONDITIONS**  
25 **January 4, 2010**

26 **1-02.7 Bid Deposit**

27 In the first paragraph, the third sentence is revised to read:  
28

29 For projects scheduled for bid opening in Olympia, the proposal bond may be in hard copy  
30 or electronic format via Surety2000.com or Insurevision.com and BidX.com.  
31

32 **1-02.9 Delivery of Proposal**

33 In the first paragraph, the first sentence is revised to read:  
34

35 For projects scheduled for bid opening in Olympia, each Proposal shall be sealed and  
36 submitted in the envelope provided with it, or electronically via Expedite software and  
37 BidX.com at the location and time identified in Section 1-02.12.  
38

39 The following new paragraph is inserted after the first paragraph:  
40

41 For projects scheduled for bid opening in the Region, each Proposal shall be sealed and  
42 submitted in the envelope provided with it, at the location and time identified in Section 1-  
43 02.12. The Bidder shall fill in all blanks on this envelope to ensure proper handling and  
44 delivery.  
45

1 **SECTION 1-06, CONTROL OF MATERIALS**

2 **January 3, 2011**

3 **1-06.1 Approval of Materials Prior to Use**

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

5  
6 **1-06.1(4) Fabrication Inspection Expense**

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

- 10 • Steel Bridges and Steel Bridge components
- 11 • Cantilever Sign Structures and Sign Bridges
- 12 • Prestressed Concrete Girders and Precast Bridge Components
- 13 • Cylindrical, Disc, Pin, and Spherical Bearings
- 14 • Modular Expansion Joints
- 15 • Epoxy Coated Reinforcing Steel
- 16 • Painted and Powder Coated Luminaire and Signal Poles
- 17 • Additional items as may be determined by the Engineer

18  
19  
20 The deductions for fabrication inspection costs will be as shown in the Payment Table  
21 below.

22 <b>Zone</b>	<b>Place of Fabrication</b>	<b>Reduction in Payment</b>
1	Within 300 airline miles from Seattle	None
2	Between 300 and 3,000 airline miles from Seattle	\$700.00 per *inspection day
3	Over 3,000 airline miles from Seattle	\$1,000 per *inspection day, but not less than \$2,500 per trip

23 \*Note - An inspection day includes any calendar day or portion of a calendar day  
24 spent inspecting at or traveling to and from a place of fabrication.

25  
26 Where fabrication of an item takes place in more than one zone, the reduction in payment  
27 will be computed on the basis of the entire item being fabricated in the furthest of zones  
28 where any fabrication takes place on that item.

29  
30 The rates for Zone 2 and 3 shall be applied for the full duration time of all fabrication  
31 inspection activities to include but not limited to; plant approvals, prefabrication meetings,  
32 fabrication, coatings and final inspection.

- 1 **1-06.2(2)A General**
- 2 Table 2 "Pay Factors" on page 1-39 is revised to read:
- 3

**Table 2  
Pay Factors**

PAY FACTOR	Minimum Required Percent of Work Within Specification Limits for a Given Factor (PU + PL) – 100															
	Category	n=3	n=4	n=5	n=6	n=7	n=8	n=9	n=10 to n=11	n=12 to n=14	n=15 to n=17	n=18 to n=22	n=23 to n=29	n=30 to n=42	n=43 to n=66	n=67 to ∞
1.05						100	100	100	100	100	100	100	100	100	100	100
1.04					100	99	97	95	96	96	96	97	97	97	97	97
1.03				100	98	96	94	92	93	93	94	95	95	96	96	96
1.02				99	97	94	91	89	90	91	92	93	93	94	94	94
1.01	100	100	100	98	95	92	89	87	88	89	90	91	92	92	92	92
1.00	69	75	78	80	82	83	84	85	86	87	88	89	90	91	91	92
0.99	66	72	76	78	80	81	82	83	84	85	86	87	88	90	91	91
0.98	64	70	74	76	78	79	80	81	82	84	85	86	87	88	88	90
0.97	63	68	72	74	76	77	78	79	81	82	83	84	86	87	87	88
0.96	61	67	70	72	74	75	76	78	79	81	82	83	84	86	86	87
0.95	59	65	68	71	72	74	75	76	78	79	80	82	83	84	86	86
0.94	58	63	67	69	71	72	73	75	76	78	79	80	82	83	85	85
0.93	57	62	65	67	69	71	72	73	75	76	78	79	80	82	84	84
0.92	55	60	63	66	68	69	70	72	73	75	76	78	79	81	82	82
0.91	54	59	62	64	66	68	69	70	72	74	75	76	78	79	81	81
0.90	53	57	61	63	65	66	67	69	71	72	74	75	77	78	80	80
0.89	51	56	59	62	63	65	66	68	69	71	72	74	75	77	79	79
0.88	50	55	58	60	62	64	65	66	68	70	71	73	74	76	78	78
0.87	49	53	57	59	61	62	63	65	67	68	70	71	73	75	77	77
0.86	48	52	55	58	59	61	62	64	66	67	69	70	72	74	76	76

(Continued)

- 4
- 5
- 6
- 7 Table 2 "Pay Factors" on page 1-40 is revised to read:
- 8

**Table 2  
Pay Factors (continued)**

PAY FACTOR	Minimum Required Percent of Work Within Specification Limits for a Given Factor (P <sub>U</sub> + P <sub>L</sub> ) – 100															
	Category	n=3	n=4	n=5	n=6	n=7	n=8	n=9	n=10 to n=11	n=12 to n=14	n=15 to n=17	n=18 to n=22	n=23 to n=29	n=30 to n=42	n=43 to n=66	n=67 to ∞
0.85	46	51	54	56	58	60	61	62	64	66	67	69	71	72	75	75
0.84	45	49	53	55	57	58	60	61	63	65	66	68	70	71	73	73
0.83	44	48	51	54	56	57	58	60	62	64	65	67	69	70	72	72
0.82	43	47	50	53	54	56	57	59	61	62	64	66	67	69	71	71
0.81	41	46	49	51	53	55	56	58	59	61	63	64	66	68	70	70
0.80	40	44	48	50	52	54	55	56	58	60	62	63	65	67	69	69
0.79	39	43	46	49	51	52	54	55	57	59	61	62	64	66	68	68
0.78	38	42	45	48	50	51	52	54	56	58	59	61	63	65	67	67
0.77	36	41	44	46	48	50	51	53	55	57	58	60	62	64	66	66
0.76	35	39	43	45	47	49	50	52	54	56	57	59	61	63	65	65
0.75	33	38	42	44	46	48	49	51	53	54	56	58	60	62	64	64
REJECT	Values Less Than Those Shown Above															
Reject Quality Levels Less Than Those Specified for a 0.75 Pay Factor																
Note: If the value of (P <sub>U</sub> + P <sub>L</sub> ) - 100 does not correspond to a (P <sub>U</sub> + P <sub>L</sub> ) - 100 value in this table, use the next smaller (P <sub>U</sub> + P <sub>L</sub> ) - 100 value.																

- 9
- 10
- 11 **SECTION 1-07, LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC**
- 12 **April 4, 2011**
- 13 **1-07.2 Sales Tax**
- 14 The third sentence in the first paragraph is revised to read:
- 15

1 The Contractor shall contact the Contract Payment section of the Division of Accounting &  
2 Financial Services of the Department of Transportation, Olympia WA for questions on sales  
3 tax.  
4

5 The first sentence in the third paragraph is revised to read:  
6

7 The Contracting Agency will pay the retained percentage only if the Contractor has  
8 obtained from the State Department of Revenue a certificate showing that all Contract-  
9 related taxes have been paid (RCW 60.28.051).  
10

### 11 **1-07.9(1) General**

12 The second sentence in the fourth paragraph is revised to read:  
13

14 When the project involves highway Work, heavy Work and building Work, the Contract  
15 Provisions may list a Federal wage and fringe benefit rate for the highway Work, a separate  
16 Federal wage and fringe benefit rate for both the heavy Work and the building Work.  
17

### 18 **1-07.13(4) Repair of Damage**

19 The last sentence in the first paragraph is revised to read:  
20

21 For damage qualifying for relief under Sections 1-07.13(1), 1-07.13(2), 1-07.13(3), or 8-  
22 17.5, payment will be made in accordance with Section 1-09.4 using the estimated bid item  
23 "Reimbursement for Third Party Damage".  
24

### 25 **1-07.14 Responsibility for Damage**

26 The third, fourth and fifth paragraphs are revised to read:  
27

28 Subject to the limitations in this section and RCW 4.24.115 the Contractor shall indemnify,  
29 defend, and save harmless the State, Governor, Commission, Secretary, and all officers  
30 and employees of the State from all claims, suits, or actions brought for injuries to, or death  
31 of, any persons or damages resulting from construction of the Work or in consequence of  
32 any negligence or breach of contract regarding the Work, or the use of any improper  
33 materials in the Work, caused in whole or in part by any act or omission by the Contractor  
34 or the agents or employees of the Contractor during performance or at any time before final  
35 acceptance. In addition to any remedy authorized by law, the State may retain so much of  
36 the money due the Contractor as deemed necessary by the Engineer to ensure  
37 indemnification until disposition has been made of such suits or claims.  
38

39 Subject to the limitations in this section and RCW 4.24.115, the Contractor shall indemnify,  
40 defend, and save harmless any county, city, or region, its officers, and employees  
41 connected with the Work, within the limits of which county, city, or region the Work is being  
42 performed, all in the same manner and to the same extent as provided above for the  
43 protection of the State, its officers and employees, provided that no retention of money due  
44 the Contractor be made by the State except as provided in RCW 60.28, pending disposition  
45 of suits or claims for damages brought against the county, city, or district.  
46

47 Pursuant to RCW 4.24.115, where such claims, suits, or actions result from the concurrent  
48 negligence of (a) the indemnitee or the indemnitee's agents or employees and (b) the  
49 Contractor or the Contractor's agent or employees, the indemnity provisions provided in the  
50 preceding paragraphs of this section shall be valid and enforceable only to the extent of the  
51 Contractor's negligence or the negligence of its agents and employees.  
52

53 This section is supplemented with the following:  
54

1 THE CONTRACTOR SPECIFICALLY ASSUMES ALL POTENTIAL LIABILITY FOR  
2 ACTIONS BROUGHT BY EMPLOYEES OF THE CONTRACTOR AND, SOLELY FOR THE  
3 PURPOSE OF ENFORCING THE DEFENSE AND INDEMNIFICATION OBLIGATIONS  
4 SET FORTH IN SECTION 1-07.14, THE CONTRACTOR SPECIFICALLY WAIVES ANY  
5 IMMUNITY GRANTED UNDER THE STATE INDUSTRIAL INSURANCE LAW, RCW TITLE  
6 51. THIS WAIVER HAD BEEN MUTUALLY NEGOTIATED BY THE PARTIES. THE  
7 CONTRACTOR SHALL SIMILARLY REQUIRE THAT EACH SUBCONTRACTOR IT  
8 RETAINS IN CONNECTION WITH THE PROJECT COMPLY WITH THE TERMS OF THIS  
9 PARAGRAPH, WAIVE ANY IMMUNITY GRANTED UNDER RCW TITLE 51 AND ASSUME  
10 ALL LIABILITY FOR ACTIONS BROUGHT BY EMPLOYEES OF THE SUBCONTRACTOR.

### 12 **1-07.15 Temporary Water Pollution/Erosion Control**

13 The fourth paragraph is deleted.

### 15 **1-07.15(1) Spill Prevention, Control and Countermeasures Plan**

16 This section is deleted in its entirety and replaced with the following:

17  
18 The Contractor shall prepare and implement a project-specific spill prevention, control, and  
19 countermeasures plan (SPCC Plan) for the duration of the project. The Contractor shall  
20 submit the plan to the Project Engineer no later than the date of the preconstruction  
21 conference. No on-site construction activities may commence until the Contracting Agency  
22 accepts an SPCC Plan for the project. SPCC Plan template and guidance information is  
23 available at:

24 <http://www.wsdot.wa.gov/Environment/HazMat/SpillPrevention.htm>.

25  
26 The SPCC Plan shall address all fuels, petroleum products and hazardous materials, as  
27 defined in Chapter 447 of the WSDOT Environmental Procedures Manual (M 31-11).  
28 Occupational safety and health requirements that may pertain to SPCC Plan  
29 implementation are contained in, but not limited to, WAC 296-824 and WAC 296-843. The  
30 SPCC Plan shall address conditions that may be required by Section 3406 of the current  
31 International Fire Code, or as approved by the local Fire Marshal.

### 33 **Implementation Requirements**

34 The Contractor shall update the SPCC Plan throughout project construction so that the  
35 written plan reflects actual site conditions and practices. The Contractor shall update the  
36 SPCC Plan at least annually and maintain a copy of the updated SPCC Plan on the project  
37 site. The Contractor shall fully implement the SPCC Plan, as accepted and updated, at all  
38 times.

### 40 **SPCC Plan Element Requirements**

41 The SPCC Plan shall set forth the following information in the following order:

- 42  
43 1. Responsible Personnel  
44 Identify the names, titles, and contact information for the personnel responsible for  
45 implementing and updating the plan and for responding to spills.  
46
- 47 2. Spill Reporting  
48 List the names and telephone numbers of the Federal, State, and local agencies  
49 the Contractor shall notify in the event of a spill.  
50
- 51 3. Project and Site Information  
52 Describe the following items:  
53  
54 A. The project Work.

- B. The site location and boundaries.
- C. The drainage pathways from the site.
- D. Nearby waterways and sensitive areas and their distances from the site.

4. Potential Spill Sources

Describe each of the following for all potentially hazardous materials brought or generated on-site (including materials used for equipment operation, refueling, maintenance, or cleaning):

- A. Name of material and its intended use.
- B. Estimated maximum amount on-site at any one time.
- C. Location(s) (including any equipment used below the ordinary high water line) where the material will be staged, used, and stored and the distance(s) from nearby waterways and sensitive areas.

5. Pre-Existing Contamination

Describe any pre-existing contamination and contaminant sources (such as buried pipes or tanks) in the project area that are described in the Contract provisions and Plans. Identify equipment and work practices that shall be used to prevent the release of contamination.

6. Spill Prevention and Response Training

Describe how and when all project personnel, including refueling personnel and other Subcontractors, shall be trained in spill prevention, containment, and response and in the location of spill response kits.

7. Spill Prevention

Describe the following items:

- A. The contents and locations of spill response kits that the Contractor shall supply and maintain that are appropriately stocked, located in close proximity to hazardous materials and equipment, and immediately accessible.
- B. Security measures for potential spill sources to prevent accidental spills and vandalism.
- C. Methods used to prevent stormwater from contacting hazardous materials.
- D. Secondary containment for each potential spill source listed in 4, above. Secondary containment structures shall be in accordance with Section S9.D.9 of Ecology's Construction Storm water General NPDES Permit, where secondary containment means placing tanks or containers within an impervious structure capable of containing 110% of the volume contained in the largest tank within the containment structure. Double-walled tanks do not require additional secondary containment.

- 1 E. BMP Methods used to prevent discharges to ground or water during  
2 mixing and transfers of hazardous materials and fuel. Methods to control  
3 pollutants shall use BMPs in accordance with Ecology's Construction  
4 Stormwater General NPDES Permit. BMPs guidance is provided in  
5 Ecology's Stormwater Management Manuals, such as Volume II –  
6 Construction Stormwater Pollution Prevention, BMP C153 and Volume IV  
7 Source Control BMPs.  
8  
9 F. Refueling procedures for equipment that cannot be moved from below  
10 the ordinary high water line.  
11  
12 G. Daily inspection and cleanup procedures that ensure all equipment used  
13 below the ordinary high water line is free of all external petroleum-based  
14 products.  
15  
16 H. Routine equipment, storage area, and structure inspection and  
17 maintenance practices to prevent drips, leaks or failures of hoses, valves,  
18 fittings, containers, pumps, or other systems that contain or transfer  
19 hazardous materials.  
20  
21 I. Site inspection procedures and frequency.

22  
23 8. Spill Response

24 Outline the response procedures the Contractor shall follow for each scenario  
25 listed below, indicating that if hazardous materials are encountered or spilled  
26 during construction, the Contractor shall do everything possible to control and  
27 contain the material until appropriate measures can be taken. Include a  
28 description of the actions the Contractor shall take and the specific on-site spill  
29 response equipment that shall be used to assess the spill, secure the area,  
30 contain and eliminate the spill source, clean up spilled material, decontaminate  
31 equipment, and dispose of spilled and contaminated material.  
32

- 33 A. A spill of each type of hazardous material at each location identified in 4,  
34 above.  
35  
36 B. Stormwater that has come into contact with hazardous materials.  
37  
38 C. A release or spill of any pre-existing contamination and contaminant  
39 source described in 5, above.  
40  
41 D. A release or spill of any unknown pre-existing contamination and  
42 contaminant sources (such as buried pipes or tanks) encountered during  
43 project Work.  
44  
45 E. A spill occurring during Work with equipment used below the ordinary  
46 high water line.  
47

48 If the Contractor will use a Subcontractor for spill response, provide contact  
49 information for the Subcontractor under item 1 (above), identify when the  
50 Subcontractor shall be used, and describe actions the Contractor shall take while  
51 waiting for the Subcontractor to respond.  
52

53 9. Project Site Map

54 Provide a map showing the following items:

- 1  
2 A. Site location and boundaries.  
3  
4 B. Site access roads.  
5  
6 C. Drainage pathways from the site.  
7  
8 D. Nearby waterways and sensitive areas.  
9  
10 E. Hazardous materials, equipment, and decontamination areas identified in  
11 4, above.  
12  
13 F. Pre-existing contamination or contaminant sources described in 5,  
14 above.  
15  
16 G. Spill prevention and response equipment described in 7 and 8, above.

17  
18 10. Spill Report Forms

19 Provide a copy of the spill report form(s) that the Contractor shall use in the event  
20 of a release or spill.  
21

22 **Payment**

23 Payment will be made in accordance with Section 1-04.1 for the following bid item when it  
24 is included in the Proposal:  
25

26 "SPCC Plan," lump sum.  
27

28 When the written SPCC Plan is accepted by Contracting Agency, the Contractor shall  
29 receive 50-percent of the lump sum Contract price for the plan. The remaining 50-percent  
30 of the lump sum price will be paid after the materials and equipment called for in the Plan  
31 are mobilized to the project.  
32

33 The lump sum payment for "SPCC Plan" shall be full pay for all costs associated with  
34 creating and updating the accepted SPCC Plan, all costs associated with the set up of  
35 prevention measures, and implementing the current SPCC Plan as required by this  
36 Specification.  
37

38 As to other costs associated with releases or spills, including restocking spill kits, the  
39 Contractor may request payment as provided for in the Contract. No payment shall be  
40 made if the release or spill was caused by or resulted from the Contractor's operations,  
41 negligence, or omissions.  
42

43 **1-07.16(2). Vegetation Protection and Restoration**

44 The second paragraph is revised to read:  
45

46 Damage which may require replacement of vegetation includes torn bark stripping, broken  
47 branches, exposed root systems, cut root systems, poisoned root systems, compaction of  
48 surface soil and roots, puncture wounds, drastic reduction of surface roots or leaf canopy,  
49 changes in grade greater than 6-inches, or any other changes to the location that may  
50 jeopardize the survival or health of the vegetation to be preserved.  
51

52 The third paragraph is revised to read:  
53

1 When large roots of trees designated to be saved are exposed by the Contractor's  
2 operation, they shall be wrapped with heavy, moist material such as burlap or canvas for  
3 protection and to prevent excessive drying. The material shall be kept moist and securely  
4 fastened until the roots are covered to finish grade. All material and fastening material shall  
5 be removed from the roots before covering. All roots 1-inch or larger in diameter, which are  
6 damaged, shall be pruned with a sharp saw or pruning shear. Damaged, torn, or ripped  
7 bark shall be removed as designated by the Engineer at no additional cost to the  
8 Contracting Agency.

9  
10 The fourth paragraph is revised to read:

11  
12 Any pruning activity required to complete the Work as specified shall be performed by a  
13 Certified Arborist as designated by the Engineer.

### 14 15 **1-07.18 Public Liability and Property Damage Insurance**

16 This section is deleted in its entirety and replaced with the following:

#### 17 18 **1-07.18 Public Liability and Property Damage Insurance**

19 The Contractor shall obtain and keep in force the following policies of insurance. The  
20 policies shall be with companies or through sources approved by the State Insurance  
21 Commissioner pursuant to Chapter 48.05, RCW. Unless otherwise indicated below, the  
22 policies shall be kept in force from the execution date of the Contract until the date of  
23 acceptance by the Secretary ([Section 1-05.12](#)).

- 24  
25 1. Owners and Contractors Protective (OCP) Insurance providing bodily injury and  
26 property damage liability coverage with limits of \$3,000,000 per occurrence and, per  
27 project, in the aggregate for each policy period, written on Insurance Services Office  
28 (ISO) form CG0009 1204, together with Washington State Department of  
29 Transportation amendatory endorsement CG 2908 1195, specifying the Contracting  
30 Agency, the State, the Governor, the Commission, the Secretary, the Department and  
31 all officers and employees of the State as named insured.
- 32  
33 2. Commercial General Liability (CGL) Insurance written under ISO Form CG0001 or its  
34 equivalent with minimum limits of \$3,000,000 per occurrence and in the aggregate for  
35 each one year policy period. This coverage may be any combination of primary,  
36 umbrella or excess liability coverage affording total liability limits of not less than  
37 \$3,000,000 per occurrence and in the aggregate. Products and completed operations  
38 coverage shall be provided for a period of three years following Substantial Completion  
39 of the Work.
- 40  
41 3. Commercial Automobile Liability Insurance providing bodily injury and property  
42 damage liability coverage for all owned and nonowned vehicles assigned to or used in  
43 the performance of the Work with a combined single limit of not less than \$1,000, 000  
44 each occurrence. This coverage may be any combination of primary, umbrella or  
45 excess liability coverage affording total liability limits of not less than \$1,000,000 per  
46 occurrence with the State named as an additional insured or designated insured in  
47 connection with the Contractor's Performance of the Contract. If pollutants are to be  
48 transported, MCS 90 and CA 99 48 endorsements are required on the Commercial  
49 Automobile Liability insurance policy unless in-transit pollution risk is covered under a  
50 Pollution Liability insurance policy.
- 51  
52 4. The Contractor shall be Named Insured and the Contracting Agency, the State, the  
53 Governor, the Commission, the Secretary, the Department, all officers and employees  
54 of the State, and their respective members, directors, officers, employees, agents and

1 consultants (collectively the “Additional Insureds”) shall be included as Additional  
2 Insureds for all policies and coverages specified in this Section, with the exception of  
3 the OCP policy. Said insurance coverage shall be primary and non-contributory  
4 insurance with respect to the insureds and the Additional Insureds. Any insurance or  
5 self-insurance beyond that specified in this Contract that is maintained by any  
6 Additional Insured shall be in excess of such insurance and shall not contribute with it.  
7 All insurance coverage required by this Section shall be written and provided by  
8 “occurrence-based” policy forms rather than by “claims made” forms.  
9

10 All endorsements adding Additional Insureds to required policies shall be issued on (i)  
11 form CG 20 10 11 85 or a form deemed equivalent by the Contracting Agency,  
12 providing the Additional Insureds with all policies and coverages set forth in this  
13 Section, with the exception of the OCP and Commercial Auto policies or (ii) form CA 20  
14 48 or forms deemed equivalent by Contracting Agency, providing the Additional  
15 Insureds with all coverage’s required under the Commercial Automobile Liability.  
16

- 17 5. The coverage limits to be provided by Contractor for itself and to the Contracting  
18 Agency and Additional Insureds pursuant to this section or any Special Provision, shall  
19 be on a “per project” aggregate basis with the minimum limits of liability as set forth  
20 herein for both general liability and products/completed operations claims. The  
21 additional insured coverage required under this Section for products/completed  
22 operations claims shall remain in full force and effect for not less than three years  
23 following Substantial Completion of the project. If the Contractor maintains, at any  
24 time, coverage limits for itself in excess of limits set forth in this Section 1-07.18 or any  
25 Special Provision, then those additional coverage limits shall also apply to the  
26 Contracting Agency and the Additional Insureds. This includes, but is not limited to, any  
27 coverage limits provided under any risk financing program of any description, whether  
28 such limits are primary, excess, contingent or otherwise.  
29
- 30 6. All insurance policies and coverage’s required under Section 1-07.18 and Section 1-  
31 07.10 shall contain a waiver of subrogation against the Contracting Agency , the State,  
32 any Additional Insured and their respective departments, agencies, boards, and  
33 commissions and their respective officers, officials, agents, and employees for losses  
34 arising from Work performed by or on behalf of the Contractor. This waiver has been  
35 mutually negotiated by the parties.  
36
- 37 7. Where applicable, the Contractor shall cause each Subcontractor to provide insurance  
38 that complies with all applicable requirements of the Contractor-provided insurance as  
39 set forth herein, in circumstances where the Subcontractor is not covered by the  
40 Contractor-provided insurance. The Contractor shall have sole responsibility for  
41 determining the limits of coverage required, if any, to be obtained by Subcontractors,  
42 which determination shall be made in accordance with reasonable and prudent  
43 business practices. In the event that a Subcontractor is required to add the Contractor  
44 as an additional insured pursuant to its contract for Work at the Project, then the  
45 Contractor shall also cause each Subcontractor to include the Contracting Agency and  
46 the Additional Insureds as additional insureds as well, for primary and non-contributory  
47 limits of liability under each Subcontractor’s Commercial General Liability, Commercial  
48 Automobile Liability and, any other coverage’s which may be required pursuant to a  
49 “Special Provision”.  
50
- 51 8. Unless specifically noted otherwise in the Contract Documents, the parties to this  
52 Contract do not intend by any of the provisions of this Contract to cause the public or  
53 any member thereof or any other Person to be a third party beneficiary of the Contract  
54 Documents. Nothing in this Contract authorizes anyone not a party to this Contract or

1 a designated third party beneficiary to this Contract to maintain a suit for personal  
2 injuries or property damage pursuant to the terms or provisions of this Contract. It is  
3 the further intent of the Contracting Agency and the Contractor in executing the Form  
4 of Contract that no individual, firm, corporation or any combination thereof which  
5 supplies materials, labor, services, or equipment to the Contractor for the performance  
6 of the Work shall become thereby a third party beneficiary of this Contract.  
7

8 The Contract Documents shall not be construed to create a contractual relationship of  
9 any kind between the Contracting Agency and a Subcontractor or any other Person  
10 except the Contractor.  
11

12 9. The Owners and Contractors Protective Insurance policy shall not be subject to a  
13 deductible or contain provisions for a deductible. The Commercial General Liability  
14 policy and the Commercial Automobile Liability Insurance policy may, at the discretion  
15 of the Contractor, contain such provisions. If a deductible applies to any claim under  
16 these policies, then payment of that deductible will be the responsibility of the  
17 Contractor, notwithstanding any claim of liability against the Contracting Agency.  
18 However in no event shall any provision for a deductible provide for a deductible in  
19 excess of \$50,000.00.  
20

21 10. With the exception of the Commercial Automobile liability coverage, no policies of  
22 insurance required under this Section shall contain an arbitration or alternative dispute  
23 resolution clause applicable to disputes between the insurer and its insureds. Any and  
24 all disputes concerning (i) terms and scope of insurance coverage afforded by the  
25 policies required hereunder and/or (ii) extra contractual remedies and relief which may  
26 be afforded policy holders in connection with coverage disputes, shall be resolved in  
27 Washington Superior Court, applying Washington law.  
28

29 11. Prior to Contract execution, the Contractor shall file with the Department of  
30 Transportation, Contract Payment Section, P.O. Box 47420, Olympia, WA 98504-7420,  
31 ACORD Form Certificates of Insurance evidencing the minimum insurance coverages  
32 required under these Specifications. Within 30 days of being awarded a Contract, the  
33 Contractor shall provide the Department with complete copies, which may be  
34 electronic copies, of all insurance policies required under this section and any Special  
35 Provisions.  
36

37 12. The Contractor shall provide written notice to the Engineer of any policy cancellations  
38 and provide the Department of Transportation, Contract Payment Section, P.O. Box  
39 47420 Olympia, WA 98504-7420, by U.S Mail, notice of any policy cancellation within  
40 two business days of receipt of cancellation.  
41

42 13. Failure on the part of the Contractor to maintain the insurance as required, or to not  
43 provide certification and copies of the insurance prior to the time specified in  
44 subsection 11 above, shall constitute a material breach of Contract upon which the  
45 Contracting Agency may, after giving 5-business days notice to the Contractor to  
46 correct the breach, immediately terminate the Contract or, at its discretion, procure or  
47 renew such insurance and pay any and all premiums in connection therewith, with any  
48 sums so expended to be repaid to the Contracting Agency on demand, or at the sole  
49 discretion of the Contracting Agency, offset against funds due the Contractor from the  
50 Contracting Agency. All costs for insurance, including any payments of deductible  
51 amounts, shall be considered incidental to and included in the unit Contract prices and  
52 no additional payment will be made.  
53

1 **SECTION 1-08, PROSECUTION AND PROGRESS**

2 **April 4, 2011**

3 **1-08.1 Subcontracting**

4 The second and third sentences in the eighth paragraph are revised to read:

5  
6 This Certification shall be submitted to the Project Engineer on WSDOT form 421-023,  
7 "Quarterly Report of Amounts Paid as MBE/WBE Participants", quarterly for the State fiscal  
8 quarters: January 1 through March 31, April 1 through June 30, July 1 through September  
9 30, October 1 through December 31, and for any remaining portion of a quarter through  
10 Physical Completion of the Contract. The report is due 20 calendar days following the fiscal  
11 quarter end or 20-calendar days after Physical Completion of the Contract.  
12

13 The first sentence in the ninth paragraph is revised to read:

14  
15 On all projects funded with both Contracting Agency funds and Federal assistance the  
16 Contractor shall submit a "Quarterly Report of Amounts Credited as DBE Participation" on a  
17 quarterly basis in which DBE work is accomplished, for every quarter in which the Contract  
18 is active or upon completion of the project, as appropriate.  
19

20 The last sentence in the ninth paragraph is revised to read:

21  
22 When required, this "Quarterly Report of Amounts Credited as DBE Participation" is in lieu  
23 of WSDOT form 421-023, "Quarterly Report of Amounts Paid as MBE/WBE Participants".  
24

25 **1-08.5 Time for Completion**

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

27  
28 When any of these holidays fall on a Sunday, the following Monday shall be counted a  
29 nonworking day. When the holiday falls on a Saturday, the preceding Friday shall be  
30 counted a nonworking day. The days between December 25 and January 1 will be  
31 classified as nonworking days.  
32

33 Item number 2.c. in the sixth paragraph is revised to read:

- 34  
35 c. Quarterly Reports of Amounts Paid as MBE/WBE Participants, or Quarterly Reports of  
36 Amounts Credited as DBE Participation, as required by the Contract Provisions.  
37

38 **SECTION 1-09, MEASUREMENT AND PAYMENT**

39 **January 3, 2011**

40 **1-09.2(1) General Requirement for Weighing Equipment**

41 This section is revised to read:

42  
43 Unless specified otherwise, any Highway or Bridge construction materials to be  
44 proportioned or measured and paid for by weight shall be weighed on a scale.  
45

46 **Scales**

47 Scales shall:

- 48  
49 1. be accurate to within 0.5-percent of the correct weight throughout the range of  
50 use;

2. not include spring balances;
3. include beams, dials, or other reliable readout equipment;
4. be built to prevent scale parts from binding, vibrating, or being displaced and to protect all working parts and;
5. be carefully maintained, with bunkers and platforms kept clear of accumulated materials that could cause errors.

### **Scale Operations**

Contractor provided scale operations are defined as operations where a scale is set up by the Contractor specifically for the project and most, if not all, material weighed on the scale is utilized for Contract Work. In this situation, the Contractor shall provide a person to operate the project scale, write tickets, perform scale checks and prepare reports.

Commercial scale operations include the use of established scales used to sell materials to the public on a regular basis. In addition, for the purposes of this specification, all batch, hopper, and belt scales are considered to be commercial scales. When a commercial scale is used as the project scale, the Contractor may utilize a commercial scale operator provided it is at no additional cost to the contracting agency.

In addition, the Contractor shall ensure that:

1. the Engineer is allowed to observe the weighing operation and check the daily scale weight record;
2. scale verification checks are performed at the direction of the Contracting Agency (see Section 1-09.2(5));
3. several times each day, the scale operator records and makes certain the platform scale balances and returns to zero when the load is removed; and
4. test results and scale weight records for each day's hauling operations are provided to the Engineer daily. Unless otherwise approved, reporting shall utilize form 422-027, Scalemans' Daily Report.

### **Trucks and Tickets**

Each truck to be weighed shall bear a unique identification number. This number shall be legible and in plain view of the scale operator. Each vehicle operator shall obtain a weigh or load ticket from the scale operator. The Contracting Agency will provide item quantity tickets for scales that are not self-printing. The Contractor shall provide tickets for self-printing scales. All tickets shall, at a minimum, contain the following information:

1. date of haul;
2. contract number;
3. contract unit Bid item;
4. unit of measure;
5. identification number of hauling vehicle; and

- 1  
2 6. weight delivered  
3  
4 a. net weight in the case of batch and hopper scales  
5  
6 b. gross weight, tare and net weight in the case of platform scales (tare may be  
7 omitted if a tare beam is used)  
8  
9 c. approximate load out weight in the case of belt conveyor scales

10  
11 The vehicle operator shall deliver the ticket in legible condition to the material receiver at  
12 the material delivery point. The material delivery point is defined as the location where the  
13 material is incorporated into the permanent Work.  
14

### 15 **1-09.2(2) Specific Requirements for Batching Scales**

16 In the first paragraph, the last sentence is revised to read:

17  
18 Batching scales used for Portland Cement concrete or hot mix asphalt shall not be used for  
19 batching other materials.  
20

### 21 **1-09.2(3) Specific Requirements for Platform Scales**

22 In the first paragraph, the last sentence is revised to read:

23  
24 A tare weight shall be taken of each hauling vehicle at least once daily.  
25

26 The third paragraph is deleted.  
27

### 28 **1-09.2(5) Measurement**

29 This section is revised to read:  
30

#### 31 **Scale Verification Checks**

32 The Engineer will verify the accuracy of each batch, hopper or platform scale. The  
33 frequency of verification checks will be such that at least one test weekly is performed for  
34 each weighed contract item of work being performed during that week.  
35

36 Verification checks may not be routinely conducted for weighed material, who's proposal  
37 quantity multiplied by the unit bid price, has a value less than \$20,000.  
38

39 The verification will consist of one of the following methods and be at the Contractor's  
40 option:  
41

- 42 1. Weigh a loaded truck on a separate certified platform scale designated by the  
43 Contractor, for the purpose of scale verification.  
44  
45 2. Weigh a vehicle that weighs at least 10,000 pounds on a separate certified scale  
46 and then check the project scale with it.  
47  
48 3. Establish a certified fixed load weighing at least 10,000 pounds as a check-weight.  
49 The certification shall consist of an affidavit affirming the correct weight of the fixed  
50 load.  
51

52 Should the scale verification check reveal a weight difference of more than 0.5-percent, a  
53 second scale verification check shall be performed immediately. If the weight differences of

1 both comparison checks exceed the 0.5-percent limit, the Contractor shall immediately stop  
2 weighing and the scale shall be recertified at the Contractor's expense.  
3

#### 4 ***Belt Scales***

5 To test the accuracy of a belt-conveyor scale, the Contractor shall weigh five or more  
6 payloads from sequential hauling units and compare these weights with weights of the  
7 same payloads taken on a separate certified platform scale. If the test results fluctuate, the  
8 Engineer may require more than five check loads. Conveyor weights will be based on  
9 tonnage values taken from the sealed odometer at the beginning and end of each check  
10 period.

11  
12 If scale verification checks show the scale has been under weighing, it shall be adjusted  
13 immediately.  
14

15 If scale verification checks show the scale has been overweighing, its operation will cease  
16 immediately until adjusted.  
17

#### 18 ***Minor Construction Items***

19 If the specifications and plans require weight measurement for minor construction items,  
20 the Contractor may request permission to convert volume to weight. If the Engineer  
21 approves, an agreed factor may be used to make this conversion and volume may be used  
22 to calculate the corresponding weight for payment.  
23

### 24 **1-09.2(6) Payment**

25 This section is revised to read:  
26

27 Unless specified otherwise the Contracting Agency will pay for no materials received by  
28 weight unless they have been weighed as required in this section or as required by another  
29 method the Engineer has approved in writing.  
30

31 The Contractor shall not be compensated for any loss from under weighing that is revealed  
32 by scale verification checks.  
33

34 If scale verification checks reveal that the scale is over weighing, then payment for all  
35 material weighed since the last valid scale verification check will be adjusted. The  
36 contracting agency will calculate the combined weight of all materials weighed after the last  
37 verification check showing accurate results. This combined weight will then be reduced for  
38 payment by the percentage of scale error that exceeds 0.5-percent unless the Contractor  
39 demonstrates to the satisfaction of the Engineer that the defect in the scale was present for  
40 a lesser period of time.  
41

42 Unit contract prices for the various pay items of the project cover all costs related to  
43 weighing and proportioning materials for payment. These costs include but are not limited  
44 to:  
45

- 46 • furnishing, installing, certifying, and maintaining scales;
- 47
- 48 • providing a weigher to operate a Contractor provided scale;
- 49
- 50 • providing a weigher to operate a commercial scale, if necessary;
- 51
- 52 • providing self-printing tickets, if necessary;
- 53
- 54 • rerouting a truck for verification weighing;

- assisting the Engineer with scale verification checks;
- any other related costs associated with meeting the requirements of this section.

### **1-09.9 Payments**

The first paragraph is revised to read:

The basis of payment will be the actual quantities of Work performed according to the Contract and as specified for payment.

The Contractor shall submit a breakdown of the cost of lump sum Items to enable the Project Engineer to determine the Work performed on a monthly basis. Lump sum item breakdowns shall be submitted prior to the first progress payment that includes payment for the Bid Item in question. A breakdown is not required for lump sum items that include a basis for incremental payments as part of the respective Specification. Absent a lump sum breakdown the Project Engineer will make a determination based on information available. The Project Engineer's determination of the cost of work shall be final.

In the third paragraph, the second sentence is deleted.

### **1-09.11(1)A Disputes Review Board Membership**

This section is supplemented with the following new paragraph:

The Contracting Agency and Contractor shall indemnify and hold harmless the Board Members from and against all claims, damages, losses and expenses, including but not limited to attorney's fees arising out of and resulting from the actions and recommendations of the Board.

## **SECTION 1-10, TEMPORARY TRAFFIC CONTROL**

**April 4, 2011**

In Division 1-10, all references to "truck mounted" are revised to read "transportable".

### **1-10.1 General**

The following sentence is inserted at the beginning of this section:

Temporary traffic control refers to the control of all types of traffic, including vehicles, bicyclists, and pedestrians (including pedestrians with disabilities).

### **1-10.2(1)A Traffic Control Management**

Item number 2. in the first paragraph is revised to read:

2. Providing the Contractor's designated TCS with approved Traffic Control Plans (TCPs) which are compatible with the Work operations and traffic control for which they will be implemented. Having the latest adopted edition of the Manual On Uniform Traffic Control Devices for Streets and Highways (MUTCD,) including the Washington State Modifications to the MUTCD, the most current edition of the Public Rights-Of-Way Accessibility Guidelines (PROWAG), and applicable standards and Specifications available at all times on the project.

1  
2 **1-10.2(1)B Traffic Control Supervisor**

3 Item number 1. in the third paragraph is revised to read:

- 4  
5 1. Having a current set of approved traffic control plans (TCPs), applicable Contract  
6 Provisions as provided by the Contractor, the latest adopted edition of the MUTCD,  
7 including the Washington State Modifications to the MUTCD, the book Quality  
8 Guidelines for Temporary Work Zone Traffic Control Devices, the most current edition  
9 of the PROWAG, and applicable standards and Specifications.

10  
11 The third paragraph is supplemented with the following:

- 12  
13 7. Ensuring that all pedestrian routes or access points, existing or temporary, are kept  
14 clear and free of obstructions and that all temporary pedestrian routes or access points  
15 are detectable and accessible to persons with disabilities as provided for in the  
16 approved Plans.

17  
18 **1-10.2(2) Traffic Control Plans**

19 The second paragraph is revised to read:

20  
21 When the Contractor's chosen method of performing the Work in the Contract requires  
22 some form of temporary traffic control for vehicles, bicyclists, or pedestrians, the Contractor  
23 shall either: (1.) designate and adopt, in writing, the traffic control plan or plans from the  
24 Contract documents that support that method; or (2.) submit a Contractor's plan that  
25 modifies, supplements or replaces a plan from the Contract documents. Any Contractor-  
26 proposed modification, supplement or replacement shall show the necessary construction  
27 signs, flaggers, spotters and other traffic control devices required to support the Work. Any  
28 Contractor-proposed traffic control plan shall conform to the established standards for plan  
29 development as shown in the MUTCD, Part 6 and the most current edition of the  
30 PROWAG. The Contractor's submittal, either designating and adopting a traffic control plan  
31 from the Contract documents or proposing a Contractor-developed plan, shall be provided  
32 to the Engineer for approval at least 10-calendar days in advance of the time the signs and  
33 other traffic control devices are scheduled to be installed and utilized. The Contractor shall  
34 be solely responsible for submitting any proposed traffic control plan or modification,  
35 obtaining the Engineer's approval and providing copies of the approved Traffic Control  
36 Plans to the Traffic Control Supervisor.

37  
38 **1-10.2(3) Conformance to Established Standards**

39 The reference "(TMA's)" in the paragraph that starts with "Category 3" is deleted.

40  
41 The first paragraph is revised to read:

42  
43 Flagging, signs, and all other traffic control devices and procedures furnished or provided  
44 shall conform to the standards established in the latest WSDOT adopted edition of the  
45 Manual On Uniform Traffic Control Devices for Streets and Highways (MUTCD,) published  
46 by the U.S. Department of Transportation and the Washington State Modifications to the  
47 MUTCD and the most current edition of the Public Rights-Of-Way Accessibility Guidelines  
48 (PROWAG). Judgment of the quality of devices furnished will be based upon Quality  
49 Guidelines for Temporary Traffic Control Devices, published by the American Traffic Safety  
50 Services Association. Copies of the MUTCD and Quality Guidelines for Temporary Control  
51 Devices may be purchased from the American Traffic Safety Services Association, 15  
52 Riverside Parkway, Suite 100, Fredericksburg, Virginia 22406-1022. The Washington State  
53 Modifications to the MUTCD may be obtained from the Department of Transportation,  
54 Olympia, Washington 98504. The most current edition of the Public Rights-Of-Way

1 Accessibility Guidelines (PROWAG) can be downloaded from the United States Access  
2 Board web site (www. access-board.gov).

### 4 **1-10.3(1) Traffic Control Labor**

5 The first paragraph is revised to read:

7 The Contractor shall furnish all personnel for flagging, spotting, for the execution of all  
8 procedures related to temporary traffic control and for the setup, maintenance and removal  
9 of all temporary traffic control devices and construction signs necessary to control vehicular,  
10 bicycle, and pedestrian traffic during construction operations.

### 12 **1-10.3(2)C Lane Closure Setup/Takedown**

13 Item number 1 in the first paragraph is revised to read:

- 15 1. If the Plans show a portable changeable message sign, it shall be established in  
16 advance of the operation; far enough back to provide warning of both the operation  
17 and any queue of traffic that has formed during the operation.

19 In the second paragraph, the reference to "TMA/arrow board" is revised to read "transportable  
20 attenuator/arrow board".

### 22 **1-10.3(3) Traffic Control Devices**

23 The following paragraph is inserted at the beginning of this section:

25 Traffic control devices, including signs, furnished or provided shall conform to the standards  
26 established in the latest WSDOT adopted edition of the Manual On Uniform Traffic Control  
27 Devices for Streets and Highways (MUTCD,) published by the U.S. Department of  
28 Transportation and the Washington State Modifications to the MUTCD. Requirements for  
29 pedestrian traffic control devices are addressed in the MUTCD.

### 31 **1-10.3(3)A Construction Signs**

32 In the fourth paragraph "height" is replaced with "top of the ballast".

### 34 **1-10.3(3)J Truck Mounted Attenuator**

35 The title for this section is revised to read:

#### 37 **1-10.3(3)J Transportable Attenuator**

39 In the second and fourth paragraphs, the references to "TMA" are revised to read  
40 "Transportable Attenuator".

42 In the first paragraph, the first sentence is revised to read:

44 Where shown on an approved traffic control plan or where ordered by the Engineer, the  
45 Contractor shall provide, operate, and maintain transportable impact attenuators as  
46 required in Section 9-35.12.

48 In the third paragraph, the reference to "truck's" is revised to read "host vehicle's".

### 50 **1-10.4(2) Item Bids with Lump Sum for Incidentals**

51 All references to "Truck Mounted Impact Attenuator(s)" are revised to read "Transportable  
52 Attenuator(s)".

1 In the eighth paragraph, the first sentence is revised to read:

2  
3 "Transportable Attenuator" will be measured per each one time only for each host vehicle  
4 with mounted or attached impact attenuator used on the project.  
5

6 In the last sentence of the ninth paragraph, the reference to "TMA" is replaced with  
7 "transportable attenuator".  
8

9 This Section is supplemented with the following:

10  
11 No specific unit of measurement will apply to the lump sum item of "Pedestrian Traffic  
12 Control."  
13

#### 14 **1-10.5(2) Item Bids with Lump Sum for Incidentals**

15 All references to "truck mounted impact attenuator(s)" are revised to read "transportable  
16 attenuator(s)".  
17

18 This Section is supplemented with the following:

19 "Pedestrian Traffic Control", lump sum.

20 The lump sum Contract payment shall be full compensation for all costs of labor and  
21 materials incurred by the Contractor in performing pedestrian traffic control Contract Work  
22 defined in Section 1-10.  
23  
24

### 25 **SECTION 2-01, CLEARING, GRUBBING, AND ROADSIDE CLEANUP** 26 **April 5, 2010**

#### 27 **2-01.3(2) Grubbing**

28 In the first paragraph Item 2. e. is revised to read:

29  
30 e. Upon which embankments will be placed except stumps may be close-cut or trimmed  
31 as allowed in Section 2-01.3(1) item 3.  
32

### 33 **SECTION 2-02, REMOVAL OF STRUCTURES AND OBSTRUCTIONS** 34 **January 4, 2010**

#### 35 **2-02.3 Construction Requirements**

36 The fourth paragraph is revised to read:

37  
38 The Contractor may dispose of waste material in Contracting Agency owned sites if the  
39 Special Provisions or the Engineer permits it. Otherwise, the Contractor shall arrange to  
40 dispose of waste at no expense to the Contracting Agency and the disposal shall meet the  
41 requirements of Section 2-03.3(7)C.  
42

### 43 **SECTION 2-09, STRUCTURE EXCAVATION** 44 **January 3, 2011**

#### 45 **2-09.3(1)E Backfilling**

46 The sixth paragraph is revised to read:

1  
2 The water/cement ratio shall be calculated on the total weight of cementitious material.  
3 Cementitious materials are those listed in Section 5-05.2.  
4

## 5 **2-09.3(2) Classification of Structure Excavation**

6 Item number 1 is revised to read:  
7

- 8 1. **Class A.** Structure excavation required for bridge and retaining wall footings,  
9 geosynthetic retaining wall footings, structural earth walls and sign structure footings,  
10 pile or drilled shaft caps, seals, wingwall footings, detention vaults, and noise barrier  
11 wall footings shall be classified as Structure excavation Class A. If the excavation  
12 requires a cofferdam, structural shoring, or extra excavation, the work outside the neat  
13 lines of the Structure excavation Class A shall be classified as shoring or extra  
14 excavation Class A.  
15

## 16 **2-09.3(3)D Shoring and Cofferdams**

17 The 14th paragraph is revised to read:  
18

19 If soldier piles are placed in drilled holes, and lagging is installed concurrently with the  
20 excavation, all backfill above the bottom of the lagging shall consist of controlled density fill  
21 or lean concrete. Backfill below the bottom of the lagging may consist of pea gravel. If full-  
22 height steel sheet lagging is installed prior to excavation, soldier pile holes may be  
23 backfilled with pea gravel.  
24

## 25 **2-09.4 Measurement**

26 The second sentence in the second paragraph, "**Horizontal Limits**", is supplemented with the  
27 following:  
28

- 29 (4) more than 1-foot outside the perimeter of the soil reinforcement area for geosynthetic  
30 and structural earth walls.  
31

## 32 **SECTION 8-01, EROSION CONTROL AND WATER POLLUTION CONTROL** 33 **April 4, 2011**

### 34 **8-01.2 Materials**

35 In the first paragraph, the following is inserted after the first sentence:  
36

37 Corrugated Polyethylene Drain Pipe 9-05.1(6)  
38

### 39 **8-01.3(1) General**

40 In the sixth paragraph, the first sentence is revised to read:  
41

42 When natural elements rut or erode the slope, the Contractor shall restore and repair the  
43 damage with the eroded material where possible, and remove and dispose of any  
44 remaining material found in ditches and culverts.  
45

46 In the seventh paragraph the first two sentences are deleted.  
47

48 The table in the seventh paragraph is revised to read:  
49

### 50 **Western Washington (West of the Cascade Mountain crest)**

1 May 1 through September 30 17 Acres  
2 October 1 through April 30 5 Acres

3  
4 **Eastern Washington (East of the Cascade Mountain crest.)**

5 April 1 through October 31 17 Acres  
6 November 1 through March 31 5 Acres

7  
8 The eighth paragraph is revised to read:

9  
10 The Engineer may increase or decrease the limits based on project conditions.

11  
12 The ninth paragraph is revised to read:

13  
14 Erodible earth is defined as any surface where soils, grindings, or other materials may be  
15 capable of being displaced and transported by rain, wind, or surface water runoff.

16  
17 The 10th paragraph is revised to read:

18  
19 Erodible earth not being worked, whether at final grade or not, shall be covered within the  
20 specified time period, (see the tables below) using an approved soil covering practice.

21  
22 **Western Washington (West of the Cascade Mountain crest)**

23 October 1 through April 30 2-days maximum  
24 May 1 to September 30 7-days maximum

25  
26  
27 **Eastern Washington (East of the Cascade Mountain crest.)**

28 October 1 through June 30 5-days maximum  
29 July 1 through September 30 10-days maximum

30  
31 **8-01.3(1)A Submittals**

32 This section is revised to read:

33  
34 When a Temporary Erosion and Sediment Control (TESC) Plan is included in the Plans, the  
35 Contractor shall either adopt or modify the existing TESC Plan. If modified, the Contractor's  
36 TESC Plan shall meet all requirements of Chapter 6-2 of the current edition of the WSDOT  
37 Highway Runoff Manual. The Contractor shall provide a schedule for TESC Plan  
38 implementation and incorporate it into the Contractor's progress schedule. The Contractor  
39 shall obtain the Engineer's approval of the TESC Plan and schedule prior to the beginning  
40 of Work. The TESC Plan shall cover all areas that maybe affected inside and outside the  
41 limits of the project (including all Contracting Agency-provided sources, disposal sites, and  
42 haul roads, and all nearby land, streams, and other bodies of water).

43  
44 The Contractor shall allow at least 5-working days for the Engineer to review any original or  
45 revised TESC Plan. Failure to approve all or part of any such Plan shall not make the  
46 Contracting Agency liable to the Contractor for any Work delays.

47  
48 **8-01.3(1)B Erosion and Sediment Control (ESC) Lead**

49 In the last paragraph, "Form Number 220-030 EF" is revised to read "WSDOT Form Number  
50 220-030 EF".

51  
52 **8-01.3(1)C Water Management**

53 In number 2., the reference to "Standard Specification" is revised to read "Section".  
54

1 Number 3., is revised to read:  
2

3 3. Offsite Water

4 Prior to disruption of the normal watercourse, the Contractor shall intercept the offsite  
5 stormwater and pipe it either through or around the project site. This water shall not be  
6 combined with onsite stormwater. It shall be discharged at its pre-construction outfall  
7 point in such a manner that there is no increase in erosion below the site. The method  
8 for performing this Work shall be submitted by the Contractor for the Engineer's  
9 approval.  
10

11 **8-01.3(1)D Dispersion/Infiltration**

12 This section is revised to read:  
13

14 Water shall be conveyed only to dispersion or infiltration areas designated in the TESC  
15 Plan or to sites approved by the Engineer. Water shall be conveyed to designated  
16 dispersion areas at a rate such that, when runoff leaves the area, and enters waters of the  
17 State, turbidity standards are achieved. Water shall be conveyed to designated infiltration  
18 areas at a rate that does not produce surface runoff.  
19

20 **8-01.3(2)B Seeding and Fertilizing**

21 The fourth paragraph is revised to read:  
22

23 The seed applied using a hydroseeder shall have a tracer added to visibly aid uniform  
24 application. This tracer shall not be harmful to plant, aquatic or animal life. If Short Term  
25 Mulch is used as a tracer, the application rate shall not exceed 250-pounds per acre.  
26

27 In the fifth paragraph, "hydro seeder" is revised to read "hydroseeder".  
28

29 **8-01.3(2)D Mulching**

30 In the second paragraph, the second sentence is revised to read:  
31

32 Wood strand mulch shall be applied by hand or by straw blower on seeded areas.  
33

34 In the third paragraph, "1" is revised to read "a single" and "hydro seeder" is revised to read  
35 "hydroseeder".  
36

37 The fourth paragraph is revised to read:  
38

39 Temporary seed applied outside the application windows established in 8-01.3(2)F shall be  
40 covered with a mulch containing either Moderate Term Mulch or Long Term Mulch, as  
41 designated by the Engineer.  
42

43 **8-01.3(2)E Tacking Agent and Soil Binders**

44 The following new paragraph is inserted at the beginning of this Section:  
45

46 Tacking agent or soil binders applied using a hydroseeder shall have a mulch tracer added  
47 to visibly aid uniform application. This tracer shall not be harmful to plant, aquatic or animal  
48 life. If Short Term Mulch is used as a tracer, the application rate shall not exceed 250-  
49 pounds per acre.  
50

51 The third sentence in the first paragraph below "**Soil Binding Using Polyacrylamide (PAM)**" is  
52 revised to read:  
53

1 A minimum of 200-pounds per acre of Short Term Mulch shall be applied with the dissolved  
2 PAM.

3  
4 In the second paragraph below “**Soil Binding Using Polyacrylamide (PAM)**”, “within” is  
5 revised to read “after”.

6  
7 The paragraph “**Soil Binding Using Bonded Fiber Matrix (BFM)**” including title is revised to  
8 read:

9  
10 **Soil Binding Using Moderate Term Mulch**

11 The Moderate Term Mulch shall be hydraulically applied in accordance with the  
12 manufacturer’s installation instructions. The Moderate Term Mulch may require a 24 to 48  
13 hour curing period to achieve maximum performance and shall not be applied when  
14 precipitation is predicted within 24 to 48 hours, or on saturated soils, as determined by the  
15 Engineer.

16  
17 The last paragraph including titled is revised to read:

18  
19 **Soil Binding Using Long Term Mulch**

20 The Long Term Mulch shall be hydraulically applied in accordance with the manufacturer’s  
21 installation instructions and recommendations.

22  
23 **8-01.3(2)F Dates for Application of Final Seed, Fertilizer, and Mulch**

24 The first paragraph is revised to read:

25  
26 Unless otherwise approved by the Engineer, the final application of seeding, fertilizing, and  
27 mulching of slopes shall be performed during the following periods:

28  
29

<u>Western Washington</u> <sup>1</sup>	<u>Eastern Washington</u>
(West of the Cascade Mountain crest)	(East of the Cascade Mountain crest)
March 1 through May 15	October 1 through November 15 only
September 1 through October 1	

30  
31  
32  
33  
34 <sup>1</sup> Where Contract timing is appropriate, seeding, fertilizing, and mulching shall be  
35 accomplished during the fall period listed above. Written permission to seed after  
36 October 1 will only be given when Physical Completion of the project is imminent and the  
37 environmental conditions are conducive to satisfactory growth.

38  
39 **8-01.3(2)G Protection and Care of Seeded Areas**

40 The first paragraph is revised to read:

41  
42 The Contractor shall be responsible to ensure a healthy stand of grass. The Contractor  
43 shall restore eroded areas, clean up and properly dispose of eroded materials, and reapply  
44 the seed, fertilizer, and mulch, at no additional cost to the Contracting Agency.

45  
46 In the second paragraph, number 1. is revised to read:

- 47  
48 1. At the Contractor’s expense, seed, fertilizer and mulch shall be reapplied in areas that  
49 have been damaged through any cause prior to final inspection, and reapplied to areas  
50 that have failed to receive a uniform application at the specified rate.

1 **8-01.3(2)H Inspection**

2 The first sentence is revised to read:

3  
4 Inspection of seeded areas will be made upon completion of seeding, temporary seeding,  
5 fertilizing, and mulching.  
6

7 The third sentence is revised to read:

8  
9 Areas that have not received a uniform application of seed, fertilizer, or mulch at the  
10 specified rate, as determined by the Engineer, shall be reseeded, refertilized, or remulched  
11 at the Contractor's expense prior to payment.  
12

13 **8-01.3(2)I Mowing**

14 In the first paragraph, the last sentence is revised to read:

15  
16 Trimming around traffic facilities, Structures, planting areas, or other features extending  
17 above ground shall be accomplished preceding or simultaneously with each mowing.  
18

19 **8-01.3(3) Placing Erosion Control Blanket**

20 In the first sentence, "Standard" is deleted.

21  
22 The second sentence is revised to read:

23  
24 Temporary erosion control blankets, having an open area of 60-percent or greater, may be  
25 installed prior to seeding.  
26

27 **8-01.3(4) Placing Compost Blanket**

28 In the first paragraph, "before" is revised to read "prior to".

29  
30 The last sentence is revised to read:

31  
32 Compost shall be Coarse Compost  
33

34 **8-01.3(5) Placing Plastic Covering**

35 The first sentence is revised to read:

36  
37 Plastic shall be placed with at least a 12-inch overlap of all seams.  
38

39 **8-01.3(6)A Geotextile-Encased Check Dam**

40 The first paragraph is deleted.

41  
42 **8-01.3(6)B Rock Check Dam**

43 This section including title is revised to read:

44  
45 **8-01.3(6)B Quarry Spall Check Dam**

46 The rock used to construct rock check dams shall meet the requirements for quarry spalls.  
47

48 **8-01.3(6)D Wattle Check Dam**

49 This section is revised to read:

50  
51 Wattle check dams shall be installed in accordance with the Plans.  
52

1 **8-01.3(6)E Coir Log**

2 This section is revised to read:

3  
4 Coir logs shall be installed in accordance with the Plans.

5  
6 **8-01.3(9)A Silt Fence**

7 In the second paragraph, the second sentence is revised to read:

8  
9 The strength of the wire or plastic mesh shall be equivalent to or greater than what is  
10 required in Section 9-33.2(1), Table 6 for unsupported geotextile (i.e., 180 lbs. grab tensile  
11 strength in the machine direction).

12  
13 **8-01.3(9)B Gravel Filter, Wood Chip or Compost Berm**

14 In the second paragraph, the last sentence is deleted.

15  
16 The third paragraph is revised to read:

17  
18 The Compost Berm shall be constructed in accordance with the detail in the Plans.  
19 Compost shall be Coarse Compost.

20  
21 **8-01.3(9)C Straw Bale Barrier**

22 This section is revised to read:

23  
24 Straw Bale Barriers shall be installed in accordance with the Plans.

25  
26 **8-01.3(9)D Inlet Protection**

27 The first three paragraphs are revised to read:

28  
29 Inlet protection shall be installed below or above, or as a prefabricated cover at each inlet  
30 grate, as shown in the Plans. Inlet protection devices shall be installed prior to beginning  
31 clearing, grubbing, or earthwork activities.

32  
33 Geotextile fabric in all prefabricated inlet protection devices shall meet or exceed the  
34 requirements of Section 9-33.2, Table 1 for Moderate Survivability, and the minimum  
35 filtration properties of Table 2.

36  
37 When the depth of accumulated sediment and debris reaches approximately  $\frac{1}{2}$  the height  
38 of an internal device or  $\frac{1}{3}$  the height of the external device (or less when so specified by the  
39 manufacturer) or as designated by the Engineer, the deposits shall be removed and  
40 stabilized on site in accordance with Section 8-01.3(16).

41  
42 **8-01.3(10) Wattles**

43 In the first paragraph, the third sentence is revised to read:

44  
45 Excavated material shall be spread evenly along the uphill slope and be compacted using  
46 hand tamping or other method approved by the Engineer.

47  
48 This section is supplemented with the following new paragraph:

49  
50 The Contractor shall exercise care when installing wattles to ensure that the method of  
51 installation minimizes disturbance of waterways and prevents sediment or pollutant  
52 discharge into waterbodies.

1 **8-01.3(12) Compost Sock**

2 In the first paragraph, "sock" is revised to read "socks" and "streambed" is revised to read  
3 "waterbodies".

4  
5 In the second paragraph "bank" is revised to read "slope".

6  
7 In the third paragraph "and" is revised to read "or".

8  
9 This section is supplemented with the following new paragraph:

10  
11 Compost for Compost Socks shall be Coarse Compost.

12  
13 **8-01.3(14) Temporary Pipe Slope Drain**

14 The first paragraph is revised to read:

15  
16 Temporary pipe slope drain shall be Corrugated Polyethylene Drain Pipe and shall be  
17 constructed in accordance with the Plans

18  
19 The last paragraph is revised to read:

20  
21 Placement of outflow of the pipe shall not pond water on road surface.

22  
23 **8-01.3(15) Maintenance**

24 In the fourth paragraph, the last sentence is revised to read:

25  
26 Clean sediments may be stabilized on site using approved BMPs as approved by the  
27 Engineer.

28  
29 **8-01.3(16) Removal**

30 In the second paragraph, the last sentence is revised to read:

31  
32 This may include, but is not limited to, ripping the soil, incorporating soil amendments, and  
33 seeding with the specified seed.

34  
35 **8-01.4 Measurement**

36 The eighth paragraph is revised to read:

37  
38 Silt fence, gravel filter, compost berms, and wood chip berms will be measured by the linear  
39 foot along the ground line of completed barrier.

40  
41 **8-01.5 Payment**

42 The following bid items are relocated after the bid item "Check Dam":

43  
44 "Inlet Protection", per each.

45  
46 "Gravel Filter Berm", per linear foot.

47  
48 The following new paragraph is inserted before the bid item "Stabilized Construction Entrance":

49  
50 The unit Contract price per linear foot for "Check Dam" and "Gravel Filter Berm" and per  
51 each for "Inlet Protection" shall be full pay for all equipment, labor and materials to perform  
52 the Work as specified, including installation, removal and disposal at an approved disposal  
53 site.

1  
2 The paragraph after the bid item "Temporary Curb" is revised to read:

3  
4 The unit Contract price per linear foot for "Temporary Curb" shall include all costs to install,  
5 maintain, remove, and dispose of the temporary curb.  
6

7 The following bid item is inserted after the bid item "Mulching with Pam":

8  
9 "Mulching with Short Term Mulch", per acre.

10  
11 The bid item "Mulching with BFM" is revised to read:

12  
13 "Mulching with Moderate Term Mulch"

14  
15 The bid item "Mulching with MBFM/FRM" is revised to read:

16  
17 "Mulching with Long Term Mulch"  
18  
19

20 **SECTION 8-12, CHAIN LINK FENCE AND WIRE FENCE**  
21 **April 4, 2011**

22 **8-12.5 Payment**

23 The following new paragraph is inserted after the bid item "Chain Link Fence Type \_\_\_\_":

24  
25 The unit contract price per linear foot for "Chain Link Fence Type \_\_\_\_" shall be full  
26 compensation for brace posts installation and all other requirements for Chain Link Fence,  
27 of Section 8-12, unless covered in a separate bid item in this subsection.  
28

29 **SECTION 9-14, EROSION CONTROL AND ROADSIDE PLANTING**  
30 **April 4, 2011**

31 Section 9-14 is deleted in its entirety and replaced with the following:

32  
33 **9-14.1 Soil**

34  
35 **9-14.1(1) Topsoil Type A**

36 Topsoil Type A shall be as specified in the Special Provisions.  
37

38 **9-14.1(2) Topsoil Type B**

39 Topsoil Type B shall be native topsoil taken from within the project limits either from the  
40 area where roadway excavation is to be performed or from strippings from borrow, pit, or  
41 quarry sites, or from other designated sources. The general limits of the material to be  
42 utilized for topsoil will be indicated in the Plans or in the Special Provisions. The Engineer  
43 will make the final determination of the areas where the most suitable material exists within  
44 these general limits. The Contractor shall reserve this material for the specified use.  
45 Material for Topsoil Type B shall not be taken from a depth greater than 1 foot from the  
46 existing ground unless otherwise designated by the Engineer.  
47

1 In the production of Topsoil Type B, all vegetative matter less than 4 feet in height, shall  
2 become a part of the topsoil. Prior to topsoil removal, the Contractor shall reduce the native  
3 vegetation to a height not exceeding 1 foot. Noxious weeds, as designated by authorized  
4 State and County officials, shall not be incorporated in the topsoil, and shall be removed  
5 and disposed of as designated elsewhere or as approved by the Engineer.  
6

### 7 **9-14.1(3) Topsoil Type C**

8 Topsoil Type C shall be native topsoil meeting the requirements of Topsoil Type B but  
9 obtained from a source provided by the Contractor outside of the Contracting Agency  
10 owned right of way.  
11

### 12 **9-14.2 Seed**

13 Grasses, legumes, or cover crop seed of the type specified shall conform to the standards  
14 for "Certified" grade seed or better as outlined by the State of Washington Department of  
15 Agriculture "Rules for Seed Certification," latest edition. Seed shall be furnished in standard  
16 containers on which shall be shown the following information:  
17

- 18 1. Common and botanical names of seed
  - 19 2. Lot number
  - 20 3. Net weight
  - 21 4. Pure live seed
- 
- 22

23 All seed vendors must have a business license issued by the Washington State  
24 Department of Licensing with a "seed dealer" endorsement. Upon request, the Contractor  
25 shall furnish the Engineer with copies of the applicable licenses and endorsements.  
26

27 Upon request, the Contractor shall furnish to the Engineer duplicate copies of a statement  
28 signed by the vendor certifying that each lot of seed has been tested by a recognized seed  
29 testing laboratory within six months before the date of delivery on the project. Seed which  
30 has become wet, moldy, or otherwise damaged in transit or storage will not be accepted.  
31

### 32 **9-14.3 Fertilizer**

33 Fertilizer shall be a standard commercial grade of organic or inorganic fertilizer of the kind  
34 and quality specified. It may be separate or in a mixture containing the percentage of total  
35 nitrogen, available phosphoric acid, water-soluble potash, or sulfur in the amounts  
36 specified. All fertilizers shall be furnished in standard unopened containers with weight,  
37 name of plant nutrients, and manufacturer's guaranteed statement of analysis clearly  
38 marked, all in accordance with State and Federal laws.  
39

40 Fertilizer shall be supplied in one of the following forms:

- 41
- 42 1. A dry free-flowing granular fertilizer, suitable for application by agricultural fertilizer  
43 spreader.
- 44
- 45 2. A soluble form that will permit complete suspension of insoluble particles in water,  
46 suitable for application by power sprayer.
- 47
- 48 3. A homogeneous pellet, suitable for application through a ferti-blast gun.
- 49
- 50 4. A tablet or other form of controlled release with a minimum of a six month release  
51 period.
- 52
- 53 5. A liquid suitable for application by a power sprayer or hydroseeder.
- 54

1 **9-14.4 Mulch and Amendments**

2 All amendments shall be delivered to the site in the original, unopened containers bearing  
3 the manufacturer's guaranteed chemical analysis and name. In lieu of containers,  
4 amendments may be furnished in bulk. A manufacturer's certificate of compliance shall  
5 accompany each delivery. Compost and other organic amendments shall be accompanied  
6 with all applicable health certificates and permits.  
7

8 **9-14.4(1) Straw**

9 Straw shall be in an air dried condition free of noxious weeds, seeds, and other materials  
10 detrimental to plant life. Hay is not acceptable.  
11

12 All straw material shall be Certified Weed Free Straw using North American Weed  
13 Management Association (NAWMA) standards or the Washington Wilderness Hay and  
14 Mulch (WWHAM) program run by the Washington State Noxious Weed Control Board.  
15 Information can be found at <http://www.nwcb.wa.gov/http://www.nwcb.wa.gov/>  
16

17 In lieu of Certified Weed Free Straw, the Contractor shall provide documentation that the  
18 material is steam or heat treated to kill seeds, or shall provide U.S., Washington, or other  
19 State's Department of Agriculture laboratory test reports, dated within 90 days prior to the  
20 date of application, showing there are no viable seeds in the straw.  
21

22 Straw mulch shall be suitable for spreading with mulch blower equipment.  
23

24 **9-14.4(2) Hydraulically Applied Erosion Control Products (HECPs)**

25 All HECPs shall be biodegradable and in a dry condition free of noxious weeds, seeds,  
26 chemical printing ink, germination inhibitors, herbicide residue, chlorine bleach, rock, metal,  
27 plastic, and other materials detrimental to plant life. Up to 5 percent by weight may be  
28 photodegradable material.  
29

30 The HECP shall be suitable for spreading with a hydroseeder.  
31

32 All HECPs shall be furnished premixed by the manufacturer with Type A or Type B Tackifier  
33 as specified in 9-14.4(7). Under no circumstances will field mixing of additives or  
34 components be acceptable.  
35

36 The Contractor shall provide test results, dated within three years prior to the date of  
37 application, from an independent, accredited laboratory, as approved by the Engineer,  
38 showing the product meets the following requirements:  
39

Properties	Test Method	Requirements
Acute Toxicity	EPA-821-R-02-012 Methods for Measuring Acute Toxicity of Effluents. Test leachate from recommended application rate receiving 2 inches of rainfall per hour using static test for No-Observed-Adverse- Effect-Concentration (NOEC)	Four replicates are required with No statistically significant reduction in survival in 100% leachate for a Daphnid at 48 hours and <i>Oncorhynchus mykiss</i> (rainbow trout) at 96 hours
Solvents	EPA 8260B	Benzene - < 0.03 mg/kg Methylene chloride – 0.02 mg/kg

		Naphthalene – < 5 mg/kg Tetrachloroethylene – < 0.05 mg/kg Toluene – < 7 mg/kg Trichloroethylene – < 0.03 mg/kg Xylenes – < 9 mg/kg		
Heavy Metals	EPA 6020A Total Metals	Antimony – < 4 mg/kg Arsenic – < 6 mg/kg Barium – < 80 mg/kg Boron – < 100 mg/kg Cadmium – < 2 mg/kg Chromium – < 2 mg/kg Copper – < 5 mg/kg Lead – < 5 mg/kg Mercury – < 2 mg/kg Nickel – < 2 mg/kg Selenium – < 10 mg/kg Strontium – < 30 mg/kg Zinc – < 5 mg/kg		
Water Holding Capacity	ASTM D 7367	900 percent minimum		
Organic Matter Content	ASTM D 586	90 percent minimum		
Moisture Content	ASTM D 644	15 percent maximum		
Seed Germination Enhancement	ASTM D 7322	Long Term	Moderate Term	Short Term
		420 percent minimum	400 percent minimum	200 percent minimum

If the HECP contains cotton or straw, the Contractor shall provide documentation that the material has been steam or heat treated to kill seeds, or shall provide U.S., Washington, or other State's Department of Agriculture laboratory test reports, dated within 90 days prior to the date of application, showing there are no viable seeds in the mulch.

The HECP shall be manufactured in such a manner that when agitated in slurry tanks with water, the fibers will become uniformly suspended, without clumping, to form a homogeneous slurry. When hydraulically applied, the material shall form a strong moisture-holding mat that allows the continuous absorption and infiltration of water.

The HECP shall contain a dye to facilitate placement and inspection of the material. Dye shall be non-toxic to plants, animals, and aquatic life and shall not stain concrete or painted surfaces.

The HECP shall be furnished with a Material Safety Data Sheet (MSDS) that demonstrates that the product is not harmful to plants, animals, and aquatic life.

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

Long Term Mulch shall demonstrate the ability to adhere to the soil and create a blanket-like mass within two hours of application and shall bond with the soil surface to create a continuous, porous, absorbent, and flexible erosion resistant blanket that allows for seed

1 germination and plant growth and conforms to the requirements in Table 1 Long Term  
2 Mulch Test Requirements.

3  
4 The Contractor shall provide test results documenting the mulch meets the requirements in  
5 Table 1 Long Term Mulch Test Requirements.

6  
7 Prior to January 1, 2012, the Contractor shall supply independent ASTM D 6459 test results  
8 from one of the following testing facilities:

9  
10 National Transportation Product Evaluation Program (NTPEP)  
11 Utah State University's Utah Water Research Laboratory  
12 Texas Transportation Institute  
13 San Diego State University's Soil Erosion Research Laboratory  
14 TRI Environmental, Inc  
15

16 Effective January 1, 2012, the Contractor shall supply independent test results from the  
17 National Transportation Product Evaluation Program (NTPEP).  
18  
19

**Table 1 Long Term Mulch Test Requirements**

Properties	Test Method	Requirements
Performance in Protecting Slopes from Rainfall-Induced Erosion	ASTM D 6459 - Test in one soil type. Soil tested shall be sandy loam as defined by the NRCS Soil Texture Triangle	C Factor = 0.01 maximum using Revised Universal Soil Loss Equation (RUSLE)

20  
21 **9-14.4(2)B Moderate Term Mulch**

22 Within 48 hours of application, the Moderate Term Mulch shall bond with the soil surface to  
23 create a continuous, absorbent, flexible erosion resistant blanket that allows for seed  
24 germination and plant growth and conform to the requirements in Table 2 Moderate Term  
25 Mulch Test Requirements.

26  
27 The Contractor shall provide test results documenting the mulch meets the requirements in  
28 Table 2 Moderate Term Mulch Test Requirements.

29  
30 Prior to January 1, 2012, the Contractor shall supply independent ASTM D 6459 test results  
31 from one of the following testing facilities:

32  
33 National Transportation Product Evaluation Program (NTPEP)  
34 Utah State University's Utah Water Research Laboratory  
35 Texas Transportation Institute  
36 San Diego State University's Soil Erosion Research Laboratory  
37 TRI Environmental, Inc  
38

39 Effective January 1, 2012, the Contractor shall supply independent test results from the  
40 National Transportation Product Evaluation Program (NTPEP).  
41  
42

**Table 2 Moderate Term Mulch Test Requirements**

Properties	Test Method	Requirements
Performance in Protecting Slopes from Rainfall-	ASTM D 6459 - Test in one soil type. Soil tested shall be sandy loam as defined by the NRCS Soil Texture Triangle	C Factor = 0.05 maximum using Revised Universal Soil Loss Equation (RUSLE)

Induced Erosion		
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**9-14.4(2)C Short Term Mulch**

The Contractor shall provide test results documenting the mulch meets the requirements in Table 3 Short Term Mulch Test Requirements.

Prior to January 1, 2012, the Contractor shall supply independent ASTM D 6459 test results from one of the following testing facilities:

- National Transportation Product Evaluation Program (NTPEP)
- Utah State University's Utah Water Research Laboratory
- Texas Transportation Institute
- San Diego State University's Soil Erosion Research Laboratory
- TRI Environmental, Inc

Effective January 1, 2012, the Contractor shall supply independent test results from the National Transportation Product Evaluation Program (NTPEP)

**Table 3 Short Term Mulch Test Requirements**

Properties	Test Method	Requirements
Performance in Protecting Slopes from Rainfall-Induced Erosion	ASTM D 6459 - Test in one soil type. Soil tested shall be sandy loam as defined by the National Resources Conservation Service (NRCS) Soil Texture Triangle	C Factor = 0.15 maximum using Revised Universal Soil Loss Equation (RUSLE)

**9-14.4(3) Bark or Wood Chips**

Bark or wood chip mulch shall be derived from Douglas fir, pine, or hemlock species. It shall not contain resin, tannin, or other compounds in quantities that would be detrimental to plant life. Sawdust shall not be used as mulch.

Bark or wood chips, when tested, shall be according to WSDOT Test Method T 123 prior to placement and shall meet the following loose volume gradation:

Sieve Size	Percent Passing	
	Minimum	Maximum
2"	95	100
No. 4	0	30

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

Wood strand mulch shall be a blend of angular, loose, long, thin wood pieces that are frayed, with a high length-to-width ratio and shall be derived from native conifer or deciduous trees. A minimum of 95 percent of the wood strand shall have lengths between 2 and 10 inches. At least 50 percent of the length of each strand shall have a width and thickness between 1/16 and 1/2 inch. No single strand shall have a width or thickness greater than 1/2 inch.

The mulch shall not contain salt, preservatives, glue, resin, tannin, or other compounds in quantities that would be detrimental to plant life. Sawdust or wood chips or shavings will not be acceptable. Products shall be tested according to WSDOT Test Method 125 prior to acceptance.

1  
2 **9-14.4(5) Lime**

3 Agriculture lime shall be of standard manufacture, flour grade or in pelletized form, meeting  
4 the requirements of ASTM C 602.  
5

6 **9-14.4(6) Gypsum**

7 Gypsum shall consist of Calcium Sulfate (CaSO<sub>4</sub>·2H<sub>2</sub>O) in a pelletized or granular form.  
8 100 percent shall pass through a No. 8 sieve.  
9

10 **9-14.4(7) Tackifier**

11 Tackifiers are used as a tie-down for soil, compost, seed, and/or mulch. Tackifier shall  
12 contain no growth or germination inhibiting materials, and shall not reduce infiltration rates.  
13 Tackifier shall hydrate in water and readily blend with other slurry materials and conform to  
14 the requirements in Table 4 Tackifier Test Requirements.  
15

16 The Contractor shall provide test results documenting the tackifier meets the requirements  
17 in Table 4 Tackifier Test Requirements.  
18  
19  
20

**Table 4 Tackifier Test Requirements**

Properties	Test Method	Requirements
Heavy Metals Solvents Acute Toxicity	See Table in Section 9-14.4(2). Test at manufacturer's recommended application rate	See Table in Section 9- 14.4(2)
Viscosity	ASTM D 2364. Testing shall be performed by an accredited, independent laboratory	4000 cPs minimum

21  
22 **9-14.4(7)A Organic Tackifier**

23 Organic tackifier shall be derived from natural plant sources and shall have an MSDS that  
24 demonstrates to the satisfaction of the Engineer that the product is not harmful to plants,  
25 animals, and aquatic life.  
26

27 **9-14.4(7)B Synthetic Tackifier**

28 Synthetic tackifier shall have an MSDS that demonstrates to the satisfaction of the  
29 Engineer that the product is not harmful to plants, animals, and aquatic life.  
30

31 **9-14.4(8) Compost**

32 Compost products shall be the result of the biological degradation and transformation of  
33 organic materials under controlled conditions designed to promote aerobic decomposition.  
34 Compost shall be stable with regard to oxygen consumption and carbon dioxide generation.  
35 Compost shall be mature with regard to its suitability for serving as a soil amendment or an  
36 erosion control BMP as defined below. The compost shall have a moisture content that has  
37 no visible free water or dust produced when handling the material.  
38

39 Compost production and quality shall comply with Chapter 173-350 WAC.

40 Compost products shall meet the following physical criteria:

- 41  
42  
43 1. Compost material shall be tested in accordance with U.S. Composting Council Testing  
44 Methods for the Examination of Compost and Composting (TMECC) 02.02-B, "Sample  
45 Sieving for Aggregate Size Classification".  
46

1 Fine compost shall meet the following gradation:  
2

Sieve Size	Percent Passing	
	Minimum	Maximum
2"	100	
1"	95	100
5/8"	90	100
1/4"	75	100

3 Maximum particle length of 6 inches.  
4

5 Medium compost shall meet the following gradation:  
6

Sieve Size	Percent Passing	
	Minimum	Maximum
2"	100	
1"	95	100
5/8"	90	100
1/4"	70	85

7 Maximum particle length of 6 inches.  
8

9 Medium compost shall have a carbon to nitrogen ratio (C:N) between 18:1 and 30:1.  
10 The carbon to nitrogen ratio shall be calculated using the dry weight of "Organic  
11 Carbon" using TMECC 04.01A divided by the dry weight of "Total N" using TMECC  
12 04.02D.  
13

14 Coarse compost shall meet the following gradation:  
15

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

16 Maximum particle length of 6 inches.

17 Coarse Compost shall have a Carbon to Nitrogen ratio (C:N) between 25:1 and  
18 35:1. The Carbon to Nitrogen ratio shall be calculated using the dry weight of  
19 "Organic Carbon" using TMECC 04.01A divided by the dry weight of "Total N"  
20 using TMECC 04.02D.  
21

- 22 2. The pH shall be between 6.0 and 8.5 when tested in accordance with U.S. Composting  
23 Council TMECC 04.11-A, "1:5 Slurry pH".  
24
- 25 3. Manufactured inert material (plastic, concrete, ceramics, metal, etc.) shall be less than  
26 1.0 percent by weight as determined by U.S. Composting Council TMECC 03.08-A  
27 "Classification of Inerts by Sieve Size".  
28
- 29 4. Minimum organic matter shall be 40 percent by dry weight basis as determined by U.S.  
30 Composting Council TMECC 05.07A "Loss-On-Ignition Organic Matter Method (LOI)".  
31
- 32 5. Soluble salt contents shall be less than 4.0 mmhos/cm when tested in accordance with  
33 U.S. Composting Council TMECC 04.10 "Electrical Conductivity".  
34

- 1 6. Maturity shall be greater than 80 percent in accordance with U.S. Composting Council  
2 TMECC 05.05-A, "Germination and Root Elongation".  
3
- 4 7. Stability shall be 7 mg CO<sub>2</sub>-C/g OM/day or below in accordance with U.S. Composting  
5 Council TMECC 05.08-B "Carbon Dioxide Evolution Rate".  
6
- 7 8. The compost product shall originate from recycled plant waste as defined in WAC 173-  
8 350 as "Type 1 Feedstocks", "Type 2 Feedstocks," and/or "Type 3 Feedstocks". The  
9 Contractor shall provide a list of feedstock sources by percentage in the final compost  
10 product.  
11
- 12 9. The Engineer may evaluate compost for maturity using U.S. Composting Council  
13 TMECC 05.08-E "Solvita® Maturity Index". Fine compost shall score a number 6 or  
14 above on the Solvita® Compost Maturity Test. Medium and Coarse compost shall  
15 score a 5 or above on the Solvita® Compost Maturity Test.  
16

#### 17 **9-14.4(8)A Compost Submittal Requirements**

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

- 19
- 20 1. The Qualified Products List printed page or a Request for Approval of  
21 Material(DOT Form 350-071EF).  
22
- 23 2. A copy of the Solid Waste Handling Permit issued to the manufacturer by the  
24 Jurisdictional Health Department in accordance with WAC 173-350 (Minimum  
25 Functional Standards for Solid Waste Handling).  
26
- 27 3. The Contractor shall verify in writing, and provide lab analyses, that the material  
28 complies with the processes, testing, and standards specified in WAC 173-350  
29 and these Specifications. An independent Seal of Testing Assurance (STA)  
30 Program certified laboratory shall perform the analysis.  
31
- 32 4. A copy of the manufacturer's Seal of Testing Assurance (STA) certification as  
33 issued by the U.S. Composting Council.  
34

#### 35 **9-14.4(8)B Compost Acceptance**

36 Fourteen days prior to application, the Contractor shall submit a sample of the compost  
37 approved for use, and a STA test report dated within 90 calendar days of the application,  
38 and the list of feed stocks by volume for each compost type to the Engineer for review.  
39

40 The Contractor shall use only compost that has been tested within 90 calendar days of  
41 application and meets the requirements in Section 9-14.4(8). Compost not conforming to  
42 the above requirements or taken from a source other than those tested and accepted shall  
43 not be used.  
44

#### 45 **9-14.4(9) Vacant**

#### 46 **9-14.4(10) Vacant**

#### 47 **9-14.5 Erosion Control Devices**

##### 48 **9-14.5(1) Polyacrylamide (PAM)**

49 PAM is used as a tie-down for soil, compost, or seed, and is also used as a flocculent.  
50 Polyacrylamide (PAM) products shall meet ANSI/NSF Standard 60 for drinking water  
51  
52  
53

1 treatment with an AMD content not to exceed 0.05 percent. PAM shall be anionic, linear,  
 2 and not cross-linked. The minimum average molecular weight shall be greater than 5  
 3 mg/mole and minimum 30 percent charge density. The product shall contain at least 80  
 4 percent active ingredients and have a moisture content not exceeding 10 percent by  
 5 weight. PAM shall be delivered in a dry granular or powder form.  
 6

7 **9-14.5(2) Erosion Control Blanket**

8 Temporary erosion control blanket shall be made of natural plant fibers. The Contractor  
 9 shall supply independent test results from the National Transportation Product Evaluation  
 10 Program (NTPEP) meeting the requirements in the following table:  
 11

Properties	ASTM Test Method	Requirements
Protecting Slopes from Rainfall-Induced Erosion	D 6459 - Test in one soil type. Soil tested shall be sandy loam as defined by the NRCS Soil Texture Triangle	Maximum C factor of 0.15 using Revised Universal Soil Loss Equation (RUSLE)
Dry Weight per Unit Area	D 6475	0.36 lb/sq. yd. minimum
Performance in Protecting Earthen Channels from Stormwater-Induced Erosion	D 6460 Test in one soil type. Soil tested shall be loam as defined by the NRCS Soil Texture Triangle	1.0 lb/sq. ft. minimum
Seed Germination Enhancement	D 7322	200 percent minimum

12 Netting, if present, shall be biodegradable with a life span not to exceed two  
 13 years.  
 14

15 Permanent erosion control blanket/turf reinforcement mats shall meet the following  
 16 requirements:  
 17

Properties	ASTM Test Method	Requirements
UV Stability	D 4355	Minimum 80 percent strength retained after 500 hours in a xenon arc device
Protecting Slopes from Rainfall-Induced Erosion	D 6459 with 0.12 inch average raindrop size.* Test in one soil type. Soil tested shall be loam as defined by the NRCS Soil Texture Triangle **	Maximum C factor of 0.15 using Revised Universal Soil Loss Equation (RUSLE)
Dry Weight per Unit Area	D 6566	0.50 lb/sq. yd. minimum
Performance in Protecting Earthen Channels from Stormwater-Induced Erosion	D 6460 Test in one soil type. Soil tested shall be loam as defined by the NRCS Soil Texture Triangle**	2.0 lb/sq. ft. minimum
Seed Germination	D 7322	200 percent minimum

Enhancement		
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**9-14.5(2)A Erosion Control Blanket Approval**

The Contractor shall select erosion control blanket products that bear the Quality and Data Oversight and Review (QDOR) seal from the Erosion Control and Technology Council (ECTC). All materials selected shall be currently listed on the QDOR products list available at [www.ectc.org/qdor](http://www.ectc.org/qdor)

**9-14.5(3) Clear Plastic Covering**

Clear plastic covering shall meet the requirements of ASTM D 4397 for polyethylene sheeting having a minimum thickness of 6 mils.

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

The geotextile-encased check dam shall be a urethane foam core encased in geotextile material. The minimum length of the unit shall be 7 feet.

The foam core shall be a minimum of 8 inches in height, and have a minimum base width of 16 inches. The geotextile material shall overhang the foam by at least 6 inches at each end, and shall have apron type flaps that extend a minimum of 24 inches on each side of the check dam. The geotextile material shall meet the requirements in Section 9-33.

**9-14.5(5) Wattles**

Wattles shall consist of cylinders of biodegradable plant material such as weed-free straw, coir, compost, wood chips, excelsior, or wood fiber or shavings encased within biodegradable netting. Wattles shall be a minimum of 5 inches in diameter. Netting material shall be clean, evenly woven, and free of encrusted concrete or other contaminating materials such as preservatives. Netting material shall be free from cuts, tears, or weak places and shall have a minimum lifespan of 6 months and a maximum lifespan of not more than 24 months.

Compost filler shall be coarse compost and shall meet the material requirements as specified in Section 9-14.4(8). If wood chips are used they shall meet the material requirements as specified in Section 9-14.4(3). If wood shavings are used, 80 percent of the fibers shall have a minimum length of 6 inches between 0.030 and 0.50 inches wide, and between 0.017 and 0.13 inches thick.

Wood stakes for wattles shall be made from untreated Douglas fir, hemlock, or pine species. Wood stakes shall be 2 inch by 2 inch nominal dimension and 36 inches in length.

**9-14.5(6) Compost Socks**

Compost socks shall consist of extra heavy weight biodegradable fabric, with a minimum strand thickness of 5 mils. The fabric shall be filled with Coarse Compost. Compost socks shall be at least 8 inches in diameter. The fabric shall be clean, evenly woven, and free of encrusted concrete or other contaminating materials and shall be free from cuts, tears, broken or missing yarns, and be free of thin, open, or weak areas and shall be free of any type of preservative. Netting material shall have a minimum lifespan of 6 months and a maximum lifespan of not more than 24 months.

Coarse compost filler shall meet the material requirements as specified in Section 9-14.4(8).

Wood stakes for compost socks shall be made from untreated Douglas fir, hemlock, or pine species. Wood stakes shall be 2 inch by 2 inch nominal dimension and 36 inches in length,

1  
2 **9-14.5(7) Coir Log**

3 Coir logs shall be made of 100 percent durable coconut (coir) fiber uniformly compacted  
4 within woven netting made of bristle coir twine with minimum strength of 80 lbs tensile  
5 strength. The netting shall have nominal 2 inch by 2 inch openings. Log segments shall  
6 have a maximum length of 20 feet, with a minimum diameter as shown in the Plans. Logs  
7 shall have a minimum density of 7 lbs/cf.  
8

9 Stakes shall be untreated Douglas fir, hemlock, or pine species. Wood stakes shall have a  
10 notch to secure the rope ties. Rope ties shall be of 1/4 inch diameter commercially  
11 available hemp rope.  
12

13 **9-14.5(8) High Visibility Fencing**

14 High visibility fence shall be UV stabilized, orange, high-density polyethylene or  
15 polypropylene mesh, and shall be at least 4-feet in height.  
16

17 Support posts shall be wood or steel in accordance with Standard Plan I-10.10-00. The  
18 posts shall have sufficient strength and durability to support the fence through the life of the  
19 project.  
20

21 **9-14.6 Plant Materials**

22 **9-14.6(1) Description**

23 Bareroot plants are grown in the ground and harvested without soil or growing medium  
24 around their roots.  
25

26 Container plants are grown in pots or flats that prevent root growth beyond the sides and  
27 bottom of the container.  
28

29 Balled and burlapped plants are grown in the ground and harvested with soil around a core  
30 of undisturbed roots. This rootball is wrapped in burlap and tied or placed in a wire basket  
31 or other supportive structure.  
32

33 Cuttings are live plant material without a previously developed root system. Source plants  
34 for cuttings shall be dormant when cuttings are taken and all cuts shall be made with a  
35 sharp instrument. Cuttings may be collected. If cuttings are collected, the requirement to be  
36 nursery grown or held in nursery conditions does not apply. Written permission shall be  
37 obtained from property owners and provided to the Engineer before cuttings are collected.  
38 The Contractor shall collect cuttings in accordance with applicable sensitive area  
39 ordinances. Cuttings shall meet the following requirements:  
40

- 41
- 42 A. Live branch cuttings shall have flexible top growth with terminal buds and may  
43 have side branches. The rooting end shall be cut at an approximate 45 degree  
44 angle.  
45
  - 46 B. Live stake cuttings shall have a straight top cut immediately above a bud. The  
47 lower, rooting end shall be cut at an approximate 45 degree angle. Live stakes are  
48 cut from one to two year old wood. Live stake cuttings shall be cut and installed  
49 with the bark intact with no branches or stems attached, and be 1/2 to 1 1/2 inch in  
50 diameter.  
51
  - 52 C. Live pole cuttings shall have a minimum 2 inch diameter and no more than three  
53 branches which shall be pruned back to the first bud from the main stem.  
54

1 Rhizomes shall be a prostrate or subterranean stem, usually rooting at the nodes and  
2 becoming erect at the apex. Rhizomes shall have a minimum of two growth points. Tubers  
3 shall be a thickened and short subterranean branch having numerous buds or eyes.  
4

5 **9-14.6(2) Quality**

6 At the time of delivery all plant material furnished shall meet the grades established by the  
7 latest edition of the American Standard for Nursery Stock, (ASNS) ANSI Z60.1 and shall  
8 conform to the size and acceptable conditions as listed in the Contract, and shall be free of  
9 all foreign plant material.

10  
11 All plant material shall comply with State and Federal laws with respect to inspection for  
12 plant diseases and insect infestation.  
13

14 All plant material shall be purchased from a nursery licensed to sell plants in Washington  
15 State.  
16

17 Live woody or herbaceous plant material, except cuttings, rhizomes, and tubers, shall be  
18 vigorous, well formed, with well developed fibrous root systems, free from dead branches,  
19 and from damage caused by an absence or an excess of heat or moisture, insects,  
20 disease, mechanical or other causes detrimental to good plant development. Evergreen  
21 plants shall be well foliated and of good color. Deciduous trees that have solitary leaders  
22 shall have only the lateral branches thinned by pruning. All conifer trees shall have only one  
23 leader (growing apex) and one terminal bud, and shall not be sheared or shaped. Trees  
24 having a damaged or missing leader, multiple leaders, or Y-crotches shall be rejected.  
25

26 Root balls of plant materials shall be solidly held together by a fibrous root system and shall  
27 be composed only of the soil in which the plant has been actually growing. Balled and  
28 burlapped rootballs shall be securely wrapped with jute burlap or other packing material not  
29 injurious to the plant life. Root balls shall be free of weed or foreign plant growth.  
30

31 Plant materials shall be nursery grown stock. Plant material, with the exception of cuttings,  
32 gathered from native stands shall be held under nursery conditions for a minimum of one  
33 full growing season, shall be free of all foreign plant material, and meet all of the  
34 requirements of these Specifications, the Plans, and the Special Provisions.  
35

36 Container grown plants shall be plants transplanted into a container and grown in that  
37 container sufficiently long for new fibrous roots to have developed so that the root mass will  
38 retain its shape and hold together when removed from the container, without having roots  
39 that circle the pot. Plant material which is root bound, as determined by the Engineer, shall  
40 be rejected. Container plants shall be free of weed or foreign plant growth.  
41

42 Container sizes for plant material of a larger grade than provided for in the container grown  
43 Specifications of the ASNS shall be determined by the volume of the root ball specified in  
44 the ASNS for the same size plant material.  
45

46 All bare root plant materials shall have a heavy fibrous root system and be dormant at the  
47 time of planting.  
48

49 Average height to spread proportions and branching shall be in accordance with the  
50 applicable sections, illustrations, and accompanying notes of the ASNS.  
51

52 Plants specified or identified as "Street Tree Grade" shall be trees with straight trunks, full  
53 and symmetrical branching, central leader, and be developed, grown, and propagated with

1 a full branching crown. A "Street Tree Grade" designation requires the highest grade of  
2 nursery shade or ornamental tree production which shall be supplied.

3  
4 Street trees with improperly pruned, broken, or damaged branches, trunk, or root structure  
5 shall be rejected. In all cases, whether supplied balled and burlapped or in a container, the  
6 root crown (top of root structure) of the tree shall be at the top of the finish soil level. Trees  
7 supplied and delivered in a nursery fabric bag will not be accepted.

8  
9 Plants which have been determined by the Engineer to have suffered damage for the  
10 following reasons will be rejected:

- 11 1. Girdling of the roots, stem, or a major branch.
- 12 2. Deformities of the stem or major branches.
- 13 3. Lack of symmetry.
- 14 4. Dead or defoliated tops or branches.
- 15 5. Defects, injury, and condition which renders the plant unsuitable for its intended  
16 use.

17  
18  
19  
20  
21  
22  
23 Plants that are grafted shall have roots of the same genus as the specified plant.

### 24 **9-14.6(3) Handling and Shipping**

25 Handling and shipping shall be done in a manner that is not detrimental to the plants.

26 The nursery shall furnish a notice of shipment in triplicate at the time of shipment of each  
27 truck load or other lot of plant material. The original copy shall be delivered to the Project  
28 Engineer, the duplicate to the consignee and the triplicate shall accompany the shipment to  
29 be furnished to the Inspector at the job site. The notice shall contain the following  
30 information:

- 31 1. Name of shipper.
- 32 2. Date of shipment.
- 33 3. Name of commodity. (Including all names as specified in the Contract.)
- 34 4. Consignee and delivery point.
- 35 5. State Contract number.
- 36 6. Point from which shipped.
- 37 7. Quantity contained.
- 38 8. Size. (Height, runner length, caliper, etc. as required.)
- 39 9. Signature of shipper by authorized representative.

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50  
51 To acclimate plant materials to Northwest conditions, all plant materials used on a project  
52 shall be grown continuously outdoors north of the 42nd Latitude (Oregon-California border)  
53 from not later than August 1 of the year prior to the time of planting.

1 All container grown plants shall be handled by the container.

2  
3 All balled and burlapped plants shall be handled by the ball.

4  
5 Plant material shall be packed for shipment in accordance with prevailing practice for the  
6 type of plant being shipped, and shall be protected at all times against drying, sun, wind,  
7 heat, freezing, and similar detrimental conditions both during shipment and during related  
8 handling. Where necessary, plant material shall be temporarily heeled in. When transported  
9 in closed vehicles, plants shall receive adequate ventilation to prevent sweating. When  
10 transported in open vehicles, plants shall be protected by tarpaulins or other suitable cover  
11 material.

#### 12 13 **9-14.6(4) Tagging**

14 Plants delivered as a single unit of 25 or less of the same size, species, and variety, shall  
15 be clearly marked and tagged. Plants delivered in large quantities of more than 25 shall be  
16 segregated as to variety, grade, and size; and one plant in each 25, or fraction thereof, of  
17 each variety, grade, and size shall be tagged.

#### 18 19 **9-14.6(5) Inspection**

20 The Contracting Agency will make an inspection of plant material at the source when  
21 requested by the Engineer. However, such preliminary approval shall not be considered as  
22 final acceptance for payment. Final inspection and approval (or rejection) will only occur  
23 when the plant material has been delivered to the Project site. The Contractor shall notify  
24 the Engineer, not less than 48 hours in advance, of plant material delivery to the project.

#### 25 26 **9-14.6(6) Substitution of Plants**

27 No substitution of plant material, species or variety, will be permitted unless evidence is  
28 submitted in writing to the Engineer that a specified plant cannot be obtained and has been  
29 unobtainable since the Award of the Contract. If substitution is permitted, it can be made  
30 only with written approval by the Engineer. The nearest variety, size, and grade, as  
31 approved by the Engineer, shall then be furnished.

32  
33 Container or balled and burlapped plant material may be substituted for bare root plant  
34 material. Container grown plant material may be substituted for balled and burlapped plant  
35 materials. When substitution is allowed, use current ASNS standards to determine the  
36 correct rootball volume (container or balled and burlapped) of the substituted material that  
37 corresponds to that of the specified material. These substitutions shall be approved by the  
38 Engineer and be at no cost to the Contracting Agency.

#### 39 40 **9-14.6(7) Temporary Storage**

41 Plants stored under temporary conditions prior to installation shall be the responsibility of  
42 the Contractor.

43  
44 Plants stored on the project shall be protected at all times from extreme weather conditions  
45 by insulating the roots, root balls, or containers with sawdust, soil, compost, bark or wood  
46 chips, or other approved material and shall be kept moist at all times prior to planting.

47  
48 Cuttings shall continually be shaded and protected from wind. Cuttings shall be protected  
49 from drying at all times and shall be heeled into moist soil or other insulating material or  
50 placed in water if not installed within eight hours of cutting. Cuttings to be stored for later  
51 installation shall be bundled, laid horizontally, and completely buried under 6 inches of  
52 water, moist soil or placed in cold storage at a temperature of 34°F and 90 percent  
53 humidity. Cuttings that are not planted within 24 hours of cutting shall be soaked in water

1 for 24 hours prior to planting. Cuttings taken when the temperature is higher than 50°F shall  
2 not be stored for later use. Cuttings that already have developed roots shall not be used.  
3

4 **9-14.6(8) Sod**

5 The available grass mixtures on the current market shall be submitted to the Engineer for  
6 selection and approval.  
7

8 The sod shall be field grown one calendar year or older, have a well developed root  
9 structure, and be free of all weeds, disease, and insect damage.  
10

11 Prior to cutting, the sod shall be green, in an active and vigorous state of growth, and  
12 mowed to a height not exceeding 1 inch.  
13

14 The sod shall be cut with a minimum of 1 inch of soil adhering.  
15

16 **9-14.7 Stakes, Guys, and Wrapping**

17 Stakes shall be installed as shown in the Plans.  
18

19 Commercial plant ties may be used in lieu of hose and wire guying upon approval of the  
20 Engineer. The minimum size of wire used for guying shall be 12 gauge, soft drawn.  
21

22 Hose for guying shall be nylon, rubber, or reinforced plastic and shall have an inside  
23 diameter of at least 1 inch.  
24

25 Tree wrap shall be a crinkled waterproof paper weighing not less than 4.0 pounds per 100  
26 square feet and shall be made up of two sheets cemented together with asphalt.  
27

Informational Only - NOT FOR BIDDING

1 **SPECIAL PROVISIONS**

2  
3 **INTRODUCTION**

4 The following Special Provisions are made a part of this contract and supersede any conflicting  
5 provisions of the 2010 Standard Specifications for Road, Bridge and Municipal Construction,  
6 and the foregoing Amendments to the Standard Specifications.

7  
8 Several types of Special Provisions are included in this contract; General, Region, Bridges and  
9 Structures, and Project Specific. Special Provisions types are differentiated as follows:

- 10  
11 (date) General Special Provision  
12 (\*\*\*\*\*) Notes a revision to a General Special Provision  
13 and also notes a Project Specific Special Provision.  
14 (Regions1 date) Region Special Provision  
15 (BSP date) Bridges and Structures Special Provision  
16

17 **General Special Provisions** are similar to Standard Specifications in that they typically apply to  
18 many projects, usually in more than one Region. Usually, the only difference from one project  
19 to another is the inclusion of variable project data, inserted as a "fill-in".  
20

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

- 23  
24 Regions1  
25 ER Eastern Region  
26 NCR North Central Region  
27 NWR Northwest Region  
28 OR Olympic Region  
29 SCR South Central Region  
30 SWR Southwest Region  
31  
32 WSF Washington State Ferries Division  
33

34 **Bridges and Structures Special Provisions** are similar to Standard Specifications in that they  
35 typically apply to many projects, usually in more than one Region. Usually, the only difference  
36 from one project to another is the inclusion of variable project data, inserted as a "fill-in".  
37

38 **Project Specific Special Provisions** normally appear only in the contract for which they were  
39 developed.  
40

41  
42 **DIVISION 1 GENERAL REQUIREMENTS**

43  
44 **DEFINITIONS AND TERMS**

45  
46 **1-01.3 Definitions**

47 This Section is supplemented with the following:

- 48  
49 (\*\*\*\*\*)  
50 The venue of all causes of action arising from the advertisement, award, execution, and  
51 performance of the contract shall be in the Superior Court of Grant County, Washington.  
52

1 All references to "State" or "State of Washington" are changed to "Grant County,  
2 Washington".

3  
4 All references to "Commission", "Secretary of Transportation", or "Washington State  
5 Transportation Commission", are changed to "Board of County Commissioners, Grant  
6 County, Washington".

7  
8 All references to "Department", or "Department of Transportation" are changed to  
9 "Department of Public Works, Grant County, Washington".

10  
11 All references to "Superior Court of Thurston County, Washington" are changed to  
12 "Superior Court of Grant County, Washington".

## 13 14 **DESCRIPTION OF WORK**

15  
16 (\*\*\*\*\*)

17 This contract provides for the reconstruction of 3.91 miles of a county road in Grant County,  
18 WA, and includes roadway excavation, embankment compaction, crushed surfacing base  
19 course, maintenance rock, drainage items, seeding, fertilizing, mulching and other work all in  
20 accordance with the attached Contract Plans, these Contract Provisions and the Standard  
21 Specifications.

## 22 23 **BID PROCEDURES AND CONDITIONS**

### 24 25 **1-02.1 Prequalification of Bidders**

26 Delete this Section and replace it with the following:

#### 27 28 1-02.1 Qualifications of Bidder

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

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

32  
33 Before award of a public works contract, a bidder must meet the following responsibility  
34 criteria to be considered a responsible bidder and qualified to be awarded a public works  
35 project. The bidder must:

- 36  
37 (a) At the time of bid submittal, have a certificate of registration in compliance with  
38 chapter 18.27 RCW;
- 39 (b) Have a current state unified business identifier number;
- 40 (c) If applicable, have industrial insurance coverage for the bidder's employees working  
41 in Washington as required in Title 51 RCW; an employment security department  
42 number as required in Title 50 RCW; and a state excise tax registration number as  
43 required in Title 82 RCW; and
- 44 (d) Not be disqualified from bidding on any public works contract under RCW 39.06.010  
45 or 39.12.065(3).
- 46 (e) Bidders shall be qualified by experience, financing, equipment, and organization to  
47 do the work called for in the Contract Documents. The Contracting Agency reserves  
48 the right to take whatever action it deems necessary to ascertain the ability of the  
49 bidder to perform the work satisfactorily. The Contracting Agency's actions may  
50 include a pre-qualification procedure prior to the bidder being furnished a proposal  
51 form on any contract, or a pre-award survey of the bidder's qualifications prior to  
52 award.  
53

1 **Public Opening Of Proposal**

2 Section 1-02.12 is supplemented with the following:

3  
4 (\*\*\*\*\*)

5 *Date Of Opening Bids*

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

7  
8 The Office of the Board of County Commissioners, Grant County Courthouse, Room  
9 207, 35 C St. NW, P.O. Box 37, Ephrata, WA 98823

10  
11 The bid opening date for this project is **July 5, 2011**. Bids received will be publicly  
12 opened and read after **1:30 P.M.** on this date.

13  
14 **1-02.13 Irregular Proposals**

15 (March 25, 2009 APWA GSP)

16  
17 Revise item 1 to read:

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

37  
38  
39 **AWARD AND EXECUTION OF CONTRACT**

40  
41 **Award of Contract**

42 Section 1-03.2 is supplemented with the following:

43  
44 (August 2, 2004)

45 The contract will be awarded on the basis of the total of all bid items (Contract Total).  
46 After the award, the Contracting Agency has the option of deleting work associated with  
47 the construction of \*\*\* Sta. 168+00 to Sta. 219+00 \*\*\*. This work is represented by the  
48 bid items found in the column(s) headed GROUP(S) \*\*\* 2 \*\*\* on the Summary of  
49 Quantities, Plan Sheet #2. The deletion of this work will be documented by a change  
50 order. The change order will not be subject to protest or negotiation. The amount of the  
51 change order price reduction shall be the sum of the amounts bid for all items within the  
52 GROUP(S).

1 Should the Contracting Agency exercise the option to delete the work in one or more of  
2 the GROUPS listed above and shown on the Summary of Quantities, then Section 1-  
3 04.6 will not apply to the items that are deleted.  
4

#### 5 **1-02.14 Disqualification of Bidders**

6 *(March 25, 2009 APWA GSP, Option B)*  
7

8 Delete this Section and replace it with the following:  
9

10 A Bidder will be deemed not responsible if:

- 11 1. the Bidder does not meet the mandatory bidder responsibility criteria in  
12 RCW 39.04.350(1), as amended; or
- 13 2. evidence of collusion exists with any other Bidder or potential Bidder.  
14 Participants in collusion will be restricted from submitting further bids; or
- 15 3. the Bidder, in the opinion of the Contracting Agency, is not qualified for  
16 the work or to the full extent of the bid, or to the extent that the bid  
17 exceeds the authorized prequalification amount as may have been  
18 determined by a prequalification of the Bidder; or
- 19 4. an unsatisfactory performance record exists based on past or current  
20 Contracting Agency work or for work done for others, as judged from the  
21 standpoint of conduct of the work; workmanship; or progress; affirmative  
22 action; equal employment opportunity practices; termination for cause; or  
23 Disadvantaged Business Enterprise, Minority Business Enterprise, or  
24 Women's Business Enterprise utilization; or
- 25 5. there is uncompleted work (Contracting Agency or otherwise), which in  
26 the opinion of the Contracting Agency might hinder or prevent the prompt  
27 completion of the work bid upon; or
- 28 6. the Bidder failed to settle bills for labor or materials on past or current  
29 contracts, unless there are extenuating circumstances acceptable to the  
30 Contracting Agency; or
- 31 7. the Bidder has failed to complete a written public contract or has been  
32 convicted of a crime arising from a previous public contract, unless there  
33 are extenuating circumstances acceptable to the Contracting Agency; or
- 34 8. the Bidder is unable, financially or otherwise, to perform the work, in the  
35 opinion of the Contracting Agency; or
- 36 9. there are any other reasons deemed proper by the Contracting Agency.  
37

38 As evidence that the Bidder meets the bidder responsibility criteria above, the apparent  
39 two lowest Bidders must submit to the Contracting Agency within 24 hours of the bid  
40 submittal deadline, documentation (sufficient in the sole judgment of the Contracting  
41 Agency) demonstrating compliance with all applicable responsibility criteria, including all  
42 documentation specifically listed in the supplemental criteria. The Contracting Agency  
43 reserves the right to request such documentation from other Bidders as well, and to  
44 request further documentation as needed to assess bidder responsibility.  
45

46 The basis for evaluation of Bidder compliance with these supplemental criteria shall be  
47 any documents or facts obtained by Contracting Agency (whether from the Bidder or  
48 third parties) which any reasonable owner would rely on for determining such  
49 compliance, including but not limited to: (i) financial, historical, or operational data from  
50 the Bidder; (ii) information obtained directly by the Contracting Agency from owners for  
51 whom the Bidder has worked, or other public agencies or private enterprises; and (iii)  
52 any additional information obtained by the Contracting Agency which is believed to be  
53 relevant to the matter.  
54

1 If the Contracting Agency determines the Bidder does not meet the bidder responsibility  
2 criteria above and is therefore not a responsible Bidder, the Contracting Agency shall  
3 notify the Bidder in writing, with the reasons for its determination. If the Bidder disagrees  
4 with this determination, it may appeal the determination within 24 hours of receipt of the  
5 Contracting Agency's determination by presenting its appeal to the Contracting Agency.  
6 The Contracting Agency will consider the appeal before issuing its final determination. If  
7 the final determination affirms that the Bidder is not responsible, the Contracting Agency  
8 will not execute a contract with any other Bidder until at least two business days after the  
9 Bidder determined to be not responsible has received the final determination.

## 10 CONTROL OF WORK

### 11 1-05.13 Superintendents, Labor and Equipment of Contractor

12 (\*\*\*)

13 Revise the seventh paragraph to read:

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

16 (March 13, 1995)

### 17 Cooperation With Other Contractors

18 Section 1-05.14 is supplemented with the following:

#### 19 *Other Contracts Or Other Work*

20 It is anticipated that the following work adjacent to or within the limits of this project will  
21 be performed by others during the course of this project and will require coordination of  
22 the work:

- 23 1. Utility relocations and/or normal maintenance work by telephone and  
24 power companies.
- 25 2. Normal maintenance work by Grant County Road crews.
- 26 3. Normal maintenance work by irrigation district crews.

## 27 LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC

### 28 State Taxes

29 Section 1-07.2 is supplemented with the following:

30 (March 13, 1995)

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

### 33 Permits and Licenses

34 Section 1-07.6 is supplemented with the following:

35 (March 13, 1995)

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

### 39 Load Limits

1 Section 1-07.7 is supplemented with the following:  
2

3 (March 13, 1995)

4 Whenever the Contractor obtains materials from a source other than that provided by the  
5 Contracting Agency, or provides a source for materials not designated to come from a  
6 source provided by the State and the location of the source necessitates hauling on  
7 other than State Highways, the Contractor shall, at the Contractor's expense, make all  
8 arrangements for the use of the haul routes.  
9

## 10 **Contractor's Responsibility for Work**

11 (August 6, 2001)

### 12 **Repair of Damage**

13 Section 1-07.13(4) is revised to read:  
14

15  
16 The Contractor shall promptly repair all damage to either temporary or permanent work  
17 as directed by the Engineer. For damage qualifying for relief under Sections 1-07.13(1),  
18 1-07.13(2), or 1-07.13(3), payment will be made in accordance with Section 1-04.4.  
19 Payment will be limited to repair of damaged work only. No payment will be made for  
20 delay or disruption of work.  
21

## 22 **Protection and Restoration of Property**

23 Section 1-07.16 is supplemented with the following:  
24

25 (\*\*\*\*\*)

### 26 **Notification**

27 The Contractor shall distribute a special notice to each project resident before beginning  
28 work. Project resident means any person, company, or public agency having a driveway  
29 inside the project limits, within one mile of the project limits, or having a driveway or  
30 access on a dead-end road within the project limits. The special notice shall contain the  
31 following information and statements:  
32

- 33 • Date of the notice.
- 34 • Project name, termini, and a description of the major phases of the work.
- 35 • Name of Contractor, Contractor's representative and 24 hour phone number.
- 36 • Scheduled project start and completion dates.
- 37 • Available detour routes.
- 38 • One-way traffic will be maintained during each working day.
- 39 • Two-way traffic will be restored at the end of each working day.
- 40 • All plants, trees, shrubs, gardens, sprinklers or structures within the limits of  
41 construction will be removed. Residents are to be advised to remove such  
42 property before work begins.
- 43 • Driveways will be restored to useable conditions at the end of each working day,  
44 without exception.
- 45 • Mail service interruptions or relocations. Statement that the Contractor will  
46 remove, temporarily relocate, and eventually reinstall mail receptacles.  
47 Statement that mailboxes, posts, etc., damaged by the Contractor will be  
48 replaced and installed at no charge to the resident.
- 49 • Possible problems with power, telephone, potable water, sewer, irrigation supply  
50 relocations and/or interruptions, if any.
- 51 • Temporary fencing requirements for livestock, if any.
- 52 • Residents are responsible for driveway culvert maintenance.

- 1                   • Request to irrigators to eliminate water on the roadway and in the borrow ditches  
2                   per Grant County Ordinance.  
3

4                   The Contractor must notify all affected Grant County agencies of the date and  
5                   anticipated length of all road closures, including school districts, fire districts, Multi-  
6                   Agency Communications Center (509) 762-1901, Sheriff's Dept. (509) 754-2011,  
7                   Emergency Management (509) 762-1462, and U.S. Postal Service offices.  
8

9                   The Contractor must place a "Notice of Road Construction" in the legal newspaper of  
10                  Grant County. All notices must be provided a minimum of three (3) working days prior to  
11                  beginning work. The County will not allow any work to be performed until the required  
12                  notices are made by the Contractor.  
13

14                  (\*\*\*\*\*)

15                  **Payment**

16                  The lump sum contract price for "Notification" shall be full compensation for all labor,  
17                  equipment, materials, and tools necessary to perform the work outlined in this  
18                  supplemental section.  
19

20                  **Utilities And Similar Facilities**

21                  Section 1-07.17 is supplemented with the following:  
22

23                  (\*\*\*\*\*)

24                  Locations and dimensions shown in the Plans for existing facilities are in accordance  
25                  with available information obtained without uncovering, measuring, or other verification.  
26

27                  Public and private utilities, or their Contractors, will furnish all work necessary to adjust,  
28                  relocate, replace, or construct their facilities unless otherwise provided for in the Plans or  
29                  these Special Provisions. Such adjustment, relocation, replacement, or construction will  
30                  be done during the prosecution of the work for this project.  
31

32                  The Contractor shall call the Utility Location Request Center (One Call Center), for field  
33                  location, not less than two nor more than ten business days before the scheduled date  
34                  for commencement of excavation which may affect underground utility facilities, unless  
35                  otherwise agreed upon by the parties involved. A business day is defined as any day  
36                  other than Saturday, Sunday, or a legal local, State, or Federal holiday. The telephone  
37                  number for the One Call Center for this project is 1-800-424-5555. If no one-number  
38                  locator service is available, notice shall be provided individually to those owners known  
39                  to or suspected of having underground facilities within the area of proposed excavation.  
40

41                  The Contractor is alerted to the existence of Chapter 19.122 RCW, a law relating to  
42                  underground utilities. Any cost to the Contractor incurred as a result of this law shall be  
43                  at the Contractor's expense.  
44

45                  No excavation shall begin until all known facilities, in the vicinity of the excavation area,  
46                  have been located and marked.  
47

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

- 51                         • Grant County PUD, 30 C Street SW,  
52                                 Ephrata, WA 98823, (509) 754-3451  
53                         • Frontier Communications, 320 E Penny Rd

- Wenatchee, WA 98801 (509) 662-9262
- Quincy-Columbia Irrigation District, 1720 S. Central Ave., Quincy, WA 98848, (509) 787-3591
- United States Bureau of Reclamation, 32 C Street NW Ephrata, WA 98823, (509) 754-0200

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

**Vibratory Rollers over USBR Crossings**

Vibratory rollers shall not be used within 75 feet on each side of each USBR crossing as staked in the field and as shown in the plans.

**Public Convenience and Safety**

**Construction Under Traffic**

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

(April 2, 2007)

**Work Zone Clear Zone**

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

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

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

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

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

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

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

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

**PROSECUTION AND PROGRESS**

**Subcontracting**

Section 1-08.1 is supplemented with the following:

(October 12, 1998)

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

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

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

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

**Prosecution Of Work**

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

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

The Contractor shall begin work on July 25, 2011, unless otherwise approved by the Engineer.

**Time For Completion**

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

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

Contract time shall begin on the first working day. The first working day shall be July 25, 2011, unless otherwise approved by the Engineer.

Section 1-08.5 is supplemented with the following:

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

1 This project shall be physically completed within **35** working days.

2  
3 Should the Contractor desire to perform work on any Saturday, Sunday, or Holiday  
4 during the life of this contract, he shall request written permission from the Engineer after  
5 submitting a new work schedule specifying the exact dates on which the work is to be  
6 performed.

7  
8 Should the Contractor desire to begin work before 6:30 am, or desire to work two  
9 separate or overlapping shifts during a single 24 hour day, or desire to work a shift  
10 longer than 10 hours in a single 24 hour day, he shall request written permission from  
11 the Engineer after submitting a new work schedule specifying the exact dates on which  
12 the requested work shifts are to be performed.

13  
14 The Engineer will consider the Contractor's request and may either approve or deny any  
15 or all working dates or shifts contained in the new progress schedule.

16  
17 No additional compensation will be given the Contractor for any delays and costs  
18 incurred because of this provision. All costs incurred shall be considered incidental to  
19 and included in other applicable contract items.

## 20 21 **MEASUREMENT AND PAYMENT**

22  
23 (March 13, 1995)

### 24 **Payments**

25 Section 1-09.9 is supplemented with the following:

26  
27 The quantity of the following items to be paid for on this project shall be the quantity  
28 shown in the Proposal, unless changes are made in accordance with Section 1-04.4  
29 which affect this quantity. The quantity shown in the Proposal will be adjusted by the  
30 amount of the change and will be paid for as specified in Section 1-04.4.

- 31
- 32 1. Roadway Excavation incl. Haul
- 33 2. Embankment Compaction
- 34

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

40  
41 The unit contract price for these items shall be full pay to construct and complete this  
42 portion of the work.

## 43 44 45 **TEMPORARY TRAFFIC CONTROL**

### 46 47 **Traffic Control Management**

#### 48 49 **General**

50  
51 (December 1, 2008)

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

1 Only training with WSDOT TCS card and WSDOT training curriculum is  
2 recognized in the State of Washington. The Traffic Control Supervisor shall be  
3 certified by one of the following:  
4

5 The Northwest Laborers-Employers Training Trust  
6 27055 Ohio Ave.  
7 Kingston, WA 98346  
8 (360) 297-3035  
9

10 Evergreen Safety Council  
11 401 Pontius Ave. N.  
12 Seattle, WA 98109  
13 1-800-521-0778 or (206) 382-4090  
14

15 The American Traffic Safety Services Association  
16 15 Riverside Parkway, Suite 100  
17 Fredericksburg, Virginia 22406-1022  
18 Training Dept. Toll Free (877) 642-4637  
19 Phone: (540) 368-1701  
20

### 21 **Traffic Control Plans**

22 Section 1-10.2(2) is supplemented with the following:  
23

24 (\*\*\*\*\*)

25 The County has provided the Traffic Sign Plan and the applicable Standard "K"  
26 plan(s) for this project and said plan(s) are included in these specifications and is made  
27 part of this contract.  
28

29 The work contemplated in this contract will require the Contractor to take special  
30 precautions in developing and implementing safe traffic control procedures in  
31 accordance with the MUTCD. The Contractor's attention is directed to WAC 296-155-  
32 305 as it relates to signing, signaling and flaggers. All questions concerning new  
33 standards should be directed to the Wash. State Dept. of Labor and Industries.  
34

35 The Contractor will not be permitted to close Dry Coulee Road within the project limits.  
36 One way traffic must be kept open during working hours and two-way traffic restored at  
37 the end of each working day. Access to County road intersections, local farms and  
38 residences shall be kept open at all times.  
39

### 40 **Traffic Control Labor, Procedures and Devices**

#### 41 **Traffic Control Devices**

##### 42 **Construction Signs**

43 Section 1-10.3(3)A is supplemented with the following:  
44

45 (\*\*\*\*\*)

46 The required signs will be available to the Contractor at the Grant County Sign Shop,  
47 124 Enterprise St. SE, Ephrata, WA, (509) 754-6085, on normal work days. The  
48 Contractor shall make arrangements with the Engineer at least ten working days prior to  
49 picking up the signs. The Contractor shall sign an itemized receipt at the time of  
50 acquisition.  
51  
52  
53  
54

1 Signs shall be returned to Grant County Sign Shop by the Contractor when their need  
2 has ceased as determined by the Engineer. The value of signs furnished by the  
3 Contracting Agency to the Contractor is fixed at \$10.00 per square foot. The value of  
4 such signs which are damaged or not returned as provided in Section 1-10.3(3)A will be  
5 deducted from payment due or to become due the Contractor.  
6

7 **Wood Sign Posts**

8 Use the charts below to determine post size for Class A construction signs.  
9

10 **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

18 **Two Post Installation**  
19 (For signs 5 feet or greater in width)

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

25 \* The Engineer will determine the post size for signs greater than 75  
26 square feet.  
27

30 **Barricades**

31 Section 1-10.3(3)D is supplemented with the following:  
32

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

34 The barricades shall be Type III and constructed in accordance with the details shown in  
35 the MUTCD and the Standard Plans. The barricade width shall be eight (8) feet.  
36

37 As may be indicated in the Signing Plan, Traffic Control Plans, or the Contract  
38 Provisions, the Contractor may be required to install signs, warning lights, or both, on  
39 barricades  
40

41 **Measurement**

42 (\*\*\*\*\*)

43 Section 1-10.4 is supplemented with the following:  
44

45 No unit of measurement will be made for any of the items contained in the Traffic Control  
46 Plan or Section 1-10 of the Standard Specifications.  
47  
48  
49

50 **Payment**

51 Section 1-10.5(1) is supplemented with the following:  
52

53 (\*\*\*\*\*)

1 No additional compensation will be paid to the Contractor for any cost or expense  
2 incurred as a result of the requirements of this provision and all costs shall be  
3 considered incidental to and included in other applicable contract items.  
4

## 5 **DIVISION 2 EARTHWORK**

### 6 **CLEARING, GRUBBING, AND ROADSIDE CLEANUP**

#### 7 **Description**

8 Section 2-01.1 is supplemented with the following:  
9

10 (March 13, 1995)

11 Clearing and grubbing on this project shall be performed within the following limits:  
12

13 Dry Coulee Road

14 Group #1 – Sta. 12+50 to 168+00

15 Group #2 – Sta. 168+00 to 219+00  
16

### 17 **ROADWAY EXCAVATION AND EMBANKMENT**

18 Section 2-03 is supplemented with the following:  
19

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

#### 21 **Force Account Rock Excavation**

#### 22 **Description**

23 This work consists of removing the rock outcroppings necessary to establish the rock  
24 cross-section shown on Plan Sheet #19 between Station 125+00 to 127+00.  
25

#### 26 **Construction Requirements**

27 The Contractor shall remove the rock outcroppings per the rock cross-section shown on  
28 Plan Sheet #19 between Station 125+00 to 127+00. The rock shall be disposed of as  
29 the bottom layer in the adjacent fill locations as directed by the Engineer.  
30

#### 31 **Payment**

32 “Force Account Rock Excavation”, by force account as provided in Section 1-09.6. For  
33 the purpose of providing a common proposal for all bidders, the Contracting Agency has  
34 entered an amount for the item “Force Account Rock Excavation” in the bid proposal to  
35 become a part of the total bid by the Contractor.  
36

#### 37 **Construction Requirements**

#### 38 **Disposal Of Surplus Material**

39 Section 2-03.3(7)A is supplemented with the following:  
40

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

42 A waste site has not been provided by the County for the disposal of excess material  
43 and debris.  
44

#### 45 **Borrow**

46 Section 2-03.3(13) is supplemented with the following:  
47

1  
2 (\*\*\*\*\*)

3 A Borrow site is provided at Pit Site #555, Dry Coulee, Sec. 34, T23N, R27E W.M.  
4 located on Road 25-NE 1 mile west of Dry Coulee Road. The Contractor shall strip the  
5 top 12" of top soil and stockpile at this location prior to removing any borrow material.  
6 The maximum slope created from removing the borrow material shall be 3 Horizontal to  
7 1 Vertical (3H:1V), unless otherwise approved by the Engineer. After all borrow material  
8 is removed the stockpiled top soil shall be uniformly spread and compacted over the  
9 disturbed area.

10  
11 **Payment**

12  
13 (\*\*\*\*\*)

14 The unit contract price bid per cubic yard for "Borrow Excavation incl. Haul" shall be full  
15 compensation for performing the work outlined herein and in accordance with the plans  
16 and specifications.

17  
18  
19 **DIVISION 3 PRODUCTION FROM QUARRY AND PIT SITES AND STOCKPILING**

20  
21 **PRODUCTION FROM QUARRY AND PIT SITES**

22  
23 **State Furnished Material Sources**

24 Section 3-01.3 is supplemented with the following:

25  
26 (\*\*\*\*\*)

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

29  
30 Stockpile Site \*\*\* #587 \*\*\* source for \*\*\* crushed surfacing base course and maintenance  
31 rock \*\*\* is located in Section 6, Township 22 North, Range 30 East W.M.

32  
33  
34 **STOCKPILING AGGREGATES**

35  
36 **General Requirements**

37  
38 ***Removing Aggregates From Stockpiles***

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

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

42 Crushed Surfacing Base Course and Maintenance Rock aggregates for use in this  
43 project exist in stockpile at the location and for the unit prices listed below and in the  
44 amounts shown in the Plans.

45  
46

<u>Location</u>	<u>Material</u>	<u>Price</u>
Index #587, PS-GT-330	Crushed Surfacing Base Course	\$2.33/Ton
Mordhorst Pit	Maintenance Rock	\$2.82/Ton
Sec. 6, T22N, R30 E WM	Gravel Backfill for Pipe Zone Bedding	\$4.57/C.Y.

47  
48  
49  
50  
51  
52 The Contractor may obtain material from other sources provided they are approved by  
53 the Engineer and provided the Contractor makes all arrangements and pays all  
54 expenses required for the acquisition of the materials.

1  
2 **Payment**

3 Section 3-02.5 is supplemented with the following:

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

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

10  
11 If the Contractor chooses to use the materials existing in stockpile, the County shall  
12 deduct the costs of such aggregates from monthly progress estimates in accordance  
13 with the rates specified above and based on the quantity of materials allowed by the  
14 Engineer on the monthly progress payments and final estimate.

15  
16 **SITE RECLAMATION**

17  
18 **Contracting-Agency Provided Sites**

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

20  
21 (March 13, 1995)

22 Site reclamation shall be performed by the Contracting Agency on all sites furnished by  
23 the Contracting Agency.

24  
25  
26 **DIVISION 4 BASES**

27  
28 **BALLAST AND CRUSHED SURFACING**

29  
30 **Construction Requirements**

31  
32 **Equipment**

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

34  
35 (\*\*\*\*\*)

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

41  
42 **Placing and Spreading**

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

44  
45 (\*\*\*\*\*)

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

49  
50 The Contractor will place the material in such a way as to minimize the impact of  
51 the hauling vehicles. Hauling over any of the surfacing materials prior to  
52 processing shall not be permitted.

1 **Miscellaneous Requirement**

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

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

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

10  
11  
12 **DIVISION 8 MISCELLANEOUS CONSTRUCTION**

13  
14 **EROSION CONTROL AND WATER POLLUTION CONTROL**

15  
16 **Construction Requirements**

17  
18 **Mulching**

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

20  
21 (\*\*\*\*\*)

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

26  
27  
28 **DIVISION 9 MATERIALS**

29  
30 **EROSION CONTROL AND ROADSIDE PLANTING**

31  
32 **Seed**

33 Section 9-14.2 is supplemented with the following:

34  
35 (\*\*\*\*\*)

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

39 Kind and variety of	40 % By	41 Minimum %	42 Minimum %
43 Seed in mixture	44 Weight	45 Pure Seed	46 Germination
47 <b>Arid Area Mix A Containing*:</b>			
48 Sherman Big Bluegrass	10	9.5	70
49 Crested Wheatgrass	30	28.5	85
50 Schwindamer Thickspike	30	28.5	85
51 Slender Wheatgrass	30	28.0	85
52 Weed Seed		2.0 (max)	
53 Inert and other crop		<u>3.5 (max)</u>	
Total		100.0	
54 <b>Arid Area Mix B Containing**:</b>			
55 Sheep Fescue	30	28.5	85
56 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**

*January 3, 2011*

The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-01 transmitted under Publications Transmittal No. PT 08-001, effective January 3, 2011 is made a part of this contract.

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Informational Only - NOT FOR BIDDING

**PROPOSAL**

To: Board of County Commissioners  
Grant County, Washington

Date: \_\_\_\_\_, 2011

This certifies that the undersigned has examined the location of **Dry Coulee Road, CRP 10-02, 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.

**Dry Coulee Road**

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

<b>Item No.</b>	<b>Plan Quantity</b>	<b>Item Description</b>	<b>Price per Unit* Dollars . Cents</b>	<b>Total Amount Dollars . Cents</b>
-----------------	----------------------	-------------------------	--	---

**PREPARATION**

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	.
---	------------------	-----------------------	-------------------------------------	---

**GRADING**

4	18,679 C.Y.	Roadway Excavation including Haul	At . . Per Cubic Yard	.
---	----------------	-----------------------------------	-----------------------------	---

5	16,520 Cu. Yd.	Embankment Compaction	At . . Per Cubic Yard	.
---	-------------------	-----------------------	-----------------------------	---

6	4,000 Cu. Yd.	Borrow Excavation including Haul from Pit Site #555	At . . Per Cubic Yard	.
---	------------------	--	-----------------------------	---

Item No.	Plan Quantity	Item Description	Price per Unit* Dollars . Cents	Total Amount Dollars . Cents
7	Estimate	Force Account – Rock Excavation	At //////////./////	\$2,000.00
<b>DRAINAGE</b>				
8	100 L.F.	Plain Steel Culvert Pipe 0.064" Th. – 12" Diameter	At . Per Linear Foot	.
9	50 L.F.	Plain Steel Culvert Pipe 0.064" Th. – 18" Diameter	At . Per Linear Foot	.
10	55 L.F.	Plain Steel Culvert Pipe 0.064" Th. – 24" Diameter	At . Per Linear Foot	.
11	26 L.F.	Extend Existing Concrete Pipe – 24" Diameter	At . Per Linear Foot	.
12	45 L.F.	Extend Existing Plain Steel Culvert Pipe 0.064" Th. – 36" Diameter	At . Per Linear Foot	.
<b>SURFACING</b>				
13	15,700 Ton	Crushed Surfacing Base Course from Stockpile #587	At . Per Ton	.
14	10,500 Ton	Maintenance Rock from Stockpile #587	At . Per Ton	.
<b>OTHER ITEMS</b>				
15	41 Cu. Yd.	Structure Excavation Class "B" including Haul	At . Per Cubic Yard	.
16	35 Cu. Yd.	Gravel Backfill for Pipe Zone Bedding	At . Per Cubic Yard	.
17	100% Lump Sum	Trimming and Cleanup	At //////////./////	.
			Per Lump Sum	

Item No.	Plan Quantity	Item Description	Price per Unit* Dollars . Cents	Total Amount Dollars . Cents
18	8.0 Acre	Seeding, Fertilizing and Mulching with Arid Area Mix A or B	At . Per Acre	.
19	3,115 L.F.	Wire Fence Type 2	At . Per Linear Foot	.
20	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: \_\_\_\_\_, 2011

RE: **Dry Coulee Road, CRP 10-02**

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 3.91 miles of a county road in Grant County, WA, and includes roadway excavation, embankment compaction, crushed surfacing base course, maintenance rock, drainage items, 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

## 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 **Dry Coulee Road, CRP 10-02**, 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 \_\_\_\_\_, 2011

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 **Dry Coulee Road, CRP 10-02**, located in Grant County, Washington, as proposed in a bid opened **1:30 P.M., Tuesday, July 5, 2011** 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 \_\_\_\_\_, 2011

\_\_\_\_\_  
Signature

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

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

\_\_\_\_\_  
Address

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

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

ATTEST:

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

APPROVED AS TO FORM:

\_\_\_\_ day of \_\_\_\_\_, 2011

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

BOARD OF COUNTY COMMISSIONERS  
OF GRANT COUNTY, WASHINGTON

Done this \_\_\_\_ day of \_\_\_\_\_, 2011

\_\_\_\_\_  
Chair

\_\_\_\_\_  
Member

\_\_\_\_\_  
Member

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**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 \_\_\_\_\_, 2011.

The conditions of the above obligation are such that:

WHEREAS, on **July 5, 2011**, 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 **Dry Coulee Road, CRP 10-02**, 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:

(\_\_\_\_\_) \_\_\_\_\_, 2011  
Firm, Street Address (No P.O. Box), Phone of Local Office of Agent Deputy Prosecuting Attorney

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

Informational Only - NOT FOR BIDDING

## 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.

Informational Only - NOT FOR BIDDING

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: 6/16/2011

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>
Grant	<a href="#">Asbestos Abatement Workers</a>	Journey Level	\$20.79		<u>1</u>	
Grant	<a href="#">Boilermakers</a>	Journey Level	\$59.69	<u>5N</u>	<u>1C</u>	
Grant	<a href="#">Brick Mason</a>	Journey Level	\$40.03	<u>5A</u>	<u>1M</u>	
Grant	<a href="#">Building Service Employees</a>	Janitor	\$12.56		<u>1</u>	
Grant	<a href="#">Building Service Employees</a>	Shampooer	\$11.14		<u>1</u>	
Grant	<a href="#">Building Service Employees</a>	Waxer	\$8.89		<u>1</u>	
Grant	<a href="#">Building Service Employees</a>	Window Cleaner	\$9.14		<u>1</u>	
Grant	<a href="#">Cabinet Makers (In Shop)</a>	Journey Level	\$8.67		<u>1</u>	
Grant	<a href="#">Carpenters</a>	Carpenters	\$37.16	<u>5A</u>	<u>1B</u>	<u>8N</u>
Grant	<a href="#">Cement Masons</a>	Journey Level	\$35.85	<u>7B</u>	<u>1N</u>	
Grant	<a href="#">Divers &amp; Tenders</a>	Diver	\$80.48	<u>5A</u>	<u>1B</u>	<u>8A</u>
Grant	<a href="#">Divers &amp; Tenders</a>	Diver on Standby	\$45.79	<u>5A</u>	<u>1B</u>	
Grant	<a href="#">Divers &amp; Tenders</a>	Diver Tender	\$44.79	<u>5A</u>	<u>1B</u>	
Grant	<a href="#">Divers &amp; Tenders</a>	Diving Master	\$54.23	<u>5A</u>	<u>1B</u>	
Grant	<a href="#">Divers &amp; Tenders</a>	Surface RCV & ROV Operator	\$44.79	<u>5A</u>	<u>1B</u>	
Grant	<a href="#">Divers &amp; Tenders</a>	Surface RCV & ROV Operator Tender	\$43.04	<u>5A</u>	<u>1B</u>	
Grant	<a href="#">Dredge Workers</a>	Assistant Engineer	\$47.09	<u>5D</u>	<u>1N</u>	<u>8D</u>
Grant	<a href="#">Dredge Workers</a>	Assistant Mate(deckhand)	\$46.58	<u>5D</u>	<u>1N</u>	<u>8D</u>
Grant	<a href="#">Dredge Workers</a>	Boatmen	\$47.09	<u>5D</u>	<u>1N</u>	<u>8D</u>
Grant	<a href="#">Dredge Workers</a>	Engineer Oiler	\$47.14	<u>5D</u>	<u>1N</u>	<u>8D</u>
Grant	<a href="#">Dredge Workers</a>	Leverman, Hydraulic	\$48.71	<u>5D</u>	<u>1N</u>	<u>8D</u>
Grant	<a href="#">Dredge Workers</a>	Maintenance	\$46.58	<u>5D</u>	<u>1N</u>	<u>8D</u>
Grant	<a href="#">Dredge Workers</a>	Mates	\$47.09	<u>5D</u>	<u>1N</u>	<u>8D</u>
Grant	<a href="#">Dredge Workers</a>	Oiler	\$46.58	<u>5D</u>	<u>1N</u>	<u>8D</u>
Grant	<a href="#">Drywall Applicator</a>	Journey Level	\$37.16	<u>5A</u>	<u>1B</u>	<u>8N</u>
Grant	<a href="#">Drywall Tapers</a>	Journey Level	\$31.79	<u>7E</u>	<u>1P</u>	
Grant	<a href="#">Electrical Fixture Maintenance</a>	Journey Level	\$24.88		<u>1</u>	

	<a href="#">Workers</a>				
Grant	<a href="#">Electricians - Inside</a>	Cable Splicer	\$52.31	<u>7H</u>	<u>1E</u>
Grant	<a href="#">Electricians - Inside</a>	Construction Stock Person	\$26.34	<u>7H</u>	<u>1D</u>
Grant	<a href="#">Electricians - Inside</a>	Journey Level	\$48.72	<u>7H</u>	<u>1E</u>
Grant	<a href="#">Electricians - Motor Shop</a>	Craftsman	\$15.37		<u>1</u>
Grant	<a href="#">Electricians - Motor Shop</a>	Journey Level	\$14.69		<u>1</u>
Grant	<a href="#">Electricians - Powerline Construction</a>	Cable Splicer	\$63.04	<u>5A</u>	<u>4A</u>
Grant	<a href="#">Electricians - Powerline Construction</a>	Certified Line Welder	\$57.61	<u>5A</u>	<u>4A</u>
Grant	<a href="#">Electricians - Powerline Construction</a>	Groundperson	\$41.06	<u>5A</u>	<u>4A</u>
Grant	<a href="#">Electricians - Powerline Construction</a>	Head Groundperson	\$43.33	<u>5A</u>	<u>4A</u>
Grant	<a href="#">Electricians - Powerline Construction</a>	Heavy Line Equipment Operator	\$57.61	<u>5A</u>	<u>4A</u>
Grant	<a href="#">Electricians - Powerline Construction</a>	Jackhammer Operator	\$43.33	<u>5A</u>	<u>4A</u>
Grant	<a href="#">Electricians - Powerline Construction</a>	Journey Level Lineperson	\$57.61	<u>5A</u>	<u>4A</u>
Grant	<a href="#">Electricians - Powerline Construction</a>	Line Equipment Operator	\$48.64	<u>5A</u>	<u>4A</u>
Grant	<a href="#">Electricians - Powerline Construction</a>	Pole Sprayer	\$57.61	<u>5A</u>	<u>4A</u>
Grant	<a href="#">Electricians - Powerline Construction</a>	Powderperson	\$43.33	<u>5A</u>	<u>4A</u>
Grant	<a href="#">Electronic Technicians</a>	Journey Level	\$17.31		<u>1</u>
Grant	<a href="#">Elevator Constructors</a>	Mechanic	\$67.91	<u>7D</u>	<u>4A</u>
Grant	<a href="#">Elevator Constructors</a>	Mechanic In Charge	\$73.87	<u>7D</u>	<u>4A</u>
Grant	<a href="#">Fabricated Precast Concrete Products</a>	Journey Level - In-Factory Work Only	\$9.96		<u>1</u>
Grant	<a href="#">Fence Erectors</a>	Fence Erector	\$13.80		<u>1</u>
Grant	<a href="#">Fence Erectors</a>	Fence Laborer	\$11.60		<u>1</u>
Grant	<a href="#">Flaggers</a>	Journey Level	\$30.31	<u>7B</u>	<u>1M</u>
Grant	<a href="#">Glaziers</a>	Journey Level	\$24.39	<u>7E</u>	<u>1K</u>
Grant	<a href="#">Heat &amp; Frost Insulators And Asbestos Workers</a>	Journey Level	\$45.77		<u>1</u>
Grant	<a href="#">Heating Equipment Mechanics</a>	Journey Level	\$27.67		<u>1</u>
Grant	<a href="#">Hod Carriers &amp; Mason Tenders</a>	Journey Level	\$33.69	<u>7B</u>	<u>1M</u>
Grant	<a href="#">Industrial Engine And Machine Mechanics</a>	Journey Level	\$15.65		<u>1</u>
Grant	<a href="#">Industrial Power Vacuum Cleaner</a>	Journey Level	\$9.24		<u>1</u>
Grant	<a href="#">Inland Boatmen</a>	Journey Level	\$8.67		<u>1</u>
Grant	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Cleaner Operator, Foamer Operator	\$9.73		<u>1</u>
Grant	<a href="#">Inspection/Cleaning/Sealing Of</a>	Grout Truck Operator	\$11.48		<u>1</u>

	<a href="#">Sewer &amp; Water Systems By Remote Control</a>					
Grant	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Head Operator	\$12.78		<u>1</u>	
Grant	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Technician	\$8.67		<u>1</u>	
Grant	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Tv Truck Operator	\$10.53		<u>1</u>	
Grant	<a href="#">Insulation Applicators</a>	Journey Level	\$37.16	<u>5A</u>	<u>1B</u>	<u>8N</u>
Grant	<a href="#">Ironworkers</a>	Journeyman	\$50.69	<u>7N</u>	<u>1O</u>	
Grant	<a href="#">Laborers</a>	Air And Hydraulic Track Drill	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Asphalt Raker	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Asphalt Roller, Walking	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Brick Pavers	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Brush Hog Feeder	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Brush Machine	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Caisson Worker, Free Air	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Carpenter Tender	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Cement Finisher Tender	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Cement Handler	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Chain Saw Operator & Faller	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Clean-up Laborer	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Compaction Equipment	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Concrete Crewman	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Concrete Saw, Walking	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Concrete Signalman	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Concrete Stack	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Confined Space Attendant	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Crusher Feeder	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Demolition	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Demolition Torch	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Dope Pot Fireman, Non-mechanical	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Driller Helper (when Required To Move & Position Machine)	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Drills With Dual Masts	\$33.23	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Dry Stack Walls	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Dumpman	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Erosion Control Laborer	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Final Detail Cleanup (i.e., Dusting, Vacuuming, Window Cleaning; Not Construction Debris Cleanup)	\$30.31	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Firewatch	\$32.41	<u>7B</u>	<u>1M</u>	

Grant	<a href="#">Laborers</a>	Form Cleaning Machine Feeder, Stacker	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Form Setter, Paving	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	General Laborer	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Grade Checker	\$34.94	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Grout Machine Header Tender	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Guard Rail	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Gunite	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Hazardous Waste Worker (level A)	\$33.23	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Hazardous Waste Worker (level B)	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Hazardous Waste Worker (level C)	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Hazardous Waste Worker (level D)	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Hdpe Or Similar Liner Installer	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	High Scaler	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Jackhammer Operator Miner, Class "b"	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Laser Beam Operator	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Miner, Class "a"	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Miner, Class "c"	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Miner, Class "d"	\$33.23	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Monitor Operator, Air Track Or Similar Mounting	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Mortar Mixer	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Nipper	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Nozzleman	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Nozzleman, Water (to Include Fire Hose), Air Or Steam	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Pavement Breaker, 90 Lbs. & Over	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Pavement Breaker, Under 90 Lbs.	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Pipelayer	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Pipelayer, Corrugated Metal Culvert And Multi-plate	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Pipewrapper	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Plasterer Tenders	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Pot Tender	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Powderman	\$34.60	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Powderman Helper	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Power Buggy Operator	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Power Tool Operator, Gas, Electric, Pneumatic	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Railroad Equipment, Power	\$32.68	<u>7B</u>	<u>1M</u>	

		Driven, Except Dual Mobile				
Grant	<a href="#">Laborers</a>	Railroad Power Spiker Or Puller, Dual Mobile	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Remote Equipment Operator	\$33.23	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Remote Equipment Operator (i.e. Compaction And Demolition)	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Rigger/signal Person	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Riprap Person	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Rodder & Spreader	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Sandblast Tailhoseman	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Scaffold Erector, Wood Or Steel	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Stake Jumper	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Structural Mover	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Tailhoseman (water Nozzle)	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Timber Bucker & Faller (by Hand)	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Track Laborer (rr)	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Trencher, Shawnee	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Trenchless Technology Technician	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Truck Loader	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Tugger Operator	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Vibrators, All	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Wagon Drills	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Water Pipe Liner	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Welder, Electric, Manual Or Automatic (hdpe Or Similar Pipe And Liner)	\$33.23	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Well-point Person	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Wheelbarrow, Power Driven	\$32.68	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers - Underground Sewer &amp; Water</a>	General Laborer & Topman	\$32.41	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Laborers - Underground Sewer &amp; Water</a>	Pipe Layer	\$32.95	<u>7B</u>	<u>1M</u>	
Grant	<a href="#">Landscape Construction</a>	Irrigation Or Lawn Sprinkler Installers	\$9.00		<u>1</u>	
Grant	<a href="#">Landscape Construction</a>	Landscape Equipment Operators Or Truck Drivers	\$9.00		<u>1</u>	
Grant	<a href="#">Landscape Construction</a>	Landscaping Or Planting Laborers	\$9.00		<u>1</u>	
Grant	<a href="#">Lathers</a>	Journey Level	\$37.16	<u>5A</u>	<u>1B</u>	<u>8N</u>
Grant	<a href="#">Marble Setters</a>	Journey Level	\$40.03	<u>5A</u>	<u>1M</u>	
Grant	<a href="#">Metal Fabrication (In Shop)</a>	Fitter	\$10.79		<u>1</u>	
Grant	<a href="#">Metal Fabrication (In Shop)</a>	Painter	\$8.67		<u>1</u>	
Grant	<a href="#">Metal Fabrication (In Shop)</a>	Welder	\$10.79		<u>1</u>	

Grant	<a href="#">Millwright</a>	Journey Level	\$43.10	<u>5A</u>	<u>1B</u>	<u>8N</u>
Grant	<a href="#">Modular Buildings</a>	Journey Level	\$8.67		<u>1</u>	
Grant	<a href="#">Painters</a>	Journey Level	\$34.87	<u>6Z</u>	<u>2B</u>	
Grant	<a href="#">Pile Driver</a>	Journey Level	\$38.10	<u>5A</u>	<u>1B</u>	<u>8N</u>
Grant	<a href="#">Plasterers</a>	Journey Level	\$10.00		<u>1</u>	
Grant	<a href="#">Playground &amp; Park Equipment Installers</a>	Journey Level	\$8.67		<u>1</u>	
Grant	<a href="#">Plumbers &amp; Pipefitters</a>	Journey Level	\$27.67		<u>1</u>	
Grant	<a href="#">Power Equipment Operators</a>	A-frame Truck (2 Or More Drums)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	A-frame Truck (single Drum)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Asphalt Plant Operator	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Assistant Plant Operator, Fireman Or Pugmixer (asphalt)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Assistant Refrigeration Plant & Chiller Operator (over 1000 Ton)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Assistant Refrigeration Plant (under 1000 Ton)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Automatic Subgrader (ditches & Trimmers)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Backfillers (cleveland & Similar)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Backhoe & Hoe Ram (under 3/4 Yd.)	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Backhoe (45,000 Gw & Under)	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Backhoe (45,000 Gw To 110,000 Gw)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Backhoe (over 110,000 Gw)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Backhoes & Hoe Ram (3 Yds & Over)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Backhoes & Hoe Ram (3/4 Yd. To 3 Yd.)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Bagley Or Stationary Scraper	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Batch & Wet Mix Operator (multiple Units, 2 & Incl. 4)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Batch Plant & Wet Mix Operator, Single Unit (concrete)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Batch Plant (over 4 Units)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Belt Finishing Machine	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Belt Loader (kocal Or Similar)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Belt-crete Conveyors With Power Pack Or Similar	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Bending Machine	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Bit Grinders	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Blade (finish & Bluetop), Automatic, Cmi, Abc, Finish	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>

		Athey & Huber & Similar When Used As Automatic				
Grant	<a href="#">Power Equipment Operators</a>	Blade Operator (motor Patrol & Attachments)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Blower Operator (cement)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Boat Operator	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Bob Cat (skid Steer)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Bolt Threading Machine	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Boom Cats (side)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Boring Machine (earth)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Boring Machine (rock Under 8" Bit) (quarry Master, Joy Or Similar)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Bump Cutter (wayne, Saginaw Or Similar)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Cableway Controller (dispatcher)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Cableway Operators	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Canal Lining Machine (concrete)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Carrydeck & Boom Truck (under 25 Tons)	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Cement Hog	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Chipper (without Crane) Cleaning & Doping Machine (pipeline)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Clamshell, Dragline	\$38.71	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Compactor (self-propelled With Blade)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Compressor (2000 Cfm Or Over, 2 Or More, Gas Diesel Or Electric Power)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Compressors (under 2000 Cfm, Gas, Diesel Or Electric Power)	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Concrete Cleaning / Decontamination Machine Operator	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Concrete Pump Boon Truck	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Concrete Pumps (squeeze-crete, Flow-crete, Whitman & Similar)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Concrete Saw (multiple Cut)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Concrete Slip Form Paver	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Conveyor Aggregate Delivery Systems (c.a.d.)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Crane Oiler- Driver (cdl Required) & Cable Tender, Mucking Machine	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Cranes (25 Tons & Under), All	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>

		Attachments Incl. Clamshell, Dragline				
Grant	<a href="#">Power Equipment Operators</a>	Cranes (25 Tons To And Including 45 Tons), All Attachments Incl. Clamshell, Dragline	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Cranes (45 Tons To 85 Tons), All Attachments Incl. Clamshell And Dragline	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Cranes (85 Tons & Over) And All Climbing, Overhead, Rail & Tower. All Attachments Incl.	\$38.71	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Crusher Feeder	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Crusher, Grizzle & Screening Plant Operator	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Curb Extruder (asphalt Or Concrete)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Deck Engineer	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Deck Hand	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Derricks & Stifflegs (65 Tons & Over)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Derricks & Stifflegs (under 65 Tons)	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Distributor Leverman	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Ditch Witch Or Similar	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Dope Pots (power Agitated	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Dozer / Tractor (up To D-6 Or Equivalent) And Traxcavator	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Dozer / Tractors (d-6 & Equivalent & Over)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Dozer, 834 R/t & Similar	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Drill Doctor	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Driller Licensed	\$38.71	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Drillers Helper	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Drilling Equipment (8" Bit & Over) (robbins, Reverse Circulation & Similar)	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Drills (churn, Core, Calyx Or Diamond)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Elevating Belt (holland Type)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Elevating Belt-type Loader (euclid, Barber Green & Similar)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Elevating Grader-type Loader (dumor, Adams Or Similar)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Elevator Hoisting Materials	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Equipment Serviceman, Greaser & Oiler	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Fireman & Heater Tender	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>

Grant	<a href="#">Power Equipment Operators</a>	Fork Lift Or Lumber Stacker, Hydra-life & Similar	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Generator Plant Engineers (diesel Or Electric)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Gin Trucks (pipeline)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Grade Checker	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Gunite Combination Mixer & Compressor	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	H.d. Mechanic	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	H.d. Welder	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Helicopter Pilot	\$38.71	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Helper, Mechanic Or Welder, H.D	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Hoe Ram	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Hoist (2 Or More Drums Or Tower Hoist)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Hoist, Single Drum	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Hydraulic Platform Trailers (goldhofer, Shaurerly And Similar)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Hydro-seeder, Mulcher, Nozzleman	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Lime Batch Tank Operator (recycle Train)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Lime Brain Operator (recycle Train)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Loader (360 Degrees Revolving Koehring Scooper Or Similar)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Loader Operator (front-end & Overhead, 4 Yds. Incl. 8 Yds.)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Loaders (bucket Elevators And Conveyors)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Loaders (overhead & Front-end, Over 8 Yds. To 10 Yds.)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Loaders (overhead & Front-end, Under 4 Yds.. R/t)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Loaders (overhead And Front-end, 10 Yds. & Over)	\$38.71	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Locomotive Engineer	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Longitudinal Float	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Master Environmental Maintenance Technician	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Mixer (portable - Concrete)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Mixermobile	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Mobile Crusher Operator (recycle Train)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Mucking Machine	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Multiple Dozer Units With	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>

		Single Blade				
Grant	<a href="#">Power Equipment Operators</a>	Pavement Breaker, Hydra-hammer & Similar	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Paving (dual Drum)	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Paving Machine (asphalt And Concrete)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Piledriving Engineers	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Plant Oiler	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Posthole Auger Or Punch	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Power Broom	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Pump (grout Or Jet)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Pumpman	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Quad-track Or Similar Equipment	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Railroad Ballast Regulation Operator (self-propelled)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Railroad Power Tamper Operator (self-propelled)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Railroad Tamper Jack Operator (self-propelled)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Railroad Track Liner Operator (self-propelled)	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Refrigeration Plant Engineer (1000 Tons & Over)	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Refrigeration Plant Engineer (under 1000 Ton)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Rollerman (finishing Asphalt Pavement)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Rollers, All Types On Subgrade, Including Seal And Chip Coating (farm Type, Case, John Deere And Similar, or Compacting Vibrator), Except When Pulled B	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Roto Mill (pavement Grinder)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Rotomill Groundsman	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Rubber-tired Scrapers (multiple Engine With Three Or More Scrapers)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Rubber-tired Skidders (r/t With Or Without Attachments)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Scrapers, All, Rubber-tired	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Screed Operator	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Shovels (3 Yds. & Over)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Shovels (under 3 Yds.)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Signalman (whirleys, Highline, Hammerheads Or Similar)	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Soil Stabilizer (p & H Or Similar)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>

Grant	<a href="#">Power Equipment Operators</a>	Spray Curing Machine (concrete)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Spreader Box (self-propelled)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Spreader Machine	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Steam Cleaner	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Straddle Buggy (ross & Similar On Construction Job Only)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Surface Heater & Planer Machine	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Tractor (farm Type R/t With Attachments, Except Backhoe)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Traverse Finish Machine	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Trenching Machines (7 Ft. Depth & Over)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Trenching Machines (under 7 Ft. Depth Capacity)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Tug Boat Operator	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Tugger Operator	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Turnhead (with Re-screening)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Turnhead Operator	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Ultra High Pressure Waterjet Cutting Tool System Operator, (30,000 Psi)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Vactor Guzzler, Super Sucker	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Vacuum Blasting Machine Operator	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Vacuum Drill (reverse Circulation Drill Under 8" Bit)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Welding Machine	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Whirleys & Hammerheads, All	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	A-frame Truck (2 Or More Drums)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	A-frame Truck (single Drum)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Asphalt Plant Operator	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Assistant Plant Operator, Fireman Or Pugmixer (asphalt)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Assistant Refrigeration Plant & Chiller Operator (over 1000 Ton)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Assistant Refrigeration Plant (under 1000 Ton)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Automatic Subgrader (ditches & Trimmers)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Backfillers (cleveland & Similar)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Backhoe & Hoe Ram (under 3/4 Yd.)	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>

Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Backhoe (45,000 Gw & Under)	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Backhoe (45,000 Gw To 110,000 Gw)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Backhoe (over 110,000 Gw)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Backhoes & Hoe Ram (3 Yds & Over)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Backhoes & Hoe Ram (3/4 Yd. To 3 Yd.)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Bagley Or Stationary Scraper	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Batch & Wet Mix Operator (multiple Units, 2 & Incl. 4)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Batch Plant & Wet Mix Operator, Single Unit (concrete)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Batch Plant (over 4 Units)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Belt Finishing Machine	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Belt Loader (kocal Or Similar)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Belt-crete Conveyors With Power Pack Or Similar	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Bending Machine	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Bit Grinders	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Blade (finish & Bluetop), Automatic, Cmi, Abc, Finish Athey & Huber & Similar When Used As Automatic	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Blade Operator (motor Patrol & Attachments)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Blower Operator (cement)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Boat Operator	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Bob Cat (skid Steer)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Bolt Threading Machine	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Boom Cats (side)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Boring Machine (earth)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Boring Machine (rock Under 8" Bit) (quarry Master, Joy Or Similar)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>

Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Bump Cutter (wayne, Saginaw Or Similar)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cableway Controller (dispatcher)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cableway Operators	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Canal Lining Machine (concrete)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Carrydeck & Boom Truck (under 25 Tons)	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cement Hog	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Chipper (without Crane) Cleaning & Doping Machine (pipeline)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Clamshell, Dragline	\$38.71	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Compactor (self-propelled With Blade)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Compressor (2000 Cfm Or Over, 2 Or More, Gas Diesel Or Electric Power)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Compressors (under 2000 Cfm, Gas, Diesel Or Electric Power)	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Cleaning / Decontamination Machine Operator	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Pump Boon Truck	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Pumps (squeeze-crete, Flow-crete, Whitman & Similar)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Saw (multiple Cut)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Slip Form Paver	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Conveyor Aggregate Delivery Systems (c.a.d.)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Crane Oiler- Driver (cdl Required) & Cable Tender, Mucking Machine	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes (25 Tons & Under), All Attachments Incl. Clamshell, Dragline	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes (25 Tons To And Including 45 Tons), All Attachments Incl. Clamshell, Dragline	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes (45 Tons To 85 Tons), All Attachments Incl. Clamshell And Dragline	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>

Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes (85 Tons & Over) And All Climbing, Overhead, Rail & Tower. All Attachments Incl.	\$38.71	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Crusher Feeder	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Crusher, Grizzle & Screening Plant Operator	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Curb Extruder (asphalt Or Concrete)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Deck Engineer	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Deck Hand	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Derricks & Stifflegs (65 Tons & Over)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Derricks & Stifflegs (under 65 Tons)	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Distributor Leverman	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Ditch Witch Or Similar	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Dope Pots (power Agitated	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Dozer / Tractor (up To D-6 Or Equivalent) And Traxcavator	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Dozer / Tractors (d-6 & Equivalent & Over)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Dozer, 834 R/t & Similar	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Drill Doctor	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Driller Licensed	\$38.71	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Drillers Helper	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Drilling Equipment (8" Bit & Over) (robbins, Reverse Circulation & Similar)	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Drills (churn, Core, Calyx Or Diamond)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Elevating Belt (holland Type)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Elevating Belt-type Loader (euclid, Barber Green & Similar)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Elevating Grader-type Loader (dumor, Adams Or Similar)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Elevator Hoisting Materials	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-</a>	Equipment Serviceman,	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>

	<a href="#">Underground Sewer &amp; Water</a>	Greaser & Oiler				
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Fireman & Heater Tender	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Fork Lift Or Lumber Stacker, Hydra-life & Similar	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Generator Plant Engineers (diesel Or Electric)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Gin Trucks (pipeline)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Grade Checker	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Gunite Combination Mixer & Compressor	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	H.d. Mechanic	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	H.d. Welder	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Helicopter Pilot	\$38.71	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Helper, Mechanic Or Welder, H.D	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Hoe Ram	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Hoist (2 Or More Drums Or Tower Hoist)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Hoist, Single Drum	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Hydraulic Platform Trailers (goldhofer, Shaurerly And Similar)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Hydro-seeder, Mulcher, Nozzleman	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Lime Batch Tank Operator (recycle Train)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Lime Brain Operator (recycle Train)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loader (360 Degrees Revolving Koehring Scooper Or Similar)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loader Operator (front-end & Overhead, 4 Yds. Incl. 8 Yds.)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loaders (bucket Elevators And Conveyors)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loaders (overhead & Front- end, Over 8 Yds. To 10 Yds.)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loaders (overhead & Front- end, Under 4 Yds.. R/t)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loaders (overhead And Front- end, 10 Yds. & Over)	\$38.71	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Locomotive Engineer	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>

Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Longitudinal Float	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Master Environmental Maintenance Technician	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Mixer (portable - Concrete)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Mixermobile	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Mobile Crusher Operator (recycle Train)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Mucking Machine	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Multiple Dozer Units With Single Blade	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Pavement Breaker, Hydra-hammer & Similar	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Paving (dual Drum)	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Paving Machine (asphalt And Concrete)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Piledriving Engineers	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Plant Oiler	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Posthole Auger Or Punch	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Power Broom	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Pump (grout Or Jet)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Pumpman	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Quad-track Or Similar Equipment	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Railroad Ballast Regulation Operator (self-propelled)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Railroad Power Tamper Operator (self-propelled)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Railroad Tamper Jack Operator (self-propelled)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Railroad Track Liner Operator (self-propelled)	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Refrigeration Plant Engineer (1000 Tons & Over)	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Refrigeration Plant Engineer (under 1000 Ton)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Rollerman (finishing Asphalt Pavement)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Rollers, All Types On Subgrade, Including Seal And Chip	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>

		Coating (farm Type, Case, John Deere And Similar, or Compacting Vibrator), Except When Pulled B				
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Roto Mill (pavement Grinder)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Rotomill Groundsman	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Rubber-tired Scrapers (multiple Engine With Three Or More Scrapers)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Rubber-tired Skidders (r/t With Or Without Attachments)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Scrapers, All, Rubber-tired	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Screed Operator	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovels (3 Yds. & Over)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovels (under 3 Yds.)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Signalman (whirleys, Highline, Hammerheads Or Similar)	\$37.06	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Soil Stabilizer (p & H Or Similar)	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Spray Curing Machine (concrete)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Spreader Box (self-propelled)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Spreader Machine	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Steam Cleaner	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Straddle Buggy (ross & Similar On Construction Job Only)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Surface Heater & Planer Machine	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tractor (farm Type R/t With Attachments, Except Backhoe)	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Traverse Finish Machine	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Trenching Machines (7 Ft. Depth & Over)	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Trenching Machines (under 7 Ft. Depth Capacity)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tug Boat Operator	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tugger Operator	\$36.13	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-</a>	Turnhead (with Re-screening)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>

	<a href="#">Underground Sewer &amp; Water</a>					
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Turnhead Operator	\$36.74	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Ultra High Pressure Waterjet Cutting Tool System Operator, (30,000 Psi)	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Vactor Guzzler, Super Sucker	\$37.34	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Vacuum Blasting Machine Operator	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Vacuum Drill (reverse Circulation Drill Under 8" Bit)	\$36.90	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Welding Machine	\$35.81	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Whirleys & Hammerheads, All	\$37.61	<u>7B</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Line Clearance Tree Trimmers</a>	Journey Level In Charge	\$41.04	<u>5A</u>	<u>4A</u>	
Grant	<a href="#">Power Line Clearance Tree Trimmers</a>	Spray Person	\$38.98	<u>5A</u>	<u>4A</u>	
Grant	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Equipment Operator	\$41.04	<u>5A</u>	<u>4A</u>	
Grant	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Trimmer	\$36.75	<u>5A</u>	<u>4A</u>	
Grant	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Trimmer Groundperson	\$27.80	<u>5A</u>	<u>4A</u>	
Grant	<a href="#">Refrigeration &amp; Air Conditioning Mechanics</a>	Journey Level	\$27.67		<u>1</u>	
Grant	<a href="#">Residential Brick Mason</a>	Journey Level	\$40.03	<u>5A</u>	<u>1M</u>	
Grant	<a href="#">Residential Carpenters</a>	Journey Level	\$13.86		<u>1</u>	
Grant	<a href="#">Residential Cement Masons</a>	Journey Level	\$9.50		<u>1</u>	
Grant	<a href="#">Residential Drywall Applicators</a>	Journey Level	\$17.49		<u>1</u>	
Grant	<a href="#">Residential Drywall Tapers</a>	Journey Level	\$14.00		<u>1</u>	
Grant	<a href="#">Residential Electricians</a>	Journey Level	\$22.95		<u>1</u>	
Grant	<a href="#">Residential Glaziers</a>	Journey Level	\$13.80		<u>1</u>	
Grant	<a href="#">Residential Insulation Applicators</a>	Journey Level	\$10.00		<u>1</u>	
Grant	<a href="#">Residential Laborers</a>	Journey Level	\$11.10		<u>1</u>	
Grant	<a href="#">Residential Marble Setters</a>	Journey Level	\$40.03	<u>5A</u>	<u>1M</u>	
Grant	<a href="#">Residential Painters</a>	Journey Level	\$13.52		<u>1</u>	
Grant	<a href="#">Residential Plumbers &amp; Pipefitters</a>	Journey Level	\$21.17		<u>1</u>	
Grant	<a href="#">Residential Refrigeration &amp; Air Conditioning Mechanics</a>	Journey Level	\$21.17		<u>1</u>	
Grant	<a href="#">Residential Sheet Metal Workers</a>	Journey Level	\$26.53		<u>1</u>	
Grant	<a href="#">Residential Soft Floor Layers</a>	Journey Level	\$22.77		<u>1</u>	
Grant	<a href="#">Residential Sprinkler Fitters</a>	Journey Level	\$16.84		<u>1</u>	

	<a href="#">(Fire Protection)</a>				
Grant	<a href="#">Residential Stone Masons</a>	Journey Level	\$40.03	<u>5A</u>	<u>1M</u>
Grant	<a href="#">Residential Terrazzo Workers</a>	Journey Level	\$8.67		<u>1</u>
Grant	<a href="#">Residential Terrazzo/Tile Finishers</a>	Journey Level	\$17.00		<u>1</u>
Grant	<a href="#">Residential Tile Setters</a>	Journey Level	\$8.67		<u>1</u>
Grant	<a href="#">Roofers</a>	Journey Level	\$26.11		<u>1</u>
Grant	<a href="#">Sheet Metal Workers</a>	Journey Level	\$44.51	<u>6Z</u>	<u>1B</u>
Grant	<a href="#">Shipbuilding &amp; Ship Repair</a>	Journey Level	\$8.67		<u>1</u>
Grant	<a href="#">Sign Makers &amp; Installers (Electrical)</a>	Journey Level	\$52.65	<u>7F</u>	<u>1E</u>
Grant	<a href="#">Sign Makers &amp; Installers (Non-Electrical)</a>	Journey Level	\$14.65		<u>1</u>
Grant	<a href="#">Soft Floor Layers</a>	Journey Level	\$22.77		<u>1</u>
Grant	<a href="#">Solar Controls For Windows</a>	Journey Level	\$8.67		<u>1</u>
Grant	<a href="#">Sprinkler Fitters (Fire Protection)</a>	Journey Level	\$47.35	<u>7J</u>	<u>1R</u>
Grant	<a href="#">Stage Rigging Mechanics (Non Structural)</a>	Journey Level	\$13.23		<u>1</u>
Grant	<a href="#">Stone Masons</a>	Journey Level	\$40.03	<u>5A</u>	<u>1M</u>
Grant	<a href="#">Street And Parking Lot Sweeper Workers</a>	Journey Level	\$14.00		<u>1</u>
Grant	<a href="#">Surveyors</a>	All Classifications	\$28.57	<u>Null</u>	<u>1</u>
Grant	<a href="#">Telecommunication Technicians</a>	Journey Level	\$17.65		<u>1</u>
Grant	<a href="#">Telephone Line Construction - Outside</a>	Cable Splicer	\$32.27	<u>5A</u>	<u>2B</u>
Grant	<a href="#">Telephone Line Construction - Outside</a>	Hole Digger/Ground Person	\$18.10	<u>5A</u>	<u>2B</u>
Grant	<a href="#">Telephone Line Construction - Outside</a>	Installer (Repairer)	\$30.94	<u>5A</u>	<u>2B</u>
Grant	<a href="#">Telephone Line Construction - Outside</a>	Special Aparatus Installer I	\$32.27	<u>5A</u>	<u>2B</u>
Grant	<a href="#">Telephone Line Construction - Outside</a>	Special Apparatus Installer II	\$31.62	<u>5A</u>	<u>2B</u>
Grant	<a href="#">Telephone Line Construction - Outside</a>	Telephone Equipment Operator (Heavy)	\$32.27	<u>5A</u>	<u>2B</u>
Grant	<a href="#">Telephone Line Construction - Outside</a>	Telephone Equipment Operator (Light)	\$30.02	<u>5A</u>	<u>2B</u>
Grant	<a href="#">Telephone Line Construction - Outside</a>	Telephone Lineperson	\$30.02	<u>5A</u>	<u>2B</u>
Grant	<a href="#">Telephone Line Construction - Outside</a>	Television Groundperson	\$17.18	<u>5A</u>	<u>2B</u>
Grant	<a href="#">Telephone Line Construction - Outside</a>	Television Lineperson/Installer	\$22.73	<u>5A</u>	<u>2B</u>
Grant	<a href="#">Telephone Line Construction - Outside</a>	Television System Technician	\$27.09	<u>5A</u>	<u>2B</u>
Grant	<a href="#">Telephone Line Construction -</a>	Television Technician	\$24.35	<u>5A</u>	<u>2B</u>

	<a href="#">Outside</a>				
Grant	<a href="#">Telephone Line Construction - Outside</a>	Tree Trimmer	\$30.02	<u>5A</u>	<u>2B</u>
Grant	<a href="#">Terrazzo Workers</a>	Journey Level	\$31.90	<u>5A</u>	<u>1M</u>
Grant	<a href="#">Tile Setters</a>	Journey Level	\$31.90	<u>5A</u>	<u>1M</u>
Grant	<a href="#">Tile, Marble &amp; Terrazzo Finishers</a>	Journey Level	\$27.82	<u>5A</u>	<u>1M</u>
Grant	<a href="#">Traffic Control Stripers</a>	Journey Level	\$39.40	<u>7A</u>	<u>1K</u>
Grant	<a href="#">Truck Drivers</a>	Dump Truck	\$26.09		<u>1</u>
Grant	<a href="#">Truck Drivers</a>	Dump Truck And Trailer	\$26.09		<u>1</u>
Grant	<a href="#">Truck Drivers</a>	Other Trucks	\$27.84		<u>1</u>
Grant	<a href="#">Truck Drivers</a>	Transit Mixer	\$10.00		<u>1</u>
Grant	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Irrigation Pump Installer	\$13.61		<u>1</u>
Grant	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Oiler	\$9.20		<u>1</u>
Grant	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Well Driller	\$18.00		<u>1</u>

**BENEFIT CODE KEY - EFFECTIVE 03-03-2011 THRU 08-31-2011**

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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 ONE AND 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.
  - L. 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.
  - 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.
  - 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.

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- 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.
- 1. 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.
- T. 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. 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.
- 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.

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1. 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.
  
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.
  - P. THE FIRST EIGHT (8) HOURS ON SATURDAY SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS ON SATURDAY AND ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT TWO TIMES THE HOURLY RATE OF WAGE.
  
2. 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.
  - S. 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, EXCEPT THE DAY AFTER THANKSGIVING, THE DAY AFTER CHRISTMAS AND A FLOATING HOLIDAY, WHICH SHALL BE PAID AT THE STRAIGHT TIME RATE IF WORKED, IN ADDITION TO HOLIDAY PAY.
  - 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.
  - Z. ALL HOURS WORKED MONDAY THROUGH FRIDAY BETWEEN THE HOURS OF 6:00 P.M. AND 6:00 A.M. AND ALL HOURS WORKED ON SATURDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE, **EXCEPT** FOR COMMERCIAL, OCCUPIED BUILDINGS WHERE FLOOR COVERING WORK CANNOT BE PERFORMED IN THE REGULAR DAYTIME HOURS DUE TO OCCUPANCY. FOR SUCH OCCUPIED, COMMERCIAL BUILDINGS; THE EMPLOYEE MAY AGREE TO WORK BETWEEN THE HOURS OF 6:00 PM TO 6:00 AM MONDAY THROUGH SATURDAY MORNING AT 6:00 AM AT AN OVERTIME PAY RATE OF 10% OVER THE STRAIGHT TIME RATE. ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.

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.
- B. 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 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.

**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).
- 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.
- 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).
5. 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).
- V. PAID HOLIDAYS: SIX (6) PAID HOLIDAYS.

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- 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).
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).
- F. PAID HOLIDAYS: NEW YEAR'S DAY, MARTIN LUTHER KING JR. DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS' DAY, THANKSGIVING DAY, THE DAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (11).
- 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. Q. PAID HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS DAY, THANKSGIVING DAY, THE DAY AFTER THANKSGIVING DAY AND CHRISTMAS DAY (8). UNPAID HOLIDAY: PRESIDENTS' DAY.
- 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.
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.

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- 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.
- I. 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.
- 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.
- 7.
- 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.

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
- 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
8. 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.

**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.

<b>ITEM DESCRIPTION</b>	<b>YES</b>	<b>NO</b>
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		<b>X</b>
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		<b>X</b>
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.		<b>X</b>
4. Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes smaller than 60 inch diameter.		<b>X</b>
5. Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes larger than 60 inch diameter.		<b>X</b>
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.		<b>X</b>
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.		<b>X</b>

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

<b>ITEM DESCRIPTION</b>	<b>YES</b>	<b>NO</b>
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.		<b>X</b>
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).	<b>X</b>	
10. Major Structural Steel Fabrication - Fabrication of major steel items such as trusses, beams, girders, etc., for bridges.	<b>X</b>	
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.	<b>X</b>	
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).		<b>X</b>
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..	<b>X</b>	
14. Precast Manhole Types 1, 2, and 3 with cones, adjustment sections and flat top slabs. See Std. Plans.		<b>X</b>
15. Precast Drywell Types 1, 2, and with cones and adjustment Sections. See Std. Plans.		<b>X</b>
16. Precast Catch Basin - Catch Basin type 1, 1L, 1P, and 2 With adjustment sections. See Std. Plans.		<b>X</b>

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

<b>ITEM DESCRIPTION</b>	<b>YES</b>	<b>NO</b>
17. Precast Concrete Inlet - with adjustment sections, See Std. Plans		<b>X</b>
18. Precast Drop Inlet Type 1 and 2 with metal grate supports. See Std. Plans.		<b>X</b>
19. Precast Grate Inlet Type 2 with extension and top units. See Std. Plans		<b>X</b>
20. Metal frames, vaned grates, and hoods for Combination Inlets. See Std. Plans		<b>X</b>
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		<b>X</b>
22. Vault Risers - For use with Valve Vaults and Utilities Vaults.		<b>X</b>
23. Valve Vault - For use with underground utilities. See Contract Plans for details.		<b>X</b>
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.		<b>X</b>
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.	<b>X</b>	
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	<b>X</b>	

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

<b>ITEM DESCRIPTION</b>	<b>YES</b>	<b>NO</b>
27. Precast Railroad Crossings - Concrete Crossing Structure Slabs.	<b>X</b>	
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	<b>X</b>	
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	<b>X</b>	
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	<b>X</b>	
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.	<b>X</b>	
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	<b>X</b>	
33. Monument Case and Cover See Std. Plan.		<b>X</b>

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

<b>ITEM DESCRIPTION</b>	<b>YES</b>	<b>NO</b>
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.	<b>X</b>	
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.	<b>X</b>	
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.	<b>X</b>	
37. Steel Sign Post - Fabricated Steel Sign Posts as detailed in Std Plans. Shop drawings for approval are to be provided prior to fabrication		<b>X</b>
38. Light Standard-Prestressed - Spun, prestressed, hollow concrete poles.	<b>X</b>	
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.	<b>X</b>	
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	<b>X</b>	
41. Precast Concrete Sloped Mountable Curb (Single and DualFaced) See Std. Plans.		<b>X</b>

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

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:</b> *** Fabrication inspection required. Only signs tagged "Fabrication Approved" by WSDOT Sign Fabrication Inspector to be installed	<b>X</b>	<b>X</b>
	Custom Message	Std Signing Message
43. Cutting & bending reinforcing steel		<b>X</b>
44. Guardrail components	<b>X</b>	<b>X</b>
	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		<b>X</b>
48. Electrical wiring/components		<b>X</b>
49. treated or untreated timber pile		<b>X</b>
50. Girder pads (elastomeric bearing)	<b>X</b>	
51. Standard Dimension lumber		<b>X</b>
52. Irrigation components		<b>X</b>

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

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

State of Washington  
 Department of Labor and Industries  
 Prevailing Wage Section - Telephone (360) 902-  
 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, workers' wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements is provided on the Benefit Code Key.

**METAL FABRICATION (IN SHOP)  
 EFFECTIVE 03/03/2011**

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(See Benefit Code Key)

Classification Code	Prevailing Wage	Overtime Code	Holiday Code
Counties Covered:			
<b>ADAMS</b>			
FITTER	\$12.76	1	
LABORER	\$8.67	1	
MACHINE OPERATOR	\$12.66	1	
PAINTER	\$10.20	1	
Counties Covered:			
<b>ASOTIN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, KITTITAS          LINCOLN, OKANOGAN, PEND ORIELLE, STEVENS, WALLA WALLA AND WHITMAN</b>			
FITTER	\$12.76	1	
LABORER	\$8.67	1	
MACHINE OPERATOR	\$12.66	1	
PAINTER	\$10.20	1	
WELDER	\$12.76	1	
Counties Covered:			
<b>BENTON</b>			
MACHINE OPERATOR	\$10.53	1	
PAINTER	\$9.76	1	
WELDER	\$16.70	1	
Counties Covered:			
<b>CHELAN</b>			
FITTER	\$15.04	1	
LABORER	\$9.54	1	
MACHINE OPERATOR	\$9.71	1	
PAINTER	\$9.93	1	
WELDER	\$12.24	1	

**METAL FABRICATION (IN SHOP)  
EFFECTIVE 03/03/2011**

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(See Benefit Code Key)

Classification Code	Prevailing Wage	Overtime Code	Holiday Code
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Counties Covered:

**CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, LEWIS, MASON, PACIFIC  
SAN JUAN AND SKAGIT**

FITTER/WELDER	\$15.16	1	
LABORER	\$11.13	1	
MACHINE OPERATOR	\$10.66	1	
PAINTER	\$11.41	1	

Counties Covered:

**CLARK**

FITTER	\$30.19	1E	6H
LABORER	\$21.90	1E	6H
LAYEROUT	\$31.47	1E	6H
MACHINE OPERATOR	\$31.47	1E	6H
PAINTER	\$28.01	1E	6H
WELDER	\$29.59	1E	6H

Counties Covered:

**COWLITZ**

MACHINE OPERATOR	\$25.33	1B	2S
FITTER	\$25.33	1B	2S
WELDER	\$25.33	1B	2S

Counties Covered:

**GRANT**

FITTER/WELDER	\$10.79	1	
PAINTER	\$8.67	1	

Counties Covered:

**KING**

FITTER	\$15.86	1	
LABORER	\$9.78	1	
MACHINE OPERATOR	\$13.04	1	
PAINTER	\$11.10	1	
WELDER	\$15.48		

**METAL FABRICATION (IN SHOP)  
EFFECTIVE 03/03/2011**

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(See Benefit Code Key)

Classification Code	Prevailing Wage	Overtime Code	Holiday Code
Counties Covered: <b>KITSAP</b>			
FITTER	\$26.96	1	
LABORER	\$8.67	1	
MACHINE OPERATOR	\$13.83	1	
WELDER	\$13.83	1	
Counties Covered: <b>KLICKITAT, SKAMANIA, WAHKIAKUM</b>			
FITTER	\$16.99	1	
LABORER	\$10.44	1	
MACHINE OPERATOR	\$17.21	1	
PAINTER	\$17.03	1	
WELDER	\$16.99	1	
Counties Covered: <b>PIERCE</b>			
FITTER	\$15.25	1	
LABORER	\$10.32	1	
MACHINE OPERATOR	\$13.98	1	
WELDER	\$13.98	1	
Counties Covered: <b>SNOHOMISH</b>			
FITTER/WELDER	\$15.38	1	
LABORER	\$9.79	1	
MACHINE OPERATOR	\$8.84	1	
PAINTER	\$9.98	1	
Counties Covered: <b>SPOKANE</b>			
FITTER	\$12.59	1	
LABORER	\$8.67	1	
MACHINE OPERATOR	\$13.26	1	
PAINTER	\$10.27	1	
WELDER	\$10.80	1	

**METAL FABRICATION (IN SHOP)  
EFFECTIVE 03/03/2011**

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(See Benefit Code Key)

Classification Code	Prevailing Wage	Overtime Code	Holiday Code
Counties Covered: <b>THURSTON</b>			
FITTER	\$27.10	2U	6T
LABORER	\$16.91	2U	6T
LAYEROUT	\$30.63	2U	6T
MACHINE OPERATOR	\$20.86	2U	6T
WELDER	\$24.74	2U	6T
Counties Covered: <b>WHATCOM</b>			
FITTER/WELDER	\$13.81	1	
LABORER	\$9.00	1	
MACHINE OPERATOR	\$13.81	1	
Counties Covered: <b>YAKIMA</b>			
FITTER	\$12.00	1	
LABORER	\$10.31	1	
MACHINE OPERATOR	\$11.32	1	
PAINTER	\$12.00	1	
WELDER	\$11.32	1	

**FABRICATED PRECAST CONCRETE PRODUCTS  
EFFECTIVE 03/03/2011**

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(See Benefit Code Key)

Classification Code	Prevailing Wage	Overtime Code	Holiday Code
Counties Covered: <b>ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS, FERRY, GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND OREILLE, STEVENS, WALLA WALLA AND WHITMAN</b>			
JOURNEY LEVEL	\$9.96	1	
Counties Covered: <b>CHELAN, KITTITAS, KLUCKITAT AND SKAMANIA</b>			
JOURNEY LEVEL	8.67	1	
Counties Covered: <b>CLALLAM, CLARK, COWLITZ, GRAYS HARBOR, ISLAND, JEFFERSON, KITSAP, LEWIS, MASON, PACIFIC, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WAHKIAKUM</b>			
JOURNEY LEVEL	\$13.50	1	
Counties Covered: <b>FRANKLIN</b>			
JOURNEY LEVEL	\$11.50	1	
Counties Covered: <b>KING</b>			
JOURNEY LEVEL	\$13.60	2K	5B
Counties Covered: <b>PIERCE</b>			
JOURNEY LEVEL	\$9.28	1	
Counties Covered: <b>SPOKANE</b>			
JOURNEY LEVEL	\$20.23	1	
Counties Covered: <b>WHATCOM</b>			
JOURNEY LEVEL	\$13.67	1	
Counties Covered: <b>YAKIMA</b>			
CRAFTSMAN	\$8.72	1	
JOURNEY LEVEL	\$8.67	1	

## **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.]

6/13/2011

**Dry Coulee Road, CRP 10-02**

**Test Hole Report between Sta. 126+75 to Sta. 148+20**

Report by: Jeff Tincher, P.E.

Grant County Public Works investigate these locations to determine if bed rock would be encountered for the removal of four (4) high spots located between Sta. 126+75 to Sta. 148+20 to improve the vertical alignment. The test holes were dug on June 9, 2011 with a John Deere 160C Excavator with a 30" bucket. The planned excavation depth would be approximately one (1) foot below sub-grade or until bed rock was encountered. The test hole locations are shown on the Dry Coulee Road Reconstruction Plan Sheets #11 & #12. All test holes were dug with ease and no bed rock was encountered. Below is a summary at each location:

Test Hole #1 – Sta. 126+75 Left

Sampled at the face of the existing rocks.

Depth – 0 to 3' – Silt

Test Hole #2 – Sta. 128+50 Right

Sampled at the edge of existing gravel.

Depth – 0 to 4' – Silt & Gravel

Test Hole #3 – Sta. 128+70 Left

Sampled 4' left from the existing edge of gravel.

Depth – 0 to 5' – Silt & Gravel

Test Hole #4 – Sta. 135+80 Left

Sampled 4' left from the existing edge of gravel.

Depth – 0 to 5' – Silt & Gravel

Test Hole #5 – Sta. 135+80 Right

Sampled at the edge of existing gravel.

Depth – 0 to 4.5' – Silt & Gravel

Test Hole #6 – Sta. 142+00 Left

Sampled 4' left from the existing edge of gravel.

Depth – 0 to 6.5' – Silt & Gravel

Sample #1 taken at 5', see attached gradation

Test Hole #7 – Sta. 147+60 Right

Sampled 3' left of the existing fence.

Depth – 0 to 5' – Silt & Gravel

Test Hole #8 – Sta. 148+20 Left

Sampled 4' left from the existing edge of gravel.

Depth – 0 to 6.5' – Silt & Gravel

# GRANT COUNTY SIEVE ANALYSIS

Dry Coulee Road  
Test Hole #6 Sta. 142400 Lt.

Contract # CRP 10-02	Quantity:	Pit Name and #:	Contractor:
Sample #: 1	Date: 6/9/2011	Time: 9:00 a.m.	Sample Wt. (min. 20 Lbs.)(crusher, stockpile, other.):
Sample Wt. 6792.5	% Moisture of Sample:		<b>COMMENTS</b>  4" - 0 wt Retained 100% PASSED

size	Wt. Retained	% Passed	% Specifications	Tolerance
2 1/2	1711.2	25 %	75 %	
1 1/2	2058.4	30 %	70 %	
1	2857.5	42 %	58 %	
5/8	3662.4	54 %	46 %	
1/2	4027.1	59 %	41 %	
3/8	4366.5	64 %	36 %	
1/4		%	%	
Pan		4	26 %	
Total		8	18 %	

size	Retained	Passing
4	5013.9	74 %
8	5599.4	82 %
16	6128.4	90 %
30		%
40	6423.0	95 %
50	6469.1	95 %
80		%
100	6531.8	96 %
200	6575.0	96.8 %

**Construction Manual Tests**

T-61  
Fracture formula  

$$P = \left[ \frac{F + (Q/2)}{F + Q + N} \right] (100)$$

T-176  

$$SE = \frac{\text{Sand (100)}}{\text{Clay}}$$

T-255  

$$\% \text{ Moisture} = \frac{\text{wet} - \text{dry}}{\text{dry}}$$

T-27/11  

$$\text{correction} = \frac{\text{pan \#4} - \text{split \#4} - \dots}{\dots}$$

Tare	Wet wt.	Dry wt.	Total	Washed Wt. Pan Check
	6792.5		6610.0	

Split the (#4-) above a min. of 500g. Per T 27/11 (watch overloaded fine screens) 470 g max under #4.

	split wt.	correction	#4 weight	corrected wt. Log in above.
#40		X		=
#200		X		=
Pan		X		=

**SHOW WORK BELOW! USE BACK OF TEST SHEET FOR ADDITIONAL CALCULATIONS:**

Fracture:(700g Min) Percent Moisture:

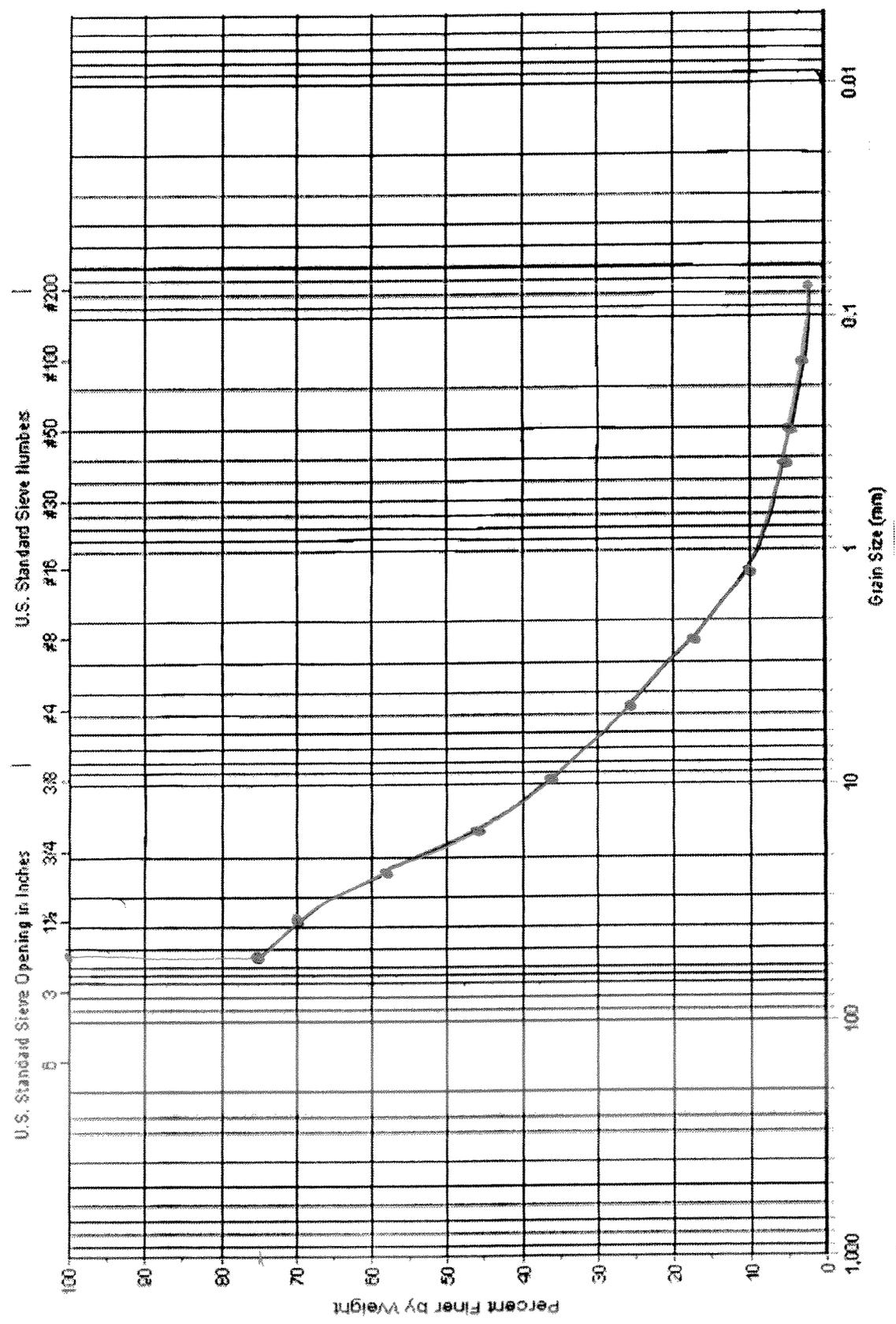
$$P = \left[ \frac{\text{Fracture} + (\text{Fracture}/2)}{\text{Fracture} + \text{Sand} + \text{Clay}} \right] (100) = \text{Percent Moisture} = \frac{\text{wet} - \text{dry}}{\text{dry}} = \dots$$

approximately 1000g Sand Equivalent: Average 2 tests Correction for bringing reduced sample back to proper weight:

$$SE = \frac{\text{Sand}}{\text{Clay}} (100) = \text{correction} = \dots$$

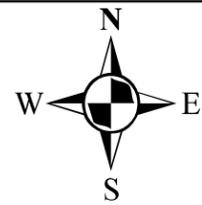
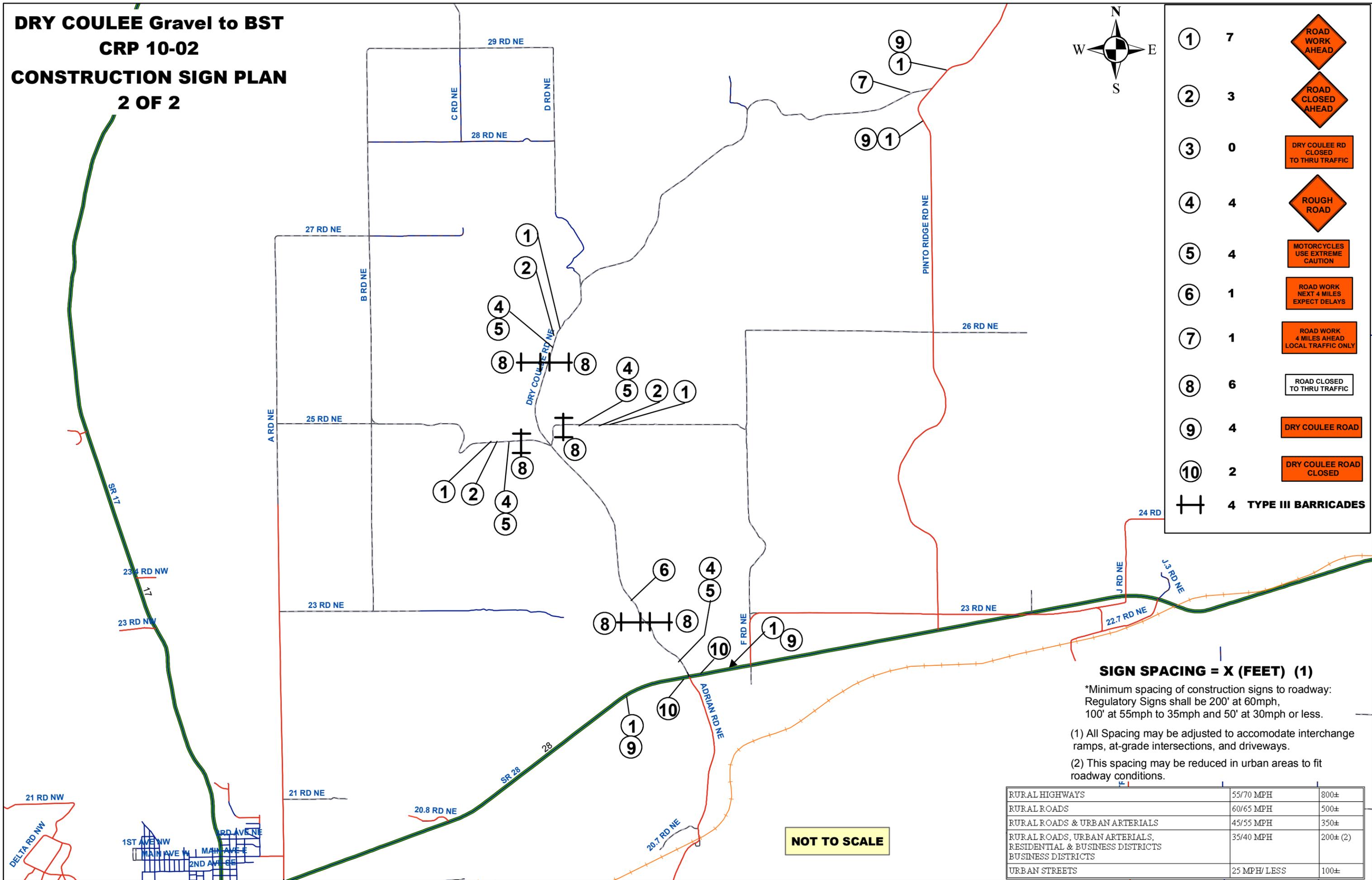
Inspector's Signature <i>Dave C. Dering</i>	Date: 6-14-11	Contractor's Signature	Date:
--	------------------	------------------------	-------

Dry Cowlee Road - Test Hole #6 Sta. 142+00 Lt.





**DRY COULEE Gravel to BST  
CRP 10-02  
CONSTRUCTION SIGN PLAN  
2 OF 2**



①	7	
②	3	
③	0	
④	4	
⑤	4	
⑥	1	
⑦	1	
⑧	6	
⑨	4	
⑩	2	
	4	<b>TYPE III BARRICADES</b>

**SIGN SPACING = X (FEET) (1)**

\*Minimum spacing of construction signs to roadway:  
Regulatory Signs shall be 200' at 60mph,  
100' at 55mph to 35mph and 50' at 30mph or less.

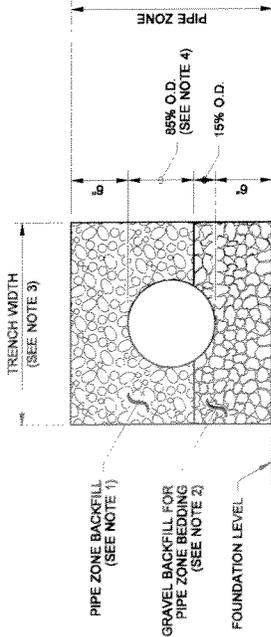
- (1) All Spacing may be adjusted to accommodate interchange ramps, at-grade intersections, and driveways.
- (2) This spacing may be reduced in urban areas to fit roadway conditions.

RURAL HIGHWAYS	55/70 MPH	800±
RURAL ROADS	60/65 MPH	500±
RURAL ROADS & URBAN ARTERIALS	45/55 MPH	350±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	35/40 MPH	200± (2)
BUSINESS DISTRICTS		
URBAN STREETS	25 MPH/ LESS	100±

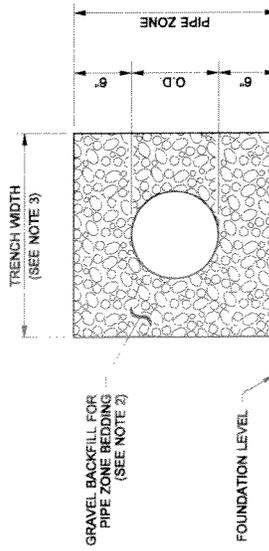
**NOT TO SCALE**

**NOTES**

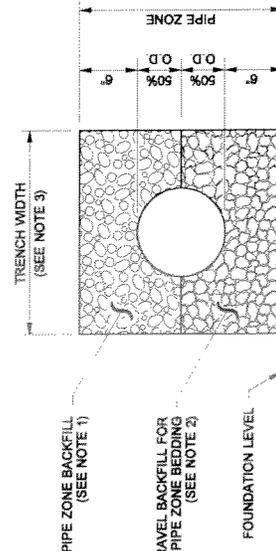
1. See Standard Specifications Section 7-08.3(3) for Pipe Zone Backfill.
2. See Standard Specifications Section 9-03.12(3) for Gravel Backfill for Pipe Zone Bedding.
3. See Standard Specifications Section 2-09.4 for Measurement of Trench Width.
4. For sanitary sewer installation, concrete pipe shall be bedded to spring line.



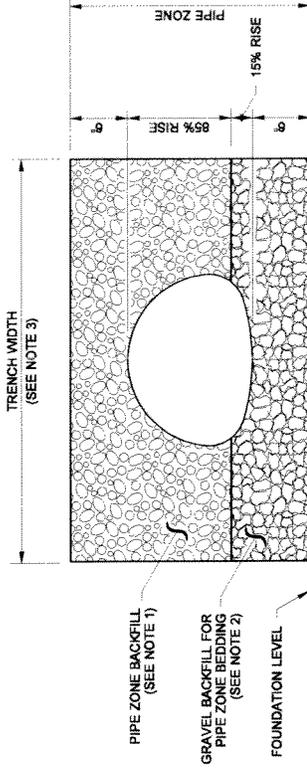
**CONCRETE AND DUCTILE IRON PIPE**



**THERMOPLASTIC PIPE**



**METAL PIPE**



**PIPE ARCHES**

CLEARANCE BETWEEN PIPES FOR MULTIPLE INSTALLATIONS		MINIMUM DISTANCE BETWEEN BARRELS
PIPE	SIZE	
CIRCULAR PIPE (DIAMETER)	12" to 24"	12"
	30" to 96"	DIAM. / 2
	102" to 180"	48"
PIPE ARCH (SPAN)	18" to 36"	12"
	43" to 142"	SPAN / 3
METAL ONLY	148" to 200"	48"



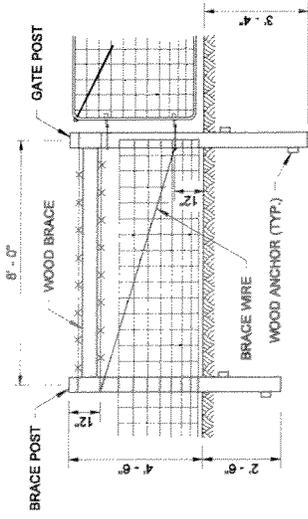
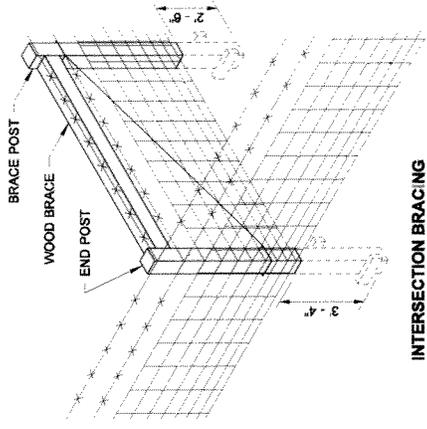
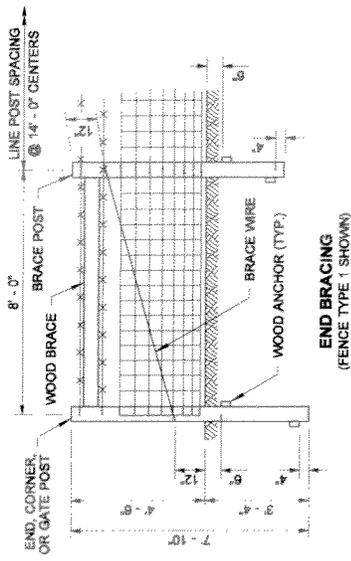
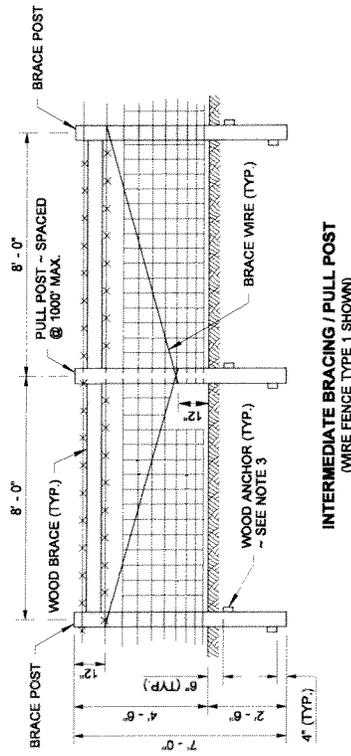
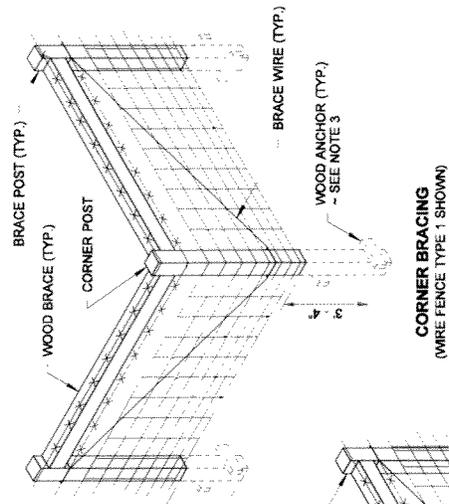
EXPIRES: JULY 1, 2007

**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  
 Washington State Department of Transportation

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT. IT IS AN ELECTRONIC DUPLICATE OF THE ORIGINAL, DRAWN BY THE ENGINEER AND CHECKED FOR ACCURACY BY THE ENGINEER. A COPY MAY BE OBTAINED FROM PROJECT INFORMATION AND MANAGEMENT SYSTEMS DIVISION OF TRANSPORTATION.





DRAWN BY: USA CFYORD

INTERMEDIATE BRACING / PULL POST  
(WIRE FENCE TYPE 1 SHOWN)

WOOD POSTS AND BRACES

GATE BRACING  
(WIRE FENCE TYPE 1 SHOWN)

INTERSECTION BRACING  
(WIRE FENCE TYPE 1 SHOWN)

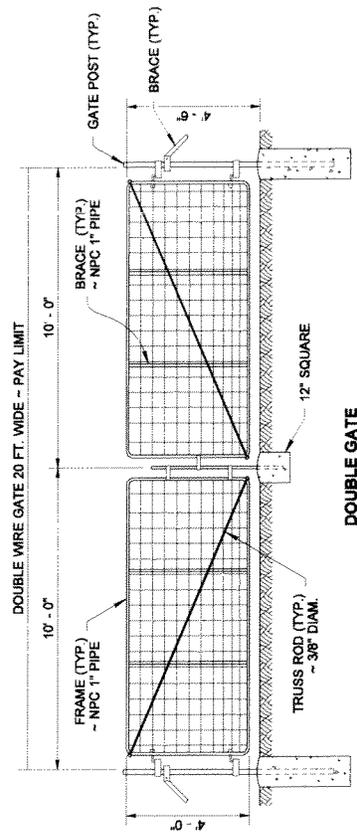


EXPIRES: AUGUST 26, 2007

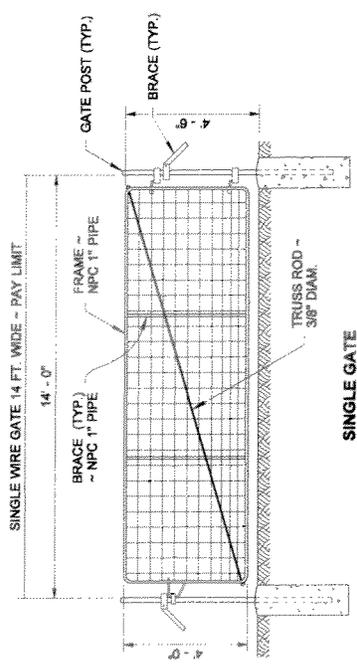
**WIRE FENCE TYPES 1 & 2  
AND WIRE GATES  
STANDARD PLAN L-10.10-10**

SHEET 2 OF 2 SHEETS

APPROVED FOR PUBLICATION  
**Ken L. Smith**  
 STATE DESIGN ENGINEER  
 DATE: 02-21-07  
 Washington State Department of Transportation



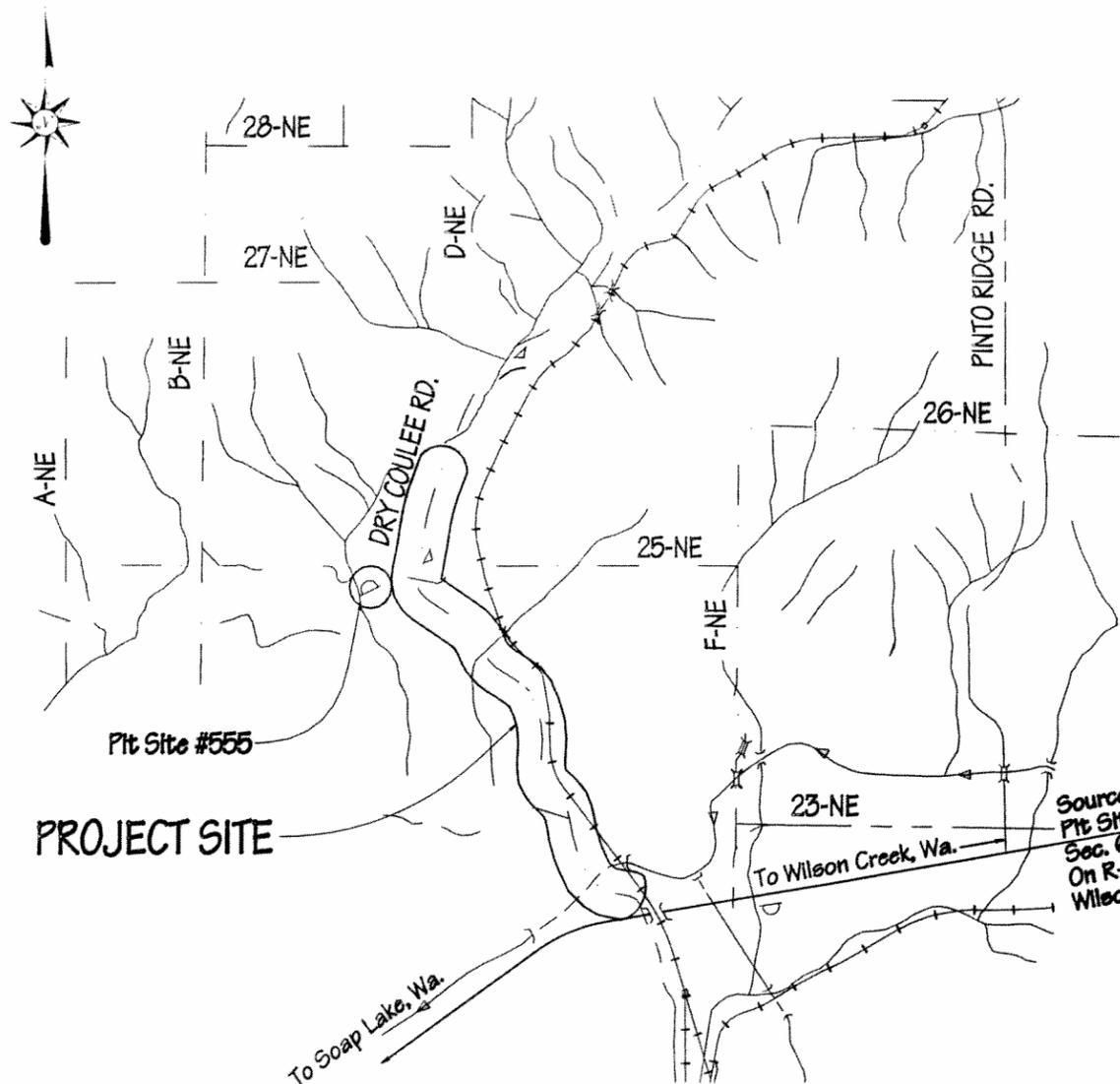
DOUBLE GATE  
(STEEL POSTS SHOWN)



SINGLE GATE  
(STEEL POSTS SHOWN)

GATES

# DRY COULEE ROAD RECONSTRUCTION



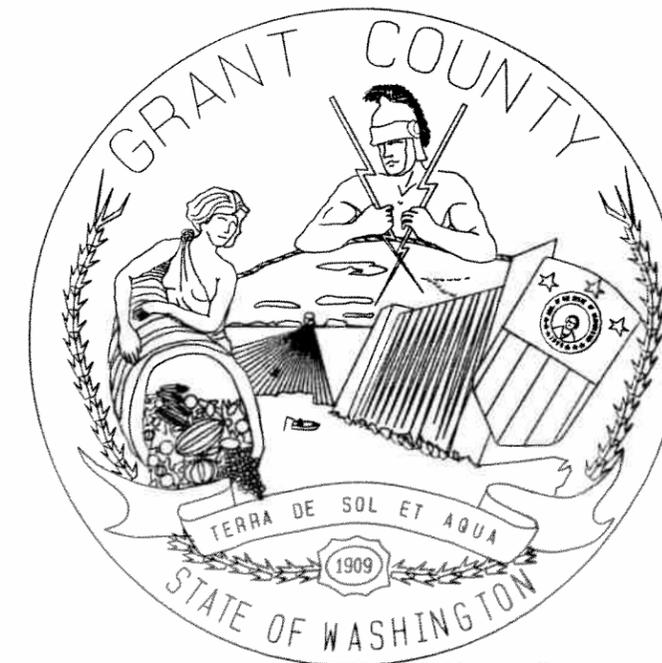
SHEET	DESCRIPTION
1	INDEX & VICINITY MAP
2	SUMMARY OF QUANTITIES
3	STRUCTURE NOTES
4 - 17	STA 12+50 TO STA 219+00
18	USBR NO.5A PIPE EXTENSION X-SECTION
19	TYPICAL X-SECTIONS

## LEGEND

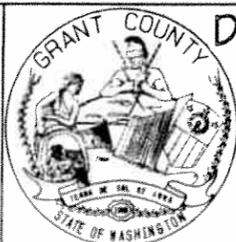
- POWER POLE
- TELEPHONE PED.
- FENCE LINE
- CULVERT
- CONTROL POINT
- SYPHON
- MAILBOX

Grant County  
Board Of Commissioners

Richard Stevens, District No. 1  
Carolann Swartz, District No. 2 (Chair)  
Cindy Carter, District No. 3



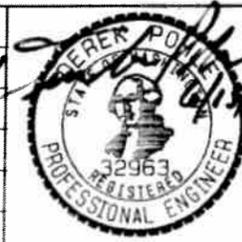
GRANT COUNTY PUBLIC WORKS DEPARTMENT  
124 ENTERPRISE ST. SE  
EPHRATA, WASHINGTON 98823  
(509) 754-6082 FAX (509) 754-6087



DRY COULEE ROAD RECONSTRUCTION

CRP 10-02

DESIGNED BY: BOB BERSANTI  
DRAWN BY: BOB BERSANTI  
CHECKED BY: DEREK POHLE  
REVISION NO.: 2  
DATE REVISED: JUNE 14, 2011  
FEDERAL AID NO.:



SHEET 1

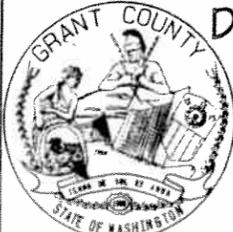
OF 19

# SUMMARY OF QUANTITIES

ITEM NO.	TOTAL QUANTITY	UNIT	ITEM DESCRIPTION	GROUP #1	GROUP #2			
				STA. 12+50 TO STA. 168+00	STA. 168+00 TO STA. 219+00			
<b>PREPARATION</b>								
1	100%	L.S.	Mobilization	100%				
2	100%	L.S.	Notification	100%				
3	100%	L.S.	Clearing and Grubbing	75%	25%			
<b>GRADING</b>								
4	18,679	C.Y.	Roadway Excavation Including Haul	15,172	3,507			
5	16,520	C.Y.	Embankment Compaction	7,649	8,871			
6	4,000	C.Y.	Borrow Excavation Including Haul From Pit Site #555		4,000			
7	100%	EST.	Force Account - Rock Excavation	100%				
<b>DRAINAGE</b>								
8	100	L.F.	Plain Steel Culvert Pipe 0.064 In. Thick- 12In. Diameter	70	30			
9	50	L.F.	Plain Steel Culvert Pipe 0.064 In. Thick- 18In. Diameter	50				
10	55	L.F.	Plain Steel Culvert Pipe 0.064 In. Thick- 24In. Diameter	55				
11	26	L.F.	Extend Existing Concrete Pipe - 24In. Diameter	26				
12	45	L.F.	Extend Existing Plain Steel Culvert Pipe 0.064 In. Thick- 36In. Diameter	45				
<b>SURFACING</b>								
13	15,700	TONS	Crushed Surfacing Base Course From Stockpile #587	11,800	3,900			
14	10,500	TONS	Maintenance Rock From Stockpile #587	7,900	2,600			
<b>OTHER ITEMS</b>								
15	41	C.Y.	Structure Excavation Class B Incl. Haul	41				
16	35	C.Y.	Gravel Backfill for Pipe Zone Bedding	35				
17	100%	L.S.	Trimming and Cleanup	75%	25%			
18	8	ACRES	Seeding, Fertilizing, and Mulching With Arid Area Mix A or B	6	2			
19	3,115	L.F.	Wire Fence Type 2	2,665	450			
20	\$2.00	Dol.	Minor Changes	\$1.00	\$1.00			

NOTE: For Special Features See Special Provisions.

**GRANT COUNTY PUBLIC WORKS DEPARTMENT**  
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## DRY COULEE ROAD RECONSTRUCTION

CRP 10-02

DESIGNED BY: BOB BERSANTI  
 DRAWN BY: BOB BERSANTI  
 CHECKED BY: DEREK POHLE  
 REVISION NO.: 2  
 DATE REVISED: JUNE 14, 2011  
 FEDERAL AID NO.:



SHEET 2  
 OF 19

# 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	MISC.	L.F.	L.F.	L.F.	L.F.	L.F.	C.Y.	C.Y.	C.Y.	C.Y.	TONS	TONS	L.F.	REMARKS
5-1	STA. 28+00 TO 28+20	R	F										4			6
5-2	STA. 28+40 TO 28+60	L	F										4			6
5-3	STA. 31+20	R/L	CROSS		50				20	10						1,23,8
5-4	STA. 39+90 TO 40+20	L	F	40									4			6
5-5	STA. 40+70 TO 40+90	R	F	30									4			6
6-1	STA. 46+00 TO 56+25	L	FENCE												1,000	
6-2	STA. 46+20 TO 46+40	R	F										4			6
6-3	STA. 53+95 TO 54+70.69	R/L	CROSS				26									7,8
6-4	STA. 54+10 TO 54+30	L	F										4			6
6-5	STA. 54+40 TO 54+60	R	F										4			6
7-1	STA. 57+30	R/L	CROSS					45		13						1,2,9
7-2	STA. 58+00 TO 58+20	L	F										4			6
7-3	STA. 61+30 TO 62+20	L	FENCE												90	
7-4	STA. 67+25 TO 69+25	L	FENCE												200	
7-5	STA. 72+75 TO 75+25	L	FENCE												250	
8-1	STA. 73+90 TO 74+10	L	F								150		4			6
8-2	STA. 82+40 TO 82+60	R	F										4			6
8-3	STA. 83+50 TO 83+70	L	F										4			6
9-1	STA. 89+70 TO 89+90	R	F										4			6
9-2	STA. 96+60 TO 96+80	R	F										4			6
10-1	STA. 108+75 TO 110+00	L	FENCE												125	
10-2	STA. 109+00 TO 109+20	R	F										4			6
11-1	STA. 134+50 TO 139+25	L	FENCE												475	
12-1	STA. 138+70	R/L	CROSS			55			21	12						1,2,3
12-2	STA. 141+50 TO 142+75	R	FENCE												125	
12-3	STA. 144+00 TO 146+00	L	FENCE												200	
12-4	STA. 147+00 TO 149+00	R	FENCE												200	
13-1	STA. 167+00 TO 167+26	R	ROAD										65	95		6
13-2	STA. 167+00 TO 167+26	L	ROAD										65	95		6
14-1	STA. 181+75 TO 186+50	L	FENCE												450	
15-1	STA. 187+25 TO 187+45	R	F	30									4			6

## GENERAL NOTES

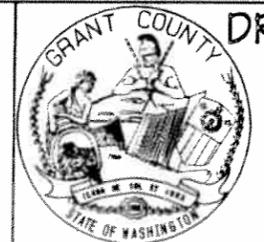
Miscellaneous  
 BD = Bottom of Ditch  
 CP = Catch point  
 CROSS = Crossing Pipe  
 R = Residential  
 F = Farm  
 PLAN = Elevation on Plans  
 MON = Monument  
 O&M = O&M Road  
 C = Commercial

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. Extend existing pipe 6' on the right side and 20' on the left side.
8. All cost for daming and/or pumping water to replace pipe shall be included in the bid item.
9. Extend existing pipe 15' on the right side and 30' on the left side.

NOTE: For Special Features See Special Provisions.

Page Total 100 50 55 26 45 41 35 150 0 190 190 3,115

GRANT COUNTY PUBLIC WORKS DEPARTMENT  
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 (509) 754-6082 FAX (509) 754-6087



### DRY COULEE ROAD RECONSTRUCTION

DESIGNED BY: BOB BERSANTI  
 DRAWN BY: BOB BERSANTI  
 CHECKED BY: DEREK POHLE  
 REVISION NO.: 2  
 DATE REVISED: JUNE 14, 2011  
 FEDERAL AID NO.:



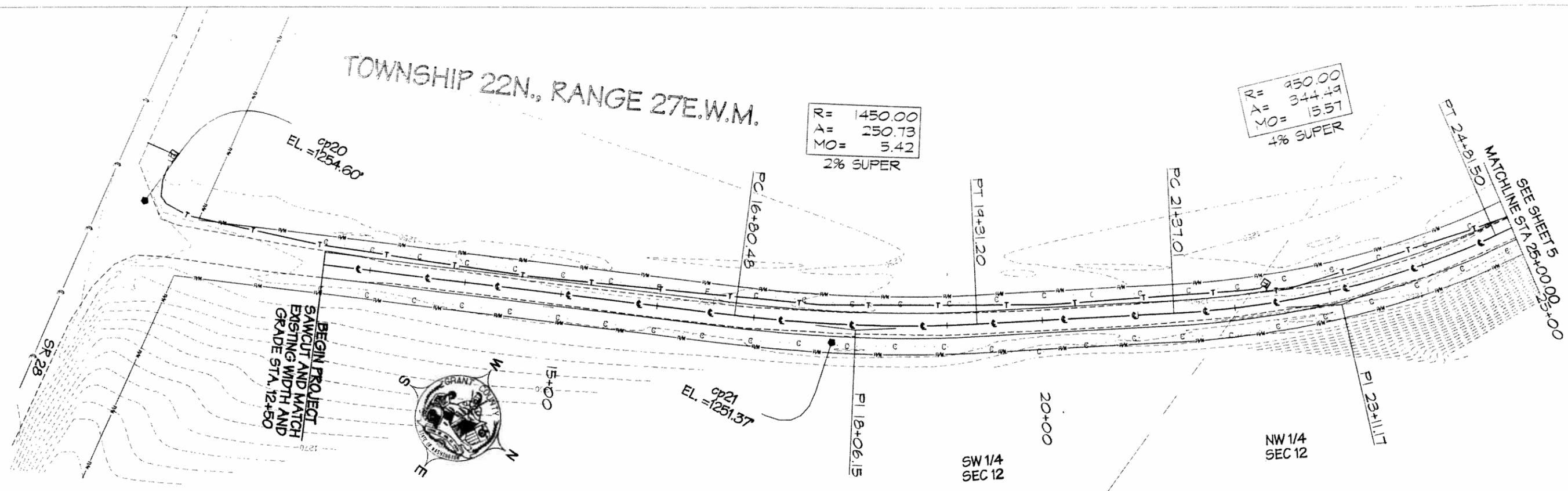
SHEET 3  
 OF 19

CRP 10-02

TOWNSHIP 22N., RANGE 27E.W.M.

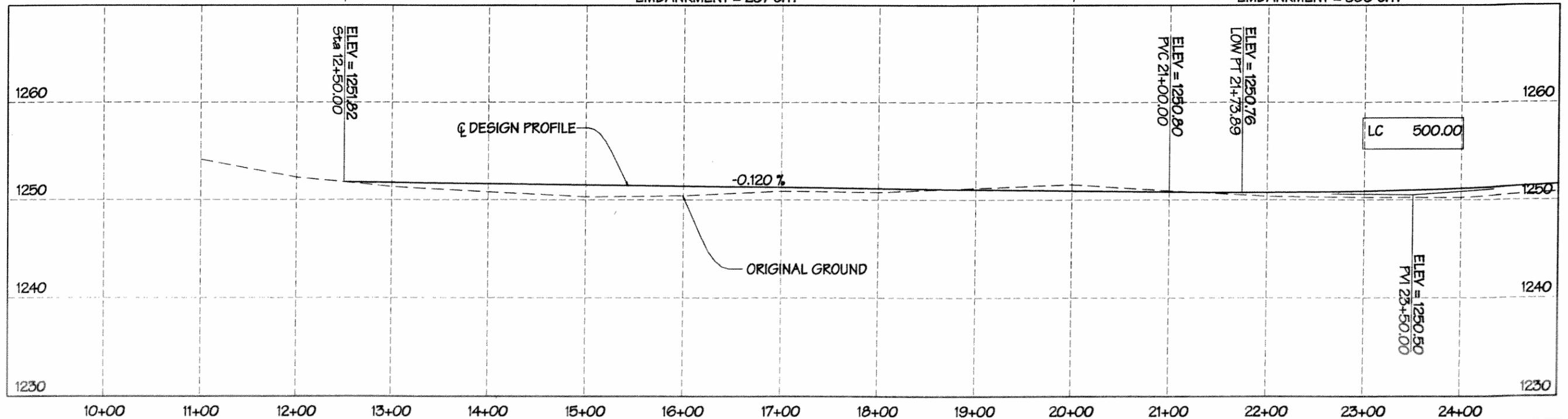
R= 1450.00  
A= 250.73  
MO= 5.42  
2% SUPER

R= 930.00  
A= 344.49  
MO= 13.57  
4% SUPER



ROADWAY EXCAVATION = 604 C.Y.  
EMBANKMENT = 237 C.Y.

ROADWAY EXCAVATION = 733 C.Y.  
EMBANKMENT = 380 C.Y.



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DRY COULEE ROAD RECONSTRUCTION



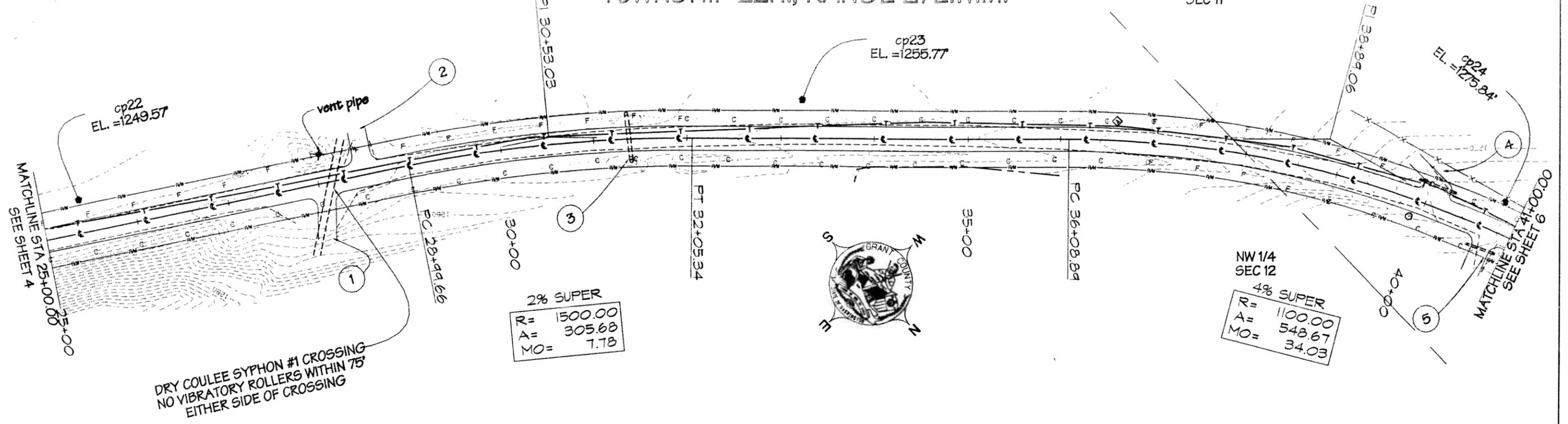
CRP 10-02

DESIGNED BY: BOB BERSANTI  
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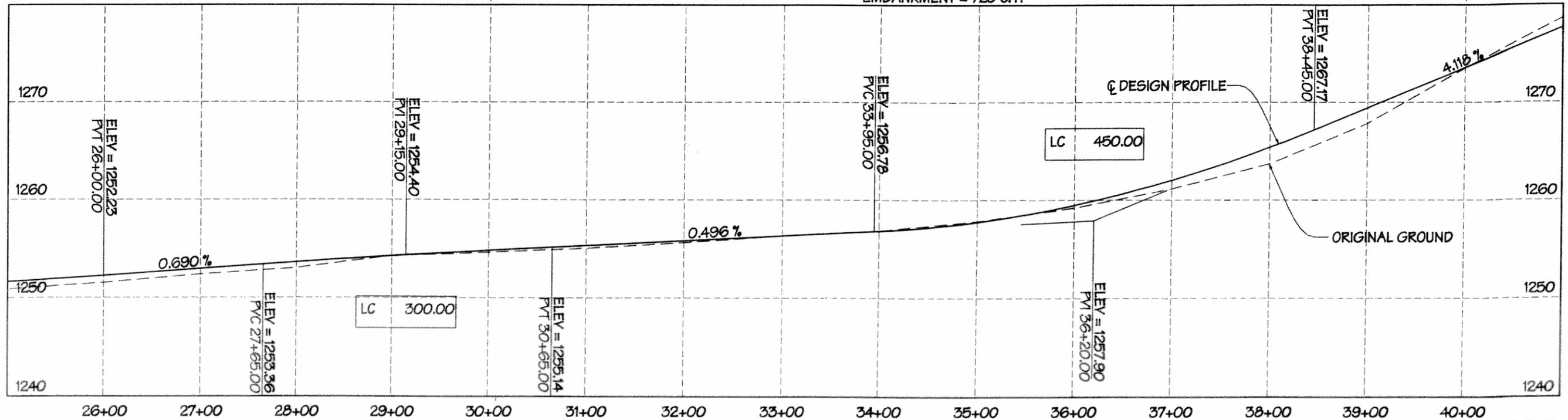


SHEET 4

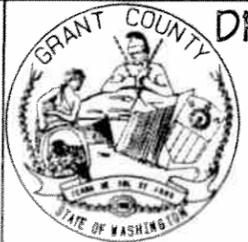
OF 19



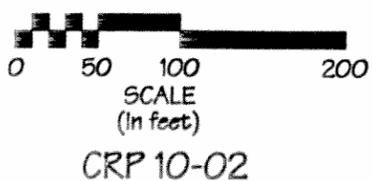
ROADWAY EXCAVATION = 610 C.Y.  
EMBANKMENT = 728 C.Y.



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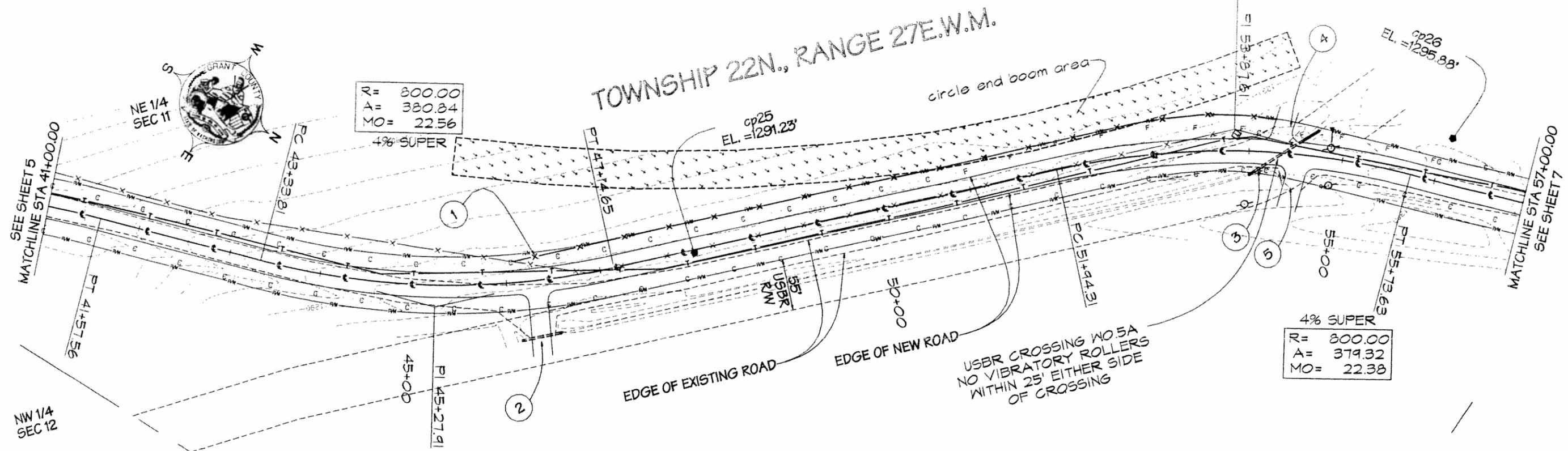
DRY COULEE ROAD RECONSTRUCTION



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DRAWN BY:	BOB BERSANTI
CHECKED BY:	DEREK POHLE
REVISION NO.:	2
DATE REVISED:	JUNE 14, 2011
FEDERAL AID NO.:	

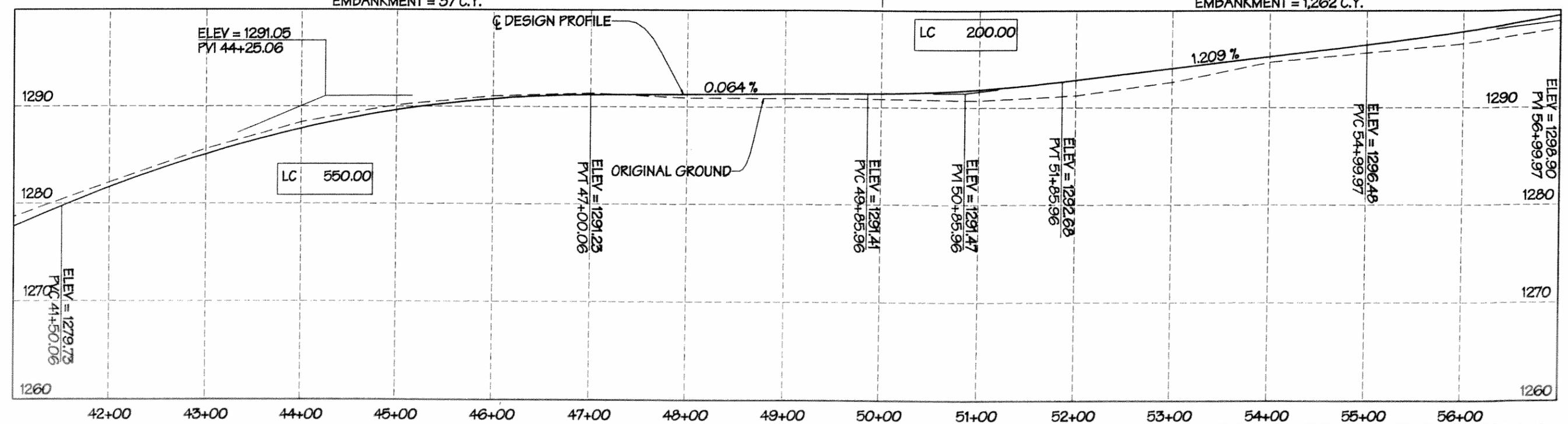


SHEET 5  
OF 19



ROADWAY EXCAVATION = 1,930 C.Y.  
EMBANKMENT = 37 C.Y.

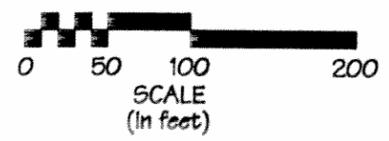
ROADWAY EXCAVATION = 548 C.Y.  
EMBANKMENT = 1,262 C.Y.



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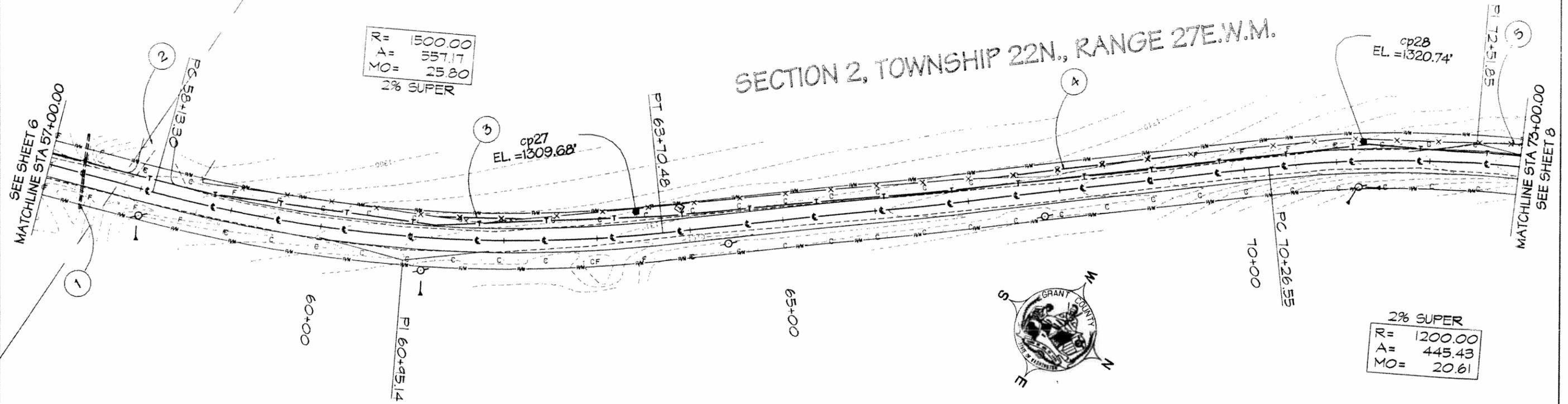
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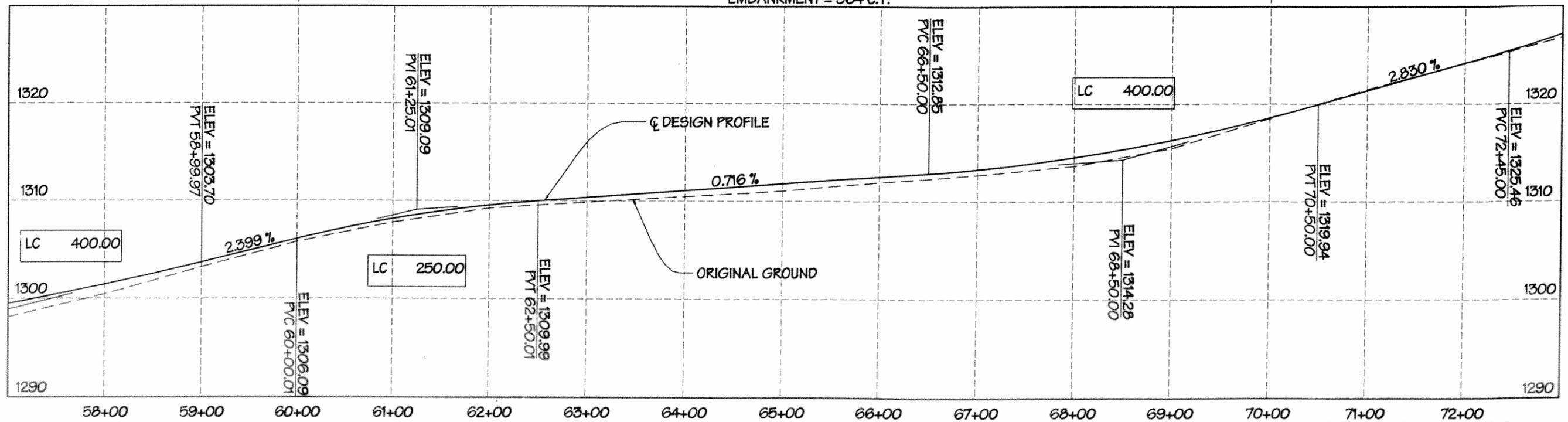


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SECTION 2, TOWNSHIP 22N., RANGE 27E.W.M.



ROADWAY EXCAVATION = 498 C.Y.  
EMBANKMENT = 364 C.Y.



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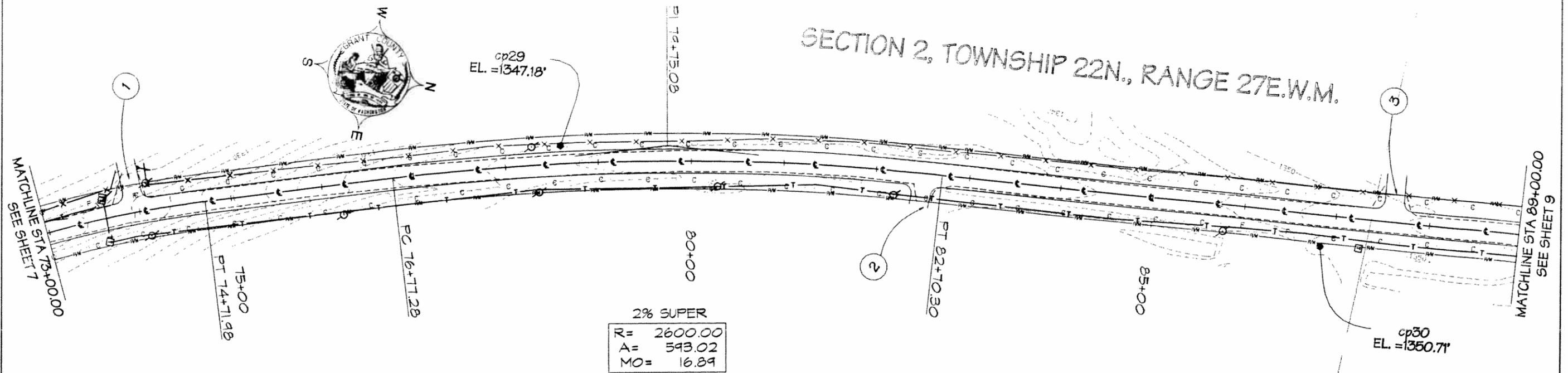
DESIGNED BY: BOB BERSANTI  
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SHEET 7

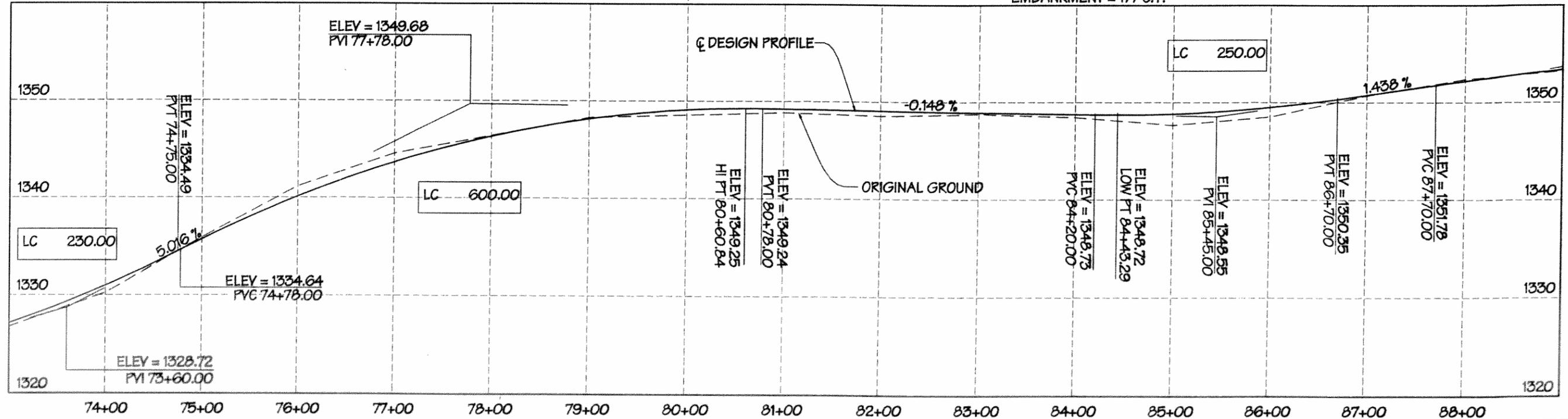
OF 19

# SECTION 2, TOWNSHIP 22N., RANGE 27E.W.M.



ROADWAY EXCAVATION = 1,369 C.Y.  
EMBANKMENT = 218 C.Y.

ROADWAY EXCAVATION = 726 C.Y.  
EMBANKMENT = 177 C.Y.



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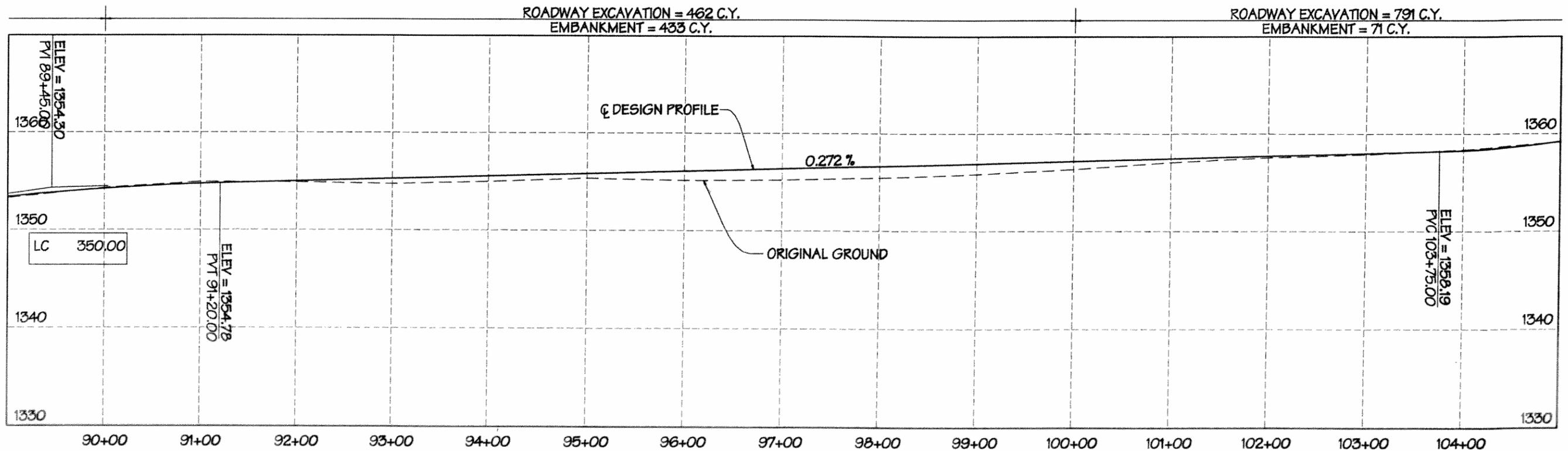
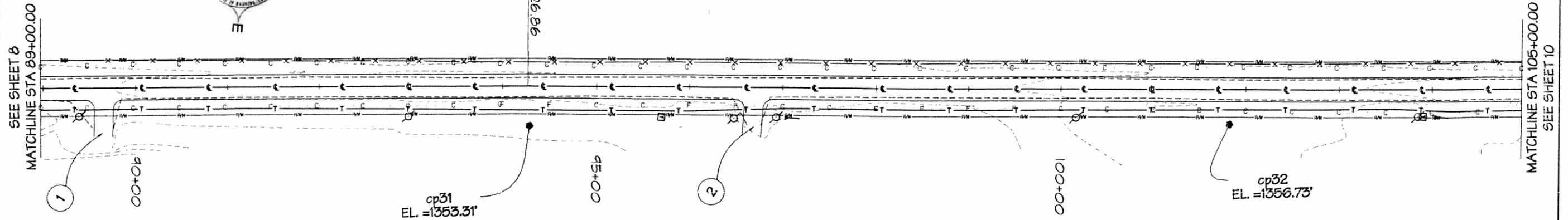
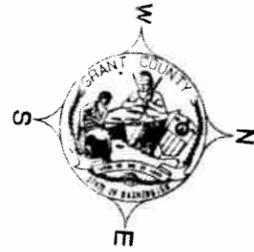
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OF 19

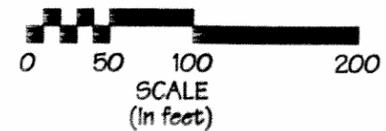
SECTION 2, TOWNSHIP 22N., RANGE 27E.W.M.



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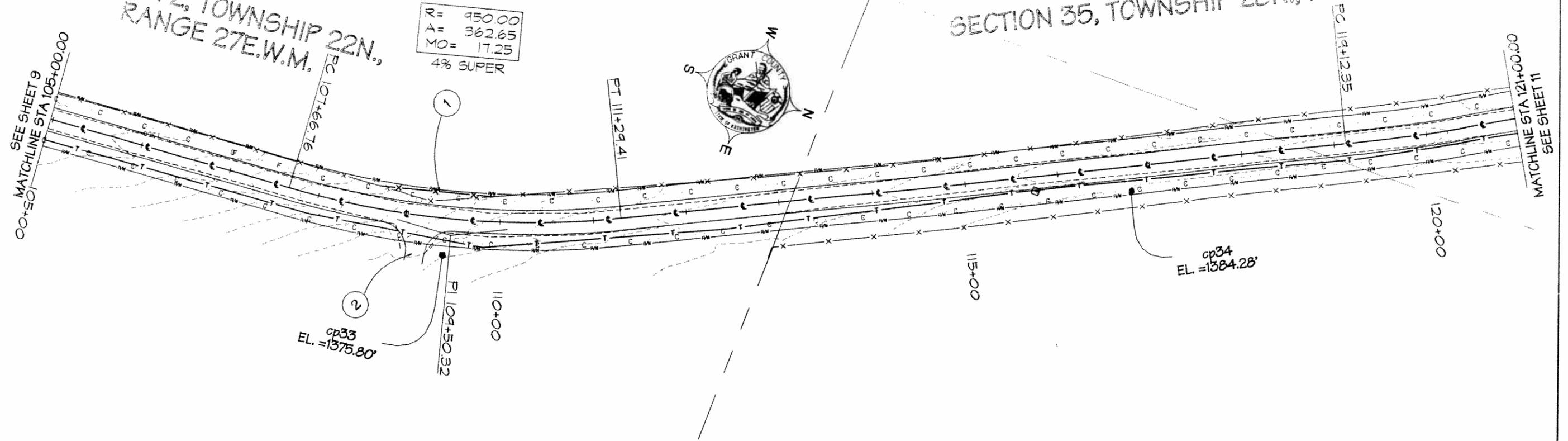
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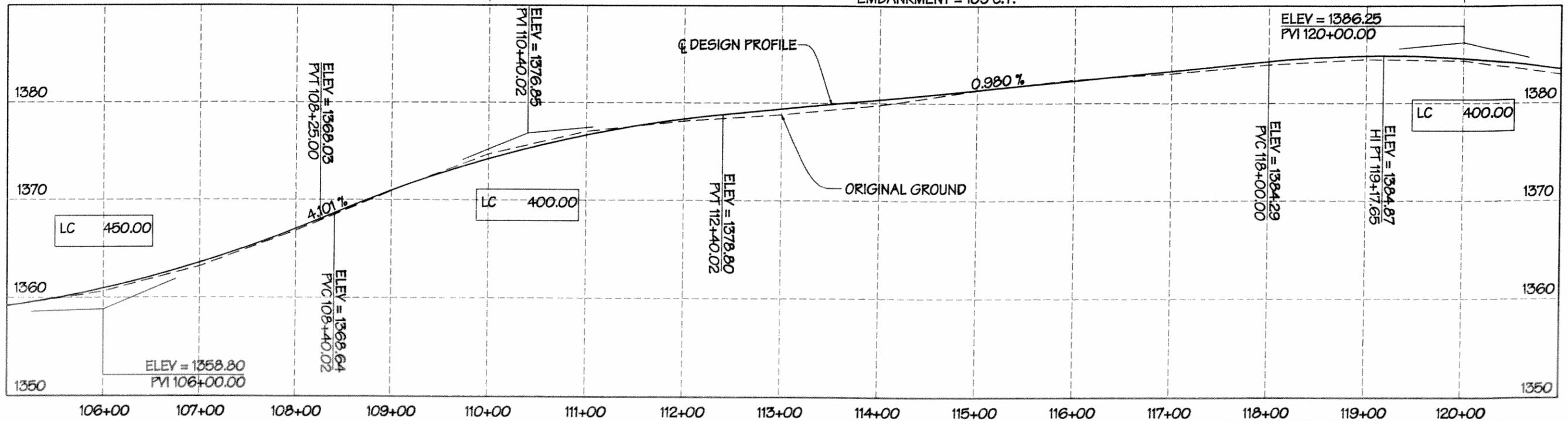
SHEET 9  
OF 19

SECTION 2, TOWNSHIP 22N.,  
RANGE 27E.W.M.

SECTION 35, TOWNSHIP 23N., RANGE 27E.W.M.



ROADWAY EXCAVATION = 960 C.Y.  
EMBANKMENT = 109 C.Y.



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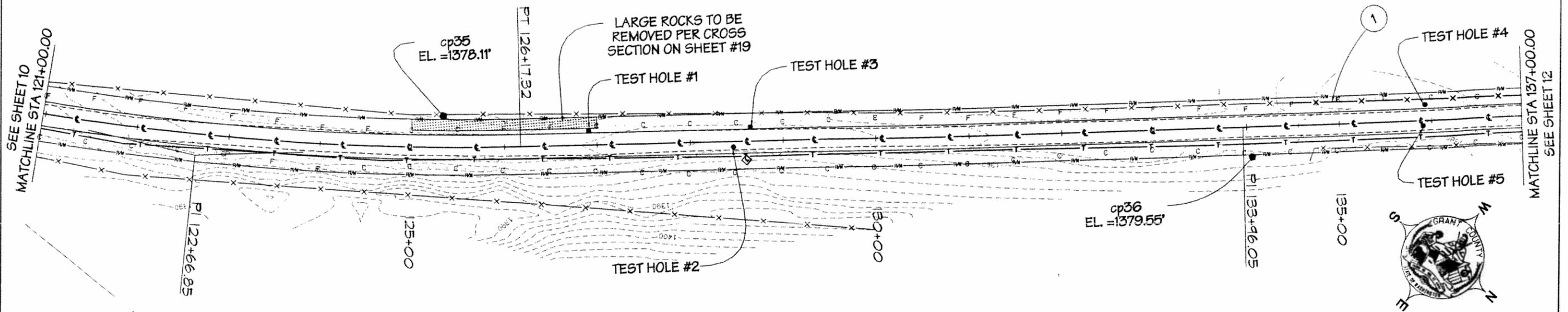
DESIGNED BY: BOB BERSANTI  
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DATE REVISED: JUNE 14, 2011  
FEDERAL AID NO.:



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OF 19

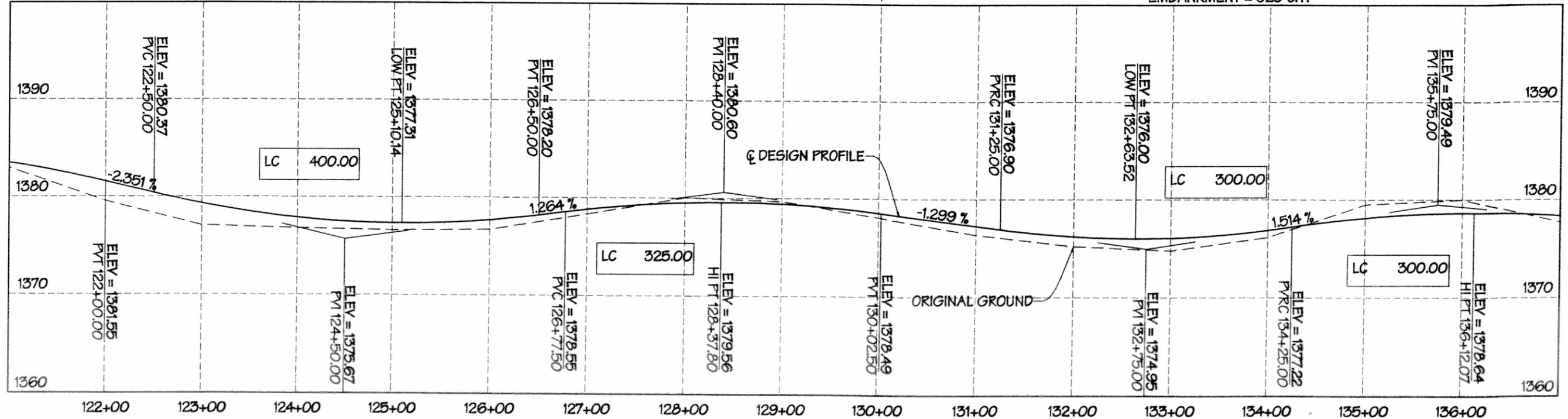
R= 2700.00  
 A= 704.97  
 MO= 22.98  
 2% SUPER

# SECTION 35, TOWNSHIP 23N., RANGE 27E.W.M.

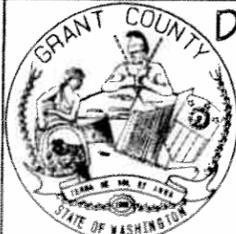


ROADWAY EXCAVATION = 882 C.Y.  
 EMBANKMENT = 780 C.Y.

ROADWAY EXCAVATION = 1,003 C.Y.  
 EMBANKMENT = 920 C.Y.



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## DRY COULEE ROAD RECONSTRUCTION



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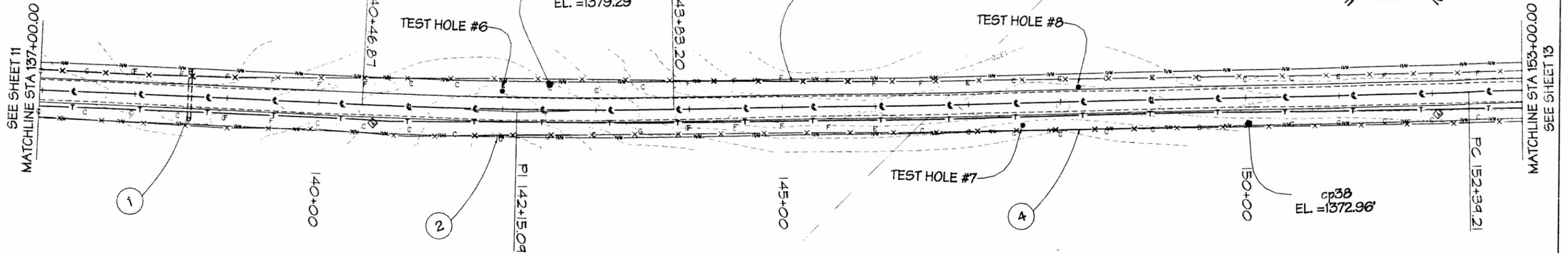
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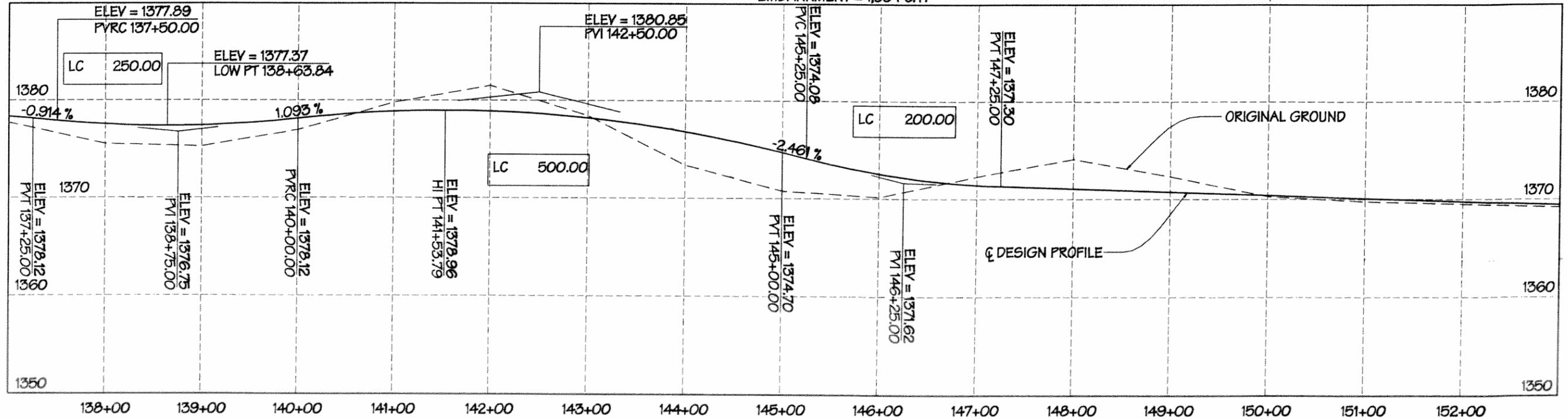
SHEET 11  
 OF 19

SECTION 35, TOWNSHIP 23N., RANGE 27E.W.M.

R= 5000.00  
A= 336.33  
MO= 2.83



ROADWAY EXCAVATION = 2,446 C.Y.  
EMBANKMENT = 1,394 C.Y.



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DRY COULEE ROAD RECONSTRUCTION



SCALE (In feet)

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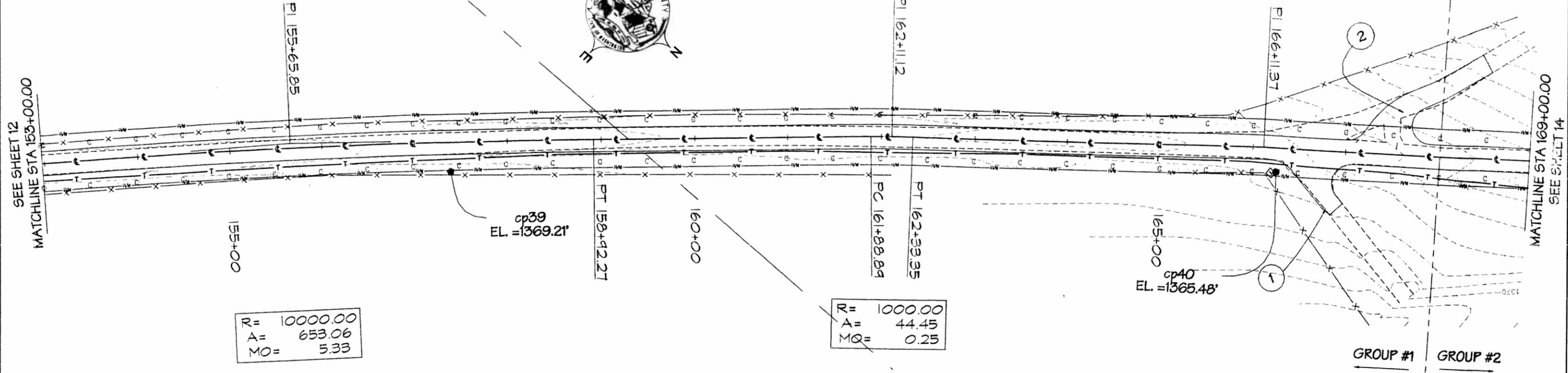
DESIGNED BY: BOB BERSANTI  
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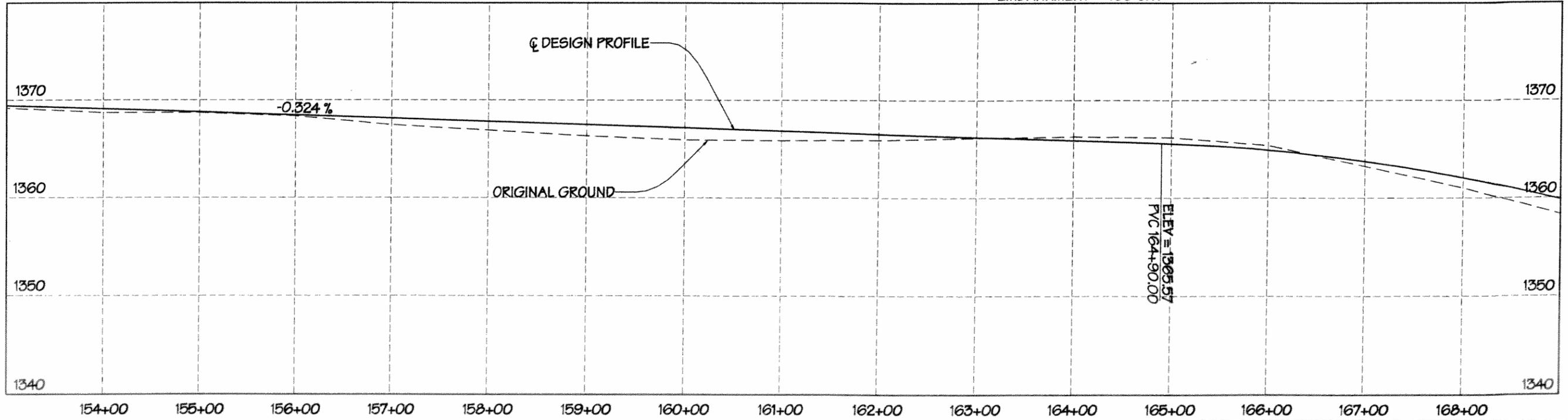
SECTION 35, TOWNSHIP 23N.,  
RANGE 27E.W.M.

SECTION 34, TOWNSHIP 23N., RANGE 27E.W.M.



ROADWAY EXCAVATION = 767 C.Y.  
EMBANKMENT = 344 C.Y.

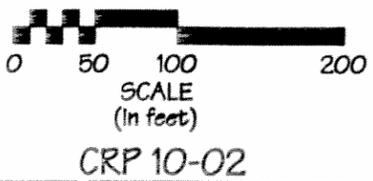
ROADWAY EXCAVATION = 860 C.Y.  
EMBANKMENT = 408 C.Y.



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DRY COULEE ROAD RECONSTRUCTION



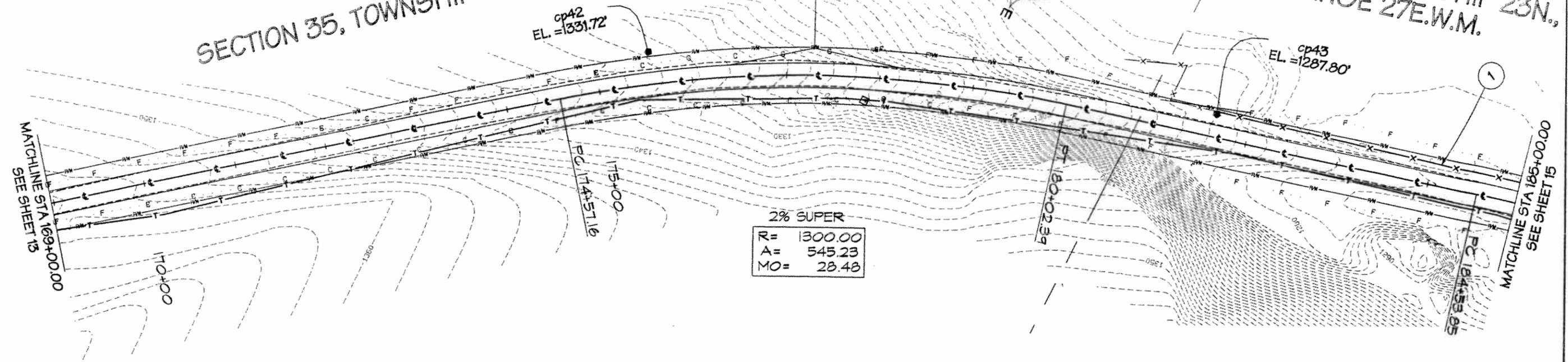
DESIGNED BY: BOB BERSANTI  
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SHEET 13  
OF 19

SECTION 35, TOWNSHIP 23N., RANGE 27E.W.M.

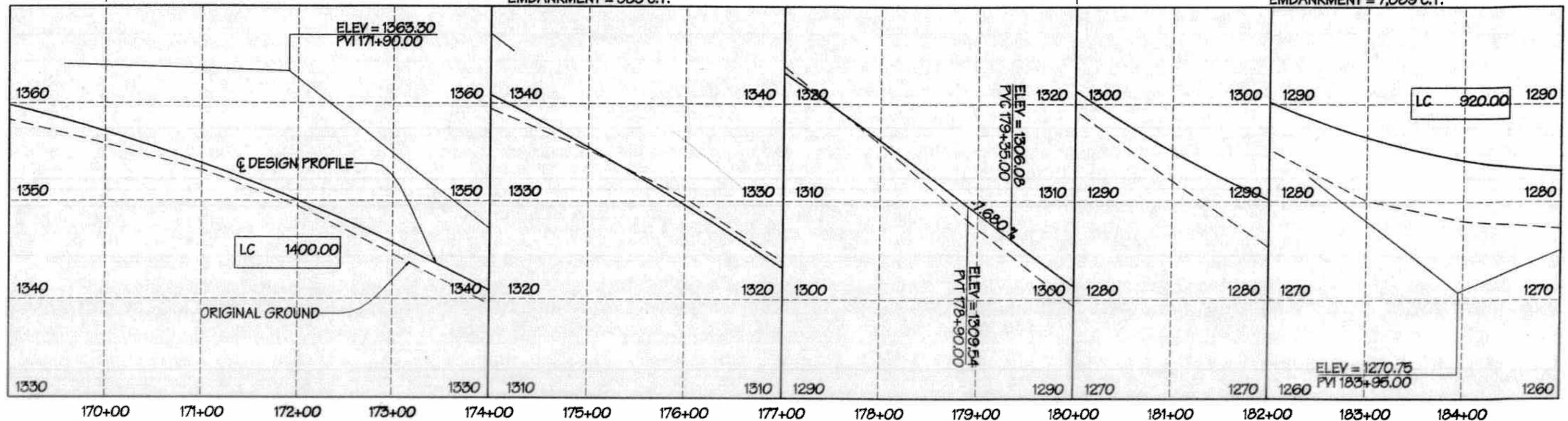
SECTION 27, TOWNSHIP 23N.,  
RANGE 27E.W.M.



2% SUPER  
R= 1300.00  
A= 545.23  
MO= 28.48

ROADWAY EXCAVATION = 611 C.Y.  
EMBANKMENT = 935 C.Y.

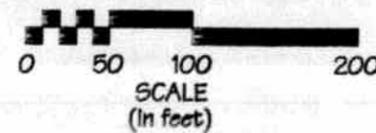
ROADWAY EXCAVATION = 372 C.Y.  
EMBANKMENT = 7,089 C.Y.



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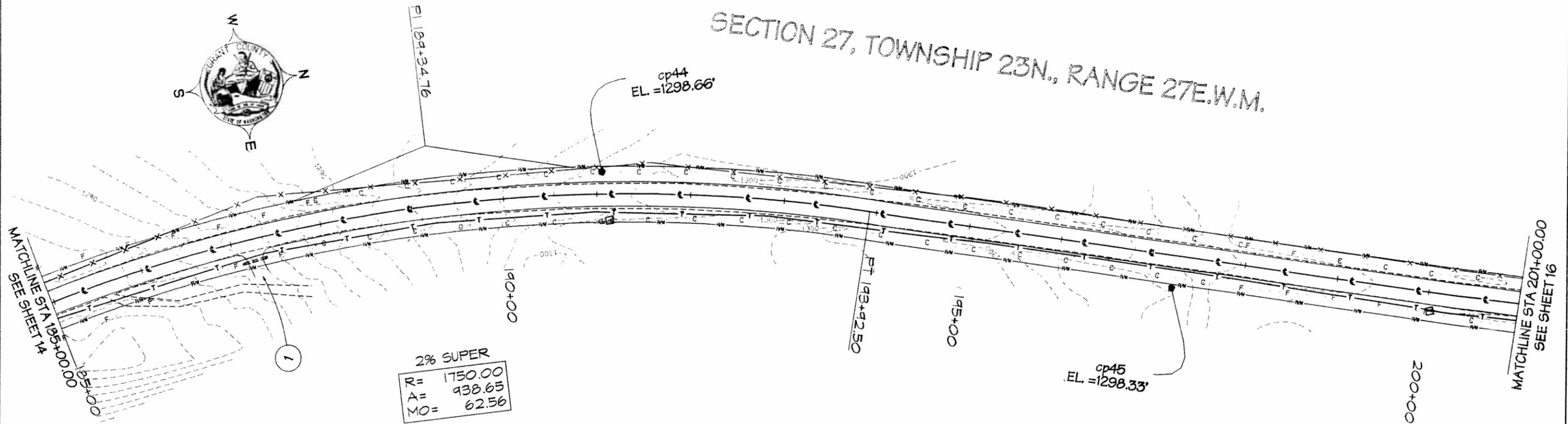
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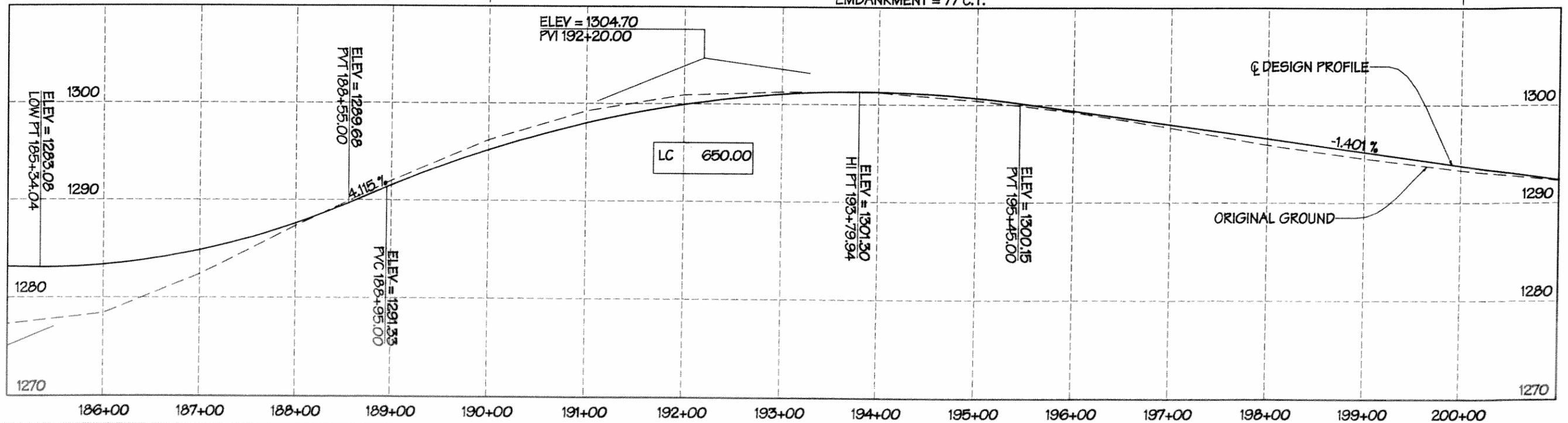
SHEET 14

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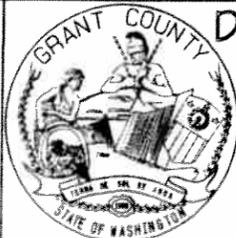
# SECTION 27, TOWNSHIP 23N., RANGE 27E.W.M.



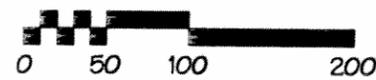
ROADWAY EXCAVATION = 1,155 C.Y.  
EMBANKMENT = 77 C.Y.



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## DRY COULEE ROAD RECONSTRUCTION



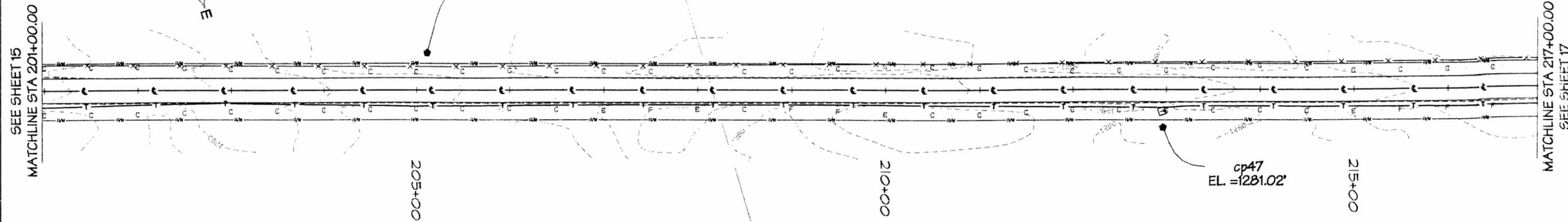
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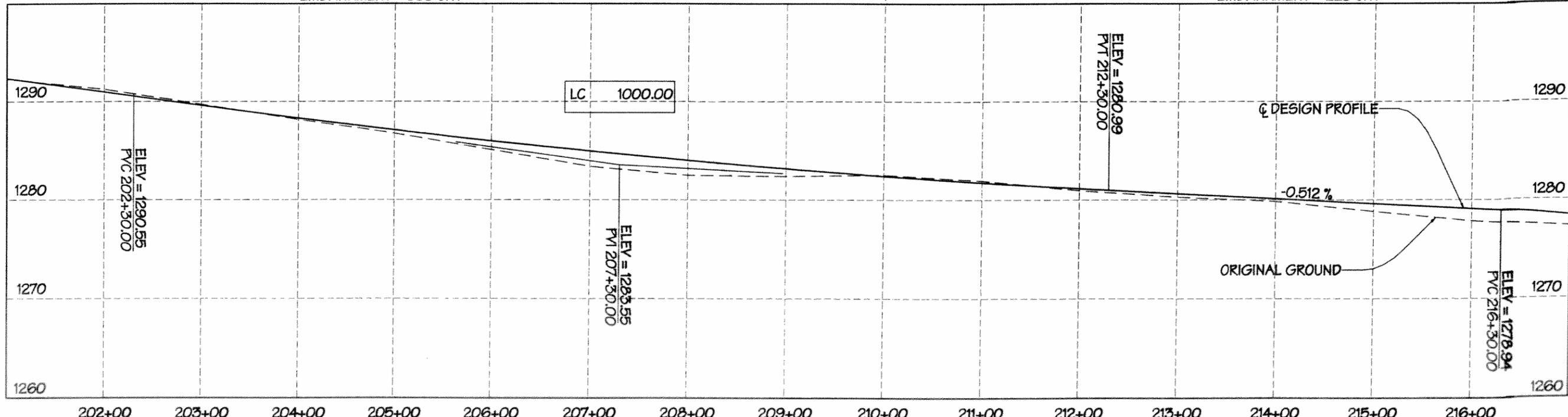
SHEET 15  
OF 19

SECTION 27, TOWNSHIP 23N., RANGE 27E.W.M.

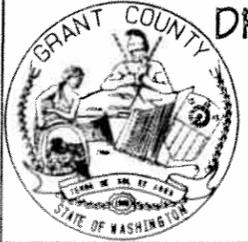


ROADWAY EXCAVATION = 705 C.Y.  
EMBANKMENT = 333 C.Y.

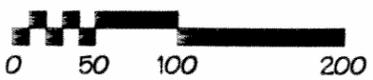
ROADWAY EXCAVATION = 647 C.Y.  
EMBANKMENT = 223 C.Y.



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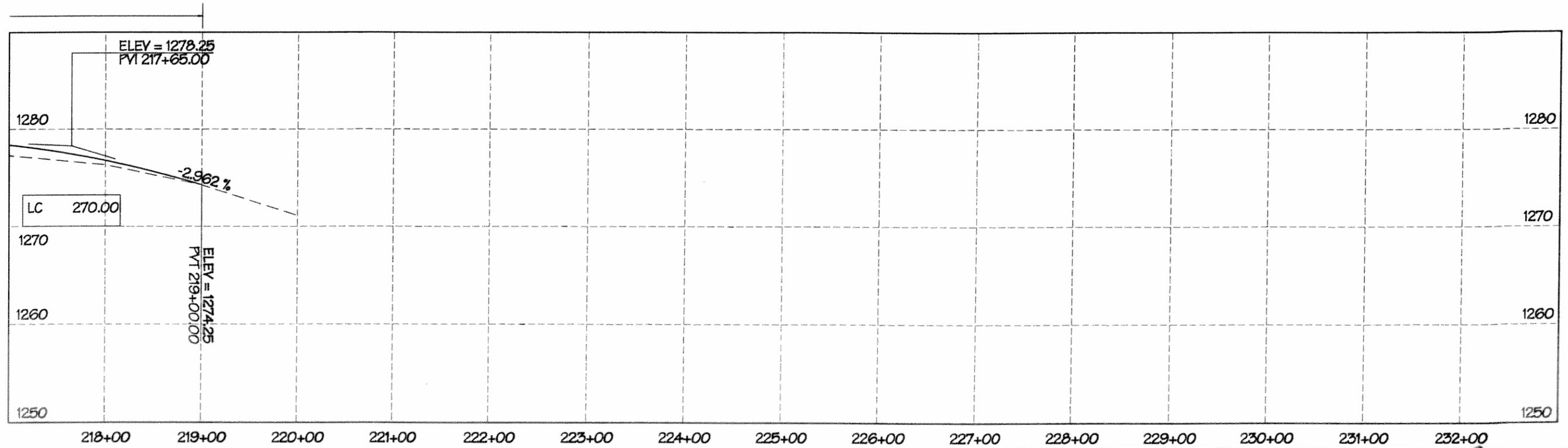
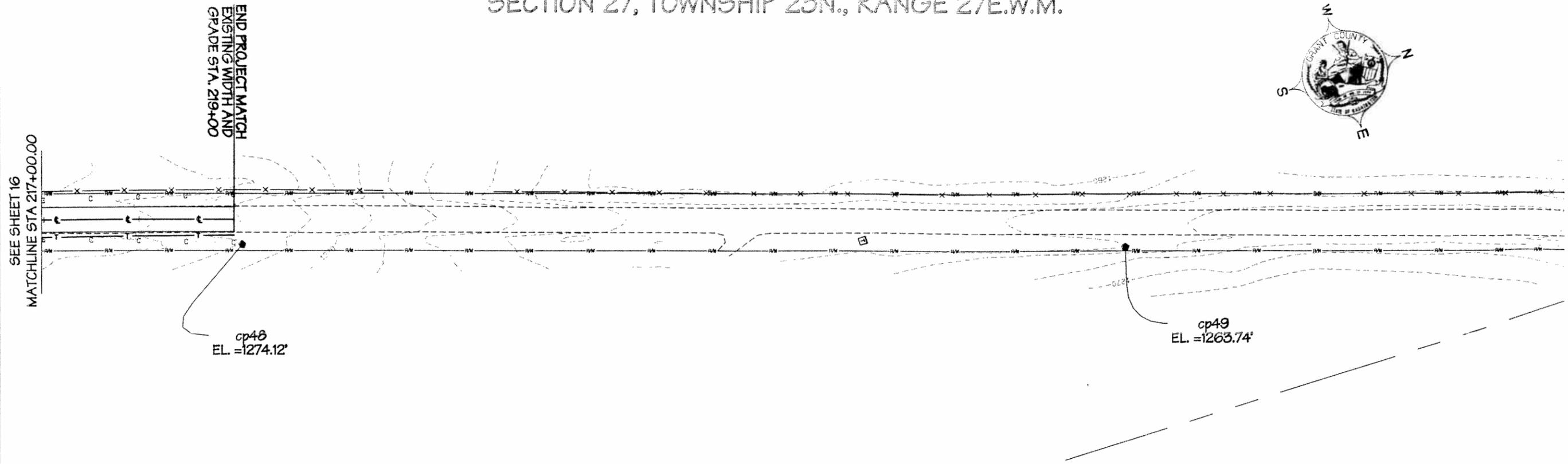
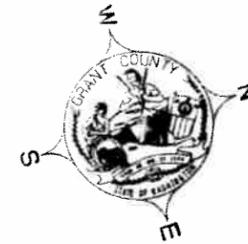
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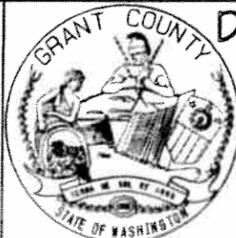


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OF 19

SECTION 27, TOWNSHIP 23N., RANGE 27E.W.M.



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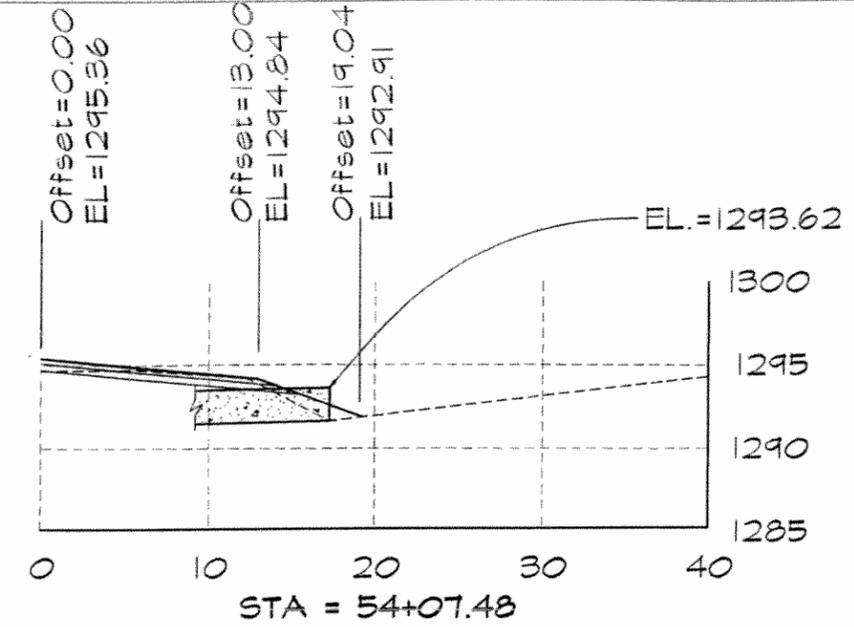
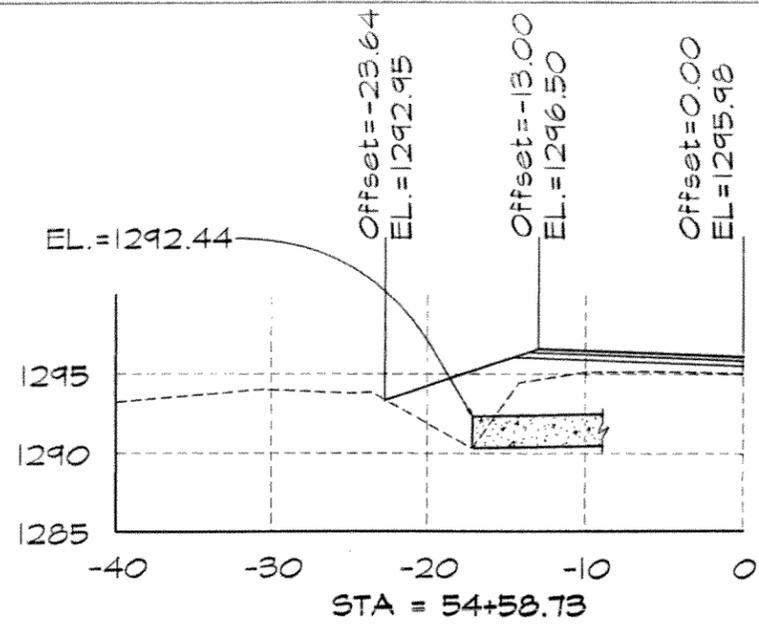


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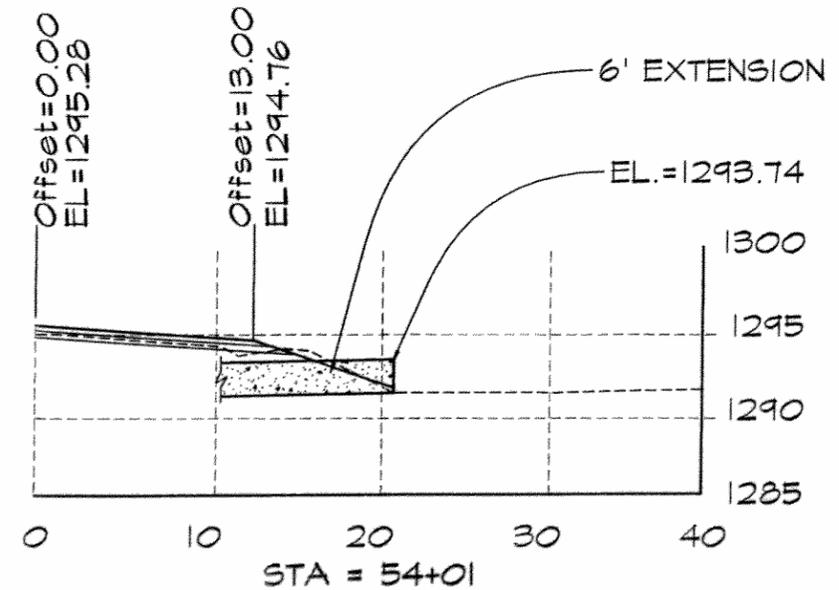
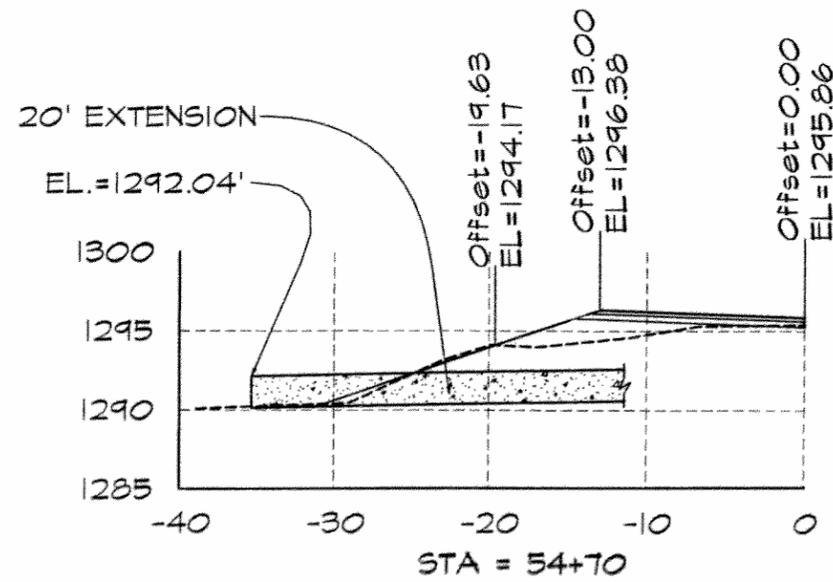
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EXISTING W0.5A PIPE CROSSING



PROPOSED EXTENSION OF W0.5A PIPE CROSSING

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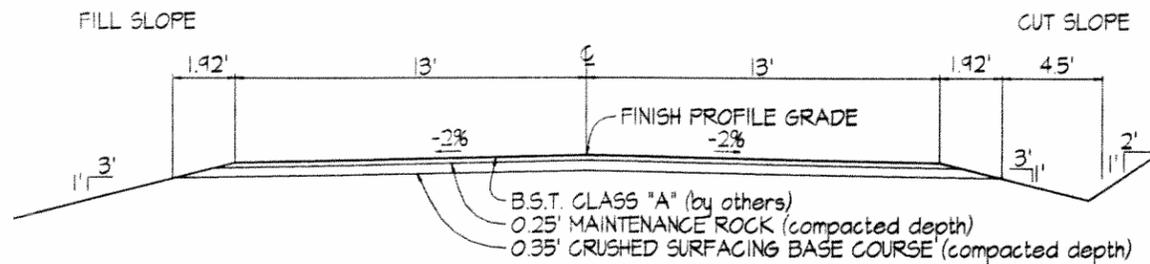
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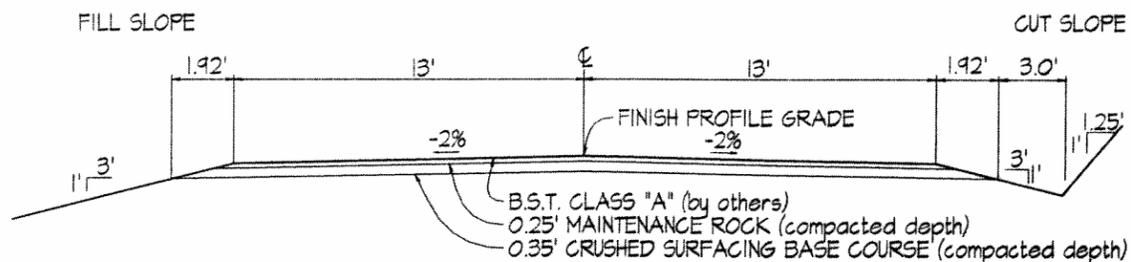
OF 19

## ROADWAY SECTION "A"



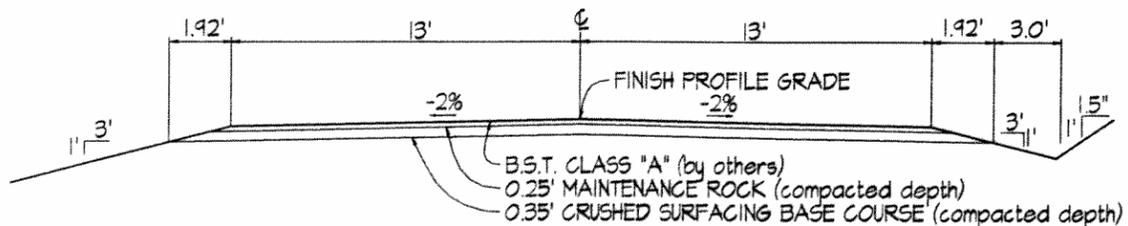
STA. 12+50 TO STA. 23+00  
TRANSITION ROADWAY SECTION "A" STA. 23+00 TO ROADWAY SECTION "B" STA. 24+00  
STA. 27+00 TO STA. 69+00  
TRANSITION ROADWAY SECTION "A" STA. 69+00 TO ROADWAY SECTION "C" STA. 70+00  
STA. 81+00 TO STA. 122+00  
TRANSITION ROADWAY SECTION "A" STA. 122+00 TO ROADWAY SECTION "C" STA. 123+00  
STA. 127+00 TO STA. 219+00

## ROADWAY SECTION "B"



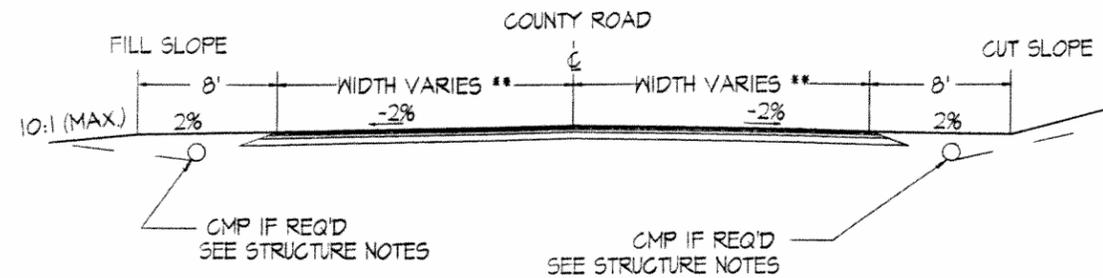
STA. 24+00 TO STA. 26+00  
TRANSITION ROADWAY SECTION "B" STA. 26+00 TO ROADWAY SECTION "A" STA. 27+00

## ROADWAY SECTION "C"



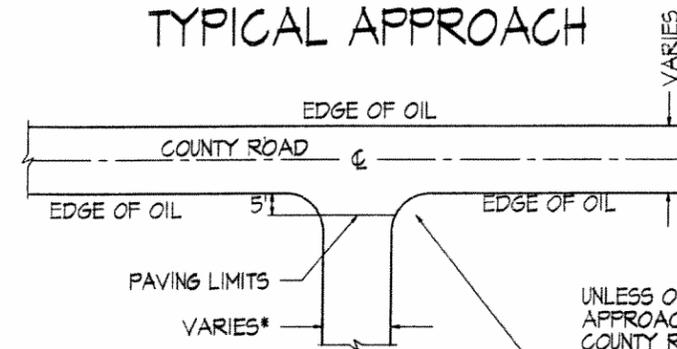
STA. 70+00 TO STA. 80+00  
TRANSITION ROADWAY SECTION "C" STA. 80+00 TO ROADWAY SECTION "A" STA. 81+00  
STA. 123+00 TO STA. 126+00  
TRANSITION ROADWAY SECTION "C" STA. 126+00 TO ROADWAY SECTION "A" STA. 127+00

## TYPICAL APPROACH DETAIL



\*\* SEE PLANS FOR APPROACH WIDTHS

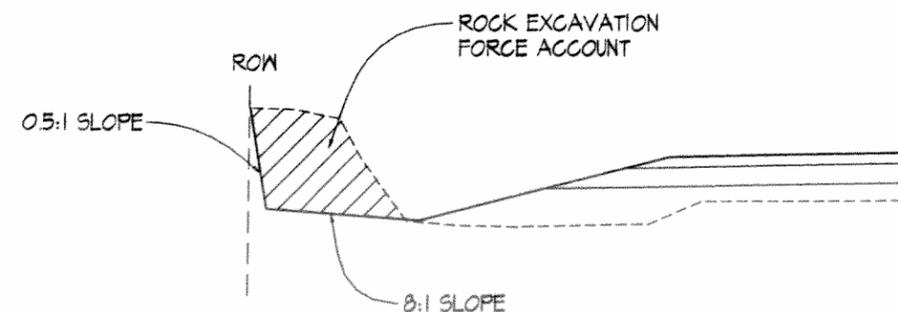
## TYPICAL APPROACH



UNLESS OTHERWISE NOTED ON THE PLANS  
APPROACH RADII WILL BE AS FOLLOWS:  
COUNTY ROAD 30' RADIUS  
FARM APPROACH 15' RADIUS  
RESIDENTIAL APPROACH 10' RADIUS  
COMMERCIAL APPROACH 20' RADIUS

LOCATIONS: SEE STRUCTURE NOTES

## ROCK EXCAVATION STA. 125+00 to 127+00 LT.



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DRY COULEE ROAD RECONSTRUCTION

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