

# AUTHORIZATION

TO

## CALL FOR BIDS

Authorization given: **February 1, 2011**  
to CALL FOR BIDS by the Department of Public Works for:

**R-NE Road, CRP 08-13 & 10-05**  
**RAP Project # 1307-02**

Bid opening date to be **February 22, 2011** at **1:30 P.M.**  
in the Office of the County Commissioners, Grant County Courthouse, Room 207, Ephrata, WA  
98823

BOARD OF COUNTY COMMISSIONERS  
GRANT COUNTY, WASHINGTON

Yea    Nay    Abstain

\_\_\_\_\_  
Carolann Swartz, Chair

\_\_\_\_\_  
Richard Stevens, Vice Chair

\_\_\_\_\_  
Cindy Carter, Member

Approved:

ATTEST:

\_\_\_\_\_  
Director of Public Works

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

Informational Only - NOT FOR BIDDING

# GRANT COUNTY PUBLIC WORKS DEPARTMENT

Derek Pohle, P.E.  
Director of Public Works and  
County Road Engineer  
Ephrata (509) 754-6082

David Heilman  
Assistant Director of Public Works  
Ephrata (509) 754-6082

Jeff Tincher, P.E.  
Assistant County Road Engineer  
Ephrata (509) 754-6082

Robert Bersanti  
Design/Construction Engineer  
Ephrata (509) 754-6082



Steve Hill  
Supervisor  
Road District #1  
Ephrata (509) 754-6586

Dennis Collier, Supervisor  
Road District #2  
Moses Lake (509) 765-4172

John Brissey, Supervisor  
Road District #3  
Quincy (509) 787-2321

Jerome Wawers, Supervisor  
Bridges  
Ephrata (509) 754-6082

Janice Goeden, Supervisor  
Solid Waste  
Ephrata (509) 754-4319

## CONTRACT PROVISIONS and PLANS

For Construction of:

R-NE Road  
CRP 08-13 & 10-05  
RAP Project # 1307-02

Sealed Bids will be Opened on  
**February 22, 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 R-NE Road, CRP 08-13 & 10-05**", will be received by Grant County at the Office of the Board of County Commissioners located in the County Courthouse, P.O. Box 37, 35 C Street NW – Room 207, Ephrata, WA, 98823, until **1:30 P.M., Tuesday, February 22, 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:

### **R-NE Road – CRP 08-13 & 10-05**

This contract provides for the reconstruction of 3.91 miles of a county road in Grant County, WA, and includes removal of bridges, rotomilling, roadway excavation, embankment compaction, borrow excavation, crushed surfacing base course, maintenance rock, drainage items, beam guardrail and terminals, paint lines, permanent signing, seeding, fertilizing, mulching and other work all in accordance with the attached Contract Plans, these Contract Provisions and the Standard Specifications.

## BIDDER'S CHECK LIST

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

- (A) PROPOSAL  
The unit prices bid must be shown in the spaces provided. Show unit prices in figures only. All extensions of the unit prices must be shown in the spaces provided.
- (B) PROPOSAL SIGNATURE SHEET  
To be filled in and signed by the bidder.
- (C) STATEMENT OF CONTRACTOR QUALIFICATIONS  
To be filled in and signed by the bidder.
- (D) BID BOND  
This form is to be executed by the bidder and his surety company unless the bid is accompanied by cash, certified or cashier's check. The amount of this bond shall be equal to 5% of the total amount bid and may be shown in dollars or on a percentage basis.
- (E) Non-Collusion Declaration (272-036)
- (F) Subcontractor's List (271-015)

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

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

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Traffic Control Plan  
Standard Plans  
Plans

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 1-06, CONTROL OF MATERIALS**  
17 **January 3, 2011**

18 **1-06.1 Approval of Materials Prior to Use**

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

21 **1-06.1(4) Fabrication Inspection Expense**

22 In the event the Contractor elects to have items fabricated beyond 300 miles from Seattle,  
23 Washington the Contracting Agency will deduct from payment due the Contractor costs to  
24 perform fabrication inspection on the following items:  
25

- 26 • Steel Bridges and Steel Bridge components
- 27 • Cantilever Sign Structures and Sign Bridges
- 28 • Prestressed Concrete Girders and Precast Bridge Components
- 29 • Cylindrical, Disc, Pin, and Spherical Bearings
- 30 • Modular Expansion Joints
- 31 • Epoxy Coated Reinforcing Steel
- 32 • Painted and Powder Coated Luminaire and Signal Poles
- 33 • Additional items as may be determined by the Engineer

34  
35 The deductions for fabrication inspection costs will be as shown in the Payment Table  
36 below.  
37

Zone	Place of Fabrication	Reduction in Payment
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

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

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

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

**1-06.2(2)A General**

Table 2 "Pay Factors" on page 1-39 is revised to read:

**Table 2  
Pay Factors**

PAY FACTOR	Minimum Required Percent of Work Within Specification Limits for a Given Factor (PU + P <sub>1</sub> ) – 100														
	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
1.04					100	99	97	95	96	96	96	97	97	97	97
1.03				100	98	96	94	92	93	93	94	95	95	96	96
1.02				99	97	94	91	89	90	91	92	93	93	94	94
1.01	100	100	100	98	95	92	89	87	88	89	90	91	92	92	93
1.00	69	75	78	80	82	83	84	84	86	87	88	89	90	91	92
0.99	66	72	76	78	80	81	82	83	84	85	86	87	89	90	91
0.98	64	70	74	76	78	79	80	81	82	84	85	86	87	88	90
0.97	63	68	72	74	76	77	78	79	81	82	83	84	86	87	88
0.96	61	67	70	72	74	75	76	78	79	81	82	83	84	86	87
0.95	59	65	68	71	72	74	75	76	78	79	80	82	83	84	86
0.94	58	63	67	69	71	72	73	75	76	78	79	80	82	83	85
0.93	57	62	65	67	69	71	72	73	75	76	78	79	80	82	84
0.92	55	60	63	66	68	69	70	72	73	75	76	78	79	81	82
0.91	54	59	62	64	66	68	69	70	72	74	75	76	78	79	81
0.90	53	57	61	63	65	66	67	69	71	72	74	75	77	78	80
0.89	51	56	59	62	63	65	66	68	69	71	72	74	75	77	79
0.88	50	55	58	60	62	64	65	66	68	70	71	73	74	76	78
0.87	49	53	57	59	61	62	63	65	67	68	70	71	73	75	77
0.86	48	52	55	58	59	61	62	64	66	67	69	70	72	74	76

(Continued)

Table 2 "Pay Factors" on page 1-40 is revised to read:

**Table 2  
Pay Factors (continued)**

PAY FACTOR	Minimum Required Percent of Work Within Specification Limits for a Given Factor $(P_U + P_L) - 100$														
	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
0.85	46	51	54	56	58	60	61	62	64	66	67	69	71	72	75
0.84	45	49	53	55	57	58	60	61	63	65	66	68	70	71	73
0.83	44	48	51	54	56	57	58	60	62	64	65	67	69	70	72
0.82	43	47	50	53	54	56	57	59	61	62	64	66	67	69	71
0.81	41	46	49	51	53	55	56	58	59	61	63	64	66	68	70
0.80	40	44	48	50	52	54	55	56	58	60	62	63	65	67	69
0.79	39	43	46	49	51	52	54	55	57	59	61	62	64	66	68
0.78	38	42	45	48	50	51	52	54	56	58	59	61	63	65	67
0.77	36	41	44	46	48	50	51	53	55	57	58	60	62	64	66
0.76	35	39	43	45	47	49	50	52	54	56	57	59	61	63	65
0.75	33	38	42	44	46	48	49	51	53	54	56	58	60	62	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 $(P_U + P_L) - 100$ does not correspond to a $(P_U + P_L) - 100$ value in this table, use the next smaller $(P_U + P_L) - 100$ value.															

1  
2

3 **SECTION 1-07, LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC**  
4 **January 3, 2011**

5 **1-07.2 Sales Tax**

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

7

8 The Contractor shall contact the Contract Payment section of the Division of Accounting &  
9 Financial Services of the Department of Transportation, Olympia WA for questions on sales  
10 tax.

11

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

13

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

17

18 **1-07.9(1) General**

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

20

21 When the project involves highway Work, heavy Work and building Work, the Contract  
22 Provisions may list a Federal wage and fringe benefit rate for the highway Work, a separate  
23 Federal wage and fringe benefit rate for both the heavy Work and the building Work.

24

25 **1-07.13(4) Repair of Damage**

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

27

28 For damage qualifying for relief under Sections 1-07.13(1), 1-07.13(2), 1-07.13(3), or 8-  
29 17.5, payment will be made in accordance with Section 1-09.4 using the estimated Bid item  
30 "Reimbursement for Third Party Damage".

31

32 **1-07.14 Responsibility for Damage**

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

34

35 Subject to the limitations in this section and RCW 4.24.115 the Contractor shall indemnify,  
36 defend, and save harmless the State, Governor, Commission, Secretary, and all officers

1 and employees of the State from all claims, suits, or actions brought for injuries to, or death  
2 of, any persons or damages resulting from construction of the Work or in consequence of  
3 any negligence or breach of contract regarding the Work, or the use of any improper  
4 materials in the Work, caused in whole or in part by any act or omission by the Contractor  
5 or the agents or employees of the Contractor during performance or at any time before final  
6 acceptance. In addition to any remedy authorized by law, the State may retain so much of  
7 the money due the Contractor as deemed necessary by the Engineer to ensure  
8 indemnification until disposition has been made of such suits or claims.  
9

10 Subject to the limitations in this section and RCW 4.24.115, the Contractor shall indemnify,  
11 defend, and save harmless any county, city, or region, its officers, and employees  
12 connected with the Work, within the limits of which county, city, or region the Work is being  
13 performed, all in the same manner and to the same extent as provided above for the  
14 protection of the State, its officers and employees, provided that no retention of money due  
15 the Contractor be made by the State except as provided in RCW 60.28, pending disposition  
16 of suits or claims for damages brought against the county, city, or district.  
17

18 Pursuant to RCW 4.24.115, where such claims, suits, or actions result from the concurrent  
19 negligence of (a) the indemnitee or the indemnitee's agents or employees and (b) the  
20 Contractor or the Contractor's agent or employees, the indemnity provisions provided in the  
21 preceding paragraphs of this section shall be valid and enforceable only to the extent of the  
22 Contractor's negligence or the negligence of its agents and employees.  
23

24 This section is supplemented with the following:  
25

26 THE CONTRACTOR SPECIFICALLY ASSUMES ALL POTENTIAL LIABILITY FOR  
27 ACTIONS BROUGHT BY EMPLOYEES OF THE CONTRACTOR AND, SOLELY FOR THE  
28 PURPOSE OF ENFORCING THE DEFENSE AND INDEMNIFICATION OBLIGATIONS  
29 SET FORTH IN SECTION 1-07.14, THE CONTRACTOR SPECIFICALLY WAIVES ANY  
30 IMMUNITY GRANTED UNDER THE STATE INDUSTRIAL INSURANCE LAW, RCW TITLE  
31 51. THIS WAIVER HAD BEEN MUTUALLY NEGOTIATED BY THE PARTIES. THE  
32 CONTRACTOR SHALL SIMILARLY REQUIRE THAT EACH SUBCONTRACTOR IT  
33 RETAINS IN CONNECTION WITH THE PROJECT COMPLY WITH THE TERMS OF THIS  
34 PARAGRAPH, WAIVE ANY IMMUNITY GRANTED UNDER RCW TITLE 51 AND ASSUME  
35 ALL LIABILITY FOR ACTIONS BROUGHT BY EMPLOYEES OF THE SUBCONTRACTOR.  
36

### 37 **1-07.15 Temporary Water Pollution/Erosion Control**

38 The fourth paragraph is deleted.  
39

### 40 **1-07.15(1) Spill Prevention, Control and Countermeasures Plan**

41 The third sentence in the first paragraph is revised to read:  
42

43 No on-site construction activities may commence until the Contracting Agency accepts a  
44 SPCC Plan for the project.  
45

46 In item number 10, the first paragraph below the pay item "SPCC Plan," lump sum is revised to  
47 read:  
48

49 When the written SPCC Plan is accepted by the Contracting Agency, the Contractor shall  
50 receive 50-percent of the lump sum Contract price for the plan.  
51

### 52 **1-07.16(2) Vegetation Protection and Restoration**

53 The second paragraph is revised to read:

1  
2 Damage which may require replacement of vegetation includes torn bark stripping, broken  
3 branches, exposed root systems, cut root systems, poisoned root systems, compaction of  
4 surface soil and roots, puncture wounds, drastic reduction of surface roots or leaf canopy,  
5 changes in grade greater than 6-inches, or any other changes to the location that may  
6 jeopardize the survival or health of the vegetation to be preserved.  
7

8 The third paragraph is revised to read:  
9

10 When large roots of trees designated to be saved are exposed by the Contractor's  
11 operation, they shall be wrapped with heavy, moist material such as burlap or canvas for  
12 protection and to prevent excessive drying. The material shall be kept moist and securely  
13 fastened until the roots are covered to finish grade. All material and fastening material shall  
14 be removed from the roots before covering. All roots 1-inch or larger in diameter, which are  
15 damaged, shall be pruned with a sharp saw or pruning shear. Damaged, torn, or ripped  
16 bark shall be removed as designated by the Engineer at no additional cost to the  
17 Contracting Agency.  
18

19 The fourth paragraph is revised to read:  
20

21 Any pruning activity required to complete the Work as specified shall be performed by a  
22 Certified Arborist as designated by the Engineer.  
23

#### 24 **1-07.18 Public Liability and Property Damage Insurance**

25 This section is deleted in its entirety and replaced with the following:  
26

#### 27 **1-07.18 Public Liability and Property Damage Insurance**

28 The Contractor shall obtain and keep in force the following policies of insurance. The  
29 policies shall be with companies or through sources approved by the State Insurance  
30 Commissioner pursuant to Chapter 48.05, RCW. Unless otherwise indicated below, the  
31 policies shall be kept in force from the execution date of the Contract until the date of  
32 acceptance by the Secretary ([Section 1-05.12](#)).  
33

- 34 1. Owners and Contractors Protective (OCP) Insurance providing bodily injury and  
35 property damage liability coverage with limits of \$3,000,000 per occurrence and, per  
36 project, in the aggregate for each policy period, written on Insurance Services Office  
37 (ISO) form CG0009 1204, together with Washington State Department of  
38 Transportation amendatory endorsement CG 2908 1195, specifying the Contracting  
39 Agency, the State, the Governor, the Commission, the Secretary, the Department and  
40 all officers and employees of the State as named insured.  
41
- 42 2. Commercial General Liability (CGL) Insurance written under ISO Form CG0001 or its  
43 equivalent with minimum limits of \$3,000,000 per occurrence and in the aggregate for  
44 each one year policy period. This coverage may be any combination of primary,  
45 umbrella or excess liability coverage affording total liability limits of not less than  
46 \$3,000,000 per occurrence and in the aggregate. Products and completed operations  
47 coverage shall be provided for a period of three years following Substantial Completion  
48 of the Work.  
49
- 50 3. Commercial Automobile Liability Insurance providing bodily injury and property  
51 damage liability coverage for all owned and nonowned vehicles assigned to or used in  
52 the performance of the Work with a combined single limit of not less than \$1,000, 000  
53 each occurrence. This coverage may be any combination of primary, umbrella or  
54 excess liability coverage affording total liability limits of not less than \$1,000,000 per

1 occurrence with the State named as an additional insured or designated insured in  
2 connection with the Contractor's Performance of the Contract. If pollutants are to be  
3 transported, MCS 90 and CA 99 48 endorsements are required on the Commercial  
4 Automobile Liability insurance policy unless in-transit pollution risk is covered under a  
5 Pollution Liability insurance policy.  
6

- 7 4. The Contractor shall be Named Insured and the Contracting Agency, the State, the  
8 Governor, the Commission, the Secretary, the Department, all officers and employees  
9 of the State, and their respective members, directors, officers, employees, agents and  
10 consultants (collectively the "Additional Insureds") shall be included as Additional  
11 Insureds for all policies and coverages specified in this Section, with the exception of  
12 the OCP policy. Said insurance coverage shall be primary and non-contributory  
13 insurance with respect to the insureds and the Additional Insureds. Any insurance or  
14 self-insurance beyond that specified in this Contract that is maintained by any  
15 Additional Insured shall be in excess of such insurance and shall not contribute with it.  
16 All insurance coverage required by this Section shall be written and provided by  
17 "occurrence-based" policy forms rather than by "claims made" forms.  
18

19 All endorsements adding Additional Insureds to required policies shall be issued on (i)  
20 form CG 20 10 11 85 or a form deemed equivalent by the Contracting Agency,  
21 providing the Additional Insureds with all policies and coverages set forth in this  
22 Section, with the exception of the OCP and Commercial Auto policies or (ii) form CA 20  
23 48 or forms deemed equivalent by Contracting Agency, providing the Additional  
24 Insureds with all coverage's required under the Commercial Automobile Liability.  
25

- 26 5. The coverage limits to be provided by Contractor for itself and to the Contracting  
27 Agency and Additional Insureds pursuant to this section or any Special Provision, shall  
28 be on a "per project" aggregate basis with the minimum limits of liability as set forth  
29 herein for both general liability and products/completed operations claims. The  
30 additional insured coverage required under this Section for products/completed  
31 operations claims shall remain in full force and effect for not less than three years  
32 following Substantial Completion of the project. If the Contractor maintains, at any  
33 time, coverage limits for itself in excess of limits set forth in this Section 1-07.18 or any  
34 Special Provision, then those additional coverage limits shall also apply to the  
35 Contracting Agency and the Additional Insureds. This includes, but is not limited to, any  
36 coverage limits provided under any risk financing program of any description, whether  
37 such limits are primary, excess, contingent or otherwise.  
38

- 39 6. All insurance policies and coverage's required under Section 1-07.18 and Section 1-  
40 07.10 shall contain a waiver of subrogation against the Contracting Agency, the State,  
41 any Additional Insured and their respective departments, agencies, boards, and  
42 commissions and their respective officers, officials, agents, and employees for losses  
43 arising from Work performed by or on behalf of the Contractor. This waiver has been  
44 mutually negotiated by the parties.  
45

- 46 7. Where applicable, the Contractor shall cause each Subcontractor to provide insurance  
47 that complies with all applicable requirements of the Contractor-provided insurance as  
48 set forth herein, in circumstances where the Subcontractor is not covered by the  
49 Contractor-provided insurance. The Contractor shall have sole responsibility for  
50 determining the limits of coverage required, if any, to be obtained by Subcontractors,  
51 which determination shall be made in accordance with reasonable and prudent  
52 business practices. In the event that a Subcontractor is required to add the Contractor  
53 as an additional insured pursuant to its contract for Work at the Project, then the  
54 Contractor shall also cause each Subcontractor to include the Contracting Agency and

1 the Additional Insureds as additional insureds as well, for primary and non-contributory  
2 limits of liability under each Subcontractor's Commercial General Liability, Commercial  
3 Automobile Liability and, any other coverage's which may be required pursuant to a  
4 "Special Provision".  
5

- 6 8. Unless specifically noted otherwise in the Contract Documents, the parties to this  
7 Contract do not intend by any of the provisions of this Contract to cause the public or  
8 any member thereof or any other Person to be a third party beneficiary of the Contract  
9 Documents. Nothing in this Contract authorizes anyone not a party to this Contract or  
10 a designated third party beneficiary to this Contract to maintain a suit for personal  
11 injuries or property damage pursuant to the terms or provisions of this Contract. It is  
12 the further intent of the Contracting Agency and the Contractor in executing the Form  
13 of Contract that no individual, firm, corporation or any combination thereof which  
14 supplies materials, labor, services, or equipment to the Contractor for the performance  
15 of the Work shall become thereby a third party beneficiary of this Contract.  
16

17 The Contract Documents shall not be construed to create a contractual relationship of  
18 any kind between the Contracting Agency and a Subcontractor or any other Person  
19 except the Contractor.  
20

- 21 9. The Owners and Contractors Protective Insurance policy shall not be subject to a  
22 deductible or contain provisions for a deductible. The Commercial General Liability  
23 policy and the Commercial Automobile Liability Insurance policy may, at the discretion  
24 of the Contractor, contain such provisions. If a deductible applies to any claim under  
25 these policies, then payment of that deductible will be the responsibility of the  
26 Contractor, notwithstanding any claim of liability against the Contracting Agency.  
27 However in no event shall any provision for a deductible provide for a deductible in  
28 excess of \$50,000.00.  
29
- 30 10. With the exception of the Commercial Automobile liability coverage, no policies of  
31 insurance required under this Section shall contain an arbitration or alternative dispute  
32 resolution clause applicable to disputes between the insurer and its insureds. Any and  
33 all disputes concerning (i) terms and scope of insurance coverage afforded by the  
34 policies required hereunder and/or (ii) extra contractual remedies and relief which may  
35 be afforded policy holders in connection with coverage disputes, shall be resolved in  
36 Washington Superior Court, applying Washington law.  
37
- 38 11. Prior to Contract execution, the Contractor shall file with the Department of  
39 Transportation, Contract Payment Section, P.O. Box 47420, Olympia, WA 98504-7420,  
40 ACORD Form Certificates of Insurance evidencing the minimum insurance coverages  
41 required under these Specifications. Within 30 days of being awarded a Contract, the  
42 Contractor shall provide the Department with complete copies, which may be  
43 electronic copies, of all insurance policies required under this section and any Special  
44 Provisions.  
45
- 46 12. The Contractor shall provide written notice to the Engineer of any policy cancellations  
47 and provide the Department of Transportation, Contract Payment Section, P.O. Box  
48 47420 Olympia, WA 98504-7420, by U.S Mail, notice of any policy cancellation within  
49 two business days of receipt of cancellation.  
50
- 51 13. Failure on the part of the Contractor to maintain the insurance as required, or to not  
52 provide certification and copies of the insurance prior to the time specified in  
53 subsection 11 above, shall constitute a material breach of Contract upon which the  
54 Contracting Agency may, after giving 5-business days notice to the Contractor to

1 correct the breach, immediately terminate the Contract or, at its discretion, procure or  
2 renew such insurance and pay any and all premiums in connection therewith, with any  
3 sums so expended to be repaid to the Contracting Agency on demand, or at the sole  
4 discretion of the Contracting Agency, offset against funds due the Contractor from the  
5 Contracting Agency. All costs for insurance, including any payments of deductible  
6 amounts, shall be considered incidental to and included in the unit Contract prices and  
7 no additional payment will be made.  
8

9 **SECTION 1-08, PROSECUTION AND PROGRESS**  
10 **January 3, 2011**

11 **1-08.1 Subcontracting**

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

13  
14 This Certification shall be submitted to the Project Engineer on WSDOT form 421-023,  
15 "Quarterly Report of Amounts Paid as MBE/WBE Participants", quarterly for the State fiscal  
16 quarters: January 1 through March 31, April 1 through June 30, July 1 through September  
17 30, October 1 through December 31, and for any remaining portion of a quarter through  
18 Physical Completion of the Contract. The report is due 20 calendar days following the fiscal  
19 quarter end or 20-calendar days after Physical Completion of the Contract.  
20

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

22  
23 When required, this "Quarterly Report of Amounts Credited as DBE Participation" is in lieu  
24 of WSDOT form 421-023, "Quarterly Report of Amounts Paid as MBE/WBE Participants".  
25

26 **1-08.5 Time for Completion**

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

28  
29 When any of these holidays fall on a Sunday, the following Monday shall be counted a  
30 nonworking day. When the holiday falls on a Saturday, the preceding Friday shall be  
31 counted a nonworking day. The days between December 25 and January 1 will be  
32 classified as nonworking days.  
33

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

- 35  
36 c. Quarterly Reports of Amounts Paid as MBE/WBE Participants, or Quarterly Reports of  
37 Amounts Credited as DBE Participation, as required by the Contract Provisions.  
38

39 **SECTION 1-09, MEASUREMENT AND PAYMENT**  
40 **January 3, 2011**

41 **1-09.2(1) General Requirement for Weighing Equipment**

42 This section is revised to read:

43  
44 Unless specified otherwise, any Highway or Bridge construction materials to be  
45 proportioned or measured and paid for by weight shall be weighed on a scale.  
46

47 **Scales**

48 Scales shall:  
49

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

- 1
- 2 5. identification number of hauling vehicle; and
- 3
- 4 6. weight delivered
- 5
- 6 a. net weight in the case of batch and hopper scales
- 7
- 8 b. gross weight, tare and net weight in the case of platform scales (tare may be
- 9 omitted if a tare beam is used)
- 10
- 11 c. approximate load out weight in the case of belt conveyor scales
- 12

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

### 17 **1-09.2(2) Specific Requirements for Batching Scales**

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

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

### 23 **1-09.2(3) Specific Requirements for Platform Scales**

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

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

27  
28 The third paragraph is deleted.

### 30 **1-09.2(5) Measurement**

31 This section is revised to read:

#### 33 **Scale Verification Checks**

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

37  
38 Verification checks may not be routinely conducted quantities of weighed material who's  
39 estimated proposal quantity, multiplied by its unit price, has a value of less than \$20,000.

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

- 43
- 44 1. Weigh a loaded truck on a separate certified platform scale designated by the
- 45 Contractor, for the purpose of scale verification.
- 46
- 47 2. Weigh a vehicle that weighs at least 10,000 pounds on a separate certified scale
- 48 and then check the project scale with it.
- 49
- 50 3. Establish a certified fixed load weighing at least 10,000 pounds as a check-weight.
- 51 The certification shall consist of an affidavit affirming the correct weight of the fixed
- 52 load.
- 53

1 Should the scale verification check reveal a weight difference of more than 0.5-percent, a  
2 second scale verification check shall be performed immediately. If the weight differences of  
3 both comparison checks exceed the 0.5-percent limit, the Contractor shall immediately stop  
4 weighing and the scale shall be recertified at the Contractor's expense.  
5

### 6 ***Belt Scales***

7 To test the accuracy of a belt-conveyor scale, the Contractor shall weigh five or more  
8 payloads from sequential hauling units and compare these weights with weights of the  
9 same payloads taken on a separate certified platform scale. If the test results fluctuate, the  
10 Engineer may require more than five check loads. Conveyor weights will be based on  
11 tonnage values taken from the sealed odometer at the beginning and end of each check  
12 period.  
13

14 If scale verification checks show the scale has been under weighing, it shall be adjusted  
15 immediately.  
16

17 If scale verification checks show the scale has been overweighing, its operation will cease  
18 immediately until adjusted.  
19

### 20 ***Minor Construction Items***

21 If the specifications and plans require weight measurement for minor construction items,  
22 the Contractor may request permission to convert volume to weight. If the Engineer  
23 approves, an agreed factor may be used to make this conversion and volume may be used  
24 to calculate the corresponding weight for payment.  
25

## 26 **1-09.2(6) Payment**

27 This section is revised to read:  
28

29 Unless specified otherwise the Contracting Agency will pay for no materials received by  
30 weight unless they have been weighed as required in this section or as required by another  
31 method the Engineer has approved in writing.  
32

33 The Contractor shall not be compensated for any loss from under weighing that is revealed  
34 by scale verification checks.  
35

36 If scale verification checks reveal that the scale is over weighing, then payment for all  
37 material weighed since the last valid scale verification check will be adjusted. The  
38 contracting agency will calculate the combined weight of all materials weighed after the last  
39 verification check showing accurate results. This combined weight will then be reduced for  
40 payment by the percentage of scale error that exceeds 0.5-percent unless the Contractor  
41 demonstrates to the satisfaction of the Engineer that the defect in the scale was present for  
42 a lesser period of time.  
43

44 Unit contract prices for the various pay items of the project cover all costs related to  
45 weighing and proportioning materials for payment. These costs include but are not limited  
46 to:  
47

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

- 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**

**January 3, 2011**

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

### **1-10.2(3) Conformance to Established Standards**

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

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

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

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

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

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

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

3  
4 **1-10.3(3)J Truck Mounted Attenuator**

5 The title for this section is revised to read:

6  
7 **1-10.3(3)J Transportable Attenuator**

8  
9 In the second and fourth paragraphs, the references to "TMA" are revised to read  
10 "Transportable Attenuator".

11  
12 In the first paragraph, the first sentence is revised to read:

13  
14 Where shown on an approved traffic control plan or where ordered by the Engineer, the  
15 Contractor shall provide, operate, and maintain transportable impact attenuators as  
16 required in Section 9-35.12.

17  
18 In the third paragraph, the reference to "truck's" is revised to read "host vehicle's".

19  
20 **1-10.4(2) Item Bids with Lump Sum for Incidentals**

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

23  
24 In the eighth paragraph, the first sentence is revised to read:

25  
26 "Transportable Attenuator" will be measured per each one time only for each host vehicle  
27 with mounted or attached impact attenuator used on the project.

28  
29 In the last sentence of the ninth paragraph, the reference to "TMA" is replaced with  
30 "transportable attenuator".

31  
32 **1-10.5(2) Item Bids with Lump Sum for Incidentals**

33 All references to "truck mounted impact attenuator(s)" are revised to read "transportable  
34 attenuator(s)".

35  
36 **SECTION 2-01, CLEARING, GRUBBING, AND ROADSIDE CLEANUP**

37 **April 5, 2010**

38 **2-01.3(2) Grubbing**

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

40  
41 e. Upon which embankments will be placed except stumps may be close-cut or trimmed  
42 as allowed in Section 2-01.3(1) item 3.

43  
44 **SECTION 2-02, REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

45 **January 4, 2010**

46 **2-02.3 Construction Requirements**

47 The fourth paragraph is revised to read:

1 The Contractor may dispose of waste material in Contracting Agency owned sites if the  
2 Special Provisions or the Engineer permits it. Otherwise, the Contractor shall arrange to  
3 dispose of waste at no expense to the Contracting Agency and the disposal shall meet the  
4 requirements of Section 2-03.3(7)C.  
5

## 6 **SECTION 2-09, STRUCTURE EXCAVATION**

7 **January 3, 2011**

### 8 **2-09.3(1)E Backfilling**

9 The sixth paragraph is revised to read:

10  
11 The water/cement ratio shall be calculated on the total weight of cementitious material.  
12 Cementitious materials are those listed in Section 5-05.2.  
13

### 14 **2-09.3(2) Classification of Structure Excavation**

15 Item number 1 is revised to read:

- 16  
17 1. **Class A.** Structure excavation required for bridge and retaining wall footings,  
18 geosynthetic retaining wall footings, structural earth walls and sign structure footings,  
19 pile or drilled shaft caps, seals, wingwall footings, detention vaults, and noise barrier  
20 wall footings shall be classified as Structure excavation Class A. If the excavation  
21 requires a cofferdam, structural shoring, or extra excavation, the work outside the neat  
22 lines of the Structure excavation Class A shall be classified as shoring or extra  
23 excavation Class A.  
24

### 25 **2-09.3(3)D Shoring and Cofferdams**

26 The 14th paragraph is revised to read:

27  
28 If soldier piles are placed in drilled holes, and lagging is installed concurrently with the  
29 excavation, all backfill above the bottom of the lagging shall consist of controlled density fill  
30 or lean concrete. Backfill below the bottom of the lagging may consist of pea gravel. If full-  
31 height steel sheet lagging is installed prior to excavation, soldier pile holes may be  
32 backfilled with pea gravel.  
33

### 34 **2-09.4 Measurement**

35 The second sentence in the second paragraph, "**Horizontal Limits**", is supplemented with the  
36 following:

- 37  
38 (4) more than 1-foot outside the perimeter of the soil reinforcement area for geosynthetic  
39 and structural earth walls.  
40

## 41 **SECTION 7-02, CULVERTS**

42 **January 3, 2011**

### 43 **7-02.2 Materials**

44 In the first paragraph, the following three items are inserted after the item "Corrugated  
45 Polyethylene Culvert Pipe 9-05.19":

46  
47 Steel Rib Reinforced Polyethylene Culvert Pipe 9-05.21  
48 High Density Polyethylene (HDPE) Pipe 9-05.23

The third paragraph is revised to read:

Thermoplastic culvert pipe includes solid wall PVC culvert pipe, profile wall PVC culvert pipe, corrugated polyethylene culvert pipe, and polypropylene culvert pipe.

In the '**Culvert Pipe Schedules**' table, the last column is revised to read:

Thermoplastic PE <sup>1</sup> , PVC <sup>2</sup> or PP <sup>3</sup>
PE, PVC, or PP
None

The footnotes below the '**Culvert Pipe Schedules**' table are supplemented with the following:

3 Polypropylene pipe

**7-02.5 Payment**

This section is supplemented with the following:

- "Steel Rib Reinforced Polyethylene Culvert Pipe \_\_\_\_ In. Diam.", per linear foot.
- "High Density Polyethylene (HDPE) Pipe \_\_\_\_ In. Diam.", per linear foot.
- "Polypropylene Culvert Pipe \_\_\_\_ In. Diam.", per linear foot.

**SECTION 8-01, EROSION CONTROL AND WATER POLLUTION CONTROL**  
**January 3, 2011**

**8-01.2 Materials**

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

Corrugated Polyethylene Drain Pipe 9-05.1(6)

**8-01.3(1) General**

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

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

In the seventh paragraph the first two sentences are deleted.

1  
2 The table in the seventh paragraph is revised to read:

3  
4 **Western Washington (West of the Cascade Mountain crest)**

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

7  
8 **Eastern Washington (East of the Cascade Mountain crest.)**

9 April 1 through October 31 17 Acres  
10 November 1 through March 31 5 Acres

11  
12 The eighth paragraph is revised to read:

13  
14 The Engineer may increase or decrease the limits based on project conditions.

15  
16 The ninth paragraph is revised to read:

17  
18 Erodible earth is defined as any surface where soils, grindings, or other materials may be  
19 capable of being displaced and transported by rain, wind, or surface water runoff.

20  
21 The 10th paragraph is revised to read:

22  
23 Erodible earth not being worked, whether at final grade or not, shall be covered within  
24 the specified time period, (see the tables below) using an approved soil covering  
25 practice.

26  
27 **Western Washington (West of the Cascade Mountain crest)**

28 October 1 through April 30 2-days maximum  
29 May 1 to September 30 7-days maximum

30  
31  
32 **Eastern Washington (East of the Cascade Mountain crest.)**

33 October 1 through June 30 5-days maximum  
34 July 1 through September 30 10-days maximum

35  
36 **8-01.3(1)A Submittals**

37 This section is revised to read:

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

48  
49 The Contractor shall allow at least 5-working days for the Engineer to review any original or  
50 revised TESC Plan. Failure to approve all or part of any such Plan shall not make the  
51 Contracting Agency liable to the Contractor for any Work delays.

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

2 In the last paragraph, "Form Number 220-030 EF" is revised to read "WSDOT Form Number  
3 220-030 EF".  
4

5 **8-01.3(1)C Water Management**

6 In number 2., the reference to "Standard Specification" is revised to read "Section".  
7

8 Number 3., is revised to read:  
9

10 3. Offsite Water

11 Prior to disruption of the normal watercourse, the Contractor shall intercept the offsite  
12 stormwater and pipe it either through or around the project site. This water shall not be  
13 combined with onsite stormwater. It shall be discharged at its pre-construction outfall  
14 point in such a manner that there is no increase in erosion below the site. The method  
15 for performing this Work shall be submitted by the Contractor for the Engineer's  
16 approval.  
17

18 **8-01.3(1)D Dispersion/Infiltration**

19 This section is revised to read:  
20

21 Water shall be conveyed only to dispersion or infiltration areas designated in the TESC  
22 Plan or to sites approved by the Engineer. Water shall be conveyed to designated  
23 dispersion areas at a rate such that, when runoff leaves the area, and enters waters of the  
24 State, turbidity standards are achieved. Water shall be conveyed to designated infiltration  
25 areas at a rate that does not produce surface runoff.  
26

27 **8-01.3(2)B Seeding and Fertilizing**

28 The fourth paragraph is revised to read:  
29

30 The seed applied using a hydroseeder shall have a tracer added to visibly aid uniform  
31 application. This tracer shall not be harmful to plant, aquatic or animal life. If HECF Type 3  
32 Mulch is used as a tracer, the application rate shall not exceed 250-pounds per acre.  
33

34 In the fifth paragraph, "hydro seeder" is revised to read "hydroseeder".  
35

36 **8-01.3(2)D Mulching**

37 In the second paragraph, the second sentence is revised to read:  
38

39 Wood strand mulch shall be applied by hand or by straw blower on seeded areas.  
40

41 In the third paragraph, "1" is revised to read "a single" and "hydro seeder" is revised to read  
42 "hydroseeder".  
43

44 The fourth paragraph is revised to read:  
45

46 Temporary seed applied outside the application windows established in 8-01.3(2)F shall be  
47 covered with a mulch containing either HECF Type 2 Mulch or HECF Type 1 Mulch, as  
48 designated by the Engineer.  
49

50 **8-01.3(2)E Tacking Agent and Soil Binders**

51 The following new paragraph is inserted at the beginning of this Section:  
52

1 Tacking agent or soil binders applied using a hydroseeder shall have a mulch tracer  
2 added to visibly aid uniform application. This tracer shall not be harmful to plant,  
3 aquatic or animal life. If HECP Type 3 Mulch is used as a tracer, the application rate  
4 shall not exceed 250-pounds per acre.  
5

6 The third sentence in the first paragraph below "**Soil Binding Using Polyacrylamide (PAM)**" is  
7 revised to read:  
8

9 A minimum of 200-pounds per acre of HECP Type 3 Mulch shall be applied with the  
10 dissolved PAM.  
11

12 In the second paragraph below "**Soil Binding Using Polyacrylamide (PAM)**", "within" is  
13 revised to read "after".  
14

15 The paragraph "**Soil Binding Using Bonded Fiber Matrix (BFM)**" including title is revised to  
16 read:  
17

### 18 **Soil Binding Using HECP Type 2 Mulch**

19 The HECP Type 2 Mulch shall be hydraulically applied in accordance with the  
20 manufacturer's installation instructions. The HECP Type 2 Mulch may require a 24 to 48  
21 hour curing period to achieve maximum performance and shall not be applied when  
22 precipitation is predicted within 24 to 48 hours, or on saturated soils, as determined by the  
23 Engineer.  
24

25 The last paragraph including titled is revised to read:  
26

### 27 **Soil Binding Using HECP Type 1 Mulch**

28 The HECP Type 1 Mulch shall be hydraulically applied in accordance with the  
29 manufacturer's installation instructions and recommendations.  
30

## 31 **8-01.3(2)F Dates for Application of Final Seed, Fertilizer, and Mulch**

32 The first paragraph is revised to read:  
33

34 Unless otherwise approved by the Engineer, the final application of seeding, fertilizing, and  
35 mulching of slopes shall be performed during the following periods:  
36

37 **Western Washington**<sup>1</sup>  
38 (West of the Cascade Mountain crest)  
39 March 1 through May 15  
40 September 1 through October 1  
41

**Eastern Washington**  
(East of the Cascade Mountain crest)  
October 1 through November 15 only

42 <sup>1</sup> Where Contract timing is appropriate, seeding, fertilizing, and mulching shall be  
43 accomplished during the fall period listed above. Written permission to seed after  
44 October 1 will only be given when Physical Completion of the project is imminent and the  
45 environmental conditions are conducive to satisfactory growth.  
46

## 47 **8-01.3(2)G Protection and Care of Seeded Areas**

48 The first paragraph is revised to read:  
49

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

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

- 3  
4 1. At the Contractor's expense, seed, fertilizer and mulch shall be reapplied in areas that  
5 have been damaged through any cause prior to final inspection, and reapplied to areas  
6 that have failed to receive a uniform application at the specified rate.  
7

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

9 The first sentence is revised to read:

10  
11 Inspection of seeded areas will be made upon completion of seeding, temporary seeding,  
12 fertilizing, and mulching.  
13

14 The third sentence is revised to read:

15  
16 Areas that have not received a uniform application of seed, fertilizer, or mulch at the  
17 specified rate, as determined by the Engineer, shall be reseeded, refertilized, or remulched  
18 at the Contractor's expense prior to payment.  
19

### 20 **8-01.3(2)I Mowing**

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

22  
23 Trimming around traffic facilities, Structures, planting areas, or other features extending  
24 above ground shall be accomplished preceding or simultaneously with each mowing.  
25

### 26 **8-01.3(3) Placing Erosion Control Blanket**

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

28  
29 The second sentence is revised to read:

30  
31 Temporary erosion control blankets, having an open area of 60-percent or greater, may be  
32 installed prior to seeding.  
33

### 34 **8-01.3(4) Placing Compost Blanket**

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

36  
37 The last sentence is revised to read:

38  
39 Compost shall be Coarse Compost.  
40

### 41 **8-01.3(5) Placing Plastic Covering**

42 The first sentence is revised to read:

43  
44 Plastic shall be placed with at least a 12-inch overlap of all seams.  
45

### 46 **8-01.3(6)A Geotextile-Encased Check Dam**

47 The first paragraph is deleted.

### 48 49 **8-01.3(6)B Rock Check Dam**

50 This section including title is revised to read:

### 51 52 **8-01.3(6)B Quarry Spall Check Dam**

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

1  
2 **8-01.3(6)D Wattle Check Dam**

3 This section is revised to read:  
4

5 Wattle check dams shall be installed in accordance with the Plans.  
6

7 **8-01.3(6)E Coir Log**

8 This section is revised to read:  
9

10 Coir logs shall be installed in accordance with the Plans.  
11

12 **8-01.3(9)A Silt Fence**

13 In the second paragraph, the second sentence is revised to read:  
14

15 The strength of the wire or plastic mesh shall be equivalent to or greater than what is  
16 required in Section 9-33.2(1), Table 6 for unsupported geotextile (i.e., 180 lbs. grab tensile  
17 strength in the machine direction).  
18

19 **8-01.3(9)B Gravel Filter, Wood Chip or Compost Berm**

20 In the second paragraph, the last sentence is deleted.  
21

22 The third paragraph is revised to read:  
23

24 The Compost Berm shall be constructed in accordance with the detail in the Plans.  
25 Compost shall be Coarse Compost.  
26

27 **8-01.3(9)C Straw Bale Barrier**

28 This section is revised to read:  
29

30 Straw Bale Barriers shall be installed in accordance with the Plans.  
31

32 **8-01.3(9)D Inlet Protection**

33 The first three paragraphs are revised to read:  
34

35 Inlet protection shall be installed below or above, or as a prefabricated cover at each inlet  
36 grate, as shown in the Plans. Inlet protection devices shall be installed prior to beginning  
37 clearing, grubbing, or earthwork activities.  
38

39 Geotextile fabric in all prefabricated inlet protection devices shall meet or exceed the  
40 requirements of Section 9-33.2, Table 1 for Moderate Survivability, and the minimum  
41 filtration properties of Table 2.  
42

43 When the depth of accumulated sediment and debris reaches approximately  $\frac{1}{2}$  the height  
44 of an internal device or  $\frac{1}{3}$  the height of the external device (or less when so specified by the  
45 manufacturers) or as designated by the Engineer, the deposits shall be removed and  
46 stabilized on site in accordance with Section 8-01.3(16).  
47

48 **8-01.3(10) Wattles**

49 In the first paragraph, the third sentence is revised to read:  
50

51 Excavated material shall be spread evenly along the uphill slope and be compacted using  
52 hand tamping or other method approved by the Engineer.  
53

1 This section is supplemented with the following new paragraph:

2  
3 The Contractor shall exercise care when installing wattles to ensure that the method of  
4 installation minimizes disturbance of waterways and prevents sediment or pollutant  
5 discharge into waterbodies.  
6

### 7 **8-01.3(12) Compost Sock**

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

10  
11 In the second paragraph "bank" is revised to read "slope".

12  
13 In the third paragraph "and" is revised to read "or".

14  
15 This section is supplemented with the following new paragraph:

16  
17 Compost for Compost Socks shall be Coarse Compost.

### 18 19 **8-01.3(14) Temporary Pipe Slope Drain**

20 The first paragraph is revised to read:

21  
22 Temporary pipe slope drain shall be Corrugated Polyethylene Drain Pipe and shall be  
23 constructed in accordance with the Plans

24  
25 The last paragraph is revised to read:

26  
27 Placement of outflow of the pipe shall not pond water on road surface.  
28

### 29 **8-01.3(15) Maintenance**

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

31  
32 Clean sediments may be stabilized on site using approved BMPs as approved by the  
33 Engineer.  
34

### 35 **8-01.3(16) Removal**

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

37  
38 This may include, but is not limited to, ripping the soil, incorporating soil amendments, and  
39 seeding with the specified seed.  
40

### 41 **8-01.4 Measurement**

42 The eighth paragraph is revised to read:

43  
44 Silt fence, gravel filter, compost berms, and wood chip berms will be measured by the linear  
45 foot along the ground line of completed barrier.  
46

### 47 **8-01.5 Payment**

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

49  
50 "Inlet Protection", per each.

51  
52 "Gravel Filter Berm", per linear foot.  
53

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

2  
3 The unit Contract price per linear foot for "Check Dam" and "Gravel Filter Berm" and per  
4 each for "Inlet Protection" shall be full pay for all equipment, labor and materials to perform  
5 the Work as specified, including installation, removal and disposal at an approved disposal  
6 site.

7  
8 The paragraph after the bid item "Temporary Curb" is revised to read:

9  
10 The unit Contract price per linear foot for temporary curb shall include all costs to install,  
11 maintain, remove, and dispose of the temporary curb.

12  
13 The following bid item is inserted after the bid item "Mulching with Pam":

14  
15 "Mulching with HECP Type 3 Mulch", per acre.

16  
17 The bid item "Mulching with BFM" is revised to read:

18  
19 "Mulching with HECP Type 2 Mulch"

20  
21 The bid item "Mulching with MBFM/FRM" is revised to read:

22  
23 "Mulching with HECP Type 1 Mulch"

24  
25 **SECTION 8-10, GUIDE POSTS**

26 **August 2, 2010**

27 **8-10.3 Construction Requirements**

28 The second paragraph is supplemented with the following:

29  
30 When guide posts are placed on new cement concrete pavement, any curing compound  
31 shall be removed. All liquid membrane-forming compounds shall be removed from the  
32 Portland cement concrete pavement to which guide post are to be bonded, Curing  
33 compound removal shall not be started until the pavement has attained sufficient flexural  
34 strength for traffic to be allowed on it. The Contractor shall submit a proposed removal  
35 method to the Project Engineer and shall not begin the removal process until the Project  
36 Engineer has approved the removal method. The final guide post lengths will be  
37 determined or verified by the Engineer at the request of the Contractor.

38  
39 **SECTION 8-11, GUARDRAIL**

40 **August 2, 2010**

41 **8-11.3(1)A Erection of Posts**

42 The second paragraph is supplemented with the following sentence:

43  
44 New installations of guardrail shall have steel posts or as otherwise shown in the Plans.

45  
46 **8-11.3(1)D Terminal and Anchor Installation**

47 The fifth paragraph is supplemented with the following sentence:

48  
49 For new terminal installations steel posts shall be used unless shown otherwise in the  
50 Plans.

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**SECTION 8-15, RIPRAP**  
**January 4, 2010**

**8-15.2 Materials**

The referenced sections for the following items are revised to read:

Heavy Loose Riprap	9-13
Light Loose Riprap	9-13
Hand Placed Riprap	9-13
Sack Riprap	9-13
Quarry Spalls	9-13

**SECTION 8-21, PERMANENT SIGNING**  
**January 3, 2011**

**8-21.3(4) Sign Removal**

In the fourth paragraph, the following sentence is inserted after the second sentence:

Where signs are removed from existing overhead sign Structures, the existing vertical sign support braces shall also be removed.

In the fourth paragraph, the third sentence is revised to read:

Aluminum signs, wood signs, wood sign posts, wood structures, metal sign posts, wind beams, and other metal structural members, and all existing fastening hardware connecting such members being removed, shall become the property of the Contractor and shall be removed from the project.

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

In the ninth paragraph, the following new statement is inserted as number 1. Existing numbers 1 through 6 of the ninth paragraph shall be renumbered to 2 through 7.

1. Foundation excavations shall conform to the requirements of Section 2-09.3(3).

In the tenth paragraph, item number 2 is revised to read:

2. Steel reinforcement, including spiral reinforcing, shall conform to Section 9-07.2.

**8-21.3(9)G Identification Plates**

This section including title is revised to read:

**8-21.3(9)G Sign Structure Identification Information**

Whenever existing bridge mounted sign brackets, cantilever sign structures, or sign bridge structures are removed from their anchorage, whether temporary or permanent, the Contractor shall provide the sign structure identification information, attached to the sign structures, to the Engineer. The identification information may be in the form of a riveted plate, sticker, or other means.

1 **SECTION 8-22, PAVEMENT MARKING**  
2 **August 2, 2010**

3 **8-22.1 Description**

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

5  
6 Traffic letters used in word messages shall be sized as shown in the Plans.  
7

8 **8-22.4 Measurement**

9 In the sixth paragraph "Painted Line" is revised to read "Paint Line".  
10

11 **SECTION 9-01, PORTLAND CEMENT**  
12 **April 5, 2010**

13 **9-01.2(1) Portland Cement**

14 In the first paragraph, all the text after "shall not exceed 8-percent by weight" is deleted and the  
15 paragraph ends.

16  
17 In the second paragraph, "per" is revised to read "in accordance with".  
18

19 **SECTION 9-03, AGGREGATES**  
20 **August 2, 2010**

21 In this Division, all references to "AASHTO TP 61" are revised to read "AASHTO T 335".  
22

23 **9-03.11(2) Streambed Cobbles**

24 The first paragraph is revised to read:  
25

26 Streambed cobbles shall be clean, naturally occurring water rounded gravel material.  
27 Streambed cobbles shall have a well graded distribution of cobble sizes and conform to  
28 one or more of the following gradings as shown in the Plans:  
29

Percent Passing					
Approximate Size <sup>Note 1</sup>	4" Cobbles	6" Cobbles	8" Cobbles	10" Cobbles	12" Cobbles
12"					100
10"				100	70-90
8"			100	70-90	
6"		100	70-90		
5"		70-90			30-60.
4"	100			30-60.	
3"	70-90		30-60.		
2"		30-60.			
1½"	20-50				

3/4"	10 max.				
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1  
2 In the second paragraph, "determine" is revised to read "determined".  
3

4 **SECTION 9-05, DRAINAGE STRUCTURES, CULVERTS, AND CONDUITS**  
5 **January 3, 2011**

6 **9-05.2(8) Perforated Corrugated Polyethylene Underdrain Pipe (12-inch through**  
7 **60-inch)**

8 This section including title is revised to read:  
9

10 **9-05.2(8) Perforated Corrugated Polyethylene Underdrain Pipe, Couplings**  
11 **and Fittings (12-inch through 60-inch)**

12 Perforated corrugated polyethylene underdrain pipe, couplings and fittings, 12-inch through  
13 60-inch diameter maximum, shall meet the requirements of AASHTO M 294 Type CP or  
14 Type SP. Type CP shall be Type C pipe with Class 2 perforations and Type SP shall be  
15 Type S pipe with either Class 1 or Class 2 perforations. Additionally, Class 2 perforations  
16 shall be uniformly spaced along the length and circumference of the pipe.  
17

18 **9-05.12(2) Profile Wall PVC Culvert Pipe, Profile Wall PVC Storm Sewer Pipe, and**  
19 **Profile Wall PVC Sanitary Sewer Pipe**

20 In the fourth paragraph, the word "producer's" is revised to read "Manufacturer's".  
21

22 **9-05.13 Ductile Iron Sewer Pipe**

23 The second and third paragraphs are revised to read:  
24

25 Ductile iron pipe shall conform to ANSI A 21.51 or AWWA C151 and shall be cement mortar  
26 lined and have a 1- mil seal coat per AWWA C104, or a Ceramic Filled Amine cured  
27 Novalac Epoxy lining, as indicated on the Plans or in the Special Provisions. The ductile  
28 iron pipe shall be Special Thickness Class 50, Minimum Pressure Class 350, or the Class  
29 indicated on the Plans or in the Special Provisions.  
30

31 Nonrestrained joints shall be either rubber gasket type, push on type, or mechanical type  
32 meeting the requirements of AWWA C111.  
33

34 **9-05.19 Corrugated Polyethylene Culvert Pipe**

35 This sections title is revised to read:  
36

37 **9-05.19 Corrugated Polyethylene Culvert Pipe, Couplings, and Fittings**

38  
39 The first paragraph is revised to read:  
40

41 Corrugated polyethylene culvert pipe, couplings, and fittings, shall meet the requirements of  
42 AASHTO M 294 Type S or D for pipe 12-inch to 60-inch diameter with silt-tight joints.  
43

44 **9-05.20 Corrugated Polyethylene Storm Sewer Pipe**

45 This sections title is revised to read:  
46

47 **9-05.20 Corrugated Polyethylene Storm Sewer Pipe, Couplings, and Fittings**

48  
49 In the first paragraph, the first sentence is revised to read:

1  
2 Corrugated polyethylene storm sewer pipe, couplings, and fittings shall meet the  
3 requirements of AASHTO M 294 Type S or D.  
4

5 Section 9-05 is supplemented with the following new sub-sections:  
6

7 **9-05.21 Steel Rib Reinforced Polyethylene Culvert Pipe**

8 Steel rib reinforced polyethylene culvert pipe shall meet the requirements of ASTM F2562  
9 Class 1 for steel reinforced thermoplastic ribbed pipe and fittings for pipe 24-inch to 60-inch  
10 diameter with silt-tight joints.  
11

12 Silt-tight joints for steel reinforced polyethylene culvert pipe shall be made with a bell/bell or  
13 bell and spigot coupling and incorporate the use of a gasket conforming to the  
14 requirements of ASTM F 477. All gaskets shall be installed on the pipe by the manufacturer.  
15

16 Qualification for each manufacturer of steel reinforced polyethylene culvert pipe requires an  
17 approved joint system and a formal quality control plan for each plant proposed for  
18 consideration.  
19

20 A Manufacturer's Certificate of Compliance shall be required and shall accompany the  
21 materials delivered to the project. The certificate shall clearly identify production lots for all  
22 materials represented. The Contracting Agency may conduct verification tests of pipe  
23 stiffness or other properties as it deems appropriate.  
24

25 **9-05.22 Steel Rib Reinforced Polyethylene Storm Sewer Pipe**

26 Steel rib reinforced polyethylene storm sewer pipe shall meet the requirements of ASTM  
27 F2562 Class 1 for steel reinforced thermoplastic ribbed pipe and fittings. The maximum  
28 diameter for steel reinforced polyethylene storm sewer pipe shall be the diameter for which  
29 a manufacturer has submitted a qualified joint. Qualified manufacturers and approved joints  
30 are listed in the Qualified Products Lists. Fittings shall be rotationally molded, injection  
31 molded, or factory welded.  
32

33 All joints for steel reinforced polyethylene storm sewer pipe shall be made with a bell and  
34 spigot coupling and conform to ASTM D 3212 using elastomeric gaskets conforming to  
35 ASTM F 477. All gaskets shall be installed on the pipe by the manufacturer.  
36

37 Qualification for each manufacturer of steel reinforced polyethylene storm sewer pipe  
38 requires joint system conformance to ASTM D 3212 using elastomeric gaskets conforming  
39 to ASTM F 477 and a formal quality control plan for each plant proposed for consideration.  
40

41 A Manufacturer's Certificate of Compliance shall be required and shall accompany the  
42 materials delivered to the project. The certificate shall clearly identify production lots for all  
43 materials represented. The Contracting Agency may conduct verification tests of pipe  
44 stiffness or other properties as it deems appropriate.  
45

46 **9-05.23 High Density Polyethylene (HDPE) Pipe**

47 HDPE pipe shall be manufactured from resins meeting the requirements of ASTM D3350  
48 with a cell classification of 345464C and a Plastic Pipe Institute (PPI) designation of PE  
49 3408.  
50

51 The pipes shall have a minimum standard dimension ratio (SDR) of 32.5.  
52

53 HDPE pipe shall be joined into a continuous length by an approved joining method.  
54

1 The joints shall not create an increase in the outside diameter of the pipe. The joints shall  
2 be fused, snap together or threaded. The joints shall be water tight, rubber gasketed if  
3 applicable, and pressure testable to the requirements of ASTM D 3212.  
4

5 Joints to be welded by butt fusion, shall meet the requirements of ASTM F 2620 and the  
6 manufacturer's recommendations. Fusion equipment used in the joining procedure shall be  
7 capable of meeting all conditions recommended by the pipe manufacturer, including but not  
8 limited to fusion temperature, alignment, and fusion pressure. All field welds shall be made  
9 with fusion equipment equipped with a Data Logger. Temperature, fusion pressure and a  
10 graphic representation of the fusion cycle shall be part of the Quality Control records.  
11 Electro fusion may be used for field closures as necessary. Joint strength shall be equal or  
12 greater than the tensile strength of the pipe.  
13

14 Fittings shall be manufactured from the same resins and Cell Classification as the pipe  
15 unless specified otherwise in the Plans or Specifications. Butt fusion fittings and Flanged  
16 or Mechanical joint adapters shall have a manufacturing standard of ASTM D3261. Electro  
17 fusion fittings shall have a manufacturing standard of ASTM F1055.  
18

19 HDPE pipe to be used as liner pipe shall meet the requirements of AASHTO M 326 and this  
20 specification.  
21

22 The supplier shall furnish a Manufacturer's Certification of Compliance stating the materials  
23 meet the requirements of ASTM D 3350 with the correct cell classification with the physical  
24 properties listed above. The supplier shall certify the dimensions meet the requirements of  
25 ASTM F 714 or as indicated in this Specification or the Plans.  
26

27 At the time of manufacture, each lot of pipe, liner, and fittings shall be inspected for defects  
28 and tested for Elevated Temperature Sustain Pressure in accordance with ASTM F 714.  
29 The Contractor shall not install any pipe that is more than 2 years old from the date of  
30 manufacture.  
31

32 At the time of delivery, the pipe shall be homogeneous throughout, uniform in color, free of  
33 cracks, holes, foreign materials, blisters, or deleterious faults.  
34

35 Pipe shall be marked at 5 foot intervals or less with a coded number which identifies the  
36 manufacturer, SDR, size, material, machine, and date on which the pipe was  
37 manufactured.  
38

39 **9-05.24 Polypropylene Culvert Pipe, Polypropylene Storm Sewer Pipe, and**  
40 **Polypropylene Sanitary Sewer Pipe**

41 Polypropylene Culvert Pipe, Polypropylene Storm Sewer Pipe and Polypropylene Sanitary  
42 Sewer pipe shall conform to the following requirements:  
43

- 44 1. For pipe sizes up to 30 inches: ASTM F2736.
- 45 2. For pipe sizes from 30 to 60 inches: ASTM F2764.
- 46 3. Fittings shall be factory welded, injection molded or PVC.  
47

48 All joints for corrugated polypropylene pipe shall be made with a bell/bell or bell and spigot  
49 coupling and shall conform to ASTM D3212 using elastomeric gaskets conforming to ASTM  
50 F477. All gaskets shall be factory installed on the pipe in accordance with the producer's  
51 recommendations.

1  
2 Qualification for each producer of corrugated polypropylene storm sewer pipe requires joint  
3 system conformance to ASTM D3212 using elastomeric gaskets conforming to ASTM F477  
4 and a formal quality control plan for each plant proposed for consideration.  
5

6 A Manufacturer's Certificate of Compliance shall be required and shall accompany the  
7 materials delivered to the project. The certificate shall clearly identify production lots for all  
8 materials represented. The Contracting Agency may conduct verification tests of pipe  
9 stiffness or other properties deems appropriate.  
10

## 11 **SECTION 9-14, EROSION CONTROL AND ROADSIDE PLANTING** 12 **August 2, 2010**

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

### 15 **9-14.1 Soil** 16

#### 17 **9-14.1(1) Topsoil Type A**

18 Topsoil Type A shall be as specified in the Special Provisions.  
19

#### 20 **9-14.1(2) Topsoil Type B**

21 Topsoil Type B shall be native topsoil taken from within the project limits either from the  
22 area where roadway excavation is to be performed or from strippings from borrow, pit, or  
23 quarry sites, or from other designated sources. The general limits of the material to be  
24 utilized for topsoil will be indicated in the Plans or in the Special Provisions. The Engineer  
25 will make the final determination of the areas where the most suitable material exists within  
26 these general limits. The Contractor shall reserve this material for the specified use.  
27 Material for Topsoil Type B shall not be taken from a depth greater than 1 foot from the  
28 existing ground unless otherwise designated by the Engineer.  
29

30 In the production of Topsoil Type B, all vegetative matter less than 4 feet in height, shall  
31 become a part of the topsoil. Prior to topsoil removal, the Contractor shall reduce the native  
32 vegetation to a height not exceeding 1 foot. Noxious weeds, as designated by authorized  
33 State and County officials, shall not be incorporated in the topsoil, and shall be removed  
34 and disposed of as designated elsewhere or as approved by the Engineer.  
35

#### 36 **9-14.1(3) Topsoil Type C**

37 Topsoil Type C shall be native topsoil meeting the requirements of Topsoil Type B but  
38 obtained from a source provided by the Contractor outside of the Contracting Agency  
39 owned right of way.  
40

### 41 **9-14.2 Seed**

42 Grasses, legumes, or cover crop seed of the type specified shall conform to the standards  
43 for "Certified" grade seed or better as outlined by the State of Washington Department of  
44 Agriculture "Rules for Seed Certification," latest edition. Seed shall be furnished in standard  
45 containers on which shall be shown the following information:  
46

- 47 1. Common and botanical names of seed
- 48 2. Lot number
- 49 3. Net weight
- 50 4. Pure live seed
- 51

1 All seed vendors must have a business license issued by the Washington State  
2 Department of Licensing with a "seed dealer" endorsement. Upon request, the Contractor  
3 shall furnish the Engineer with copies of the applicable licenses and endorsements.  
4

5 Upon request, the Contractor shall furnish to the Engineer duplicate copies of a statement  
6 signed by the vendor certifying that each lot of seed has been tested by a recognized seed  
7 testing laboratory within six months before the date of delivery on the project. Seed which  
8 has become wet, moldy, or otherwise damaged in transit or storage will not be accepted.  
9

### 10 **9-14.3 Fertilizer**

11 Fertilizer shall be a standard commercial grade of organic or inorganic fertilizer of the kind  
12 and quality specified. It may be separate or in a mixture containing the percentage of total  
13 nitrogen, available phosphoric acid, water-soluble potash, or sulfur in the amounts  
14 specified. All fertilizers shall be furnished in standard unopened containers with weight,  
15 name of plant nutrients, and manufacturer's guaranteed statement of analysis clearly  
16 marked, all in accordance with State and Federal laws.  
17

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

- 19 1 A dry free-flowing granular fertilizer, suitable for application by agricultural fertilizer  
20 spreader.
- 21 2 A soluble form that will permit complete suspension of insoluble particles in water,  
22 suitable for application by power sprayer.
- 23 3 A homogeneous pellet, suitable for application through a ferti-blast gun.
- 24 4 A tablet or other form of controlled release with a minimum of a six month release  
25 period.
- 26 5 A liquid suitable for application by a power sprayer or hydroseeder.  
27  
28  
29  
30  
31  
32

### 33 **9-14.4 Mulch and Amendments**

34 All amendments shall be delivered to the site in the original, unopened containers bearing  
35 the manufacturer's guaranteed chemical analysis and name. In lieu of containers,  
36 amendments may be furnished in bulk. A manufacturer's certificate of compliance shall  
37 accompany each delivery. Compost and other organic amendments shall be accompanied  
38 with all applicable health certificates and permits.  
39

#### 40 **9-14.4(1) Straw**

41 Straw shall be in an air dried condition free of noxious weeds, seeds, and other materials  
42 detrimental to plant life. Hay is not acceptable.  
43

44 All straw material shall be Certified Weed Free Straw using North American Weed  
45 Management Association (NAWMA) standards or the Washington Wilderness Hay and  
46 Mulch (WWHAM) program run by the Washington State Noxious Weed Control Board.  
47 Information can be found at <http://www.nwcb.wa.gov/http://www.nwcb.wa.gov/>  
48

49 In lieu of Certified Weed Free Straw, the Contractor shall provide documentation that the  
50 material is steam or heat treated to kill seeds, or shall provide U.S., Washington, or other  
51 State's Department of Agriculture laboratory test reports, dated within 90 days prior to the  
52 date of application, showing there are no viable seeds in the straw.  
53

54 Straw mulch shall be suitable for spreading with mulch blower equipment.

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

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

The HECP shall be suitable for spreading with a hydroseeder.

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

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

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	HECP Type 1
		HECP Type 2
		HECP Type 3
		420 percent minimum
		400 percent minimum
		200 percent minimum

1  
2  
3 If the HECF contains cotton or straw, the Contractor shall provide documentation that the  
4 material has been steam or heat treated to kill seeds, or shall provide U.S., Washington, or  
5 other State's Department of Agriculture laboratory test reports, dated within 90 days prior to  
6 the date of application, showing there are no viable seeds in the mulch.  
7

8 The HECF shall be manufactured in such a manner that when agitated in slurry tanks with  
9 water, the fibers will become uniformly suspended, without clumping, to form a  
10 homogeneous slurry. When hydraulically applied, the material shall form a strong moisture-  
11 holding mat that allows the continuous absorption and infiltration of water.  
12

13 The HECF shall contain a dye to facilitate placement and inspection of the material. Dye  
14 shall be non-toxic to plants, animals, and aquatic life and shall not stain concrete or painted  
15 surfaces.  
16

17 The HECF shall be furnished with a Material Safety Data Sheet (MSDS) that demonstrates  
18 that the product is not harmful to plants, animals, and aquatic life.  
19

20 **9-14.4(2)A HECF Type 1 Mulch**

21 HECF Type 1 Mulch shall demonstrate the ability to adhere to the soil and create a blanket-  
22 like mass within two hours of application and shall bond with the soil surface to create a  
23 continuous, porous, absorbent, and flexible erosion resistant blanket that allows for seed  
24 germination and plant growth and conforms to the requirements in Table <sup>1</sup> HECF Type 1  
25 Mulch Test Requirements.  
26

27 The Contractor shall provide test results documenting the mulch meets the requirements in  
28 Table <sup>1</sup> HECF Type 1 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 <sup>1</sup> HECF Type 1 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)

43 **9-14.4(2)B HECF Type 2 Mulch**

44 Within 48 hours of application, the HECF Type 2 Mulch shall bond with the soil surface to  
45 create a continuous, absorbent, flexible erosion resistant blanket that allows for seed  
46

1 germination and plant growth and conform to the requirements in Table <sup>2</sup> HEC P Type 2  
2 Mulch Test Requirements.

3  
4 The Contractor shall provide test results documenting the mulch meets the requirements in  
5 Table <sup>2</sup> HEC P Type 2 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 <sup>2</sup> HEC P Type 2 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 = 0.05 maximum using Revised Universal Soil Loss Equation (RUSLE)

20  
21 **9-14.4(2)C HEC P Type 3 Mulch**

22 The Contractor shall provide test results documenting the mulch meets the requirements in  
23 Table <sup>3</sup> HEC P Type 3 Mulch Test Requirements.

24  
25 Prior to January 1, 2012, the Contractor shall supply independent ASTM D 6459 test results  
26 from one of the following testing facilities:

- 27  
28 National Transportation Product Evaluation Program (NTPEP)  
29 Utah State University's Utah Water Research Laboratory  
30 Texas Transportation Institute  
31 San Diego State University's Soil Erosion Research Laboratory  
32 TRI Environmental, Inc  
33

34 Effective January 1, 2012, the Contractor shall supply independent test results from the  
35 National Transportation Product Evaluation Program (NTPEP).  
36  
37

**Table <sup>3</sup> HEC P Type 3 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)

1 **9-14.4(3) Bark or Wood Chips**

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

5  
6 Bark or wood chips, when tested, shall be according to WSDOT Test Method T 123 prior to  
7 placement and shall meet the following loose volume gradation:  
8

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

9  
10 **9-14.4(4) Wood Strand Mulch**

11 Wood strand mulch shall be a blend of angular, loose, long, thin wood pieces that are  
12 frayed, with a high length-to-width ratio and shall be derived from native conifer or  
13 deciduous trees. A minimum of 95 percent of the wood strand shall have lengths between  
14 2 and 10 inches. At least 50 percent of the length of each strand shall have a width and  
15 thickness between 1/16 and 1/2 inch. No single strand shall have a width or thickness  
16 greater than 1/2 inch.

17  
18 The mulch shall not contain salt, preservatives, glue, resin, tannin, or other compounds in  
19 quantities that would be detrimental to plant life. Sawdust or wood chips or shavings will not  
20 be acceptable. Products shall be tested according to WSDOT Test Method 125 prior to  
21 acceptance.  
22

23 **9-14.4(5) Lime**

24 Agriculture lime shall be of standard manufacture, flour grade or in pelletized form, meeting  
25 the requirements of ASTM C 602.  
26

27 **9-14.4(6) Gypsum**

28 Gypsum shall consist of Calcium Sulfate (CaSO4 2H2O) in a pelletized or granular form.  
29 100 percent shall pass through a No. 8 sieve.  
30

31 **9-14.4(7) Tackifier**

32 Tackifiers are used as a tie-down for soil, compost, seed, and/or mulch. Tackifier shall  
33 contain no growth or germination inhibiting materials, and shall not reduce infiltration rates.  
34 Tackifier shall hydrate in water and readily blend with other slurry materials and conform to  
35 the requirements in Table 4 Tackifier Test Requirements.  
36

37 The Contractor shall provide test results documenting the tackifier meets the requirements  
38 in Table 4 Tackifier Test Requirements.  
39

40 Before January 1, 2012, the Contractor shall supply independent ASTM D 6459 test results  
41 from one of the following testing facilities:  
42

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

1 Effective January 1, 2012, the Contractor shall supply independent test results from the  
 2 National Transportation Product Evaluation Program (NTPEP).  
 3  
 4

**Table 4 Tackifier Test Requirements**

Properties	Test Method	Requirements
Heavy Metals Solvents Acute Toxicity	Test at manufacturer's recommended application rate	See Table in Section 9-14.4(2)
Performance in Protecting Slopes from Rainfall-Induced Erosion	Modified ASTM D 6459 on 3(H):1(V) slope with 2 inches of rainfall evenly distributed over a period of 100 minutes. 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)

5  
 6 **9-14.4(7)A Organic Tackifier**

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

10  
 11 **9-14.4(7)B Synthetic Tackifier**

12 Synthetic tackifier shall have an MSDS that demonstrates to the satisfaction of the  
 13 Engineer that the product is not harmful to plants, animals, and aquatic life.  
 14

15 **9-14.4(8) Compost**

16 Compost products shall be the result of the biological degradation and transformation of  
 17 plant-derived materials under controlled conditions designed to promote aerobic  
 18 decomposition. Compost shall be stable with regard to oxygen consumption and carbon  
 19 dioxide generation. Compost shall be mature with regard to its suitability for serving as a  
 20 soil amendment or an erosion control BMP as defined below. The compost shall have a  
 21 moisture content that has no visible free water or dust produced when handling the  
 22 material.

23  
 24 Compost production and quality shall comply with Chapter 173-350 WAC.

25  
 26 Compost products shall meet the following physical criteria:

- 27  
 28 1. Compost material shall be tested in accordance with U.S. Composting Council Testing  
 29 Methods for the Examination of Compost and Composting (TMECC) 02.02-B, "Sample  
 30 Sieving for Aggregate Size Classification".  
 31

32 Fine compost shall meet the following gradation:  
 33

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

34 Maximum particle length of 6 inches.

1  
2 Medium compost shall meet the following gradation:  
3

Sieve Size	Percent Passing	
	Minimum	Maximum
2"	100	
1"	95	100
5/8"	90	100
1/4"	75	85

4 Maximum particle length of 6 inches.  
5

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

10  
11 Coarse compost shall meet the following gradation:  
12

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

13 Maximum particle length of 6 inches.  
14

- 15 2. The pH shall be between 6.0 and 8.5 when tested in accordance with U.S. Composting  
16 Council TMECC 04.11-A, "1:5 Slurry pH".  
17
- 18 3. Manufactured inert material (plastic, concrete, ceramics, metal, etc.) shall be less than  
19 1.0 percent by weight as determined by U.S. Composting Council TMECC 03.08-A  
20 "Classification of Inerts by Sieve Size".  
21
- 22 4. Minimum organic matter shall be 40 percent by dry weight basis as determined by U.S.  
23 Composting Council TMECC 05.07A "Loss-On-Ignition Organic Matter Method (LOI)".  
24
- 25 5. Soluble salt contents shall be less than 4.0 mmhos/cm when tested in accordance with  
26 U.S. Composting Council TMECC 04.10 "Electrical Conductivity".  
27
- 28 6. Maturity shall be greater than 80 percent in accordance with U.S. Composting Council  
29 TMECC 05.05-A, "Germination and Root Elongation".  
30
- 31 7. Stability shall be 7 mg CO<sub>2</sub>-C/g OM/day or below in accordance with U.S. Composting  
32 Council TMECC 05.08-B "Carbon Dioxide Evolution Rate".  
33
- 34 8. The compost product shall originate a minimum of 65 percent by volume from recycled  
35 plant waste as defined in WAC 173-350 as "Type 1 Feedstocks." A maximum of 35  
36 percent by volume of "Type 2 Feedstocks," source-separated food waste, and/or  
37 biosolids may be substituted for recycled plant waste. The Contractor shall provide a  
38 list of feedstock sources by percentage in the final compost product.  
39
- 40 9. The Engineer may evaluate compost for maturity using U.S. Composting Council  
41 TMECC 05.08-E "Solvita® Maturity Index". Fine compost shall score a number 6 or

1 above on the Solvita® Compost Maturity Test. Coarse compost shall score a 5 or  
2 above on the Solvita® Compost Maturity Test.  
3

#### 4 **9-14.4(8)A Compost Submittal Requirements**

5 The Contractor shall submit the following information to the Engineer for approval:  
6

- 7 1. The Qualified Products List printed page or a Request for Approval of  
8 Material(DOT Form 350-071EF).  
9
- 10 2. A copy of the Solid Waste Handling Permit issued to the manufacturer by the  
11 Jurisdictional Health Department in accordance with WAC 173-350 (Minimum  
12 Functional Standards for Solid Waste Handling).  
13
- 14 3. The Contractor shall verify in writing, and provide lab analyses, that the material  
15 complies with the processes, testing, and standards specified in WAC 173-350  
16 and these Specifications. An independent Seal of Testing Assurance (STA)  
17 Program certified laboratory shall perform the analysis.  
18
- 19 4. A copy of the manufacturer's Seal of Testing Assurance (STA) certification as  
20 issued by the U.S. Composting Council.  
21

#### 22 **9-14.4(8)B Compost Acceptance**

23 Fourteen days prior to application, the Contractor shall submit a sample of the compost  
24 approved for use, and a STA test report dated within 90 calendar days of the application,  
25 and the list of feed stocks by volume for each compost type to the Engineer for review.  
26

27 The Contractor shall use only compost that has been tested within 90 calendar days of  
28 application and meets the requirements in Section 9-14.4(8). Compost not conforming to  
29 the above requirements or taken from a source other than those tested and accepted shall  
30 not be used.  
31

#### 32 **9-14.4(9) Vacant**

#### 33 **9-14.4(10) Vacant**

#### 34 **9-14.5 Erosion Control Devices**

##### 35 **9-14.5(1) Polyacrylamide (PAM)**

36 Polyacrylamide (PAM) products shall meet ANSI/NSF Standard 60 for drinking water  
37 treatment with an AMD content not to exceed 0.05 percent. PAM shall be anionic, linear,  
38 and not cross-linked. The minimum average molecular weight shall be greater than 5  
39 mg/mole and minimum 30 percent charge density. The product shall contain at least 80  
40 percent active ingredients and have a moisture content not exceeding 10 percent by  
41 weight. PAM shall be delivered in a dry granular or powder form.  
42  
43  
44  
45

##### 46 **9-14.5(2) Erosion Control Blanket**

47 Temporary erosion control blanket shall be made of natural plant fibers. The Contractor  
48 shall supply independent test results from the National Transportation Product Evaluation  
49 Program (NTPEP) meeting the requirements in the following table:  
50

Properties	ASTM Test Method	Requirements
Protecting Slopes from Rainfall-	D 6459 - Test in one soil type. Soil tested shall be	Maximum C factor of 0.15 using Revised

Induced Erosion	sandy loam as defined by the NRCS Soil Texture Triangle	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

Netting, if present, shall be biodegradable with a life span not to exceed one year.

Permanent erosion control blanket shall meet the following requirements.

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 6475	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 Enhancement	D 7322	200 percent minimum

#### 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.

1 The foam core shall be a minimum of 8 inches in height, and have a minimum base width  
2 of 16 inches. The geotextile material shall overhang the foam by at least 6 inches at each  
3 end, and shall have apron type flaps that extend a minimum of 24 inches on each side of  
4 the check dam. The geotextile material shall meet the requirements in Section 9-33.  
5

#### 6 **9-14.5(5) Wattles**

7 Wattles shall consist of cylinders of biodegradable plant material such as weed-free straw,  
8 coir, compost, wood chips, excelsior, or wood fiber or shavings encased within  
9 biodegradable netting. Wattles shall be a minimum of 5 inches in diameter. Netting material  
10 shall be clean, evenly woven, and free of encrusted concrete or other contaminating  
11 materials such as preservatives. Netting material shall be free from cuts, tears, or weak  
12 places and shall have a minimum lifespan of 6 months.  
13

14 Compost filler shall be coarse compost and shall meet the material requirements as  
15 specified in Section 9-14.4(8). If wood chips are used they shall meet the material  
16 requirements as specified in Section 9-14.4(3). If wood shavings are used, 80 percent of  
17 the fibers shall have a minimum length of 6 inches between 0.030 and 0.50 inches wide,  
18 and between 0.017 and 0.13 inches thick.  
19

20 Wood stakes for wattles shall be made from untreated Douglas fir, hemlock, or pine  
21 species. Wood stakes shall be 2 inch by 2 inch nominal dimension and 36 inches in length.  
22

#### 23 **9-14.5(6) Compost Socks**

24 Compost socks shall consist of extra heavy weight biodegradable fabric, with a minimum  
25 strand thickness of 5 mils. The fabric shall be filled with Coarse Compost. Compost socks  
26 shall be at least 8 inches in diameter. The fabric shall be clean, evenly woven, and free of  
27 encrusted concrete or other contaminating materials and shall be free from cuts, tears,  
28 broken or missing yarns, and be free of thin, open, or weak areas and shall be free of any  
29 type of preservative.  
30

31 Coarse compost filler shall meet the material requirements as specified in Section 9-  
32 14.4(8).  
33

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

#### 37 **9-14.5(7) Coir Log**

38 Coir logs shall be made of 100 percent durable coconut (coir) fiber uniformly compacted  
39 within woven netting made of bristle coir twine with minimum strength of 80 lbs tensile  
40 strength. The netting shall have nominal 2 inch by 2 inch openings. Log segments shall  
41 have a maximum length of 20 feet, with a minimum diameter as shown in the Plans. Logs  
42 shall have a minimum density of 7 lbs/cf.  
43

44 Stakes shall be untreated Douglas fir, hemlock, or pine species. Wood stakes shall have a  
45 notch to secure the rope ties. Rope ties shall be of 1/4 inch diameter commercially  
46 available hemp rope.  
47

#### 48 **9-14.5(8) High Visibility Fencing**

49 High visibility fence shall be UV stabilized, orange, high-density polyethylene or  
50 polypropylene mesh, and shall be at least 4-feet in height.  
51

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

1  
2 **9-14.6 Plant Materials**  
3

4 **9-14.6(1) Description**

5 Bareroot plants are grown in the ground and harvested without soil or growing medium  
6 around their roots.

7  
8 Container plants are grown in pots or flats that prevent root growth beyond the sides and  
9 bottom of the container.

10  
11 Balled and burlapped plants are grown in the ground and harvested with soil around a core  
12 of undisturbed roots. This rootball is wrapped in burlap and tied or placed in a wire basket  
13 or other supportive structure.

14  
15 Cuttings are live plant material without a previously developed root system. Source plants  
16 for cuttings shall be dormant when cuttings are taken and all cuts shall be made with a  
17 sharp instrument. Cuttings may be collected. If cuttings are collected, the requirement to be  
18 nursery grown or held in nursery conditions does not apply. Written permission shall be  
19 obtained from property owners and provided to the Engineer before cuttings are collected.  
20 The Contractor shall collect cuttings in accordance with applicable sensitive area  
21 ordinances. Cuttings shall meet the following requirements:

- 22  
23 A. Live branch cuttings shall have flexible top growth with terminal buds and may  
24 have side branches. The rooting end shall be cut at an approximate 45 degree  
25 angle.  
26  
27 B. Live stake cuttings shall have a straight top cut immediately above a bud. The  
28 lower, rooting end shall be cut at an approximate 45 degree angle. Live stakes are  
29 cut from one to two year old wood. Live stake cuttings shall be cut and installed  
30 with the bark intact with no branches or stems attached, and be ½ to 1½ inch in  
31 diameter.  
32  
33 C. Live pole cuttings shall have a minimum 2 inch diameter and no more than three  
34 branches which shall be pruned back to the first bud from the main stem.  
35

36 Rhizomes shall be a prostrate or subterranean stem, usually rooting at the nodes and  
37 becoming erect at the apex. Rhizomes shall have a minimum of two growth points. Tubers  
38 shall be a thickened and short subterranean branch having numerous buds or eyes.  
39

40 **9-14.6(2) Quality**

41 At the time of delivery all plant material furnished shall meet the grades established by the  
42 latest edition of the American Standard for Nursery Stock, (ASNS) ANSI Z60.1 and shall  
43 conform to the size and acceptable conditions as listed in the Contract, and shall be free of  
44 all foreign plant material.  
45

46 All plant material shall comply with State and Federal laws with respect to inspection for  
47 plant diseases and insect infestation.  
48

49 All plant material shall be purchased from a nursery licensed to sell plants in Washington  
50 State.  
51

52 Live woody or herbaceous plant material, except cuttings, rhizomes, and tubers, shall be  
53 vigorous, well formed, with well developed fibrous root systems, free from dead branches,  
54 and from damage caused by an absence or an excess of heat or moisture, insects,

1 disease, mechanical or other causes detrimental to good plant development. Evergreen  
2 plants shall be well foliated and of good color. Deciduous trees that have solitary leaders  
3 shall have only the lateral branches thinned by pruning. All conifer trees shall have only one  
4 leader (growing apex) and one terminal bud, and shall not be sheared or shaped. Trees  
5 having a damaged or missing leader, multiple leaders, or Y-crotches shall be rejected.  
6

7 Root balls of plant materials shall be solidly held together by a fibrous root system and shall  
8 be composed only of the soil in which the plant has been actually growing. Balled and  
9 burlapped rootballs shall be securely wrapped with jute burlap or other packing material not  
10 injurious to the plant life. Root balls shall be free of weed or foreign plant growth.  
11

12 Plant materials shall be nursery grown stock. Plant material, with the exception of cuttings,  
13 gathered from native stands shall be held under nursery conditions for a minimum of one  
14 full growing season, shall be free of all foreign plant material, and meet all of the  
15 requirements of these Specifications, the Plans, and the Special Provisions.  
16

17 Container grown plants shall be plants transplanted into a container and grown in that  
18 container sufficiently long for new fibrous roots to have developed so that the root mass will  
19 retain its shape and hold together when removed from the container, without having roots  
20 that circle the pot. Plant material which is root bound, as determined by the Engineer, shall  
21 be rejected. Container plants shall be free of weed or foreign plant growth.  
22

23 Container sizes for plant material of a larger grade than provided for in the container grown  
24 Specifications of the ASNS shall be determined by the volume of the root ball specified in  
25 the ASNS for the same size plant material.  
26

27 All bare root plant materials shall have a heavy fibrous root system and be dormant at the  
28 time of planting.  
29

30 Average height to spread proportions and branching shall be in accordance with the  
31 applicable sections, illustrations, and accompanying notes of the ASNS.  
32

33 Plants specified or identified as "Street Tree Grade" shall be trees with straight trunks, full  
34 and symmetrical branching, central leader, and be developed, grown, and propagated with  
35 a full branching crown. A "Street Tree Grade" designation requires the highest grade of  
36 nursery shade or ornamental tree production which shall be supplied.  
37

38 Street trees with improperly pruned, broken, or damaged branches, trunk, or root structure  
39 shall be rejected. In all cases, whether supplied balled and burlapped or in a container, the  
40 root crown (top of root structure) of the tree shall be at the top of the finish soil level. Trees  
41 supplied and delivered in a nursery fabric bag will not be accepted.  
42

43 Plants which have been determined by the Engineer to have suffered damage for the  
44 following reasons will be rejected:  
45

- 46 1. Girdling of the roots, stem, or a major branch.
- 47
- 48 2. Deformities of the stem or major branches.
- 49
- 50 3. Lack of symmetry.
- 51
- 52 4. Dead or defoliated tops or branches.
- 53

- 1           5. Defects, injury, and condition which renders the plant unsuitable for its intended  
2 use.  
3

4 Plants that are grafted shall have roots of the same genus as the specified plant.  
5

6 **9-14.6(3) Handling and Shipping**

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

8 The nursery shall furnish a notice of shipment in triplicate at the time of shipment of each  
9 truck load or other lot of plant material. The original copy shall be delivered to the Project  
10 Engineer, the duplicate to the consignee and the triplicate shall accompany the shipment to  
11 be furnished to the Inspector at the job site. The notice shall contain the following  
12 information:  
13

- 14           1. Name of shipper.  
15  
16           2. Date of shipment.  
17  
18           3. Name of commodity. (Including all names as specified in the Contract.)  
19  
20           4. Consignee and delivery point.  
21  
22           5. State Contract number.  
23  
24           6. Point from which shipped.  
25  
26           7. Quantity contained.  
27  
28           8. Size. (Height, runner length, caliper, etc. as required.)  
29  
30           9. Signature of shipper by authorized representative.  
31

32 To acclimate plant materials to Northwest conditions, all plant materials used on a project  
33 shall be grown continuously outdoors north of the 42nd Latitude (Oregon-California border)  
34 from not later than August 1 of the year prior to the time of planting.  
35

36 All container grown plants shall be handled by the container.  
37

38 All balled and burlapped plants shall be handled by the ball.  
39

40 Plant material shall be packed for shipment in accordance with prevailing practice for the  
41 type of plant being shipped, and shall be protected at all times against drying, sun, wind,  
42 heat, freezing, and similar detrimental conditions both during shipment and during related  
43 handling. Where necessary, plant material shall be temporarily heeled in. When transported  
44 in closed vehicles, plants shall receive adequate ventilation to prevent sweating. When  
45 transported in open vehicles, plants shall be protected by tarpaulins or other suitable cover  
46 material.  
47

48 **9-14.6(4) Tagging**

49 Plants delivered as a single unit of 25 or less of the same size, species, and variety, shall  
50 be clearly marked and tagged. Plants delivered in large quantities of more than 25 shall be  
51 segregated as to variety, grade, and size; and one plant in each 25, or fraction thereof, of  
52 each variety, grade, and size shall be tagged.  
53

1 **9-14.6(5) Inspection**

2 The Contracting Agency will make an inspection of plant material at the source when  
3 requested by the Engineer. However, such preliminary approval shall not be considered as  
4 final acceptance for payment. Final inspection and approval (or rejection) will only occur  
5 when the plant material has been delivered to the Project site. The Contractor shall notify  
6 the Engineer, not less than 48 hours in advance, of plant material delivery to the project.  
7

8 **9-14.6(6) Substitution of Plants**

9 No substitution of plant material, species or variety, will be permitted unless evidence is  
10 submitted in writing to the Engineer that a specified plant cannot be obtained and has been  
11 unobtainable since the Award of the Contract. If substitution is permitted, it can be made  
12 only with written approval by the Engineer. The nearest variety, size, and grade, as  
13 approved by the Engineer, shall then be furnished.  
14

15 Container or balled and burlapped plant material may be substituted for bare root plant  
16 material. Container grown plant material may be substituted for balled and burlapped plant  
17 materials. When substitution is allowed, use current ASNS standards to determine the  
18 correct rootball volume (container or balled and burlapped) of the substituted material that  
19 corresponds to that of the specified material. These substitutions shall be approved by the  
20 Engineer and be at no cost to the Contracting Agency.  
21

22 **9-14.6(7) Temporary Storage**

23 Plants stored under temporary conditions prior to installation shall be the responsibility of  
24 the Contractor.  
25

26 Plants stored on the project shall be protected at all times from extreme weather conditions  
27 by insulating the roots, root balls, or containers with sawdust, soil, compost, bark or wood  
28 chips, or other approved material and shall be kept moist at all times prior to planting.  
29

30 Cuttings shall continually be shaded and protected from wind. Cuttings shall be protected  
31 from drying at all times and shall be heeled into moist soil or other insulating material or  
32 placed in water if not installed within eight hours of cutting. Cuttings to be stored for later  
33 installation shall be bundled, laid horizontally, and completely buried under 6 inches of  
34 water, moist soil or placed in cold storage at a temperature of 34°F and 90 percent  
35 humidity. Cuttings that are not planted within 24 hours of cutting shall be soaked in water  
36 for 24 hours prior to planting. Cuttings taken when the temperature is higher than 50°F shall  
37 not be stored for later use. Cuttings that already have developed roots shall not be used.  
38

39 **9-14.6(8) Sod**

40 The available grass mixtures on the current market shall be submitted to the Engineer for  
41 selection and approval.  
42

43 The sod shall be field grown one calendar year or older, have a well developed root  
44 structure, and be free of all weeds, disease, and insect damage.  
45

46 Prior to cutting, the sod shall be green, in an active and vigorous state of growth, and  
47 mowed to a height not exceeding 1 inch.  
48

49 The sod shall be cut with a minimum of 1inch of soil adhering.  
50

51 **9-14.7 Stakes, Guys, and Wrapping**

52 Stakes shall be installed as shown in the Plans.  
53

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

3  
4 Hose for guying shall be nylon, rubber, or reinforced plastic and shall have an inside  
5 diameter of at least 1 inch.

6  
7 Tree wrap shall be a crinkled waterproof paper weighing not less than 4.0 pounds per 100  
8 square feet and shall be made up of two sheets cemented together with asphalt.

9  
10 **SECTION 9-16, FENCE AND GUARDRAIL**  
11 **August 2, 2010**

12 **9-16.3(2) Posts and Blocks**

13 This section in its entirety is revised to read:

14  
15 Posts and blocks may be of creosote, pentachlorophenol, waterborne chromate copper  
16 arsenate (CCA), ammoniacal copper arsenate (ACA), or ammoniacal copper zinc arsenate  
17 (ACZA), treated timber or galvanized steel (galvanized steel posts only –no blocks). Blocks  
18 made from alternate materials that meet the NCHRP Report 350 or MASH criteria may be  
19 used in accordance with the manufacturer's recommendations. Wood posts and blocks  
20 may be surface four sides (S4S) or rough sawn.

21  
22 Posts and blocks shall be of the size, length and type as shown in the Plans and meet the  
23 requirements of the below Specifications.

24  
25 Timber posts and blocks shall conform to the grade specified in Section 9-09.2. Timber  
26 posts and blocks shall be fabricated as specified in the Plans before being treated. Timber  
27 posts and blocks shall be treated by the empty cell process to provide a minimum retention,  
28 depending on the treatment used, according to the following:

29  
30

Creosote oil	10.0	lbs.	pcf
Pentachlorophenol	0.50	lbs.	pcf
ACA	0.50	lbs.	pcf
ACZA	0.50	lbs.	pcf
CCA	0.50	lbs	pcf

31  
32  
33  
34  
35

36 Treatment shall be in accordance with Section 9-09.3.

37  
38 Galvanized steel posts, and base plates, where used, shall conform to either ASTM A36 or  
39 ASTM A992, and shall be galvanized in accordance with AASHTO M 111. Welding shall  
40 conform to Section 6-03.3(25). All fabrication shall be completed prior to galvanizing.

41  
42 Steel posts for weathering steel beam guardrail shall be in accordance with one of the  
43 following two methods:

- 44  
45 1 Galvanized Powder Coated Steel Posts: These posts shall conform to ASTM A36  
46 or ASTM A992 and galvanized in accordance with AASHTO M 111. Powder  
47 Coating Galvanized Surfaces done in accordance with Sections: 6-07.3(11)B, 9-  
48 08.2. and 9-08.1(8). Only the top thirty inches on any post length shall be powder  
49 coated.
- 50

- 1           2. Galvanized Weathering Steel Posts: These posts shall conform to ASTM A588  
2 steel and be galvanized in accordance with AASHTO M 111. Thirty inches, on any  
3 post length, shall not be galvanized for exposure above ground.  
4

5 **SECTION 9-17, FLEXIBLE GUIDE POSTS**  
6 **January 3, 2011**

7 **9-17.4 Pre-approval**

8 Item number 3 in the first paragraph is revised to read:  
9

- 10           3. In lieu of State Materials Laboratory testing, the Lab will accept the results of pre-  
11 approved testing performed by the National Transportation Product Evaluation  
12 Program (NTPEP), the manufacturer or other agencies under the following conditions:  
13  
14           a. The State Materials Laboratory is informed of the pre-approval testing sufficiently  
15 in advance in order to attend and observe. Attendance will be at the discretion of  
16 the Materials Laboratory.  
17  
18           b. The results of the testing shall be reported in sufficient detail to enable the State  
19 Materials Laboratory to evaluate compliance with these Specifications.  
20

21 **SECTION 9-22, MONUMENT CASES**  
22 **January 4, 2010**

23 **9-22.1 Monument Cases, Covers, and Risers**

24 In the first sentence, "Class 30B" is revised to read "Class 35B".  
25  
26  
27  
28  
29  
30

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 removal of bridges, rotomilling, roadway excavation, embankment  
19 compaction, borrow excavation, crushed surfacing base course, maintenance rock, drainage  
20 items, beam guardrail and terminals, paint lines, permanent signing, seeding, fertilizing,  
21 mulching and other work all in accordance with the attached Contract Plans, these Contract  
22 Provisions and the Standard Specifications.

## 23 24 **BID PROCEDURES AND CONDITIONS**

### 25 26 **1-02.1 Prequalification of Bidders**

27 Delete this Section and replace it with the following:

#### 28 29 1-02.1 Qualifications of Bidder

30  
31 (\*\*\*\*\*)

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

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

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

1  
2 **Public Opening Of Proposal**

3 Section 1-02.12 is supplemented with the following:  
4

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

6 *Date Of Opening Bids*

7 Sealed bids are to be received at the following location prior to the time specified:  
8

9 The Office of the Board of County Commissioners, Grant County Courthouse, Room  
10 207, 35 C St. NW, P.O. Box 37, Ephrata, WA 98823  
11

12 The bid opening date for this project is **February 22, 2011**. Bids received will be publicly  
13 opened and read after **1:30 P.M.** on this date.  
14

15 **1-02.13 Irregular Proposals**

16 (March 25, 2009 APWA GSP)  
17

18 Revise item 1 to read:  
19

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

40 **1-02.14 Disqualification of Bidders**

41 (March 25, 2009 APWA GSP, Option B)  
42

43 Delete this Section and replace it with the following:  
44

45 A Bidder will be deemed not responsible if:

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

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

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

27  
28 The basis for evaluation of Bidder compliance with these supplemental criteria shall be  
29 any documents or facts obtained by Contracting Agency (whether from the Bidder or  
30 third parties) which any reasonable owner would rely on for determining such  
31 compliance, including but not limited to: (i) financial, historical, or operational data from  
32 the Bidder; (ii) information obtained directly by the Contracting Agency from owners for  
33 whom the Bidder has worked, or other public agencies or private enterprises; and (iii)  
34 any additional information obtained by the Contracting Agency which is believed to be  
35 relevant to the matter.

36  
37 If the Contracting Agency determines the Bidder does not meet the bidder responsibility  
38 criteria above and is therefore not a responsible Bidder, the Contracting Agency shall  
39 notify the Bidder in writing, with the reasons for its determination. If the Bidder disagrees  
40 with this determination, it may appeal the determination within 24 hours of receipt of the  
41 Contracting Agency's determination by presenting its appeal to the Contracting Agency.  
42 The Contracting Agency will consider the appeal before issuing its final determination. If  
43 the final determination affirms that the Bidder is not responsible, the Contracting Agency  
44 will not execute a contract with any other Bidder until at least two business days after the  
45 Bidder determined to be not responsible has received the final determination.

## 46 47 **CONTROL OF WORK**

### 48 49 **1-05.13 Superintendents, Labor and Equipment of Contractor**

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

51  
52 Revise the seventh paragraph to read:

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

3  
4 **(March 13, 1995)**

5 **Cooperation With Other Contractors**

6 Section 1-05.14 is supplemented with the following:

7  
8 *Other Contracts Or Other Work*

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

- 12
- 13 1. Utility relocations and/or normal maintenance work by telephone and  
14 power companies.
- 15 2. Normal maintenance work by Grant County Road crews.
- 16 3. Normal maintenance work by irrigation district crews.
- 17
- 18

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

20  
21 **State Taxes**

22 Section 1-07.2 is supplemented with the following:

23  
24 (March 13, 1995)

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

27  
28 **Permits and Licenses**

29 Section 1-07.6 is supplemented with the following:

30  
31 (March 13, 1995)

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

35  
36 **Load Limits**

37 Section 1-07.7 is supplemented with the following:

38  
39 (March 13, 1995)

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

45  
46 **Contractor's Responsibility for Work**

47  
48 (August 6, 2001)

49 ***Repair of Damage***

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

51  
52 The Contractor shall promptly repair all damage to either temporary or permanent work  
53 as directed by the Engineer. For damage qualifying for relief under Sections 1-07.13(1),

1 1-07.13(2), or 1-07.13(3), payment will be made in accordance with Section 1-04.4.  
2 Payment will be limited to repair of damaged work only. No payment will be made for  
3 delay or disruption of work.  
4

## 5 **Protection and Restoration of Property**

6 Section 1-07.16 is supplemented with the following:  
7

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

### 9 **Notification**

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

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

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

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

49 (\*\*\*\*\*)

### 50 **Payment**

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

1  
2 **Utilities And Similar Facilities**

3 Section 1-07.17 is supplemented with the following:  
4

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

6 Locations and dimensions shown in the Plans for existing facilities are in accordance  
7 with available information obtained without uncovering, measuring, or other verification.  
8

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

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

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

27 No excavation shall begin until all known facilities, in the vicinity of the excavation area,  
28 have been located and marked.  
29

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

- 33 • Grant County PUD, 30 C Street SW,  
34 Ephrata, WA 98823, (509) 754-3451
- 35 • Century Tel., P.O. Box 550  
36 Connel, WA 99326, (509) 235-3151  
37

38 **Public Convenience and Safety**

39  
40 **Construction Under Traffic**

41 Section 1-07.23(1) is supplemented with the following:  
42

43 (April 2, 2007)

44 **Work Zone Clear Zone**

45 The Work Zone Clear Zone (WZCZ) applies during working and nonworking  
46 hours. The WZCZ applies only to temporary roadside objects introduced by the  
47 Contractor's operations and does not apply to preexisting conditions or  
48 permanent Work. Those work operations that are actively in progress shall be in  
49 accordance with adopted and approved Traffic Control Plans, and other contract  
50 requirements.  
51

52 During nonworking hours equipment or materials shall not be within the WZCZ  
53 unless they are protected by permanent guardrail or temporary concrete barrier.

1 The use of temporary concrete barrier shall be permitted only if the Engineer  
2 approves the installation and location.

3  
4 During actual hours of work, unless protected as described above, only materials  
5 absolutely necessary to construction shall be within the WZCZ and only  
6 construction vehicles absolutely necessary to construction shall be allowed within  
7 the WZCZ or allowed to stop or park on the shoulder of the roadway.

8  
9 The Contractor's nonessential vehicles and employees private vehicles shall not  
10 be permitted to park within the WZCZ at any time unless protected as described  
11 above.

12  
13 Deviation from the above requirements shall not occur unless the Contractor has  
14 requested the deviation in writing and the Engineer has provided written  
15 approval.

16  
17 Minimum WZCZ distances are measured from the edge of traveled way and will  
18 be determined as follows:

19  
20 Minimum Work Zone Clear Zone Distance

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

27  
28 \* or 2-feet beyond the outside edge of sidewalk

29  
30  
31 **PROSECUTION AND PROGRESS**

32  
33 **Subcontracting**

34 Section 1-08.1 is supplemented with the following:

35  
36 (October 12, 1998)

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

43  
44 A subcontractor or lower tier subcontractor will not be permitted to perform any work  
45 under the contract until the following documents have been completed and submitted to  
46 the Engineer:

- 47  
48 1. Request to Sublet Work (Form 421-012), and  
49 2. Contractor and Subcontractor or Lower Tier Subcontractor Certification  
50 for Federal-aid Projects (Form 420-004).

51  
52 The Contractor's records pertaining to the requirements of this Special Provision shall be  
53 open to inspection or audit by representatives of the Contracting Agency during the life  
54 of the contract and for a period of not less than three years after the date of acceptance

1 of the contract. The Contractor shall retain these records for that period. The Contractor  
2 shall also guarantee that these records of all subcontractors and lower tier  
3 subcontractors shall be available and open to similar inspection or audit for the same  
4 time period.

## 6 **Prosecution Of Work**

7  
8 The first sentence of Section 1-08.4 is revised to read:

9  
10 (\*\*\*\*\*)

11 The Contractor shall begin work on April 4, 2011, unless otherwise approved by  
12 the Engineer.

## 14 **Time For Completion**

15  
16 The third paragraph of Section 1-08.5 is revised to read:

17  
18 (\*\*\*\*\*)

19 Contract time shall begin on the first working day. The first working day shall be  
20 April 4, 2011, unless otherwise approved by the Engineer.

21  
22 Section 1-08.5 is supplemented with the following:

23  
24 (\*\*\*\*\*)

25 This project shall be physically completed within 55 working days.

26  
27 Should the Contractor desire to perform work on any Saturday, Sunday, or Holiday  
28 during the life of this contract, he shall request written permission from the Engineer after  
29 submitting a new work schedule specifying the exact dates on which the work is to be  
30 performed.

31  
32 Should the Contractor desire to begin work before 6:30 am, or desire to work two  
33 separate or overlapping shifts during a single 24 hour day, or desire to work a shift  
34 longer than 10 hours in a single 24 hour day, he shall request written permission from  
35 the Engineer after submitting a new work schedule specifying the exact dates on which  
36 the requested work shifts are to be performed.

37  
38 The Engineer will consider the Contractor's request and may either approve or deny any  
39 or all working dates or shifts contained in the new progress schedule.

40  
41 No additional compensation will be given the Contractor for any delays and costs  
42 incurred because of this provision. All costs incurred shall be considered incidental to  
43 and included in other applicable contract items.

## 44 **MEASUREMENT AND PAYMENT**

45  
46 (March 13, 1995)

### 47 **Payments**

48 Section 1-09.9 is supplemented with the following:

49  
50 The quantity of the following items to be paid for on this project shall be the quantity  
51 shown in the Proposal, unless changes are made in accordance with Section 1-04.4  
52 which affect this quantity. The quantity shown in the Proposal will be adjusted by the  
53 amount of the change and will be paid for as specified in Section 1-04.4.  
54

1. Roadway Excavation incl. Haul
2. Embankment Compaction

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

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

## TEMPORARY TRAFFIC CONTROL

### Traffic Control Management

#### *General*

(December 1, 2008)

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

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

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

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

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

#### *Traffic Control Plans*

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

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

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

The work contemplated in this contract will require the Contractor to take special precautions in developing and implementing safe traffic control procedures in accordance with the MUTCD. The Contractor's attention is directed to WAC 296-155-

1 305 as it relates to signing, signaling and flaggers. All questions concerning new  
2 standards should be directed to the Wash. State Dept. of Labor and Industries.  
3

4 The Contractor will not be permitted to close Road R-NE within the project limits. One  
5 way traffic must be kept open during working hours and two-way traffic restored at the  
6 end of each working day. Access to County road intersections, local farms and  
7 residences shall be kept open at all times.  
8

9 The Contractor will be permitted to close Road R-NE per the Construction Sign plan for  
10 removing the existing bridges and installing the culvert pipes at the bridge locations.  
11 Two-way traffic shall be restored as soon as possible.  
12

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

### 14 **Traffic Control Devices**

#### 15 **Construction Signs**

16 Section 1-10.3(3)A is supplemented with the following:  
17

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

20 The required signs will be available to the Contractor at the Grant County Sign Shop,  
21 124 Enterprise St. SE, Ephrata, WA, (509) 754-6085, on normal work days. The  
22 Contractor shall make arrangements with the Engineer at least ten working days prior to  
23 picking up the signs. The Contractor shall sign an itemized receipt at the time of  
24 acquisition.  
25

26 Signs shall be returned to Grant County Sign Shop by the Contractor when their need  
27 has ceased as determined by the Engineer. The value of signs furnished by the  
28 Contracting Agency to the Contractor is fixed at \$10.00 per square foot. The value of  
29 such signs which are damaged or not returned as provided in Section 1-10.3(3)A will be  
30 deducted from payment due or to become due the Contractor.  
31

#### 32 **Wood Sign Posts**

33 Use the charts below to determine post size for Class A construction signs.  
34

#### 35 **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

#### 36 **Two Post Installation** 37 (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 *

38 \* The Engineer will determine the post size for signs greater than 75  
39 square feet.  
40  
41  
42  
43  
44  
45  
46  
47  
48  
49  
50  
51  
52  
53  
54

1  
2 **Barricades**

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

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

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

8  
9 As may be indicated in the Signing Plan, Traffic Control Plans, or the Contract  
10 Provisions, the Contractor may be required to install signs, warning lights, or both, on  
11 barricades

12  
13 **Measurement**

14  
15 (\*\*\*\*\*)

16 Section 1-10.4 is supplemented with the following:

17  
18 No unit of measurement will be made for any of the items contained in the Traffic Control  
19 Plan or Section 1-10 of the Standard Specifications.

20  
21  
22 **Payment**

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

24  
25 (\*\*\*\*\*)

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

29  
30  
31 **DIVISION 2 EARTHWORK**

32  
33 **CLEARING, GRUBBING, AND ROADSIDE CLEANUP**

34  
35 **Description**

36 Section 2-01.1 is supplemented with the following:

37  
38 (March 13, 1995)

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

40  
41 Road R-NE - Sta. 10+00 to 216+00

42  
43 **REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

44  
45 **Construction Requirements**

46  
47 (\*\*\*\*\*)

48 ***Salvage of Removed Structure Items***

49 The following items being removed from the existing Bridges shall remain the  
50 property of the Contracting Agency:

51  
52 **Bridge #160, R-NE**

53 All Structure Steel

1  
2 **Bridge #161, R-NE**  
3 All Structure Steel  
4

5 The Contractor shall transport the specified salvage items to the following  
6 locations:  
7

8 **All Structure Steel Items:**

9 \*\*\* George Dropbox, 17573 Road 1-NW, George, WA 98824 \*\*\*  
10

11 The Contractor shall stack the materials and box up all hardware and place the  
12 materials where directed by the Engineer. The Contractor shall contact the  
13 Engineer at least five working days prior to delivery of the items to confirm  
14 delivery arrangements.  
15

16 **Removal of Bridges, Box Culverts, and Other Drainage Structures**

17 Section 2-02.3(2) is supplemented with the following:  
18

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

20 The Contractor shall remove existing Bridge #160, R-NE, located in  
21 Section 30, T23N, R30E WM, as shown on the plans.  
22

23 The Contractor shall remove existing Bridge #161, R-NE, located in  
24 Section 19, T23N, R30E WM, as shown on the plans.  
25

26 Portions of the bank damaged by the Contractor when removing existing  
27 bents, abutments, or other structures shall be restored or replaced as  
28 directed by the Engineer.  
29

30 (June 26, 2000)

31 **Bridge Demolition Plan**

32 The Contractor shall submit a bridge demolition plan with working  
33 drawings and calculations to the Engineer for approval in accordance with  
34 Section 6-01.9, showing the method of removing the existing bridge(s), or  
35 portions of bridges, as specified.  
36

37 The bridge demolition plan shall show support bents, bracing, guys, lifting  
38 devices, lifting attachments, the sequence of demolition and removal, the  
39 type of equipment to be used in all demolition and removal operations,  
40 the location of cranes and barges, the location of support or lifting points,  
41 and the weights of structure parts being removed. The plan shall include  
42 a crane stability analysis and crane load calculations based on the  
43 controlling crane picks of the Contractor's plan. The plan shall detail the  
44 containment, collection, and disposal of all debris. The plan shall show all  
45 stages of demolition.  
46

47 The Contractor shall not begin removal operations until receiving the  
48 Engineer's approval of the bridge demolition plan.  
49

50 (June 26, 2000)

51 **Use of Explosives**

52 Explosives shall not be used in the demolition,  
53

54 (\*\*\*\*\*)

1                   **Requirements for Closing Bridge to Traffic Prior to Beginning**  
2                   **Removal**

3                   The Contractor shall not close the existing bridge to traffic and shall not  
4                   begin bridge removal operations until the following conditions are met:

- 5  
6                   1. The Contractor has received the Engineer’s approval of the bridge  
7                   demolition plan.  
8                   2. The Contractor has sufficient material on hand to complete bridge  
9                   removal and bridge construction operations in the least possible  
10                  time.  
11                  3. The Contractor shall furnish a report on the status of material  
12                  delivery to the Engineer. The report shall specify the materials  
13                  already available at the site, the materials yet to arrive at the site,  
14                  and the scheduled delivery dates of the materials yet to arrive at  
15                  the site.  
16                  4. The Engineer has received the list of residents notified about the  
17                  project and road closure.  
18                  5. The Contractor has received the Engineer’s approval to proceed.

19  
20                  **Removal of Pavement, Sidewalks, and Curbs**

21                  Section 2-02.3(3) is supplemented with the following:

22  
23                  (\*\*\*\*\*)

24                  **Rotomilling Bituminous Pavement**

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

31  
32                  The equipment used to rotomill existing bituminous pavements shall be capable  
33                  of rotomilling a minimum of 72” in a single pass, capable of working at a mixing  
34                  depth of at least 6” without producing skips and work at a traveling speed of 1  
35                  mph or more.

36  
37                  **Payment**

38                  Section 2-02.5 is supplemented with the following:

39                  “Rotomilling Bituminous Pavement”, per square yard.

40                  “Removal of Existing Bridge #160 – R-NE”, lump sum.

41                  “Removal of Existing Bridge #161 – R-NE”, lump sum.

42  
43  
44  
45  
46                  **ROADWAY EXCAVATION AND EMBANKMENT**

47  
48                  **Construction Requirements**

49                  **Disposal Of Surplus Material**

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

51                  (\*\*\*\*\*)  
52  
53

1 A waste site has not been provided by the County for the disposal of excess material  
2 and debris.  
3  
4

### 5 **DIVISION 3 PRODUCTION FROM QUARRY AND PIT SITES AND STOCKPILING**

#### 6 **PRODUCTION FROM QUARRY AND PIT SITES**

##### 7 **State Furnished Material Sources**

8 Section 3-01.3 is supplemented with the following:  
9

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

11 The following source(s) of stockpiled materials are made available to the Contractor at  
12 the unit prices shown under the section entitled Stockpiling Aggregates:  
13

14 Stockpile Site \*\*\* #87 \*\*\* source for \*\*\*crushed surfacing base course and maintenance  
15 rock \*\*\* is located in Section 6, Township 22 North, Range 30 East W.M., as shown in  
16 the Plans.  
17  
18

#### 19 **STOCKPILING AGGREGATES**

##### 20 **General Requirements**

##### 21 **Removing Aggregates From Stockpiles**

22 Section 3-02.2(7) is supplemented with the following:  
23

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

25 Crushed Surfacing Base Course and Maintenance Rock aggregates for use in this  
26 project exist in stockpile at the location and for the unit prices listed below and in the  
27 amounts shown in the Plans.  
28

29 <u>Location</u>	30 <u>Material</u>	31 <u>Price</u>
32 Index #87, PS-GT-330	33 Crushed Surfacing Base Course	34 \$2.33/Ton
35 Mordhorst Pit	36 Maintenance Rock	37 \$2.82/Ton
38 Sec. 6, T22N, R30 E WM	39 Gravel Backfill for Pipe Zone Bedding	40 \$4.57/C.Y.

41 The Contractor may obtain material from other sources provided they are approved by  
42 the Engineer and provided the Contractor makes all arrangements and pays all  
43 expenses required for the acquisition of the materials.  
44

##### 45 **Payment**

46 Section 3-02.5 is supplemented with the following:  
47

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

49 The unit contract price shall be full payment for the purchase, loading, hauling, placing  
50 and compacting of materials provided in stockpile or, if so chosen by the Contractor, for  
51 the furnishing, hauling, placing and compacting of materials obtained by the Contractor  
52 from an approved source of the Contractor's own choice and acquisition.  
53

54 If the Contractor chooses to use the materials existing in stockpile, the County shall  
55 deduct the costs of such aggregates from monthly progress estimates in accordance

1 with the rates specified above and based on the quantity of materials allowed by the  
2 Engineer on the monthly progress payments and final estimate.  
3

#### 4 **SITE RECLAMATION**

##### 6 **Contracting-Agency Provided Sites**

7 Section 3-03.2(1) is supplemented with the following:  
8

9 (March 13, 1995)

10 Site reclamation shall be performed by the Contracting Agency on all sites furnished by  
11 the Contracting Agency.  
12  
13

#### 14 **DIVISION 4 BASES**

#### 16 **BALLAST AND CRUSHED SURFACING**

##### 18 **Construction Requirements**

###### 19 ***Equipment***

20 The first sentence of Section 4-04.3(1) is revised to read:  
21  
22

23 (\*\*\*\*\*)

24 All equipment necessary for the satisfactory performance of this construction  
25 shall be on the project and approved by the Engineer prior to beginning work.  
26 The Contractor will be required to demonstrate that equipment of sufficient size,  
27 number, and reliability has been provided to meet the project schedule submitted  
28 by the Contractor, if requested by the Engineer.  
29

###### 30 ***Placing and Spreading***

31 The third paragraph of Section 4-04.3(4) is supplemented with the following:  
32

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

34 The Contractor will be required to fill each hauling vehicle with the same quantity  
35 of crushed aggregate. This is necessary in order to provide consistent spreads  
36 within the limits of the specific section determined by the Engineer.  
37

38 The Contractor will place the material in such a way as to minimize the impact of  
39 the hauling vehicles. Hauling over any of the surfacing materials prior to  
40 processing shall not be permitted.  
41

###### 42 ***Miscellaneous Requirement***

43 The second sentence of the first paragraph of Section 4-04.3(7) is revised to  
44 read:  
45

46 (\*\*\*\*\*)

47 Each course of surfacing material shall be placed in its entirety before placing the  
48 succeeding course unless otherwise authorized by the Engineer. The Contractor  
49 shall repair any segregated areas by reprocessing the effected section of each  
50 course before placing any additional material.  
51  
52

#### 53 **DIVISION 8 MISCELLANEOUS CONSTRUCTION**

1  
2 **EROSION CONTROL AND WATER POLLUTION CONTROL**

3  
4 **Construction Requirements**

5  
6 ***Mulching***

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

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

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

14  
15 **GUIDE POSTS**

16  
17 **Materials**

18 Section 8-10.2 is supplemented with the following:

19  
20 (\*\*\*\*\*)

21 Flexible guide posts from Safe-Hit Corporation, Davidson by Bunzl Extrusion of Tacoma,  
22 and Carsonite International Survivor model shall not be installed on this project.

23  
24 Guide posts shall be brown in color.

25  
26  
27 **MONUMENT**

28  
29 **Construction Requirements**

30  
31 (\*\*\*\*\*)

32 Section 8-13.3 is supplemented with the following:

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

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

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

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

52  
53 **Payment**

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

3 The unit contract price bid per each for "Monuments" shall be full compensation for  
4 performing the work outlined herein and in accordance with the plans and specifications.  
5

## 6 PERMANENT SIGNING

### 7 8 Construction Requirements

9  
10 (\*\*\*\*\*)

11 Section 8-21.3 is supplemented with the following:  
12

13 All existing signs, posts and hardware within the project limits shall be removed and  
14 salvaged to the Grant County Sign Shop, 124 Enterprise St. S.E., Ephrata, WA, Monday  
15 thru Friday, 7:00 A.M. to 3:00 P.M.  
16

17 All locations for new sign installations within or near the project limits shall be staked in  
18 the field by the Engineer.  
19

20 All sign post lengths shall be determined by the Contractor and approved by the  
21 Engineer prior to installation.  
22

23 The Permanent Signing Appendix lists the signs that shall be furnished and installed by  
24 the Contractor.  
25

## 26 PAVEMENT MARKING

### 27 28 Materials

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

31 The first sentence of Section 8-22.2 is replaced with the following:  
32

33 Materials for pavement marking shall be acetone-based paint and conform to WSDOT  
34 paint formulas HWVY2 for yellow lines and HWVW1 for white lines. Water-based paints  
35 will not be acceptable.  
36

### 37 Construction Requirements

#### 38 39 *Preliminary Spotting*

40 The first sentence of Section 8-22.3(1) is replaced with the following:  
41

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

43 The Contractor shall use established control points to assist in the preliminary  
44 spotting of the lines to be marked. Where control points are unavailable the  
45 Contractor shall establish such control as necessary to provide accurate  
46 preliminary spotting for pavement marking. The Engineer shall provide control  
47 points for no-pass zones.  
48

#### 49 *Marking Application*

50 Section 8-22.3(3) is supplemented with the following:  
51

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

This contract contains new striping work and will require two applications of paint on a thoroughly swept pavement surface. 10 mils on the first pass and 15 mils on the second pass in the opposite direction. Glass beads for retro-reflective applications shall be applied at the rate of 7 pounds per gallon of paint.

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

## DIVISION 9 MATERIALS

### AGGREGATES

#### Aggregates for Ballast and Crushed Surfacing

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

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

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

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

### EROSION CONTROL AND ROADSIDE PLANTING

#### **Seed**

Section 9-14.2 is supplemented with the following:

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

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

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

#### **Arid Area Mix B Containing\*\*:**

1	Sheep Fescue	30	28.5	85
2	Crested Wheatgrass	30	28.5	85
3	Intermediate Wheatgrass	30	28.0	85
4	Annual Ryegrass	10	9.5	85
5	Weed Seed		2.0 (max)	
6	Inert and other crop		<u>3.5 (max)</u>	
7	Total		100.0	

---

8  
9

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

12

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

15

16 **Fertilizer**

17 Section 9-14.3 is supplemented with the following:

18

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

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

22

23 Total Nitrogen as N - 135 pounds per acre

24

25 Available Phosphoric Acid as P<sub>2</sub>O<sub>5</sub> - 80 pounds per acre

26

27 Soluable Potash as K<sub>2</sub>O - 80 pounds per acre

28

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

32

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

35

36

37

38

39 **STANDARD PLANS**

40 *August 2, 2010*

41  
42 The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-01  
43 transmitted under Publications Transmittal No. PT 08-001, effective August 2, 2010 is made a  
44 part of this contract.

45

46

47

48

49

50

51

**PROPOSAL**

To: Board of County Commissioners  
Grant County, Washington

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

This certifies that the undersigned has examined the location of **R-NE Road, CRP 08-13 & 10-05, 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.

**R-NE 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>
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**PREPARATION**

1	100% Lump Sum	Mobilization	At //////////.//// Per Lump Sum	.
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2	100% Lump Sum	Notification	At //////////.//// Per Lump Sum	.
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3	100% Lump Sum	Clearing and Grubbing	At //////////.//// Per Lump Sum	.
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4	100% Lump Sum	Removal of Existing Bridge #160, R-NE	At //////////.//// Per Lump Sum	.
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5	100% Lump Sum	Removal of Existing Bridge #161, R-NE	At //////////.//// Per Lump Sum	.
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**GRADING**

6	48,326 S.Y.	Rotomilling Bituminous Pavement	At . Per Square Yard	.
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7	23,417 C.Y.	Roadway Excavation including Haul	At . Per Cubic Yard	.
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Item No.	Plan Quantity	Item Description	Price per Unit* Dollars . Cents	Total Amount Dollars . Cents
8	16,617 Cu. Yd.	Embankment Compaction	At Per Cubic Yard	.
9	1,000 Cu. Yd.	Borrow Excavation Including Haul	At Per Cubic Yard	.
<b>DRAINAGE</b>				
10	200 L.F.	Plain Steel Culvert Pipe 0.064" Th. – 12" Diameter	At Per Linear Foot	.
11	439 L.F.	Plain Steel Culvert Pipe 0.064" Th. – 18" Diameter	At Per Linear Foot	.
12	255 L.F.	Plain Steel Culvert Pipe 0.064" Th. – 24" Diameter	At Per Linear Foot	.
13	60 L.F.	Plain Steel Culvert Pipe 0.064" Th. , 5x1 Corr., – 42" Diameter	At Per Linear Foot	.
14	120 L.F.	Plain Steel Culvert Pipe 0.109" Th. , 5x1 Corr., 65" x 40"	At Per Linear Foot	.
15	172 L.F.	Plain Steel Culvert Pipe 0.109" Th. , 5x1 Corr., 72" x 44"	At Per Linear Foot	.
16	146 L.F.	Plain Steel Culvert Pipe 0.109" Th. , 5x1 Corr., 73" x 55"	At Per Linear Foot	.
17	7.5 Cu. Yd.	Commercial Concrete for Headwall, including Steel Reinforcing Bar for Headwall	At Per Cubic Yard	.
<b>SURFACING</b>				
18	26,500 Ton	Crushed Surfacing Base Course from Stockpile #87	At Per Ton	.

Item No.	Plan Quantity	Item Description	Price per Unit* Dollars . Cents	Total Amount Dollars . Cents
19	16,800 Ton	Maintenance Rock from Stockpile #87	At Per Ton	.
<b>TRAFFIC</b>				
20	1,750 L.F.	Beam Guardrail Type 31 – 8’ Long Posts	At Per Linear Foot	.
21	4 Each	Beam Guardrail Type 31 Non-Flared Terminal	At Per Each	.
22	1,825 L.F.	Painted Skip Centerline	At Per Linear Foot	.
23	8,655 L.F.	Painted Skip Centerline with No Pass	At Per Linear Foot	.
24	9,881 L.F.	Painted Double Yellow Center Line	At Per Linear Foot	.
25	41,200 L.F.	Painted Edge Line - White	At Per Linear Foot	.
26	100% Lump Sum	Permanent Signing	At //////////./////	.
27	156 Each	Flexible Guide Post	At Per Each	.
<b>OTHER ITEMS</b>				
28	457 Cu. Yd.	Structure Excavation Class “B” including Haul	At Per Cubic Yard	.
29	257 Cu. Yd.	Gravel Backfill for Pipe Zone Bedding	At Per Cubic Yard	.

Item No.	Plan Quantity	Item Description	Price per Unit* Dollars . Cents	Total Amount Dollars . Cents
30	51 Cu. Yd.	Controlled Density Fill	At . Per Cubic Yard	.
31	7 Each	Monument	At . Per Each	.
32	100% Lump Sum	Trimming and Cleanup	At ////////.//// Per Lump Sum	.
33	8.0 Acre	Seeding, Fertilizing and Mulching with Arid Mix A or B	At . Per Acre	.
34	9,145 L.F.	Wire Fence Type 2	At . Per Linear Foot	.
35	Calculated	Minor Changes	At ////////.//// Calculated	-\$2.00

<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: **R-NE Road, CRP 08-13 & 10-05**

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 removal of bridges, rotomilling, roadway excavation, embankment compaction, borrow excavation, crushed surfacing base course, maintenance rock, drainage items, beam guardrail and terminals, paint lines, permanent signing, seeding, fertilizing, mulching and other work all in accordance with the attached Contract Plans, these Contract Provisions and the Standard Specifications. (Please list equipment to be used on this project. Attach list if necessary.)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
3. I have adequate funds to promptly meet obligations incident to this work. (Provide bank, contact & phone.)  
a) \_\_\_\_\_  
b) \_\_\_\_\_ c) \_\_\_\_\_
4. I have adequate experience in this class of work and I am thoroughly familiar with the specifications used in this project. I have constructed the following similar improvements: (Provide project name, contact & phone.)  
a) \_\_\_\_\_  
b) \_\_\_\_\_  
c) \_\_\_\_\_
5. I have submitted and maintain annually a "Standard Questionnaire and Financial Statement" to the Washington State Department of Transportation (WSDOT): Yes  No  Region: \_\_\_\_\_  
WSDOT has determined: a) I am prequalified to \_\_\_\_\_  
\_\_\_\_\_ in the amount of \_\_\_\_\_.  
b) I have failed to be prequalified for the following reasons: \_\_\_\_\_  
\_\_\_\_\_.

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

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

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

Very truly yours,

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

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

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

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

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

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

Revised 4/02

Informational Only - NOT FOR BIDDING

## 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 **R-NE Road, CRP 08-13 & 10-05**, 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 \_\_\_\_\_

Informational Only - NOT FOR BIDDING

## 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 **R-NE Road, CRP 08-13 & 10-05**, located in Grant County, Washington, as proposed in a bid opened **1:30 P.M., Tuesday, February 22, 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

**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 **February 22, 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 **R-NE Road, CRP 08-13 & 10-05**, 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

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## TITLE VI – Contractor Requirements

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

### 1. Compliance with Regulations

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

### 2. Non-discrimination

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

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

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

### 4. Information and Reports

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

### 5. Sanctions for Non-compliance

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

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

### 6. Incorporation of Provisions

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

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

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

### Washington State Prevailing Wage

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

#### Journey Level Prevailing Wage Rates for the Effective Date: 9/13/2010

<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	\$56.81	<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	\$8.55		<u>1</u>	
Grant	<a href="#">Carpenters</a>	Carpenter	\$37.16	<u>5A</u>	<u>1B</u>	<u>8N</u>
Grant	<a href="#">Cement Masons</a>	Journey Level	\$35.85	<u>5D</u>	<u>1N</u>	
Grant	<a href="#">Divers &amp; Tenders</a>	Diver	\$72.60	<u>5A</u>	<u>1B</u>	<u>8A</u>
Grant	<a href="#">Divers &amp; Tenders</a>	Diver On Standby	\$41.85	<u>5A</u>	<u>1B</u>	
Grant	<a href="#">Divers &amp; Tenders</a>	Diver Tender	\$40.85	<u>5A</u>	<u>1B</u>	
Grant	<a href="#">Divers &amp; Tenders</a>	Diving Master	\$49.50	<u>5A</u>	<u>1B</u>	
Grant	<a href="#">Divers &amp; Tenders</a>	Surface Rcv & Rov Operator	\$40.85	<u>5A</u>	<u>1B</u>	
Grant	<a href="#">Divers &amp; Tenders</a>	Surface Rcv & Rov Operator Tender	\$39.10	<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	\$31.71	<u>5A</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>5M</u>	<u>1D</u>
Grant	<a href="#">Electricians - Inside</a>	Construction Stock Person	\$26.34	<u>5M</u>	<u>1E</u>
Grant	<a href="#">Electricians - Inside</a>	Journey Level	\$48.72	<u>5M</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	\$61.08	<u>5A</u>	<u>4A</u>
Grant	<a href="#">Electricians - Powerline Construction</a>	Certified Line Welder	\$55.81	<u>5A</u>	<u>4A</u>
Grant	<a href="#">Electricians - Powerline Construction</a>	Groundperson	\$39.83	<u>5A</u>	<u>4A</u>
Grant	<a href="#">Electricians - Powerline Construction</a>	Head Groundperson	\$42.02	<u>5A</u>	<u>4A</u>
Grant	<a href="#">Electricians - Powerline Construction</a>	Heavy Line Equipment Operator	\$55.81	<u>5A</u>	<u>4A</u>
Grant	<a href="#">Electricians - Powerline Construction</a>	Jackhammer Operator	\$42.02	<u>5A</u>	<u>4A</u>
Grant	<a href="#">Electricians - Powerline Construction</a>	Journey Level Lineperson	\$55.81	<u>5A</u>	<u>4A</u>
Grant	<a href="#">Electricians - Powerline Construction</a>	Line Equipment Operator	\$47.20	<u>5A</u>	<u>4A</u>
Grant	<a href="#">Electricians - Powerline Construction</a>	Pole Sprayer	\$55.81	<u>5A</u>	<u>4A</u>
Grant	<a href="#">Electricians - Powerline Construction</a>	Powderperson	\$42.02	<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>6Q</u>	<u>4A</u>
Grant	<a href="#">Elevator Constructors</a>	Mechanic In Charge	\$73.87	<u>6Q</u>	<u>4A</u>
Grant	<a href="#">Fabricated Precast Concrete Products</a>	Journey Level	\$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>5D</u>	<u>1M</u>
Grant	<a href="#">Glaziers</a>	Journey Level	\$24.87	<u>5A</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>5D</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	\$8.55		<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	\$8.55		<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>
Grant	<a href="#">Ironworkers</a>	Journeyman	\$48.19	<u>5A</u>	<u>1O</u>
Grant	<a href="#">Laborers</a>	Air And Hydraulic Track Drill	\$32.95	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Asphalt Raker	\$32.95	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Asphalt Roller, Walking	\$32.68	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Brick Pavers	\$32.41	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Brush Hog Feeder	\$32.41	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Brush Machine	\$32.95	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Caisson Worker, Free Air	\$32.95	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Carpenter Tender	\$32.41	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Cement Finisher Tender	\$32.68	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Cement Handler	\$32.41	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Chain Saw Operator & Faller	\$32.95	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Clean-up Laborer	\$32.41	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Compaction Equipment	\$32.68	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Concrete Crewman	\$32.41	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Concrete Saw, Walking	\$32.68	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Concrete Signalman	\$32.41	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Concrete Stack	\$32.95	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Confined Space Attendant	\$32.41	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Crusher Feeder	\$32.41	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Demolition	\$32.41	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Demolition Torch	\$32.68	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Dope Pot Fireman, Non-mechanical	\$32.68	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Driller Helper (when Required To Move & Position Machine)	\$32.68	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Drills With Dual Masts	\$33.23	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Dry Stack Walls	\$32.41	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Dumpman	\$32.41	<u>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Erosion Control Laborer	\$32.41	<u>5D</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>5D</u>	<u>1M</u>
Grant	<a href="#">Laborers</a>	Firewatch	\$32.41	<u>5D</u>	<u>1M</u>

Grant	<a href="#">Laborers</a>	Form Cleaning Machine Feeder, Stacker	\$32.41	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Form Setter, Paving	\$32.68	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	General Laborer	\$32.41	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Grade Checker	\$34.94	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Grout Machine Header Tender	\$32.41	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Guard Rail	\$32.41	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Gunite	\$32.95	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Hazardous Waste Worker (level A)	\$33.23	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Hazardous Waste Worker (level B)	\$32.95	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Hazardous Waste Worker (level C)	\$32.68	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Hazardous Waste Worker (level D)	\$32.41	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Hdpe Or Similar Liner Installer	\$32.41	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	High Scaler	\$32.95	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Jackhammer Operator Miner, Class "b"	\$32.68	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Laser Beam Operator	\$32.95	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Miner, Class "a"	\$32.41	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Miner, Class "c"	\$32.95	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Miner, Class "d"	\$33.23	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Monitor Operator, Air Track Or Similar Mounting	\$32.95	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Mortar Mixer	\$32.95	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Nipper	\$32.41	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Nozzleman	\$32.95	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Nozzleman, Water (to Include Fire Hose), Air Or Steam	\$32.68	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Pavement Breaker, 90 Lbs. & Over	\$32.95	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Pavement Breaker, Under 90 Lbs.	\$32.68	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Pipelayer	\$32.95	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Pipelayer, Corrugated Metal Culvert And Multi-plate	\$32.68	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Pipewrapper	\$32.95	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Plasterer Tenders	\$32.95	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Pot Tender	\$32.68	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Powderman	\$34.60	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Powderman Helper	\$32.68	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Power Buggy Operator	\$32.68	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Power Tool Operator, Gas, Electric, Pneumatic	\$32.68	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Railroad Equipment, Power	\$32.68	<u>5D</u>	<u>1M</u>	

		Driven, Except Dual Mobile				
Grant	<a href="#">Laborers</a>	Railroad Power Spiker Or Puller, Dual Mobile	\$32.68	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Remote Equipment Operator	\$33.23	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Remote Equipment Operator (i.e. Compaction And Demolition)	\$32.68	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Rigger/signal Person	\$32.68	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Riprap Person	\$32.41	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Rodder & Spreader	\$32.68	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Sandblast Tailhoseman	\$32.41	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Scaffold Erector, Wood Or Steel	\$32.41	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Stake Jumper	\$32.41	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Structural Mover	\$32.41	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Tailhoseman (water Nozzle)	\$32.41	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Timber Bucker & Faller (by Hand)	\$32.41	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Track Laborer (rr)	\$32.41	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Trencher, Shawnee	\$32.68	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Trenchless Technology Technician	\$32.95	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Truck Loader	\$32.41	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Tugger Operator	\$32.68	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Vibrators, All	\$32.95	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Wagon Drills	\$32.68	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Water Pipe Liner	\$32.68	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Welder, Electric, Manual Or Automatic (hdpe Or Similar Pipe And Liner)	\$33.23	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Well-point Person	\$32.41	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers</a>	Wheelbarrow, Power Driven	\$32.68	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers - Underground Sewer &amp; Water</a>	General Laborer & Topman	\$32.41	<u>5D</u>	<u>1M</u>	
Grant	<a href="#">Laborers - Underground Sewer &amp; Water</a>	Pipe Layer	\$32.95	<u>5D</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	\$8.55		<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	\$8.55		<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	\$8.55		<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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	A-frame Truck (single Drum)	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Asphalt Plant Operator	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Assistant Plant Operator, Fireman Or Pugmixer (asphalt)	\$36.13	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Assistant Refrigeration Plant (under 1000 Ton)	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Automatic Subgrader (ditches & Trimmers)	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Backfillers (cleveland & Similar)	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Backhoe & Hoe Ram (under 3/4 Yd.)	\$37.06	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Backhoe (45,000 Gw & Under)	\$37.06	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Backhoe (over 110,000 Gw)	\$37.61	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Backhoes & Hoe Ram (3 Yds & Over)	\$37.61	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Bagley Or Stationary Scraper	\$36.13	<u>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Batch Plant (over 4 Units)	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Belt Finishing Machine	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Belt Loader (kocal Or Similar)	\$36.74	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Bending Machine	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Bit Grinders	\$35.81	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Blade (finish & Bluetop), Automatic, Cmi, Abc, Finish	\$37.61	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Blower Operator (cement)	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Boat Operator	\$35.81	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Bob Cat (skid Steer)	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Bolt Threading Machine	\$35.81	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Boom Cats (side)	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Boring Machine (earth)	\$36.74	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Bump Cutter (wayne, Saginaw Or Similar)	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Cableway Controller (dispatcher)	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Cableway Operators	\$37.61	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Canal Lining Machine (concrete)	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Carrydeck & Boom Truck (under 25 Tons)	\$37.06	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Cement Hog	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Chipper (without Crane) Cleaning & Doping Machine (pipeline)	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Clamshell, Dragline	\$38.71	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Compactor (self-propelled With Blade)	\$37.34	<u>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Concrete Cleaning / Decontamination Machine Operator	\$37.61	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Concrete Pump Boon Truck	\$37.34	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Concrete Saw (multiple Cut)	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Concrete Slip Form Paver	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Conveyor Aggregate Delivery Systems (c.a.d.)	\$37.34	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Cranes (25 Tons & Under), All	\$37.06	<u>5D</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>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Crusher Feeder	\$35.81	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Crusher, Grizzle & Screening Plant Operator	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Curb Extruder (asphalt Or Concrete)	\$36.90	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Deck Engineer	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Deck Hand	\$35.81	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Derricks & Stifflegs (65 Tons & Over)	\$37.61	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Derricks & Stifflegs (under 65 Tons)	\$37.06	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Distributor Leverman	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Ditch Witch Or Similar	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Dope Pots (power Agitated	\$36.13	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Dozer / Tractors (d-6 & Equivalent & Over)	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Dozer, 834 R/t & Similar	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Drill Doctor	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Driller Licensed	\$38.71	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Drillers Helper	\$35.81	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Drills (churn, Core, Calyx Or Diamond)	\$36.90	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Elevating Belt (holland Type)	\$37.61	<u>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Elevator Hoisting Materials	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Equipment Serviceman, Greaser & Oiler	\$36.90	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Fireman & Heater Tender	\$35.81	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Generator Plant Engineers (diesel Or Electric)	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Gin Trucks (pipeline)	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Grade Checker	\$37.06	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Gunite Combination Mixer & Compressor	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	H.d. Mechanic	\$37.61	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	H.d. Welder	\$37.61	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Helicopter Pilot	\$38.71	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Helper, Mechanic Or Welder, H.D	\$35.81	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Hoe Ram	\$37.06	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Hoist, Single Drum	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Hydraulic Platform Trailers (goldhofer, Shaurerly And Similar)	\$37.61	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Hydro-seeder, Mulcher, Nozzleman	\$35.81	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Lime Batch Tank Operator (recycle Train)	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Lime Brain Operator (recycle Train)	\$37.34	<u>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Loaders (bucket Elevators And Conveyors)	\$36.13	<u>5D</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>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Locomotive Engineer	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Longitudinal Float	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Master Environmental Maintenance Technician	\$37.61	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Mixer (portable - Concrete)	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Mixermobile	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Mobile Crusher Operator (recycle Train)	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Mucking Machine	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Multiple Dozer Units With	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>

		Single Blade				
Grant	<a href="#">Power Equipment Operators</a>	Pavement Breaker, Hydra-hammer & Similar	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Paving (dual Drum)	\$37.06	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Paving Machine (asphalt And Concrete)	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Piledriving Engineers	\$37.06	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Plant Oiler	\$35.81	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Posthole Auger Or Punch	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Power Broom	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Pump (grout Or Jet)	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Pumpman	\$35.81	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Quad-track Or Similar Equipment	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Railroad Ballast Regulation Operator (self-propelled)	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Railroad Power Tamper Operator (self-propelled)	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Railroad Tamper Jack Operator (self-propelled)	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Railroad Track Liner Operator (self-propelled)	\$37.06	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Refrigeration Plant Engineer (1000 Tons & Over)	\$37.06	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Refrigeration Plant Engineer (under 1000 Ton)	\$36.90	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Rollerman (finishing Asphalt Pavement)	\$37.34	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Roto Mill (pavement Grinder)	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Rotomill Groundsman	\$36.90	<u>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Scrapers, All, Rubber-tired	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Screed Operator	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Shovels (3 Yds. & Over)	\$37.61	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Shovels (under 3 Yds.)	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Signalman (whirleys, Highline, Hammerheads Or Similar)	\$37.06	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Soil Stabilizer (p & H Or Similar)	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>

Grant	<a href="#">Power Equipment Operators</a>	Spray Curing Machine (concrete)	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Spreader Box (self-propelled)	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Spreader Machine	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Steam Cleaner	\$35.81	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Surface Heater & Planer Machine	\$36.90	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Traverse Finish Machine	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Trenching Machines (7 Ft. Depth & Over)	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Trenching Machines (under 7 Ft. Depth Capacity)	\$36.90	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Tug Boat Operator	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Tugger Operator	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Turnhead (with Re-screening)	\$36.90	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Turnhead Operator	\$36.74	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Vactor Guzzler, Super Sucker	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Vacuum Blasting Machine Operator	\$37.61	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Welding Machine	\$35.81	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators</a>	Whirleys & Hammerheads, All	\$37.61	<u>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Asphalt Plant Operator	\$37.34	<u>5D</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>5D</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>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Backfillers (cleveland & Similar)	\$36.74	<u>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Belt Finishing Machine	\$36.13	<u>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Bending Machine	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Bit Grinders	\$35.81	<u>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Blower Operator (cement)	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Boat Operator	\$35.81	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Bolt Threading Machine	\$35.81	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Boom Cats (side)	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Boring Machine (earth)	\$36.74	<u>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cableway Controller (dispatcher)	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cableway Operators	\$37.61	<u>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cement Hog	\$36.13	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Clamshell, Dragline	\$38.71	<u>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Crusher Feeder	\$35.81	<u>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Deck Engineer	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Deck Hand	\$35.81	<u>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Distributor Leverman	\$36.13	<u>5D</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>5D</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>5D</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>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Drill Doctor	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Driller Licensed	\$38.71	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Drillers Helper	\$35.81	<u>5D</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>5D</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>5D</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>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Elevator Hoisting Materials	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-</a>	Equipment Serviceman,	\$36.90	<u>5D</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>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Gin Trucks (pipeline)	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Grade Checker	\$37.06	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	H.d. Mechanic	\$37.61	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	H.d. Welder	\$37.61	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Helicopter Pilot	\$38.71	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Hoe Ram	\$37.06	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Hoist, Single Drum	\$36.13	<u>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Locomotive Engineer	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>

Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Longitudinal Float	\$36.13	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Mixer (portable - Concrete)	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Mixermobile	\$36.74	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Mucking Machine	\$36.74	<u>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Paving (dual Drum)	\$37.06	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Piledriving Engineers	\$37.06	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Plant Oiler	\$35.81	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Power Broom	\$36.13	<u>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Pumpman	\$35.81	<u>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Rotomill Groundsman	\$36.90	<u>5D</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>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Screed Operator	\$37.34	<u>5D</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>5D</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>5D</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>5D</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>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Spreader Machine	\$36.74	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Steam Cleaner	\$35.81	<u>5D</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>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Traverse Finish Machine	\$36.74	<u>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tug Boat Operator	\$37.34	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tugger Operator	\$36.13	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-</a>	Turnhead (with Re-screening)	\$36.90	<u>5D</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>5D</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>5D</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>5D</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>5D</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>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Welding Machine	\$35.81	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Whirleys & Hammerheads, All	\$37.61	<u>5D</u>	<u>1M</u>	<u>8D</u>
Grant	<a href="#">Power Line Clearance Tree Trimmers</a>	Journey Level In Charge	\$40.79	<u>5A</u>	<u>4A</u>	
Grant	<a href="#">Power Line Clearance Tree Trimmers</a>	Spray Person	\$38.73	<u>5A</u>	<u>4A</u>	
Grant	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Equipment Operator	\$40.79	<u>5A</u>	<u>4A</u>	
Grant	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Trimmer	\$36.50	<u>5A</u>	<u>4A</u>	
Grant	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Trimmer Groundperson	\$27.55	<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	\$8.55		<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	\$8.55		<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	\$8.55		<u>1</u>
Grant	<a href="#">Sign Makers &amp; Installers (Electrical)</a>	Journey Level	\$52.65	<u>5B</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	\$8.55		<u>1</u>
Grant	<a href="#">Sprinkler Fitters (Fire Protection)</a>	Journey Level	\$47.35	<u>5Q</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>	Chain Person	\$9.25		<u>1</u>
Grant	<a href="#">Surveyors</a>	Instrument Person	\$12.05		<u>1</u>
Grant	<a href="#">Surveyors</a>	Party Chief	\$15.05		<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 -</a>	Television System Technician	\$27.09	<u>5A</u>	<u>2B</u>

	<a href="#">Outside</a>				
Grant	<a href="#">Telephone Line Construction - Outside</a>	Television Technician	\$24.35	<u>5A</u>	<u>2B</u>
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	\$38.90	<u>5A</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 09-01-2010

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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.
  - A. ALL HOURS WORKED ON SATURDAYS, SUNDAYS AND HOLIDAYS SHALL ALSO 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.
  - 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.
  - 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.

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  - 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.
  - 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.
  - A. THE FIRST SIX (6) HOURS ON SATURDAY SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED IN EXCESS OF SIX (6) HOURS ON SATURDAY AND ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT TWO 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.

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- D. ALL HOURS WORKED ON SATURDAYS AND SUNDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. THE FIRST EIGHT (8) HOURS WORKED ON HOLIDAYS SHALL BE PAID AT STRAIGHT TIME IN ADDITION TO THE HOLIDAY PAY. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS ON HOLIDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- E. ALL HOURS WORKED ON SATURDAYS OR HOLIDAYS (EXCEPT LABOR DAY) SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON SUNDAYS OR ON LABOR DAY 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.
- 2. I. ALL HOURS WORKED ON SATURDAYS AND HOLIDAYS (EXCEPT LABOR DAY) SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON SUNDAYS AND ON LABOR DAY SHALL BE PAID AT TWO TIMES THE HOURLY RATE OF WAGE.
- J. ALL HOURS WORKED ON SUNDAYS 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 THE HOLIDAY PAY. ALL HOURS WORKED ON UNPAID HOLIDAYS SHALL BE PAID AT TWO 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.
- L. ALL HOURS WORKED ON SATURDAYS (OR ON THE REGULAR DAY OFF DURING A WORKWEEK OTHER THAN MONDAY THROUGH FRIDAY) AND HOLIDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE, EXCEPT LABOR DAY WHICH SHALL BE PAID AT DOUBLE THE HOURLY RATE. ALL HOURS WORKED MONDAY THROUGH SATURDAY OVER TWELVE (12) HOURS AND ALL HOURS WORKED ON SUNDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
- M. ALL HOURS WORKED ON SATURDAYS, SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
- 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.
- Q. ALL HOURS WORKED ON LABOR DAY SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
- R. ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS AND ALL HOURS WORKED OVER SIXTY (60) IN ONE WEEK SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
- 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.
- T. ALL HOURS WORKED ON SUNDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON HOLIDAYS SHALL BE PAID AT TWO AND ONE-HALF TIMES THE HOURLY RATE OF PAY, AND THIS RATE SHALL INCLUDE 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.
- V. ALL HOURS WORKED ON SATURDAYS AND ON MAKE-UP 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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- 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.
  - X. ALL HOURS WORKED MONDAY THROUGH FRIDAY BETWEEN THE HOURS OF 6:00 P.M. AND 6:00 A.M. AND ALL HOURS 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.
- 4A. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON SATURDAYS, SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.

**HOLIDAY CODES**

- 5. A. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (7).
- B. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, THE DAY BEFORE CHRISTMAS, AND CHRISTMAS DAY (8).
- C. HOLIDAYS: NEW YEAR'S DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8).
- D. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AND SATURDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8).
- E. HOLIDAYS: NEW YEAR'S DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, PRESIDENTIAL ELECTION DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8).
- F. 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, AND CHRISTMAS DAY (11).
- G. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE LAST WORK DAY BEFORE CHRISTMAS DAY, AND CHRISTMAS DAY (7).
- 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).
- M. HOLIDAYS: NEW YEAR'S DAY, MARTIN LUTHER KING JR. DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, THE DAY BEFORE CHRISTMAS AND CHRISTMAS DAY (9).
- 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.

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- Q. PAID HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, AND CHRISTMAS DAY (6).
- R. PAID HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, DAY AFTER THANKSGIVING DAY, ONE-HALF DAY BEFORE CHRISTMAS DAY, AND CHRISTMAS DAY. (7 1/2).
- 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).
- U. PAID HOLIDAYS: NEW YEAR'S DAY, MARTIN LUTHER KING JR. DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, AND CHRISTMAS DAY (8).
- V. PAID HOLIDAYS: SIX (6) PAID HOLIDAYS.
- W. PAID HOLIDAYS: NINE (9) PAID HOLIDAYS.
- X. HOLIDAYS: AFTER 520 HOURS - NEW YEAR'S DAY, THANKSGIVING DAY AND CHRISTMAS DAY. AFTER 2080 HOURS - NEW YEAR'S DAY, WASHINGTON'S BIRTHDAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, CHRISTMAS DAY AND A FLOATING HOLIDAY (8).
- Y. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, PRESIDENTIAL ELECTION DAY, THANKSGIVING DAY, THE FRIDAY FOLLOWING THANKSGIVING DAY, AND CHRISTMAS DAY (8).
- 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).
- B. PAID HOLIDAYS: NEW YEAR'S EVE DAY, NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, CHRISTMAS EVE'S DAY, AND CHRISTMAS DAY (9).
- C. HOLIDAYS: NEW YEAR'S DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE DAY AFTER THANKSGIVING DAY, THE LAST WORK DAY BEFORE CHRISTMAS DAY, AND CHRISTMAS DAY (9).
- D. PAID HOLIDAYS: NEW YEAR'S DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, CHRISTMAS DAY, THE DAY BEFORE OR THE DAY AFTER CHRISTMAS DAY (9).
- 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).
- J. PAID HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, CHRISTMAS DAY, THE DAY AFTER CHRISTMAS, AND A FLOATING HOLIDAY (9).
- L. 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)
- 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.

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- 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).
- U. HOLIDAYS: NEW YEAR'S DAY, DAY BEFORE NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, THE DAY BEFORE CHRISTMAS DAY, CHRISTMAS DAY (9).
- V. PAID HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, DAY AFTER THANKSGIVING DAY, CHRISTMAS EVE DAY, CHRISTMAS DAY, AND ONE DAY OF THE EMPLOYEE'S CHOICE (9).
- W. PAID HOLIDAYS: NEW YEAR'S DAY, DAY BEFORE NEW YEAR'S DAY, PRESIDENTS DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, DAY AFTER THANKSGIVING DAY, CHRISTMAS DAY, DAY BEFORE OR AFTER CHRISTMAS DAY (10).
- X. 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, DAY BEFORE OR AFTER CHRISTMAS DAY, EMPLOYEE'S BIRTHDAY (11).
- Y. PAID HOLIDAYS: NEW YEAR'S DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, CHRISTMAS DAY, AND A FLOATING HOLIDAY (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.

**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
- 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.

**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**

<b>ITEM DESCRIPTION</b>	<b>YES</b>	<b>NO</b>
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 09/01/2010**

\*\*\*\*\*

(See Benefit Code Key)

Classification Code	Prevailing Wage	Overtime Code	Holiday Code
---------------------	--------------------	------------------	-----------------

Counties Covered:

**ADAMS, ASOTIN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, KITTITAS  
 LINCOLN, OKANOGAN, PEND ORIELLE, STEVENS, WALLA WALLA AND WHITMAN**

FITTER/WELDER	\$12.76	1	
LABORER	\$8.55	1	
MACHINE OPERATOR	\$12.66	1	
PAINTER	\$10.20	1	

Counties Covered:

**BENTON**

MACHINE OPERATOR	\$10.53	1	
PAINTER	\$9.76	1	
WELDER	\$16.70	1	
		1	

Counties Covered:

**CHELAN**

FITTER	\$15.04	1	
LABORER	\$9.54	1	
MACHINE OPERATOR	\$9.71	1	
PAINTER	\$9.93	1	
WELDER	\$12.24	1	

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	

**METAL FABRICATION (IN SHOP)  
EFFECTIVE 09/01/2010**

\*\*\*\*\*

(See Benefit Code Key)

Classification Code	Prevailing Wage	Overtime Code	Holiday Code
Counties Covered: <b>CLARK</b>			
FITTER	\$27.49	1E	6H
LABORER	\$19.21	1E	6H
LAYEROUT	\$28.77	1E	6H
MACHINE OPERATOR	\$28.77	1E	6H
PAINTER	\$25.31	1E	6H
WELDER	\$26.89	1E	6H
Counties Covered: <b>COWLITZ</b>			
MACHINE OPERATOR	\$25.33	1B	
FITTER	\$25.33	1B	
WELDER	\$25.33	1B	
Counties Covered: <b>GRANT</b>			
FITTER/WELDER	\$10.79	1	
PAINTER	\$8.55	1	
Counties Covered: <b>KING</b>			
FITTER	\$15.86	1	
LABORER	\$9.78	1	
MACHINE OPERATOR	\$13.04	1	
PAINTER	\$11.10	1	
WELDER	\$15.48		
Counties Covered: <b>KITSAP</b>			
FITTER	\$26.96	1	
LABORER	\$8.55	1	
MACHINE OPERATOR	\$13.83	1	
WELDER	\$13.83	1	

**METAL FABRICATION (IN SHOP)  
EFFECTIVE 09/01/2010**

\*\*\*\*\*

(See Benefit Code Key)

Classification Code	Prevailing Wage	Overtime Code	Holiday Code
---------------------	--------------------	------------------	-----------------

Counties Covered:  
**KLICKITAT, SKAMANIA, WAHKIAKUM**

FITTER/WELDER	\$16.99	1	
LABORER	\$10.44	1	
MACHINE OPERATOR	\$17.21	1	
PAINTER	\$17.03	1	

Counties Covered:  
**PIERCE**

FITTER	\$15.25	1	
LABORER	\$10.32	1	
MACHINE OPERATOR	\$13.98	1	
WELDER	\$13.98	1	

Counties Covered:  
**SNOHOMISH**

FITTER/WELDER	\$15.38	1	
LABORER	\$9.79	1	
MACHINE OPERATOR	\$8.84	1	
PAINTER	\$9.98	1	

Counties Covered:  
**SPOKANE**

FITTER	\$12.59	1	
LABORER	\$8.55	1	
MACHINE OPERATOR	\$13.26	1	
PAINTER	\$10.27	1	
WELDER	\$10.80	1	

**METAL FABRICATION (IN SHOP)  
EFFECTIVE 09/01/2010**

\*\*\*\*\*

(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 09/01/2010**

\*\*\*\*\*

(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>			
ALL CLASSIFICATIONS	\$9.96	1	
Counties Covered: <b>CHELAN, KITTITAS, KLICKITAT AND SKAMANIA</b>			
ALL CLASSIFICATIONS	8.61	1	
Counties Covered: <b>CLALLAM, CLARK, COWLITZ, GRAYS HARBOR, ISLAND, JEFFERSON, KITSAP, LEWIS, MASON, PACIFIC, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WAHKIAKUM</b>			
ALL CLASSIFICATIONS	\$13.50	1	
Counties Covered: <b>FRANKLIN</b>			
ALL CLASSIFICATIONS	\$11.50	1	
Counties Covered: <b>KING</b>			
ALL CLASSIFICATIONS	\$13.60	2K	5B
Counties Covered: <b>PIERCE</b>			
ALL CLASSIFICATIONS	\$9.28	1	
Counties Covered: <b>SPOKANE</b>			
ALL CLASSIFICATIONS	\$20.23	1	
Counties Covered: <b>WHATCOM</b>			
ALL CLASSIFICATIONS	\$13.67	1	
Counties Covered: <b>YAKIMA</b>			
CRAFTSMAN	\$8.72	1	
LABORER	\$8.55	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.]

# CONSTRUCTION SIGN PLAN

DATE: 2/3/2011

PROJ. NAME

R NE RECONSTRUCTION

CRP # 08-13, 10-05 PROJ # 4139

ITEM #	MUTCD #	QTY	SIGN	# CHK	# CHK	DESCRIPTION	SIZE	COLOR
			STATUS	OUT	IN			
1	W20-1	4				ROAD WORK AHEAD	36 X 36	B/O
2	W20-3	2				ROAD CLOSED AHEAD	36 X 36	B/O
3	W8-3	2				PAVEMENT ENDS	36 X 36	B/O
4	W8-1	4				ROUGH ROAD	36 X 36	B/O
5	W21-1701A	4				MC USE EXTREME CAUTION	30X24	B/O
6	R11-4	2				R NE CLOSED FROM WILSON CREEK TO 27 NE	48X60	B/O
7	R11-4	1				R NE CLOSED 14 MI. AHEAD 27 NE TO WILSON CREEK	48X60	B/O
8	TYPE 3	10	CONTRACTOR PROVIDED			BARRICADES		
9	R11-4	2				ROAD CLOSED TO THRU TRAFFIC	60X30	B/W
10	G20-1	2				ROAD WORK NEXT 4 MI.	60X24	B/W
11	W13-1	2				35 MPH ADVISORY	24X24	B/O
12	PLAQUE	3				USE ALTERNATE ROUTE	24X30	B/O
9-A	R11-3	4				BRIDGE OUT	60X30	B/W
10-B	R11-2	2				BRIDGE OUT 500 FEET	36X36	B/O
11-C	R11-3	1				BRIDGE OUT 1 MI. AHEAD	60X30	B/W
12-D	R11-3	1				BRIDGE OUT 2 MI. AHEAD	60X30	B/W
13-E	R11-2	4				ROAD CLOSED	48X30	B/W

**\*NOTE: 1**

CLASS "B" WORK ZONE FLAGGER SIGNS TO BE PROVIDED BY CONTRACTOR ON TEMPORARY STANDS. IF NECESSARY SIGNS LEFT OVERNIGHT WILL HAVE FLASHERS ATTACHED.

**\*NOTE: 2**

SIGN TO BE MOUNTED ON ONE (1) EACH TYPE III BARRICADE WITH FLASHERS. MIN EIGHT (8) FT WIDE

--|---|--- IS THE SYMBOL FOR TWO (2) EACH TYPE III BARRICADES WITH FLASHERS ON THE SIGN PLAN MAP

THERE ARE A TOTAL OF 10 TYPE III BARRICADES ON THIS PROJECT.

**\*NOTE: 3**

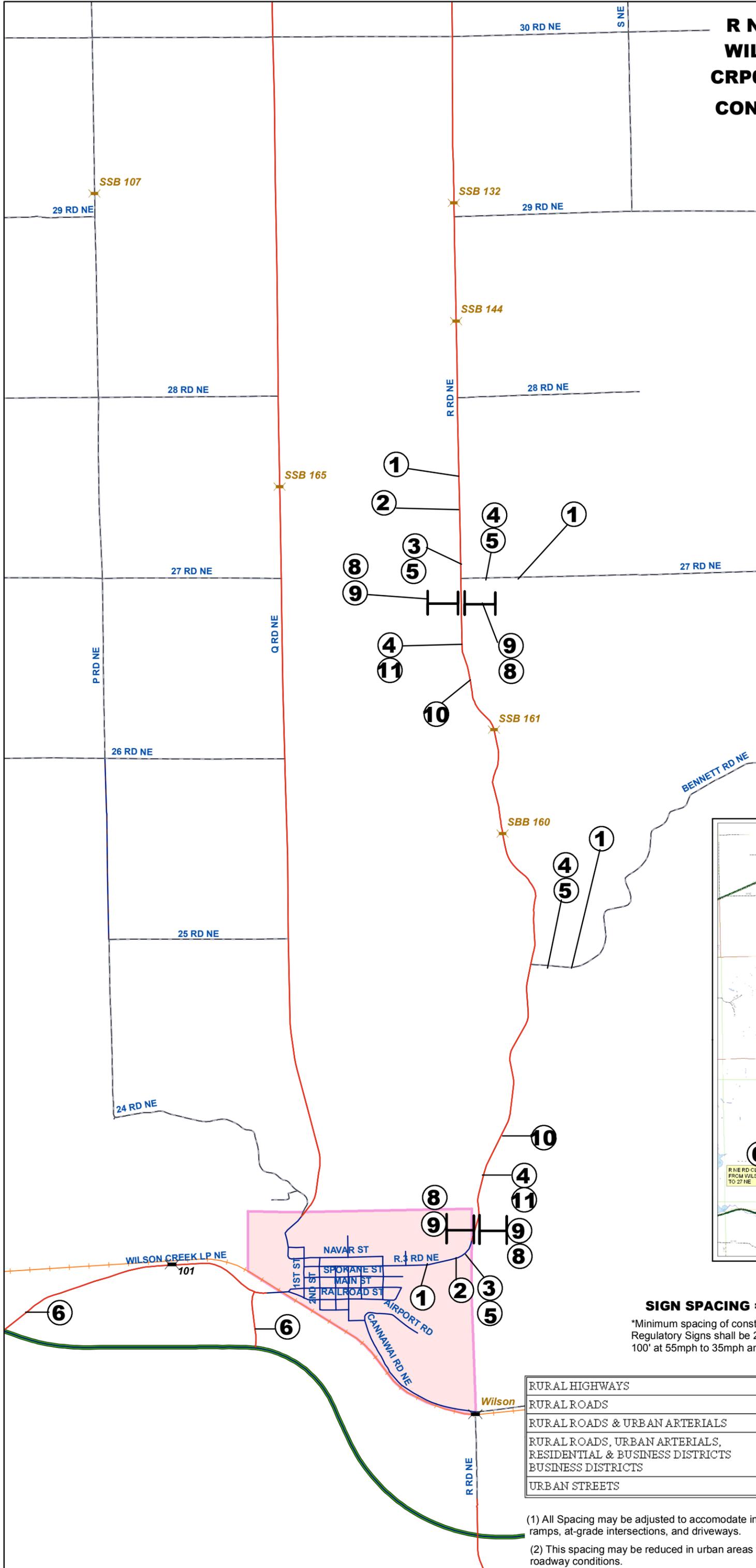
CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF ALL CONSTRUCTION SIGNS AND THE REPLACEMENT OF ALL REMOVED STOP SIGNS. OTHER TRAFFIC SIGNS THAT ARE REMOVED ARE TO BE STORED AT A SITE DETERMINED BY THE PROJECT INSPECTOR. PORTABLE SIGNS AND TRAFFIC CONTROL DEVICES LISTED ARE NOT INTENDED TO BE COMPLETE. OTHER SIGNS MAY BE REQUIRED WITHIN THE PROJECT LIMITS TO ACCOMMODATE CONTRACTORS WORK METHODS.

CHECK OUT--CONTRACTORS REP: \_\_\_\_\_ DATE \_\_\_\_\_

CHECK IN--ALL SIGNS IN GOOD ORDER OR AS OTHERWISE NOTED: \_\_\_\_\_

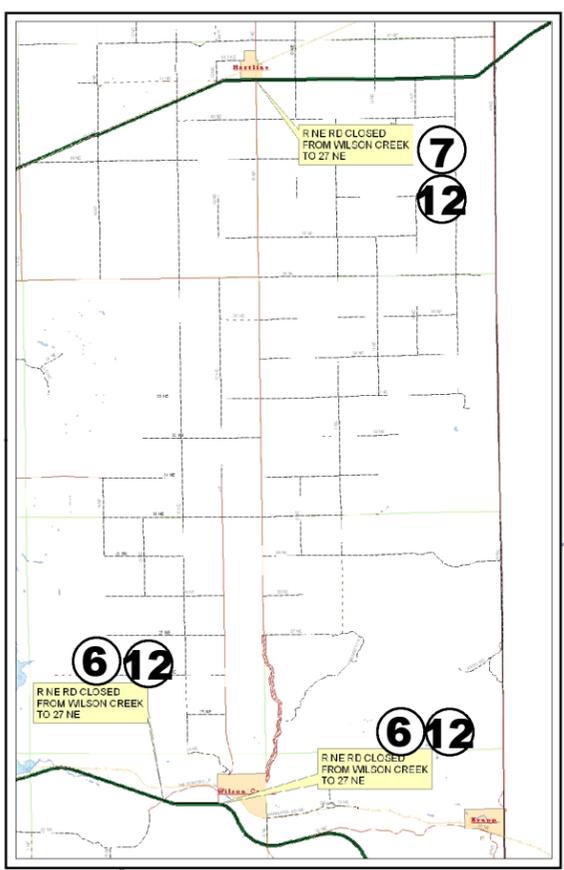
CHECK IN--COUNTY REP: \_\_\_\_\_ DATE \_\_\_\_\_

**R NE RECONSTRUCTION  
WILSON CREEK TO 27 NE  
CRP08-13, 10-05 PROJ#4139  
CONSTRUCTION SIGN PLAN  
2 OF 4**



**ALL SIGNS SHALL BE HIGH INTENSITY**

①	4	ROAD WORK AHEAD
②	2	ROAD CLOSED AHEAD
③	2	PAVEMENT ENDS
④	4	ROUGH ROAD
⑤	4	MOTORCYCLES USE EXTREME CAUTION
⑥	2	R NE CLOSED FROM WILSON CREEK TO 27 NE
⑦	1	R NE CLOSED 14 MILES AHEAD 27 NE TO WILSON CREEK
⑧	4	TYPE III BARRICADES
⑨	2	ROAD CLOSED TO THRU TRAFFIC
⑩	2	ROAD WORK NEXT 4 MILES
⑪	2	35 MPH
⑫	2	USE ALTERNATE ROUTE



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

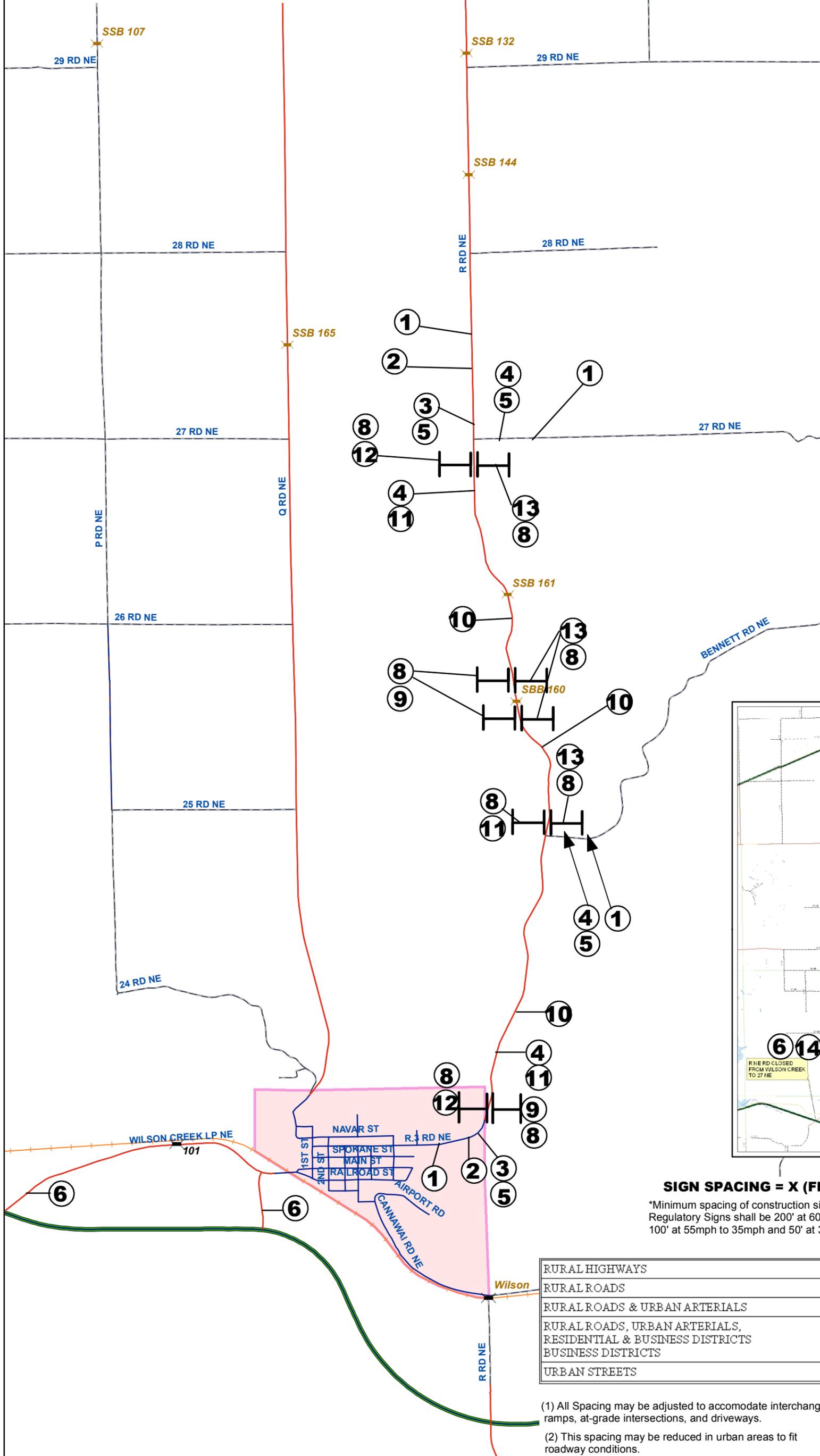
\*Minimum spacing of construction signs to roadway:  
Regulatory Signs shall be 200' at 60mph,  
100' at 55mph to 35mph and 50' at 30mph or less.



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)
URBAN STREETS	25 MPH/ LESS	100±

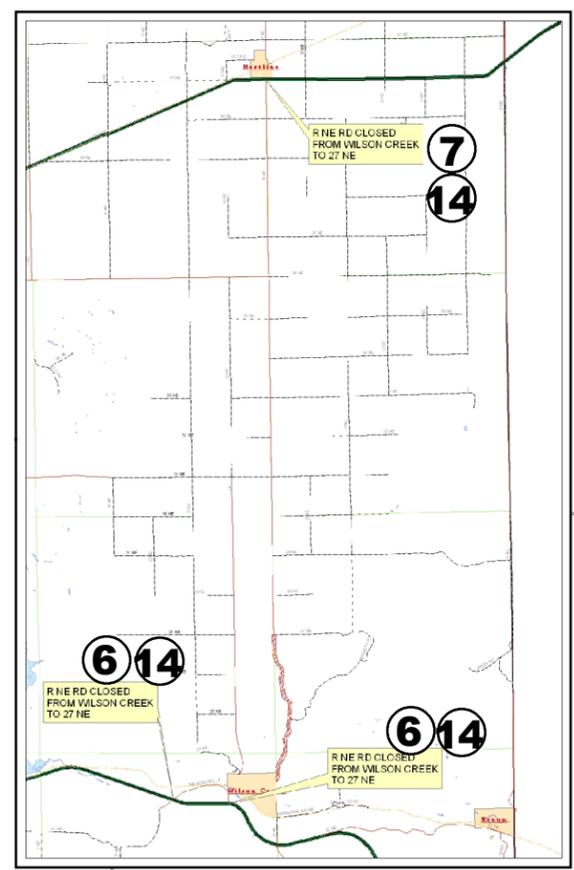
(1) All Spacing may be adjusted to accommodate interchange ramps, at-grade intersections, and driveways.  
(2) This spacing may be reduced in urban areas to fit roadway conditions.

**R NE RECONSTRUCTION  
BRIDGE 160  
WILSON CREEK TO 27 NE  
CRP08-13, 10-05 PROJ#4139  
CONSTRUCTION SIGN PLAN  
3 OF 4**



ALL SIGNS SHALL BE HIGH INTENSITY

①	4	
②	2	
③	2	
④	1	
⑤	2	
⑥	2	
⑦	1	
⑧	10	
⑨	4	
⑩	2	
⑪	1	
⑫	1	
⑬	4	
⑭	3	



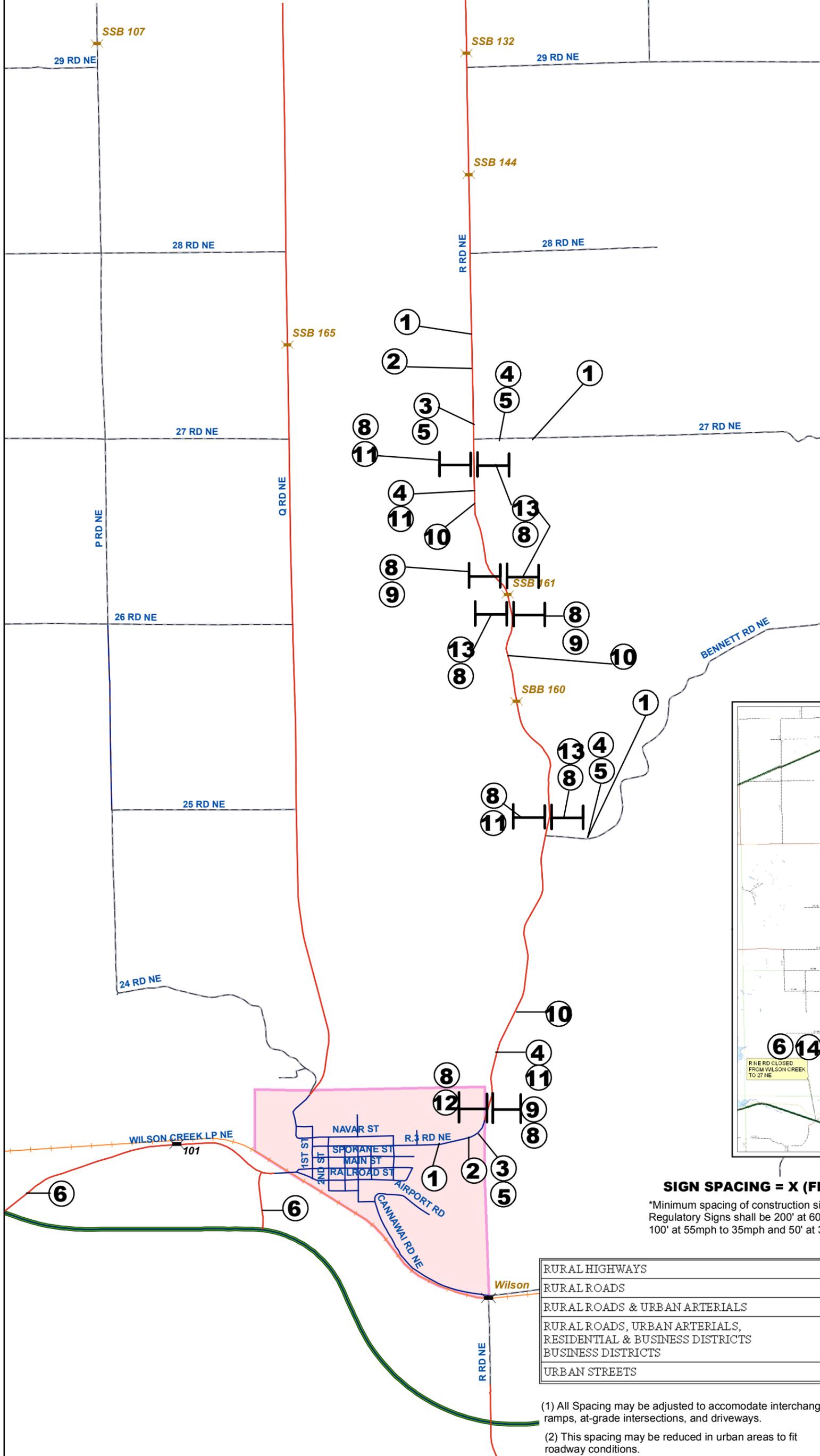
**SIGN SPACING = X (FEET) (1)**  
 \*Minimum spacing of construction signs to roadway:  
 Regulatory Signs shall be 200' at 60mph,  
 100' at 55mph to 35mph and 50' at 30mph or less.



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 BUSINESS DISTRICTS	35/40 MPH	200± (2)
URBAN STREETS	25 MPH/ LESS	100±

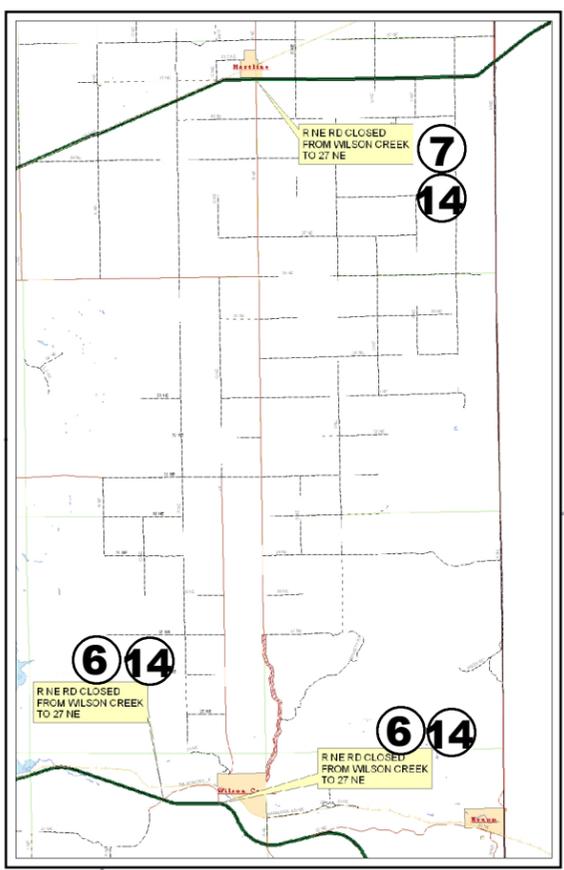
(1) All Spacing may be adjusted to accommodate interchange ramps, at-grade intersections, and driveways.  
 (2) This spacing may be reduced in urban areas to fit roadway conditions.

**R NE RECONSTRUCTION  
BRIDGE 161  
WILSON CREEK TO 27 NE  
CRP08-13, 10-05 PROJ#4139  
CONSTRUCTION SIGN PLAN  
4 OF 4**



**ALL SIGNS SHALL BE HIGH INTENSITY**

①	4	
②	2	
③	2	
④	1	
⑤	2	
⑥	2	
⑦	1	
⑧	10	
⑨	4	
⑩	2	
⑪	1	
⑫	1	
⑬	4	
⑭	3	

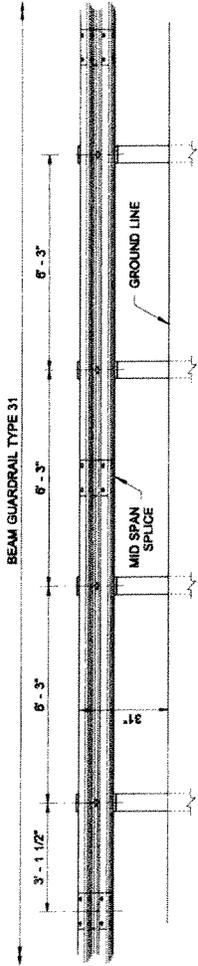


**SIGN SPACING = X (FEET) (1)**  
 \*Minimum spacing of construction signs to roadway:  
 Regulatory Signs shall be 200' at 60mph,  
 100' at 55mph to 35mph and 50' at 30mph or less.

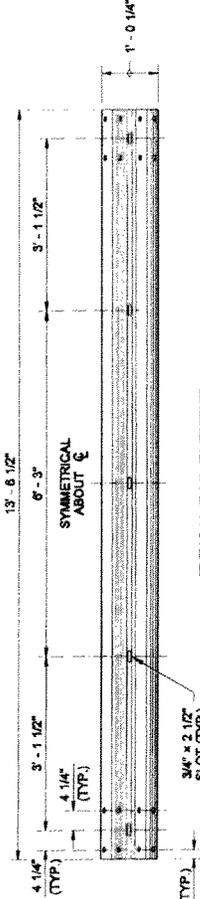


RURAL HIGHWAYS	55/70 MPH	800±
RURAL ROADS	60/65 MPH	500±
RURAL ROADS & URBAN ARTERIALS	45/55 MPH	350±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS BUSINESS DISTRICTS	35/40 MPH	200± (2)
URBAN STREETS	25 MPH/ LESS	100±

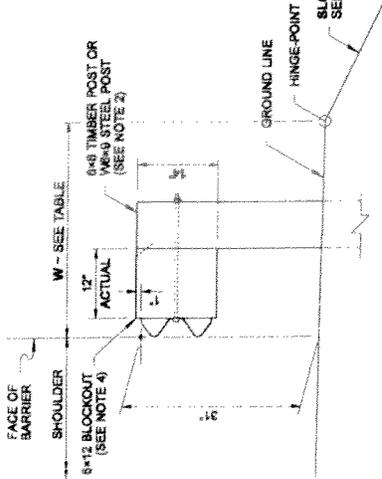
(1) All Spacing may be adjusted to accommodate interchange ramps, at-grade intersections, and driveways.  
 (2) This spacing may be reduced in urban areas to fit roadway conditions.



TYPICAL ELEVATION

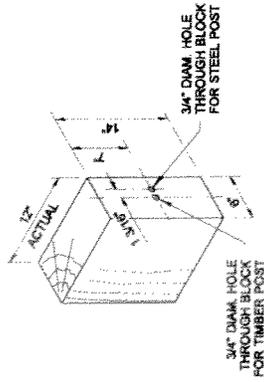


TYPICAL RAIL ELEMENT

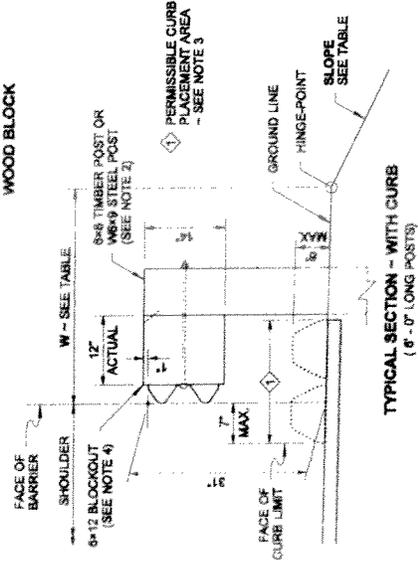


TYPICAL SECTION - WITHOUT CURB  
( 6'-0" LONG POSTS)

SLOPE EMBANKMENT TABLE	
SLOPE	W
2H:1V OR FLATTER	2.5' MIN.
STEEPER THAN 2H:1V	4.0' MIN.
STEEPER THAN 1H:1V	4.0' MIN.



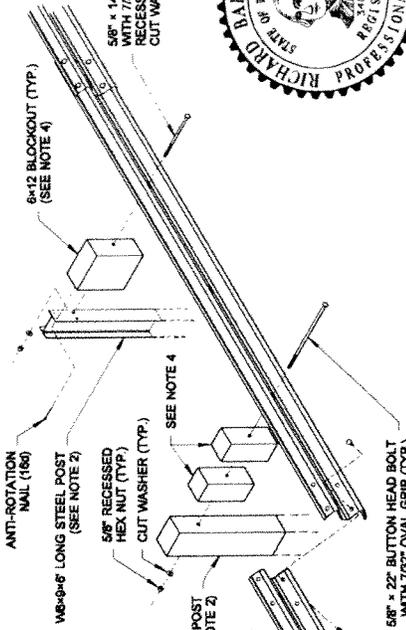
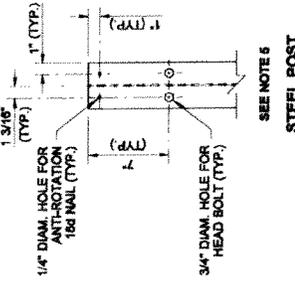
WOOD BLOCK



TYPICAL SECTION - WITH CURB  
( 6'-0" LONG POSTS)

NOTES

1. Refer to Standard Plan C-1 and C-1b, for additional details not shown on this plan.
2. All posts for any standard barrier run shall be of the same type: Timber or Steel.
3. See Contract for type of curb required. See Standard Plans for dimensions.
4. Use a single or combination of blocks to achieve the actual 12" offset. See Standard Specification 9-16.3 (2). Wood blocks shall be toe-nailed to post (and blocks, if block combinations are utilized) with a 16d galvanized nail to prevent block rotation.
5. On steel posts, attach blockouts using bolt holes on approaching traffic side of post web.

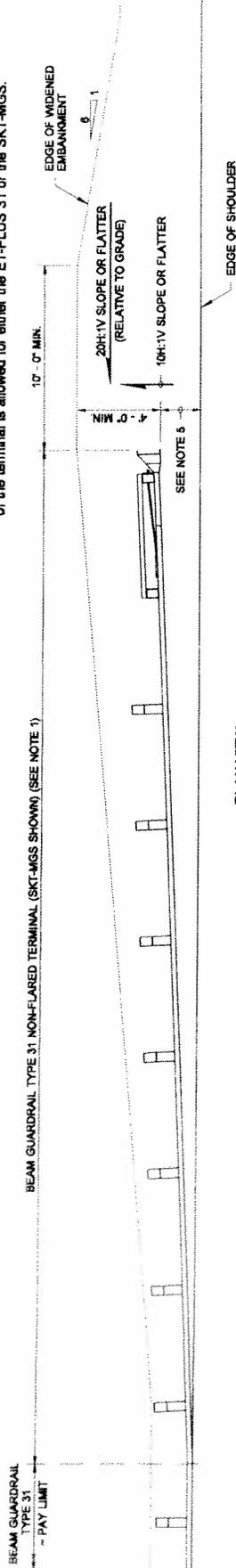


**BEAM GUARDRAIL TYPE 31**  
**STANDARD PLAN C-28.40-00**  
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION  
**Ken L. Smith**  
DATE: 02-06-07  
BY: [Signature]  
Washington State Department of Transportation

**NOTES**

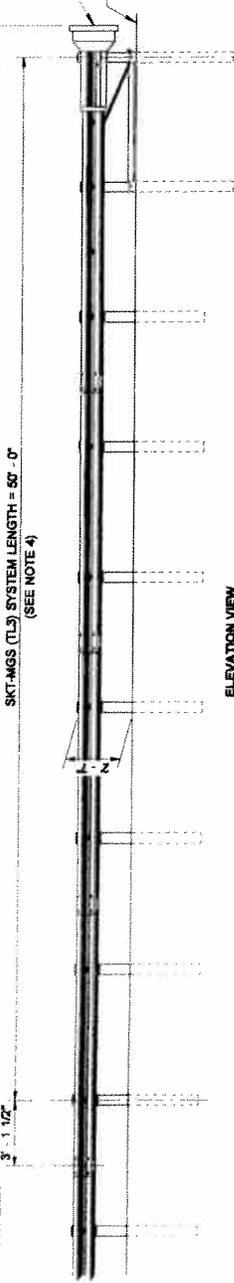
1. An ET-PLUS 31 as manufactured by Trinity Industries, Inc. or an SKT-MGS as manufactured by Road Systems Inc. shall be installed according to manufacturer's recommendations.
2. A reflectorized object marker shall be installed according to manufacturer's recommendations.
3. When snow load post washers and snow load rail washers are required by the contract, the snow load rail washers shall not be installed within the terminal limits.
4. Terminal shall be installed at a widening, ensuring that the end piece is entirely off the shoulder.
5. While these terminals do not require an offset at the end, a flare is recommended so that the end piece does not protrude into the shoulder. A maximum flare of 25:1 over the system length of the terminal is allowed for either the ET-PLUS 31 or the SKT-MGS.



**PLAN VIEW  
(FOR BOTH SYSTEMS)**

**BEAM GUARDRAIL  
TYPE 31  
- PAY LIMIT**

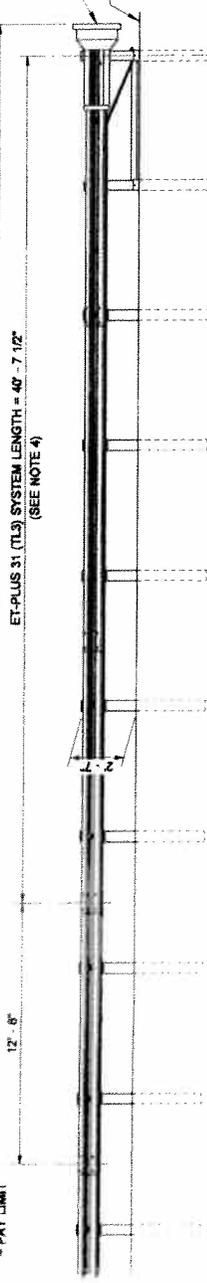
**BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL - PAY LIMIT  
SKT-MGS (TL9) SYSTEM LENGTH = 50' - 0"  
(SEE NOTE 4)**



**ELEVATION VIEW  
SKT-MGS**

**BEAM GUARDRAIL  
TYPE 31  
- PAY LIMIT**

**BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL - PAY LIMIT  
ET-PLUS 31 (TL9) SYSTEM LENGTH = 40' - 7 1/2"  
(SEE NOTE 4)**



**ELEVATION VIEW  
ET-PLUS 31**



EXPIRES: JULY 24, 2008

**BEAM GUARDRAIL TYPE 31  
NON-FLARED TERMINAL  
STANDARD PLAN C-22.40-01**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

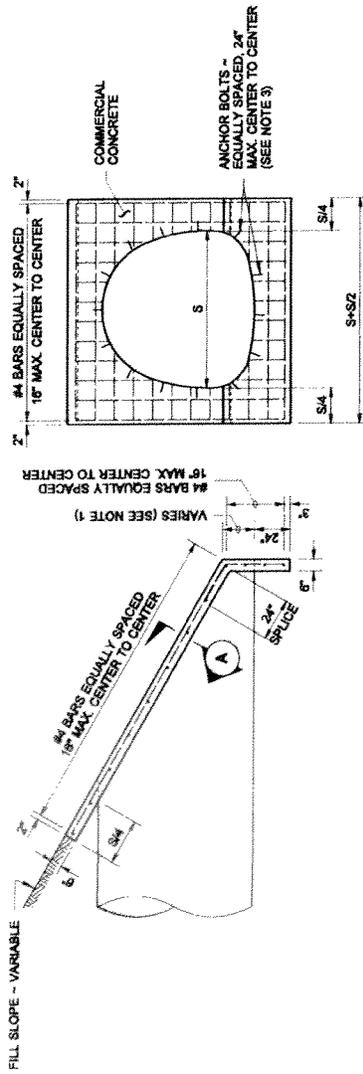
**Pasco Bakodch III** 10-05-07

STATE DESIGN ENGINEER

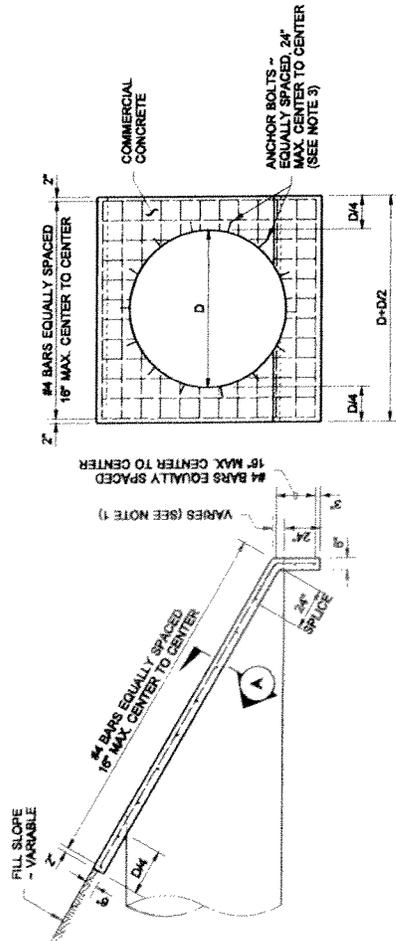
Washington State Department of Transportation

DATE	REVISION	BY
08/2007	REVISED LENGTH OF ET-PLUS 31	MAS

NOTE: THE PLAN IS NOT A FINAL ENGINEERING DOCUMENT. IT IS FOR INFORMATION ONLY. THE ORIGINAL DRAWING SHALL BE REFERENCED FOR ALL TECHNICAL INFORMATION. A COPY MAY BE OBTAINED UPON REQUEST.

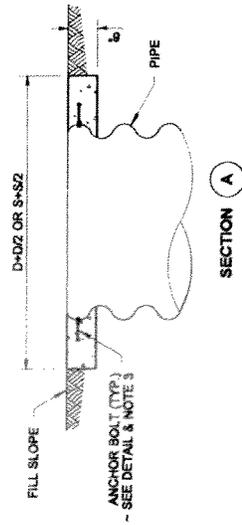


STRUCTURAL PLATE PIPE ARCHES AND UNDERPASSES



STEP MITERED PIPE

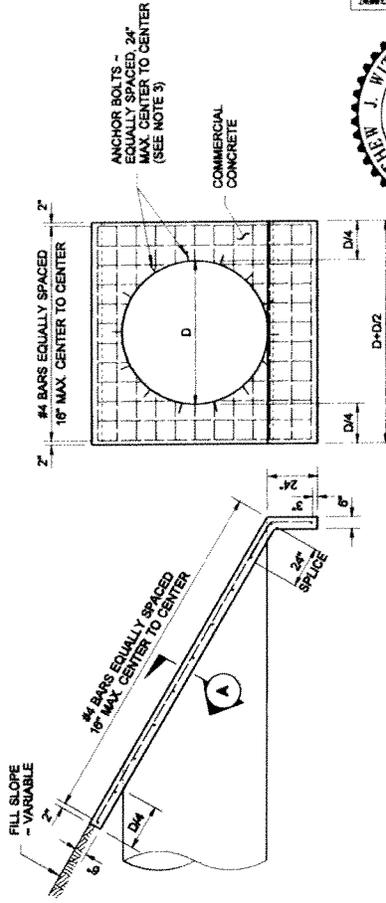
PIPES AND STRUCTURAL PLATE PIPES



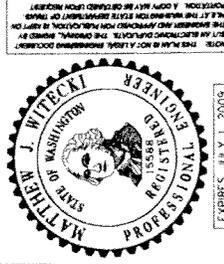
ANCHOR BOLT DETAIL

NOTES

1. The variable dimension indicated for the height of step for step mitered pipes shall conform to the manufacturers recommendations unless specified differently on the plans or in the Special Provisions.
2. Reinforcing steel shall have 1 1/2" min. clear cover to all concrete surfaces.
3. Headwalls for concrete culvert pipe may omit anchor bolt attachment.
4. When steel pipe safety bars are used, headwall thickness shall be increased to 8".



FULL MITERED PIPE



HEADWALLS FOR CULVERT  
PIPE AND UNDERPASS  
STANDARD PLAN B-75.20-01

SHEET 1 OF 1 SHEET

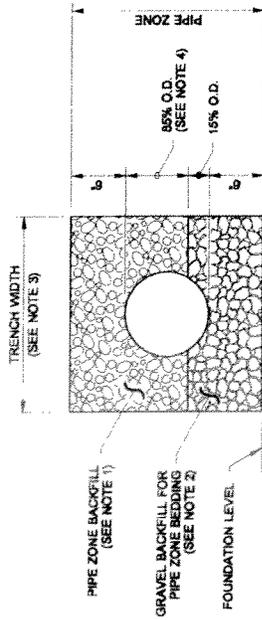
APPROVED FOR PUBLICATION

Pasco Bakotich III  
STATE DESIGN ENGINEER

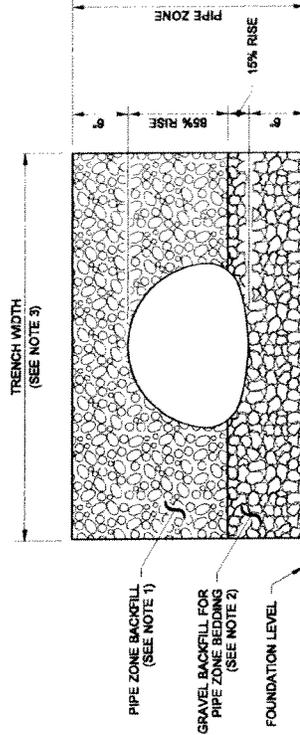
06-10-08  
DATE



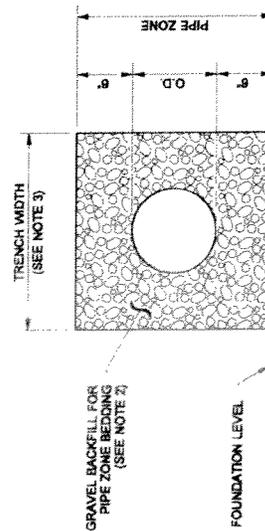
- NOTES**
1. See Standard Specifications Section 7-08.3(3) for Pipe Zone Backfill.
  2. See Standard Specifications Section 9-03.12(3) for Gravel Backfill for Pipe Zone Bedding.
  3. See Standard Specifications Section 2-06.4 for Measurement of Trench Width.
  4. For sanitary sewer installation, concrete pipe shall be bedded to spring line.



**CONCRETE AND DUCTILE IRON PIPE**

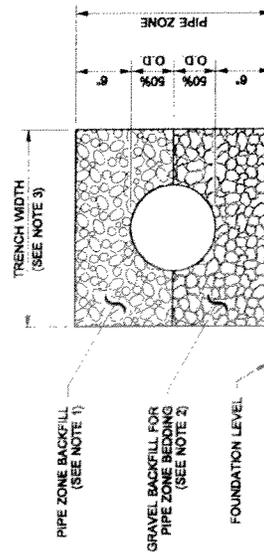


**PIPE ARCHES**



**THERMOPLASTIC PIPE**

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



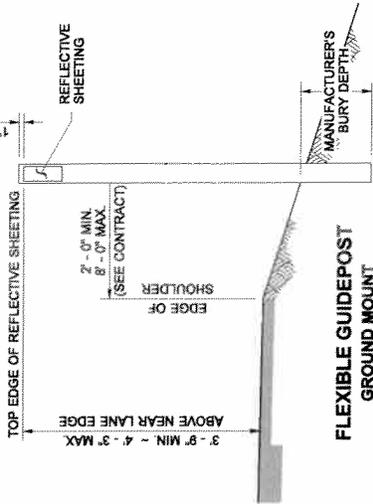
**METAL PIPE**

NOTE: THIS PLAN IS NOT A LEGAL INSTRUMENT DOCUMENT. IT IS A TECHNICAL PUBLICATION. THE ORIGINAL SHOULD BE REFERENCED FOR ANY AND ALL REVISIONS AND FOR THE LATEST REVISIONS. THIS PLAN IS NOT TO BE USED FOR CONSTRUCTION. A COPY MAY BE OBTAINED UPON REQUEST.

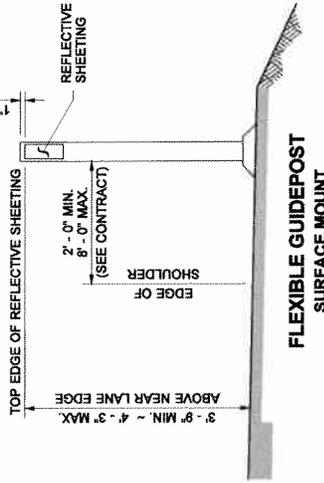
MATTHEW J. WITBECKI  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WASHINGTON  
EXPIRES JULY 1, 2007

**PIPE ZONE BEDDING AND BACKFILL**  
**STANDARD PLAN B-55.20-00**

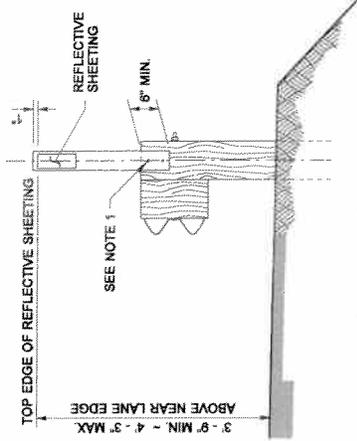
SHEET 1 OF 1 SHEET  
APPROVED FOR PUBLICATION  
**Harold J. Peterfeso**  
STATE DESIGN ENGINEER  
Washington State Department of Transportation  
DATE: 06-01-06



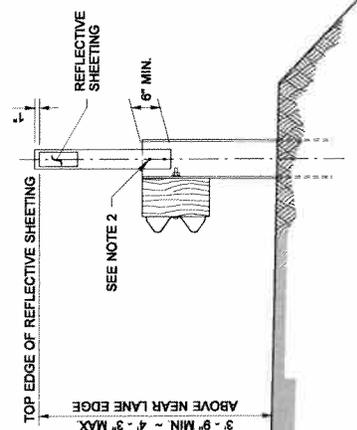
**FLEXIBLE GUIDEPOST GROUND MOUNT**



**FLEXIBLE GUIDEPOST SURFACE MOUNT**



**FLEXIBLE GUIDEPOST GUARDRAIL MOUNT**  
(USE FOR WOODEN GUARDRAIL POSTS)



**FLEXIBLE GUIDEPOST GUARDRAIL MOUNT**  
(USE FOR STEEL GUARDRAIL POSTS)

**NOTES**

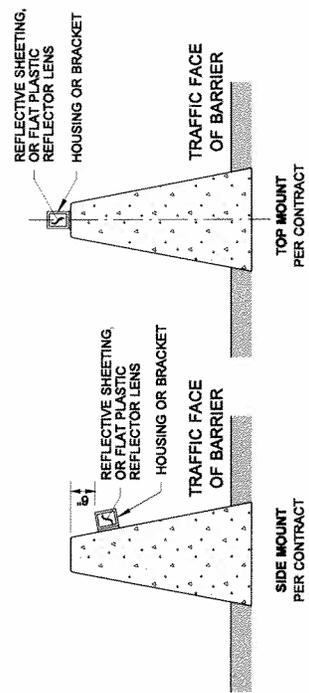
1. Guideposts shall be fastened to the guardrail post using two 2" x 3/8" lag screws with washers, along centerline of post. Also acceptable is any approved attachment method submitted by the guidepost manufacturer.
2. Guideposts shall be fastened to the guardrail posts using two galvanized 2" x 3/8" bolts with a washer on both sides, a lock washer and nut. The nut shall be tightened to properly compress the lock washer. The drilled holes in the guardrail post web shall be painted with galvanizing repair paint as described in Standard Specification Section 8-11.3(1)C. Also acceptable is any approved attachment method submitted by the guidepost manufacturer.
3. When the Contract Plans requires a Guidepost with barrier runs, the Contractor shall either:
  - A. Drive the flexible guidepost in line with the guardrail posts, or
  - B. Mount the shorter flexible guidepost onto the guardrail post.
4. When concrete barrier runs concurrent, the contractor shall mount barrier delineators where guideposts are required.

GUIDEPOST TYPE DEFINITIONS - REFLECTIVE SHEETING APPLICATIONS				
TYPE W	TYPE WW	TYPE Y	TYPE YY	
				BACK SIDE 
WHITE	WHITE	YELLOW	YELLOW	YELLOW

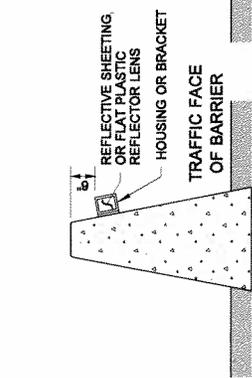
**BARRIER DELINEATOR REQUIREMENTS**

- Spacing of Barrier Delineators shall be as shown in the plans.
- The housing or bracket can be flexible or rigid, molded from a durable plastic or other durable material approved by the engineer, and shall be attached to the barrier with an adhesive recommended by the manufacturer. The attachment point on the barrier surface shall be free of dirt, curing compound, moisture, paint, or any other matter that would adversely affect the adhesive bond.
- Barrier Delineators shall be one-sided for single direction traffic, or two-sided for bi-directional traffic. Color shall be white on the right of traffic, and yellow on the left of traffic.
- The reflective surface shall be rectangular or trapezoidal.
- Reflective Sheeting: 12 square inches minimum surface area; Type III, IV, V, or VI, selected from approved materials listed in the Qualified Products List.
- Plastic Reflector: 9 square inches minimum surface area; acrylic or polycarbonate conforming to AASHTO M 290. Reflectors shall equal or exceed the following minimum values of Specific Intensity:

OBSERVATION ANGLE	ENTRANCE ANGLE	SPECIFIC INTENSITY (cd/ft <sup>2</sup> )	
		WHITE	YELLOW
0.1°	0°	126	75
0.1°	20°	50	30



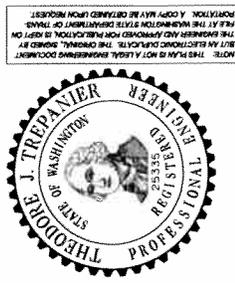
**TOP MOUNT PER CONTRACT**



**SIDE MOUNT PER CONTRACT**

**BARRIER DELINEATORS**

(CONCRETE BARRIER TYPES AND LOCATIONS VARY. SINGLE SLOPE IN MEDIAN SHOWN)



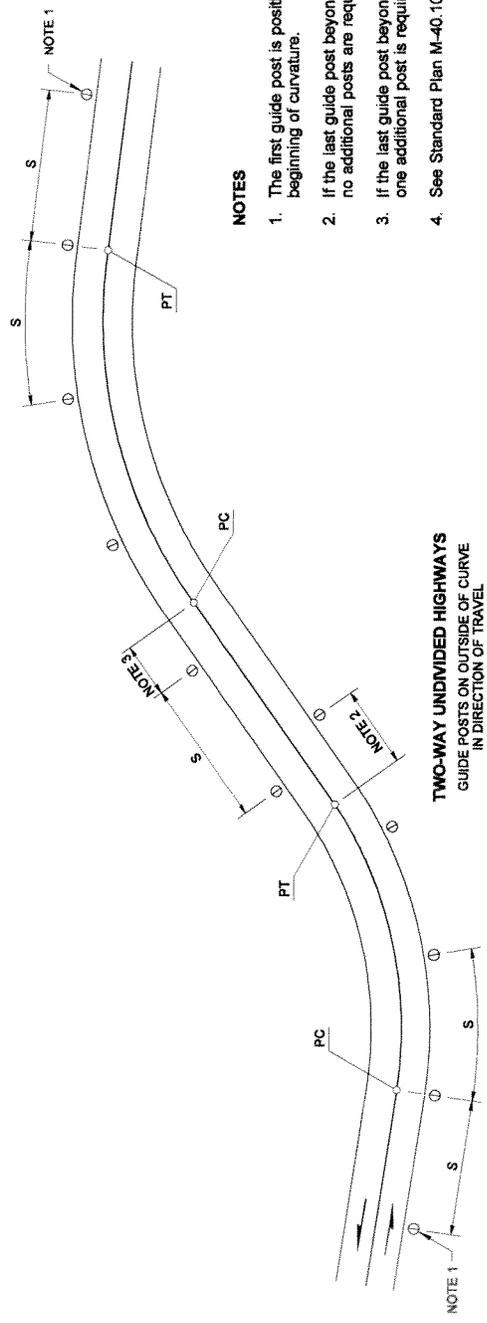
**GUIDEPOSTS AND BARRIER DELINEATORS**  
**STANDARD PLAN M-40.10-01**  
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION  
**Pasco Bakofich III**  
 STATE DESIGN ENGINEER  
 DATE: **06-03-10**  
 Washington State Department of Transportation

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT. THE ENGINEER AND APPROVER HAVE REVIEWED THE PLAN FOR CONFORMANCE WITH THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROADWAY CONSTRUCTION. A COPY MAY BE OBTAINED UPON REQUEST.

GUIDE POST SPACING (FEET)	
RADIUS	S
50	20
115	25
150	30
200	35
250	40
300	50
400	55
500	65
600	70
700	75
800	80
900	85
1,000	90
1,200	100
1,700	120
2,300	140
2,800	160
3,700	180
4,500	200
5,500	220
6,500	240
7,800	260
8,800	280
10,000	300
R>10,000	300

TABLE FOR RADII NOT SHOWN  
INTERPOLATE FROM THE



**TWO-WAY UNDIVIDED HIGHWAYS**  
GUIDE POSTS ON OUTSIDE OF CURVE  
IN DIRECTION OF TRAVEL

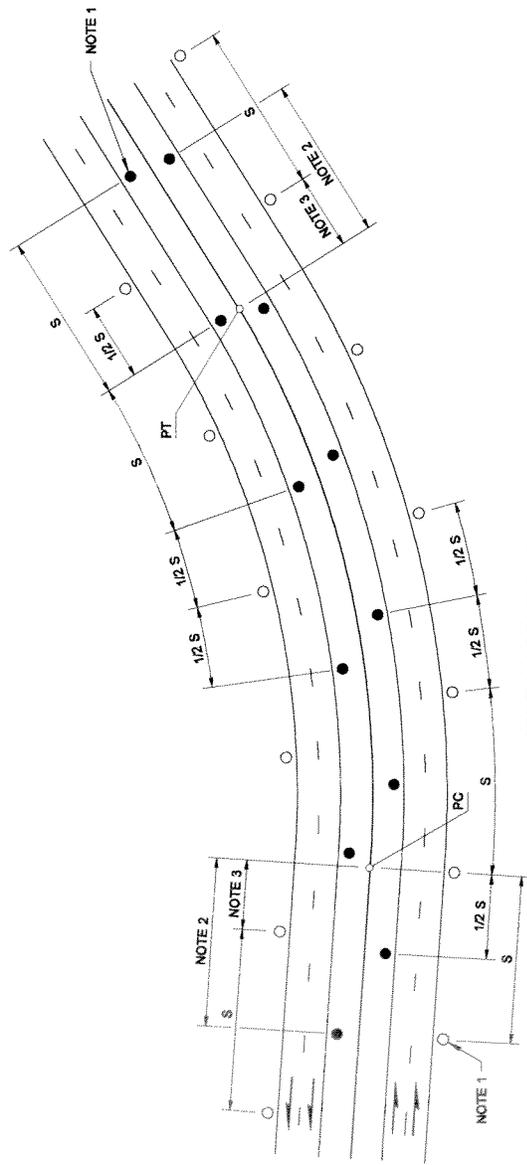
**NOTES**

1. The first guide post is positioned "S" distance from the beginning of curvature.
2. If the last guide post beyond the curve is 1/2 "S" or more, no additional posts are required.
3. If the last guide post beyond the curve is less than 1/2 "S", one additional post is required.
4. See Standard Plan M-40.10 for Guide Post details.

**LEGEND**

- TYPE W
- ⊕ TYPE WW
- TYPE Y

SEE TYPE DEFINITIONS,  
STD. PLAN M-40.10



**MULTI-LANE DIVIDED HIGHWAYS**  
GUIDE POSTS ON INSIDE AND OUTSIDE OF CURVE  
FOR EACH DIRECTION OF TRAVEL



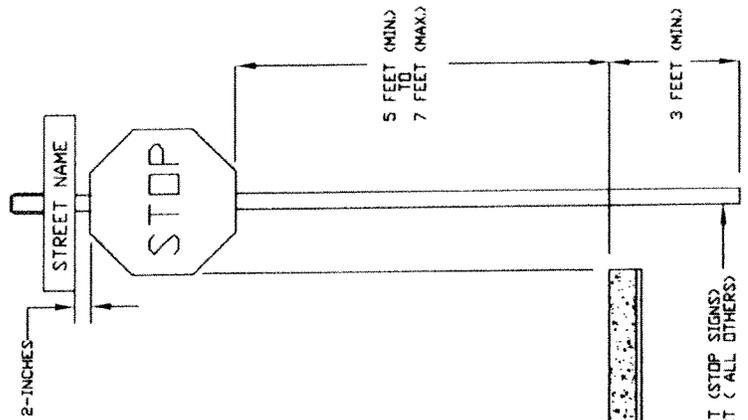
EXPIRES: AUGUST 9, 2009

**GUIDE POST PLACEMENT  
HORIZONTAL CURVES  
STANDARD PLAN M-40.40-00**

SHEET 1 OF 1 SHEET

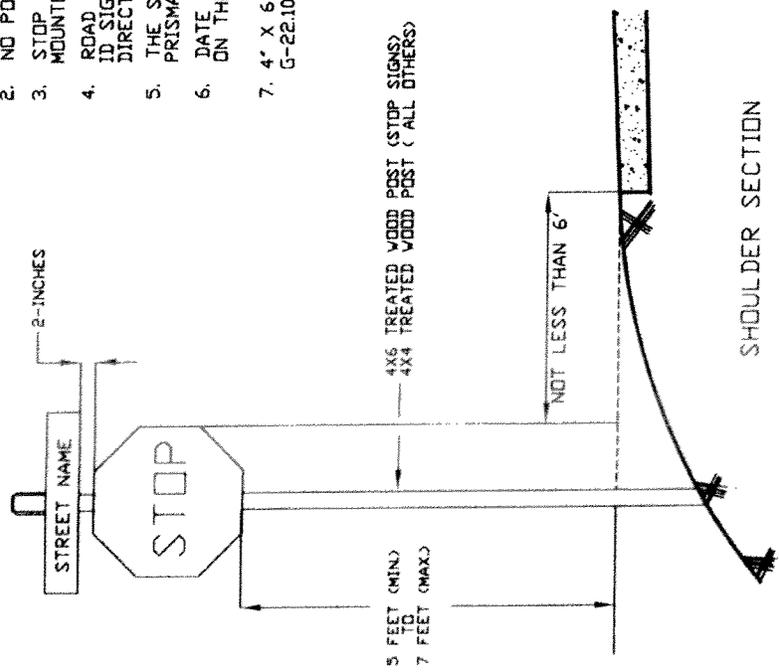
APPROVED FOR PUBLICATION  
**Pasco Bakrotch III** 09-20-07  
STATE DESIGN ENGINEER DATE  
Washington State Department of Transportation

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT  
UNLESS APPROVED FOR PUBLICATION BY MEANS OF  
A SEAL AND SIGNATURE OF THE DESIGNER. REPRODUCING  
OR TRANSMITTING IN ANY MANNER WITHOUT THE WRITTEN  
PERMISSION OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION  
MAY BE PENALIZED BY LAW.



**NOTES:**

1. ALL CONSTRUCTION AND MATERIALS SHALL MEET THE SPECIFICATIONS AND BE APPROVED BY GRANT COUNTY PUBLIC WORKS DEPARTMENT.
2. NO PORTION OF THE SIGN SHALL OVERHANG THE SIDEWALK.
3. STOP SIGN SHALL BE 36" X 36". ROAD NAME SIGNS TO BE MOUNTED TO THE WOOD POST ABOVE STOP SIGN.
4. ROAD NAME ID SIGNS SHALL HAVE 6" WHITE LETTERS. TWO ID SIGNS ARE REQUIRED FOR EACH ROAD NAME. ONE BOLTED DIRECTLY TO EACH SIDE OF THE POST.
5. THE STOP SIGNS SHALL HAVE TYPE IV HIGH INTENSITY PRISMATIC REFLECTIVE SHEETING.
6. DATE OF INSTALLATION SHALL BE WRITTEN IN BLACK INK ON THE BACK OF EACH SIGN, OR AN APPROPRIATE STICKER USED.
7. 4' X 6' POSTS SHALL BE DRILLED PER WSDOT STANDARD PLAN G-22.10-00 "TIMBER SIGN SUPPORT".



SHOULDER SECTION



CURB SECTION

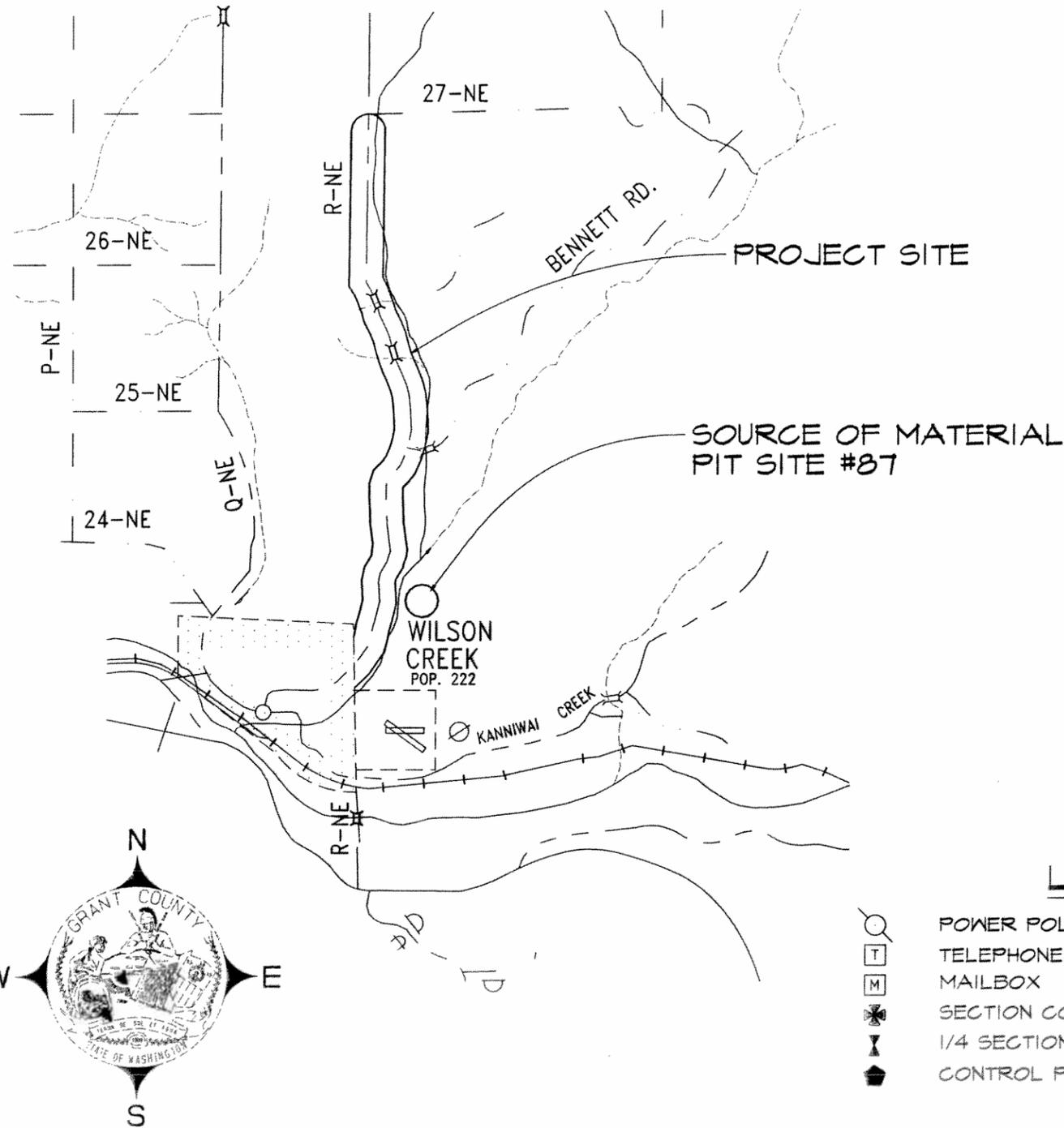
STOP SIGN SECTION VIEW

NOT TO SCALE





# R-NE ROAD RECONSTRUCTION PROJECT



SHEET	DESCRIPTION
1	INDEX & VICINITY MAP
2	SUMMARY OF QUANTITIES
3-4	STRUCTURE NOTES
5-17	PLAN AND PROFILE
18-19	TYPICAL X-SECTIONS

Grant County  
Board Of Commissioners  
 Richard Stevens, District No. 1  
 Carolann Swartz, District No. 2 (Chair)  
 Cindy Carter, District No. 3

## LEGEND

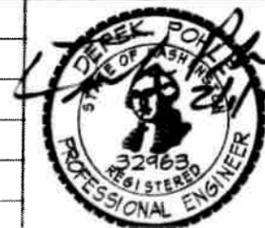
	POWER POLE		TREE/BUSH
	TELEPHONE PED.		GUIDE POST
	MAILBOX		FENCE LINE
	SECTION CORNER		CULVERT
	1/4 SECTION CORNER		RIGHT OF WAY LINE
	CONTROL POINT		MONUMENT



GRANT COUNTY PUBLIC WORKS DEPARTMENT  
 124 ENTERPRISE ST. SE  
 EPHRATA, WASHINGTON 98823  
 (509) 754-6082 FAX (509) 754-6087

R-NE ROAD RECONSTRUCTION  
 CRP 08-13 & 10-05

DESIGNED BY: BOB BERSANTI  
 DRAWN BY: BOB BERSANTI  
 CHECKED BY: DEREK POHLE  
 REVISIONS BY:  
 DATE REVISED:  
 FEDERAL AID NO.:



SHEET 1  
 OF 19

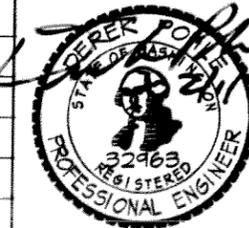
# SUMMARY OF QUANTITIES

ITEM NO.	TOTAL QUANTITY	UNIT	ITEM DESCRIPTION	Group #1 County/RAP Funds STA. 10+00 TO STA. 179+75	Group #2 County Funds STA. 179+75 TO STA. 216+00		
1	100%	L.S.	Mobilization	82%	18%		
2	100%	L.S.	Notification	82%	18%		
3	100%	L.S.	Clearing and Grubbing	82%	18%		
4	100%	L.S.	Removal of Existing Bridge #160	100%			
5	100%	L.S.	Removal of Existing Bridge #161	100%			
<b>GRADING</b>							
6	48,326	S.Y.	Rotomilling Bituminous Pavement	39,627	8,699		
7	23,417	C.Y.	Roadway Excavation Including Haul	20,260	3,157		
8	16,617	C.Y.	Embankment Compaction	15,734	883		
9	1,000	C.Y.	Borrow Excavation Incl. Haul	1,000			
<b>DRAINAGE</b>							
10	200	L.F.	Plain Steel Culvert Pipe 0.064" Th. - 12" Diameter	200			
11	439	L.F.	Plain Steel Culvert Pipe 0.064" Th. - 18" Diameter	439			
12	255	L.F.	Plain Steel Culvert Pipe 0.064" Th. - 24" Diameter	70	185		
13	60	L.F.	Plain Steel Culvert Pipe 0.064" Th., 5x1 Corr., 42" Diameter	60			
14	120	L.F.	Plain Steel Culvert Pipe 0.109" Th., 5x1 Corr., 65" x 40"		120		
15	172	L.F.	Plain Steel Culvert Pipe 0.109" Th., 5x1 Corr., 72" x 44"	172			
16	146	L.F.	Plain Steel Culvert Pipe 0.109" Th., 5x1 Corr., 73" x 55"	146			
17	7.5	C.Y.	Commercial Concrete for Headwall, Including Steel Reinforcing Bar for Headwall	5.7	1.8		
<b>SURFACING</b>							
18	26,500	TONS	Crushed Surfacing Base Course from Stockpile #87	21,730	4,770		
19	16,800	TONS	Maintenance Rock from Stockpile #87	13,776	3,024		
<b>TRAFFIC</b>							
20	1,750	L.F.	Beam Guardrail Type 31 - 8' Long Post	1,750			
21	4	EACH	Beam Guardrail Type 31 Non-Flared Terminal	4			
22	1,825	L.F.	Painted Skip Centerline	1,500	325		
23	8,655	L.F.	Painted Skip Centerline with No Pass	7,100	1,555		
24	9,881	L.F.	Painted Double Yellow Centerline	8,100	1,781		
25	41,200	L.F.	Painted Edge Line - White	33,785	7,415		
26	100%	L.S.	Permanent Signing	82%	18%		
27	156	EACH	Guide Post	140	16		
<b>OTHER ITEMS</b>							
28	457	C.Y.	Structure Excavation Class B Incl. Haul	353	104		
29	257	C.Y.	Gravel Backfill for Pipe Zone Bedding	184	73		
30	51	C.Y.	Controlled Density Fill	41	11		
31	7	EACH	Monuments	6	1		
32	100%	L.S.	Trimming and Cleanup	82%	18%		
33	8.0	Acres	Seeding, Fertilizing, and Mulching With Arid Area Mix A or B	6.5	1.5		
34	9,145	L.F.	Wire Fence Type 2	9,145			
35	Calculated	CALC.	Minor Changes	Calculated	Calculated		

GRANT COUNTY PUBLIC WORKS DEPARTMENT  
 124 ENTERPRISE ST. SE  
 EPHRATA, WASHINGTON 98823  
 (509) 754-6082 FAX (509) 754-6087

## R-NE ROAD RECONSTRUCTION CRP 08-13 & 10-05

DESIGNED BY: BOB BERSANTI  
 DRAWN BY: BOB BERSANTI  
 CHECKED BY: DEREK POHLE  
 REVISIONS BY:  
 DATE REVISED:  
 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.	C.Y.	C.Y.	TONS	TONS	L.F.	EACH	L.F.	C.Y.	C.Y.	EACH	REMARKS						
5-1	STA. 10+00	CL	MON																	1	4
5-2	STA. 10+70 TO 10+90	R	F	30									6								1,2,3,5
5-3	STA. 12+80 TO 19+20	R	FENCE														640				6
5-4	STA. 18+19.25	CL	MON																	1	4
5-5	STA. 18+90 TO 22+75	R	FENCE														385				6
5-6	STA. 21+50 TO 21+70	R	F	30									6								1,2,3,5
5-7	STA. 21+40 TO 24+75	R	FENCE														325				6
5-8	STA. 24+00	R/L	CROSS		57					21	11										1,2,3
6-1	STA. 28+00 TO 28+20	R	F	30									6								5
6-2	STA. 32+00 TO 49+00	R	FENCE														1,700				6
6-3	STA. 32+50 TO 36+00	L	FENCE														350				6
7-1	STA. 46+00 TO 50+50	R	FENCE														450				6
7-2	STA. 49+50 TO 50+25	L	FENCE														75				6
8-1	STA. 58+00 TO 59+00	L	FENCE														100				6
8-2	STA. 59+00 TO 62+50	R	FENCE														350				6
8-3	STA. 63+50 TO 78+20	R	FENCE														1,470				6
8-4	STA. 68+25	R/L	CROSS		62					25	12										1,2,3
9-1	STA. 78+25 TO 82+85	R	FENCE														460				6
9-2	STA. 85+10	R/L	CROSS		55					21	11										1,2,3
10-1	STA. 92+00 TO 96+50	L	FENCE														450				6
10-2	STA. 93+37.21	CL	MON																	1	4
10-3	STA. 96+82	R/L	CROSS		100					23	16										1,3,8,9
10-4	STA. 97+00 TO 97+30	R	F		40								6								5
10-5	STA. 97+10 TO 97+50	R	F	50									6								5
10-6	STA. 100+60 TO 104+50	R	FENCE														390				6
10-7	STA. 100+50 TO 104+50	R	RAIL												400	2					1
10-8	STA. 101+75.36	CL	MON																		4
11-1	STA. 106+75 TO 111+75	L	FENCE														500				6
11-2	STA. 109+00 TO 109+20	R	F	30									6								5
11-3	STA. 109+80	R/L	CROSS			60				40	26								0.7		1,7,9
11-4	STA. 111+50 TO 117+00	R	FENCE														550				6
11-5	STA. 116+40	R/L	CROSS			70				35	20										1,2,3
11-6	STA. 111+70 TO 124+15	R	RAIL												1,195	2					
12-1	STA. 127+25	R/L	CROSS		75					30	18										1,2,3
12-2	STA. 132+00 TO 133+50	R	FENCE														150				6
PAGE TOTALS				170	389	70	60	0	0	195	114	36	0	1,595	4	8,345	0	0.7	4		

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  
RAIL = Guardrail

- Field adjust termini as directed by the engineer.
- Install 3:1 beveled end sections per standard plans.
- Remove existing culvert and salvage to the contractor.
- Install monument and monument case per standard plans.
- Quantities for embankment and roadway excavation are included in plan quantities whether shown or not.
- Replace existing fence w/ new type 2 wire fence.
- Remove existing concrete box culvert and salvage to the contractor.
- Install 2 - pipes side by side.
- Bevel per detail on sheet #19.
- Remove existing bridge and salvage per the contract special provisions.

NOTE: For Special Features See Special Provisions.

GRANT COUNTY PUBLIC WORKS DEPARTMENT  
124 ENTERPRISE ST. SE  
EPHRATA, WASHINGTON 98823  
(509) 754-6082 FAX (509) 754-6087

## R-NE ROAD RECONSTRUCTION CRP 08-13 & 10-05

DESIGNED BY: BOB BERSANTI  
DRAWN BY: BOB BERSANTI  
CHECKED BY: DEREK FOHLE  
REVISIONS BY:  
DATE REVISED:  
FEDERAL AID NO.:



SHEET 3  
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.	L.F.	C.Y.	C.Y.	TONS	TONS	L.F.	EACH	L.F.	C.Y.	C.Y.	EACH	REMARKS
13-1	STA. 138+98 TO 139+15	R/L	CROSS						146	60	25						19	2.8		1,89,10
13-2	STA. 141+50 TO 144+25	R	FENCE													275				6
13-3	STA. 152+75 TO 158+00	R	FENCE													525				6
14-1	STA. 161+00 TO 161+20	R	F									6								5
14-2	STA. 161+18.69	CL	MON																	4
14-3	STA. 162+20 TO 162+60	R	F									10								5
14-4	STA. 163+05	R/L	CROSS		50					18	10									1,23
14-5	STA. 163+05.40	CL	MON																	4
14-6	STA. 168+20 TO 168+40	R	F	30								6								5
15-1	STA. 169+27 TO 169+94	R/L	CROSS					172		70	35						21	2.2		1,89,10
15-2	STA. 180+40	R/L	CROSS			60				25	22									1,23
16-1	STA. 185+20	R/L	CROSS		55					19	11									1,23
16-2	STA. 196+00 TO 196+90	R/L	CROSS		70					35	20									1,23
16-3	STA. 196+70.50	CL	MON																	5
17-1	STA. 208+90	R/L	CROSS				120			35	20						11	1.8		1,89

PAGE TOTALS 30 50 185 120 172 146 262 143 22 0 0 0 800 51 6.8 3

## GENERAL NOTES

- Miscellaneous
- BD = Bottom of Ditch
  - CP = Catch point
  - CROSS = Crossing Pipe
  - R = Residential
  - F = Farm
  - PLAN = Elevation on Plans
  - MON = Monument
  - O&M = O&M Road
  - C = Commercial
  - RAIL = Guardrail

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. Install monument and monument case per standard plans.
5. Quantities for embankment and roadway excavation are included in plan quantities whether shown or not.
6. Replace existing fence w/ new type 2 wire fence.
7. Remove existing concrete box culvert and salvage to the contractor.
8. Install 2 - pipes side by side.
9. Bevel per detail on sheet #19.
10. Remove existing bridge and salvage per the contract special provisions.

NOTE: For Special Features See Special Provisions.

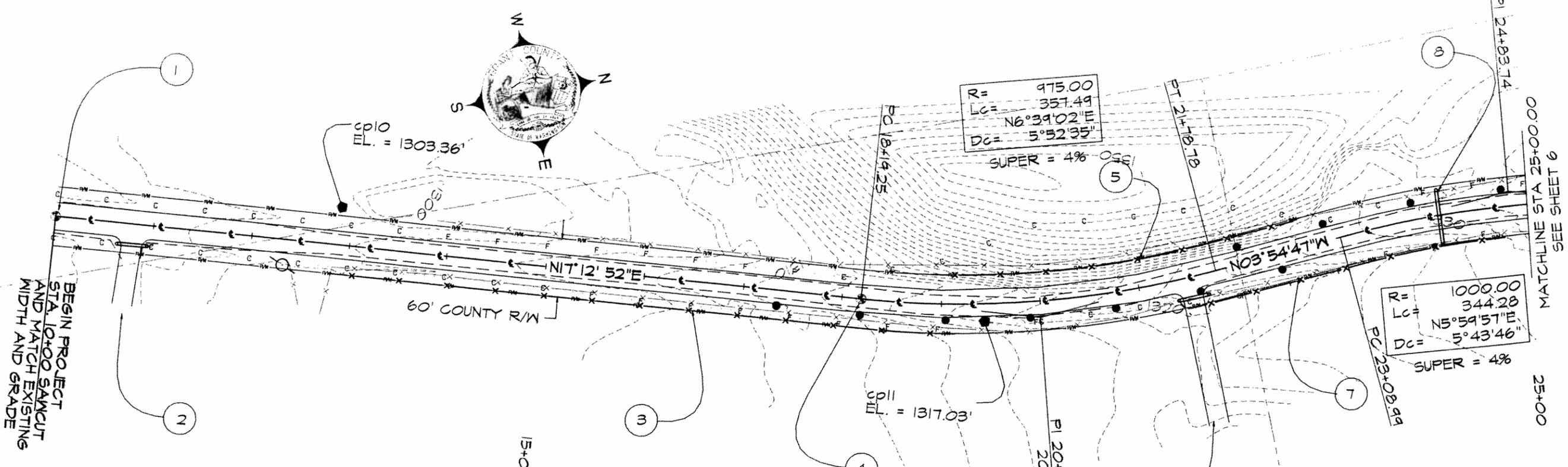
GRANT COUNTY PUBLIC WORKS DEPARTMENT  
 124 ENTERPRISE ST. SE  
 EPHRATA, WASHINGTON 98823  
 (509) 754-6082 FAX (509) 754-6087

### R-NE ROAD RECONSTRUCTION CRP 08-13 & 10-05

DESIGNED BY: BOB BERSANTI  
 DRAWN BY: BOB BERSANTI  
 CHECKED BY: DEREK POHLE  
 REVISIONS BY:  
 DATE REVISED:  
 FEDERAL AID NO.:

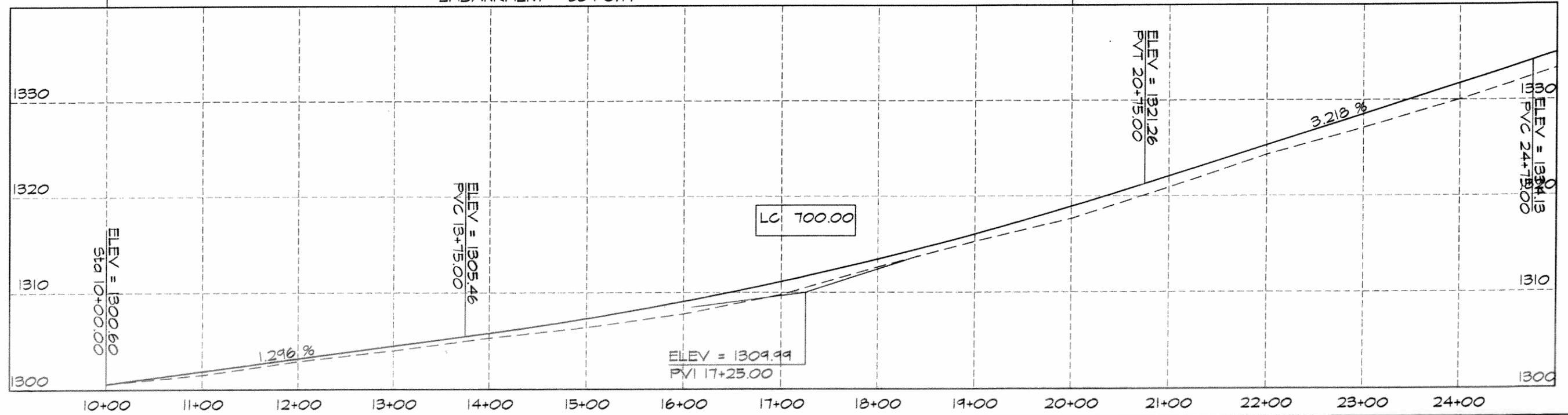


SHEET 4  
 OF 19



ROADWAY EXCAVATION = 1,025 C.Y.  
 EMBANKMENT = 539 C.Y.

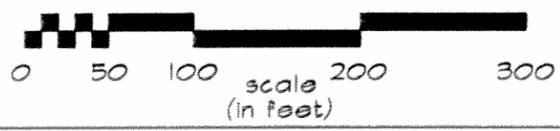
ROADWAY EXCAVATION = 2,134 C.Y.  
 EMBANKMENT = 839 C.Y.



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CRP 08-13 & 10-05

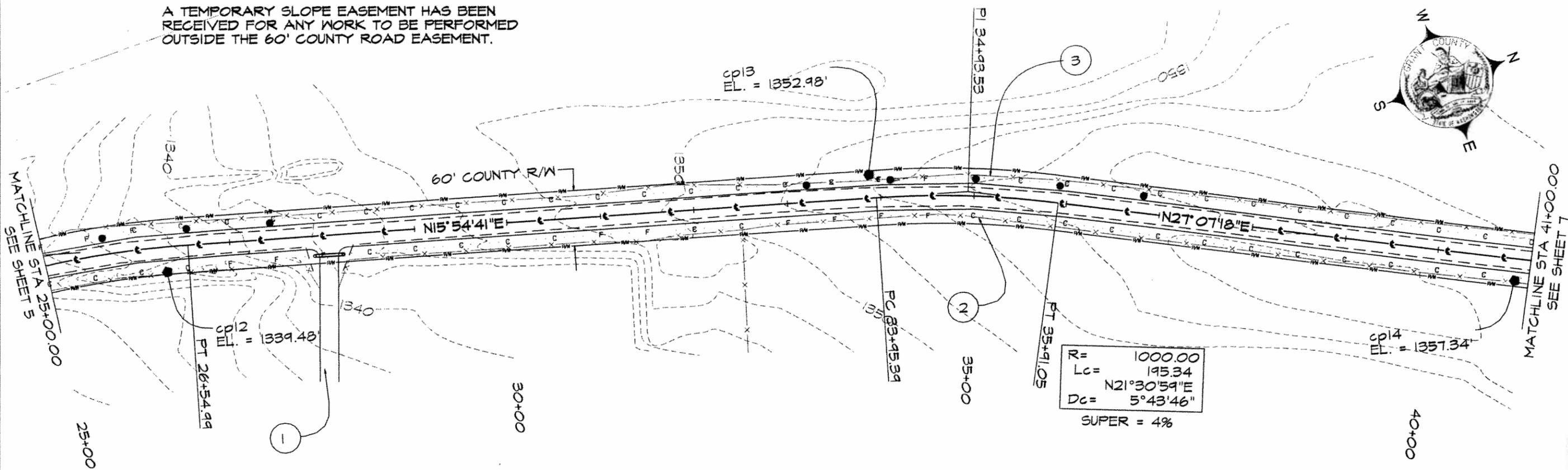


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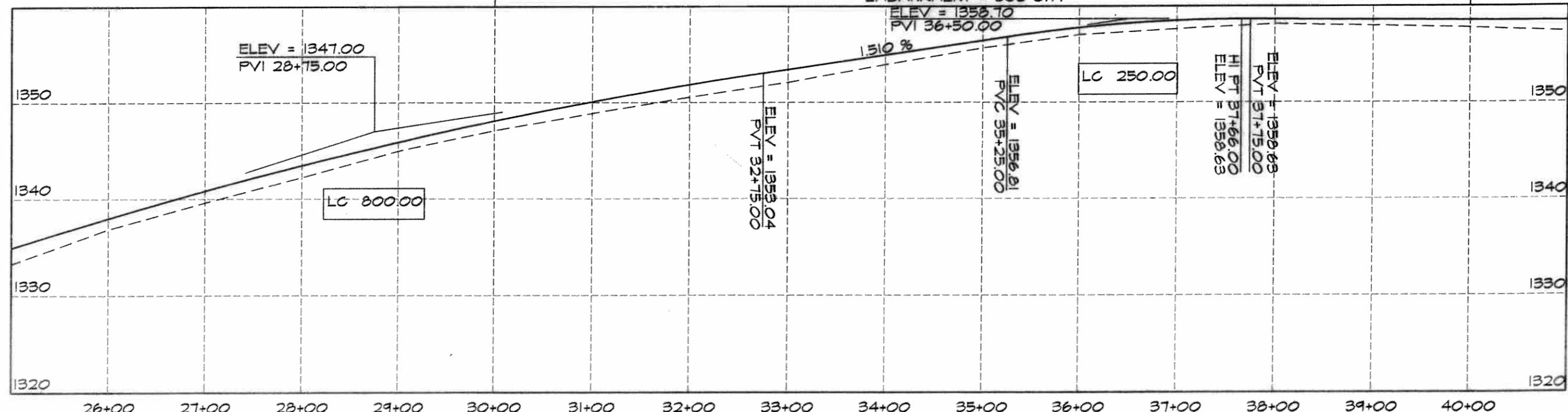
SHEET 5  
 OF 19

A TEMPORARY SLOPE EASEMENT HAS BEEN RECEIVED FOR ANY WORK TO BE PERFORMED OUTSIDE THE 60' COUNTY ROAD EASEMENT.



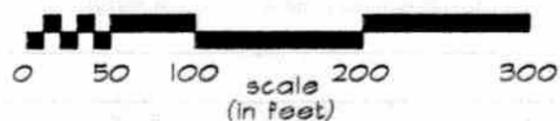
$R = 1000.00$   
 $Lc = 195.34$   
 $N21^{\circ}30'59\"/>$

ROADWAY EXCAVATION = 318 C.Y.  
 EMBANKMENT = 303 C.Y.



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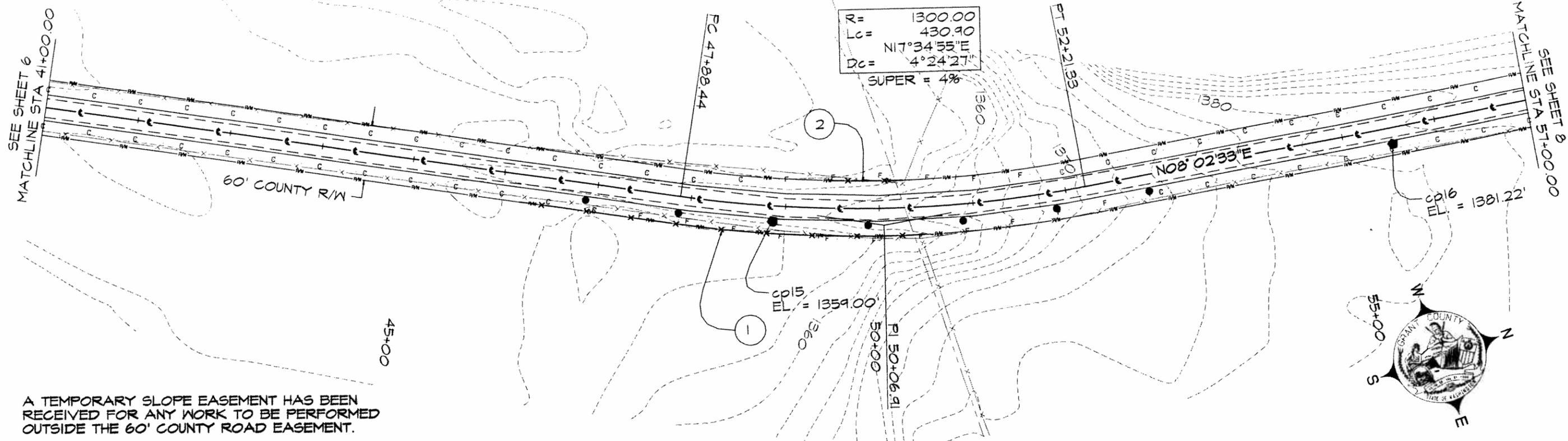
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SHEET 6  
 OF 19

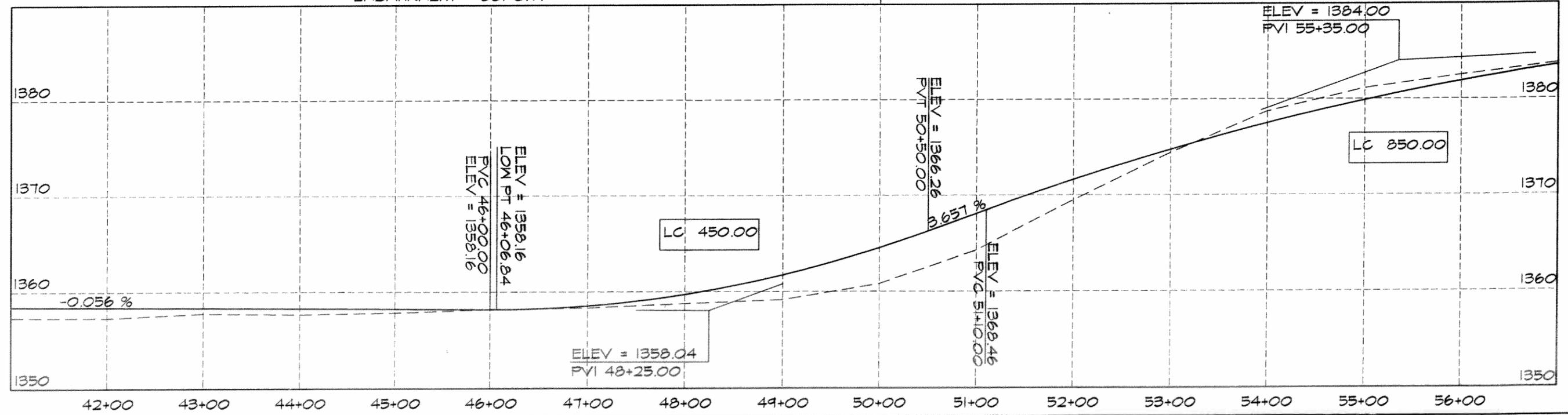


R= 1300.00  
 Lc= 430.90  
 N17°34'55"E  
 Dc= 4°24'27"  
 SUPER = 4%

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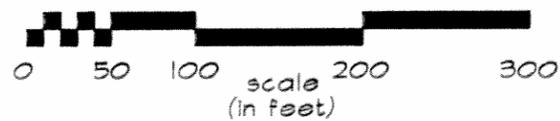
ROADWAY EXCAVATION = 409 C.Y.  
 EMBANKMENT = 881 C.Y.

ROADWAY EXCAVATION = 1,417 C.Y.  
 EMBANKMENT = 1,069 C.Y.



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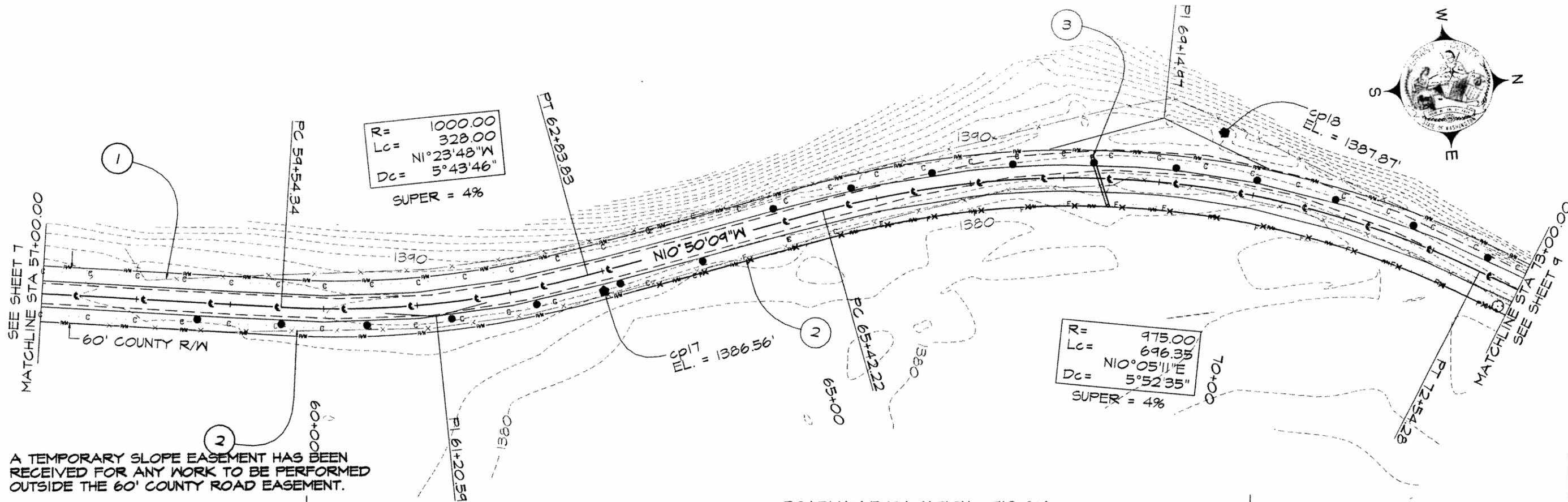
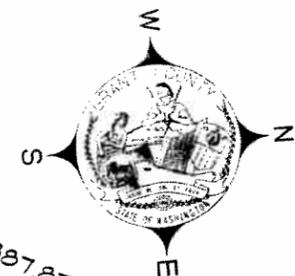
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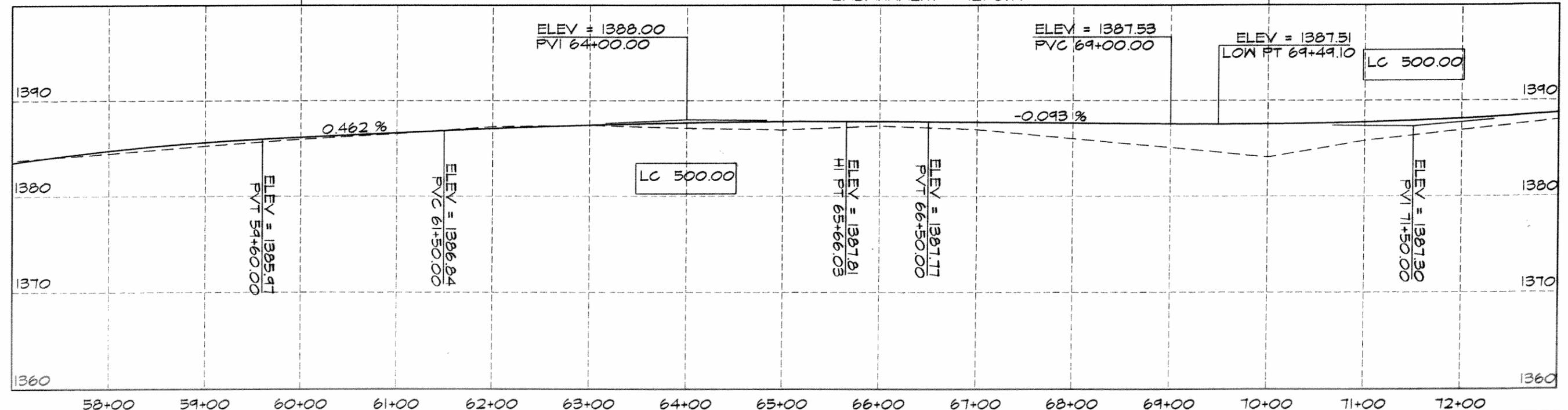


SHEET 7  
 OF 19



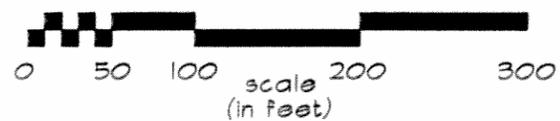
A TEMPORARY SLOPE EASEMENT HAS BEEN RECEIVED FOR ANY WORK TO BE PERFORMED OUTSIDE THE 60' COUNTY ROAD EASEMENT.

ROADWAY EXCAVATION = 712 C.Y.  
EMBANKMENT = 921 C.Y.



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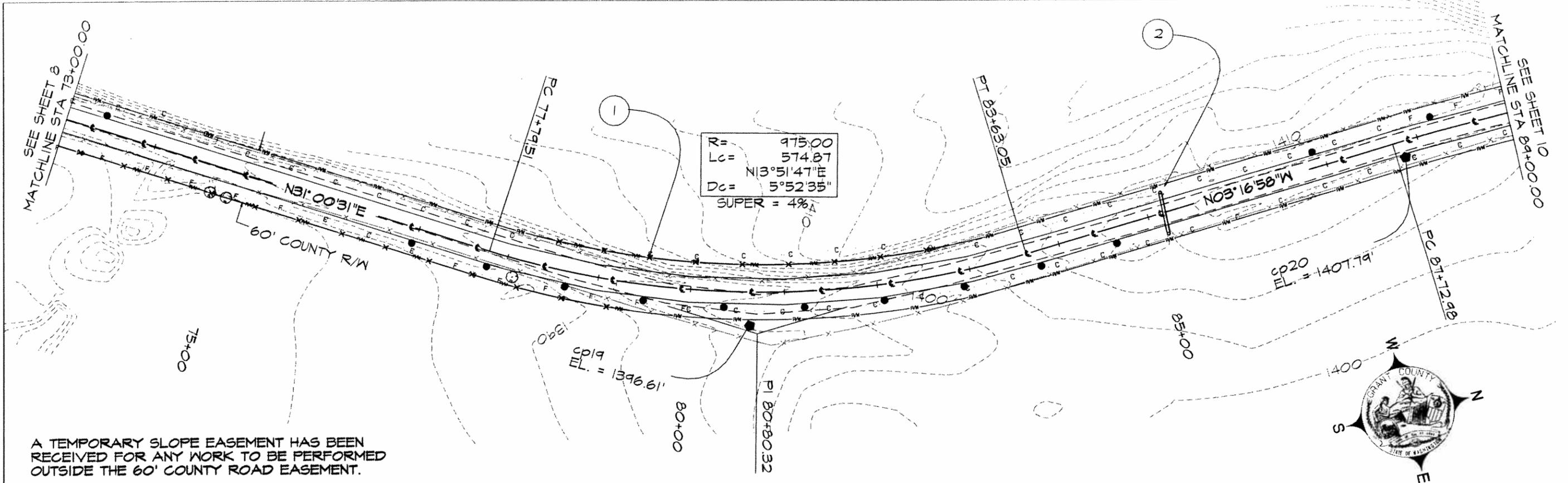
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CRP 08-13 & 10-05



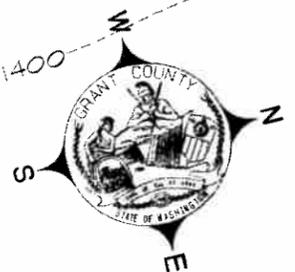
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SHEET 8  
OF 19

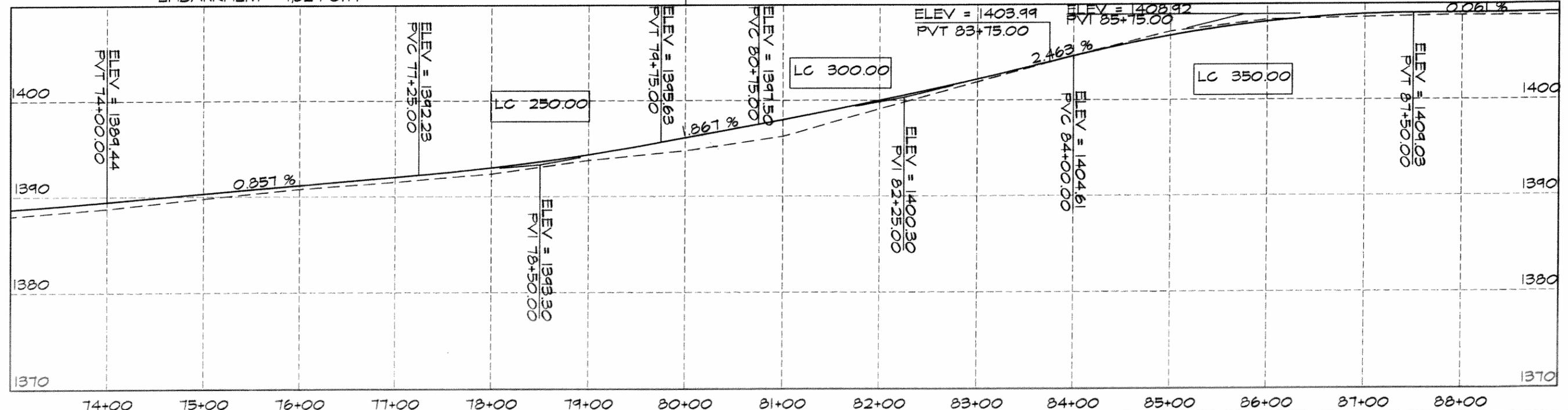


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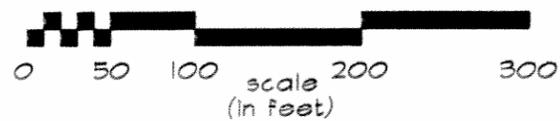
ROADWAY EXCAVATION = 772 C.Y.  
EMBANKMENT = 1,329 C.Y.

ROADWAY EXCAVATION = 1,869 C.Y.  
EMBANKMENT = 163 C.Y.



R-NE ROAD RECONSTRUCTION

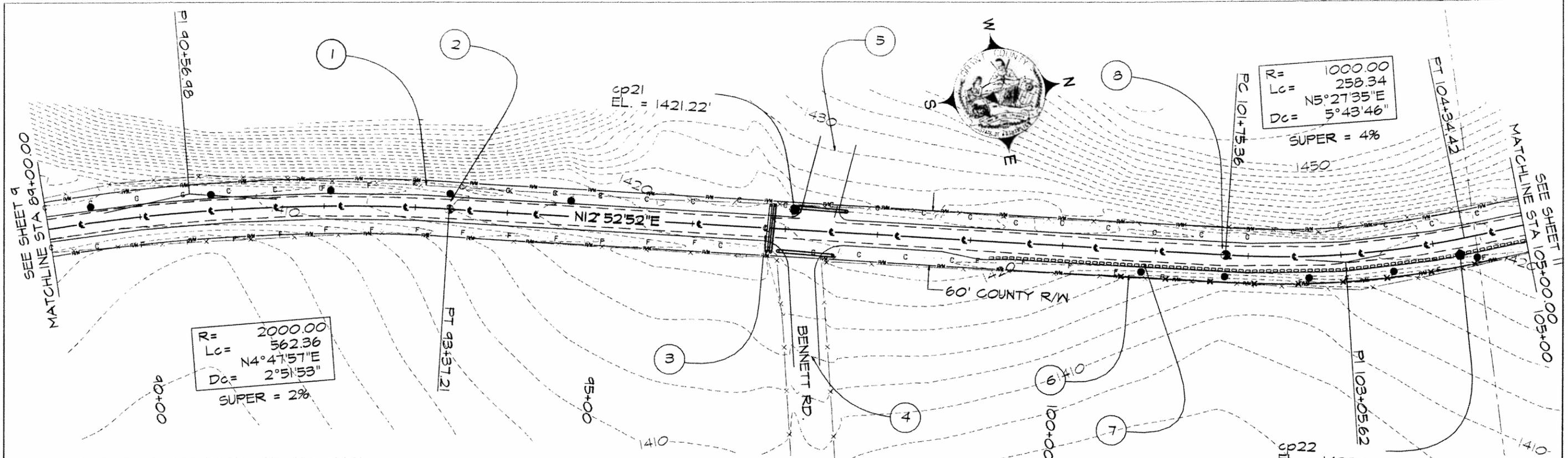
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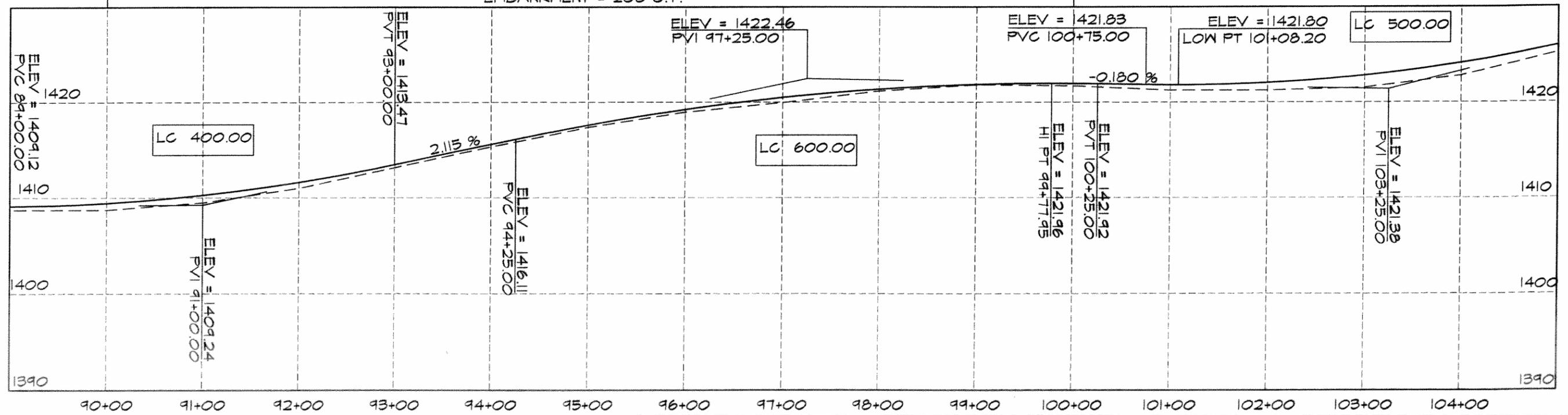


SHEET 9  
OF 19



A TEMPORARY SLOPE EASEMENT HAS BEEN RECEIVED FOR ANY WORK TO BE PERFORMED OUTSIDE THE 60' COUNTY ROAD EASEMENT.

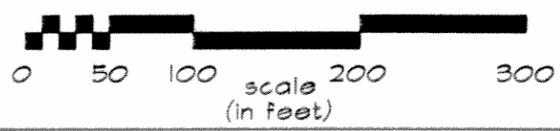
ROADWAY EXCAVATION = 807 C.Y.  
 EMBANKMENT = 208 C.Y.



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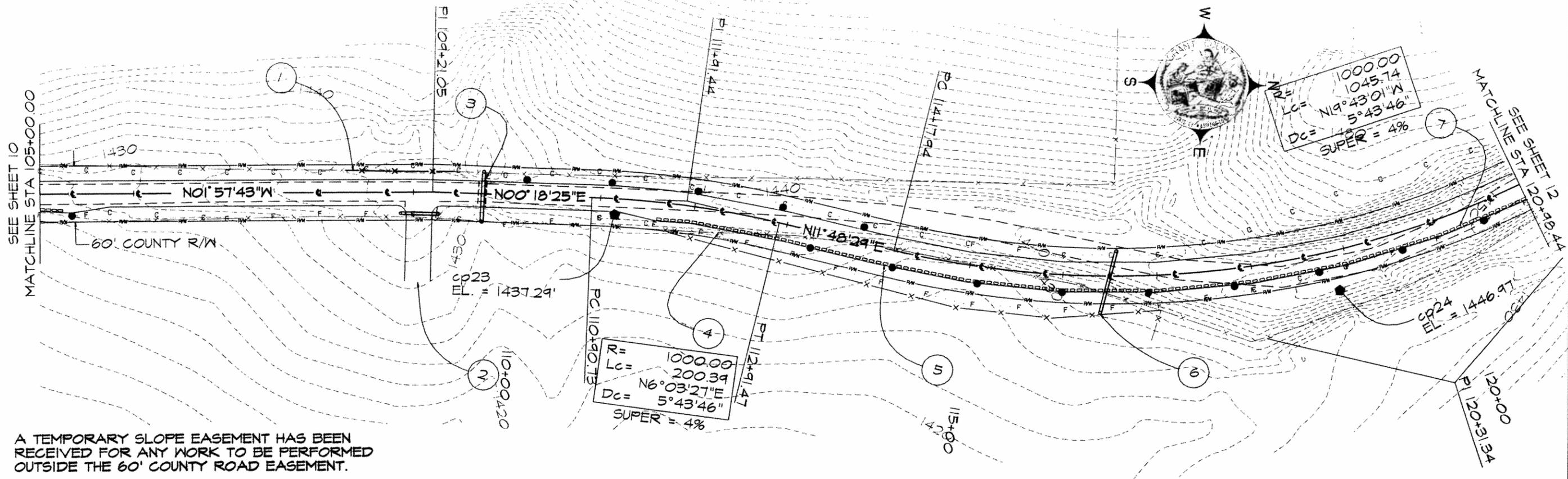
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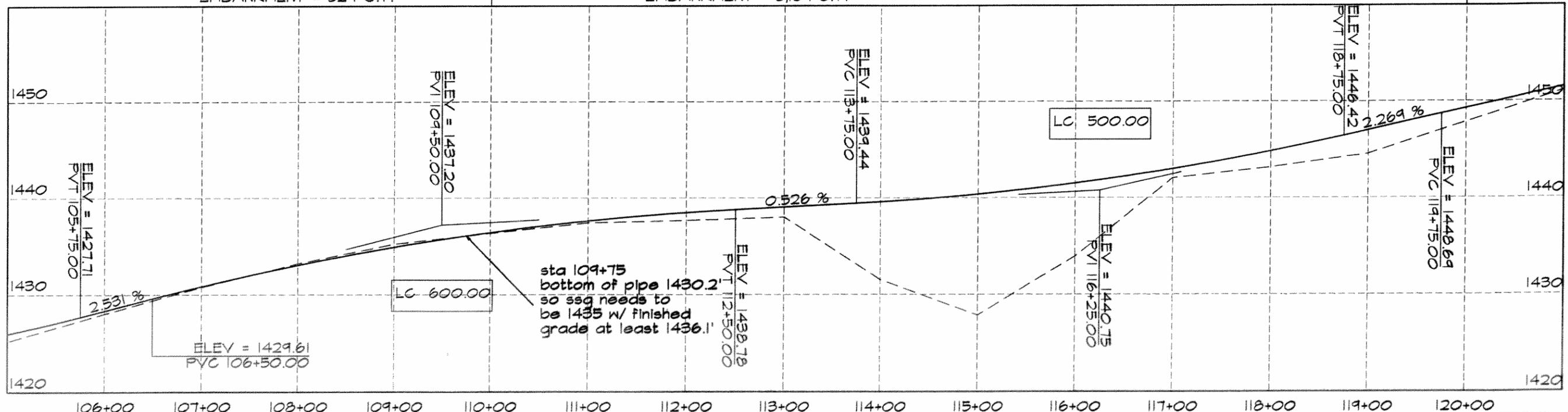
SHEET 10  
 OF 19



A TEMPORARY SLOPE EASEMENT HAS BEEN RECEIVED FOR ANY WORK TO BE PERFORMED OUTSIDE THE 60' COUNTY ROAD EASEMENT.

ROADWAY EXCAVATION = 887 C.Y.  
EMBANKMENT = 524 C.Y.

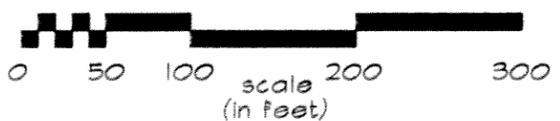
ROADWAY EXCAVATION = 2568 C.Y.  
EMBANKMENT = 5,169 C.Y.



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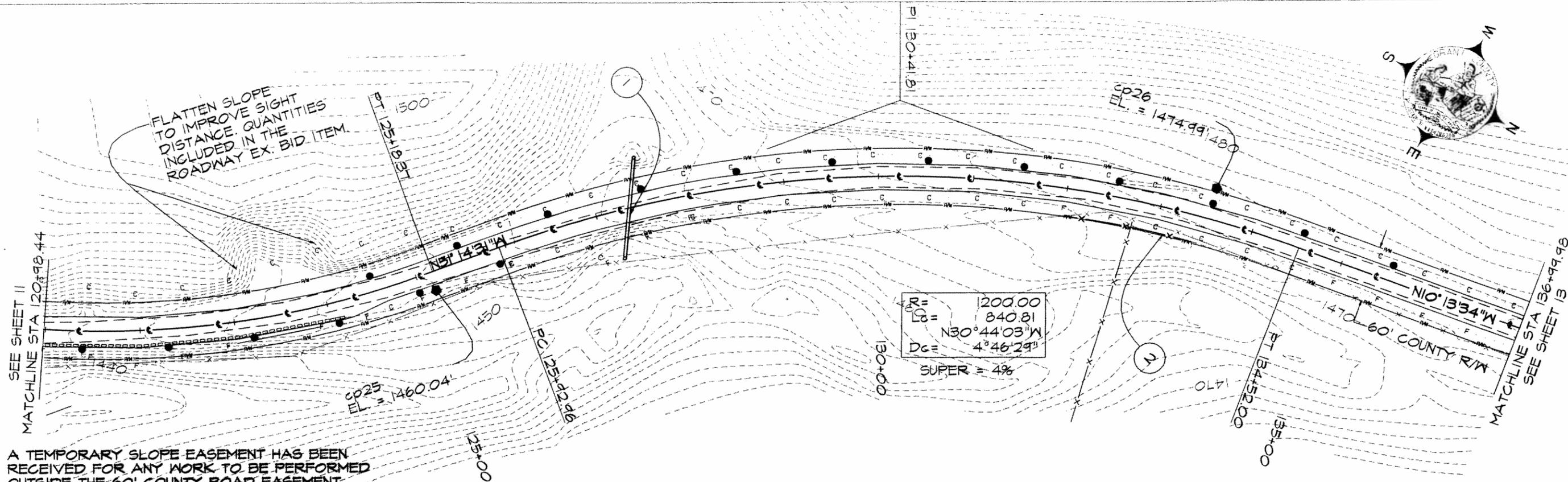
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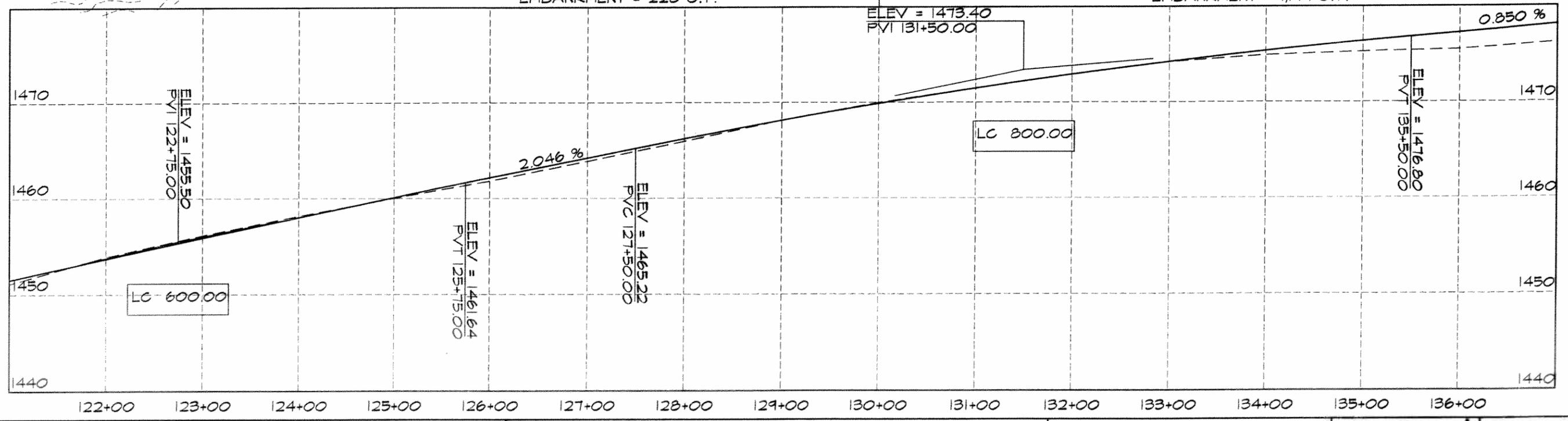
SHEET 11  
OF 19



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ROADWAY EXCAVATION = 2867 C.Y.  
EMBANKMENT = 228 C.Y.

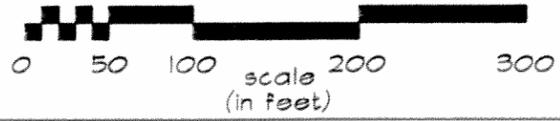
ROADWAY EXCAVATION = 461 C.Y.  
EMBANKMENT = 1,149 C.Y.



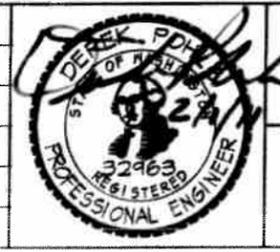
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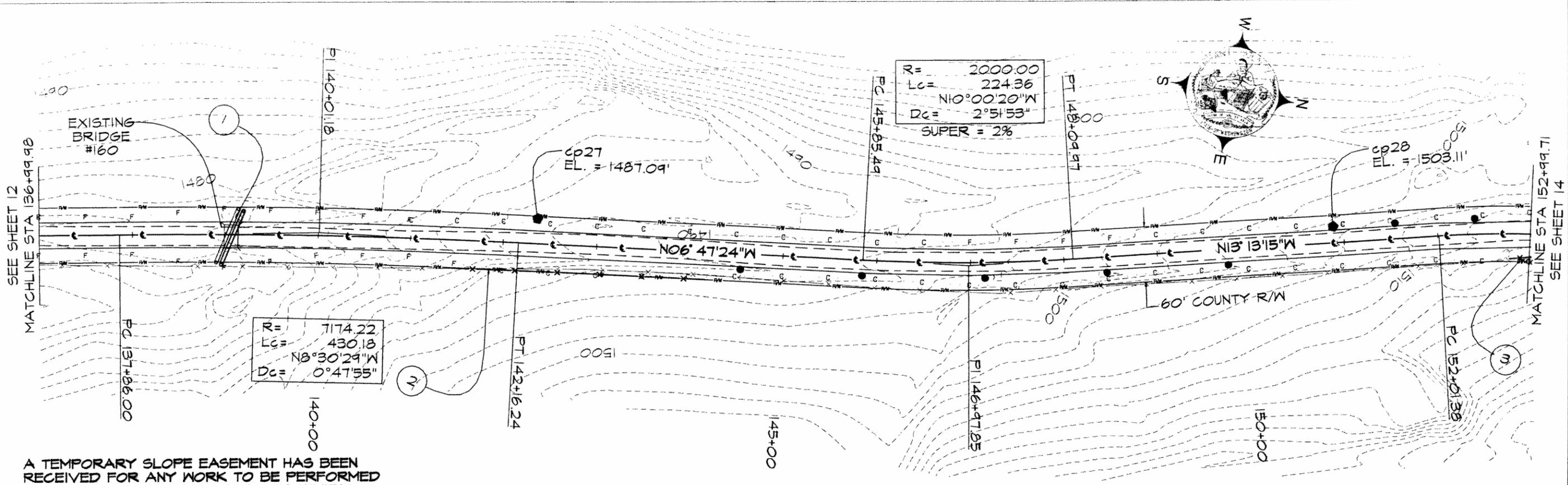
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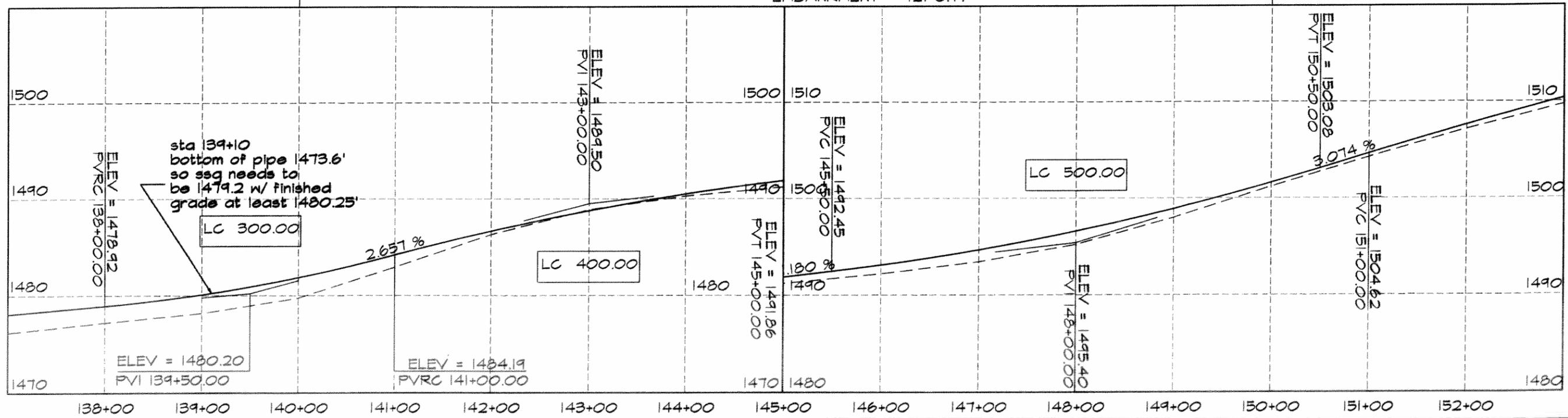


SHEET 12  
OF 19



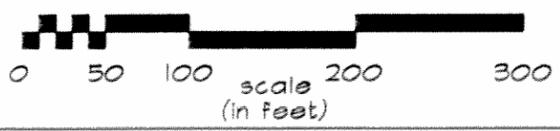
A TEMPORARY SLOPE EASEMENT HAS BEEN RECEIVED FOR ANY WORK TO BE PERFORMED OUTSIDE THE 60' COUNTY ROAD EASEMENT.

ROADWAY EXCAVATION = 729 C.Y.  
EMBANKMENT = 421 C.Y.



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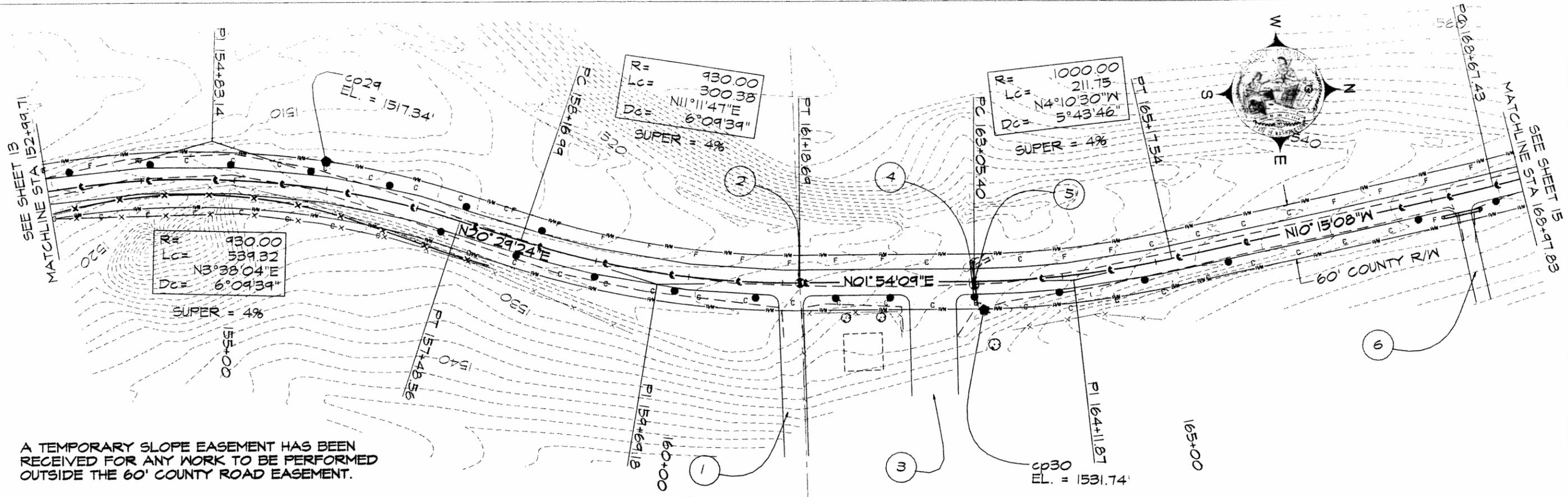
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CRP 08-13 & 10-05



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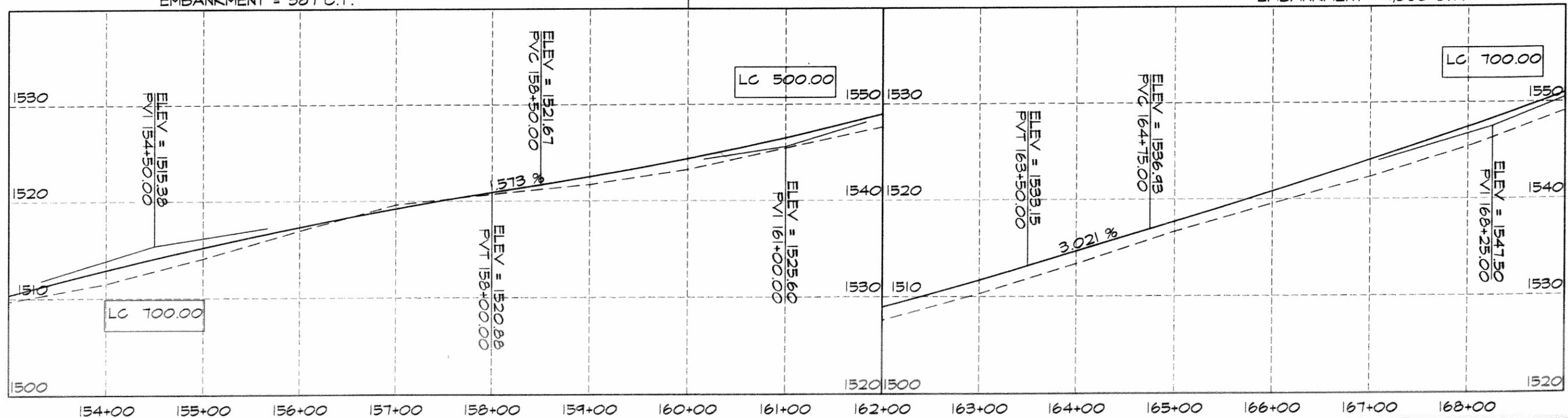
SHEET 13  
OF 19



A TEMPORARY SLOPE EASEMENT HAS BEEN RECEIVED FOR ANY WORK TO BE PERFORMED OUTSIDE THE 60' COUNTY ROAD EASEMENT.

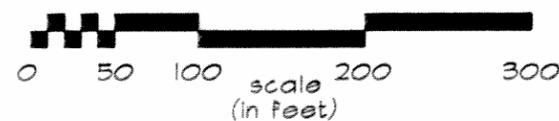
ROADWAY EXCAVATION = 2,192 C.Y.  
EMBANKMENT = 387 C.Y.

ROADWAY EXCAVATION = 340 C.Y.  
EMBANKMENT = 1,068 C.Y.



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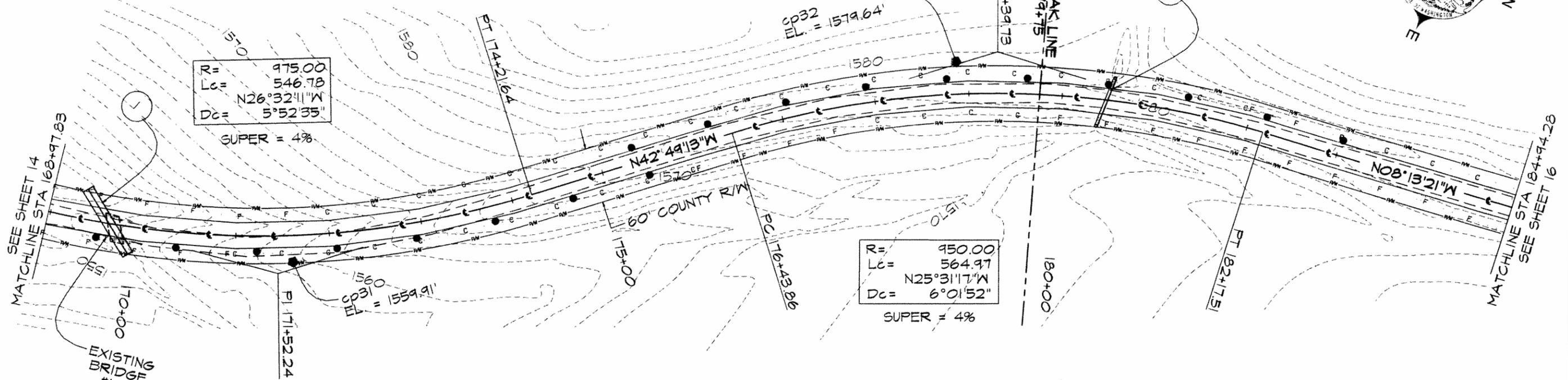
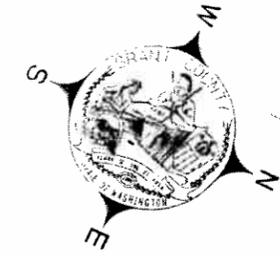


SHEET 14  
OF 19

A TEMPORARY SLOPE EASEMENT HAS BEEN RECEIVED FOR ANY WORK TO BE PERFORMED OUTSIDE THE 60' COUNTY ROAD EASEMENT.

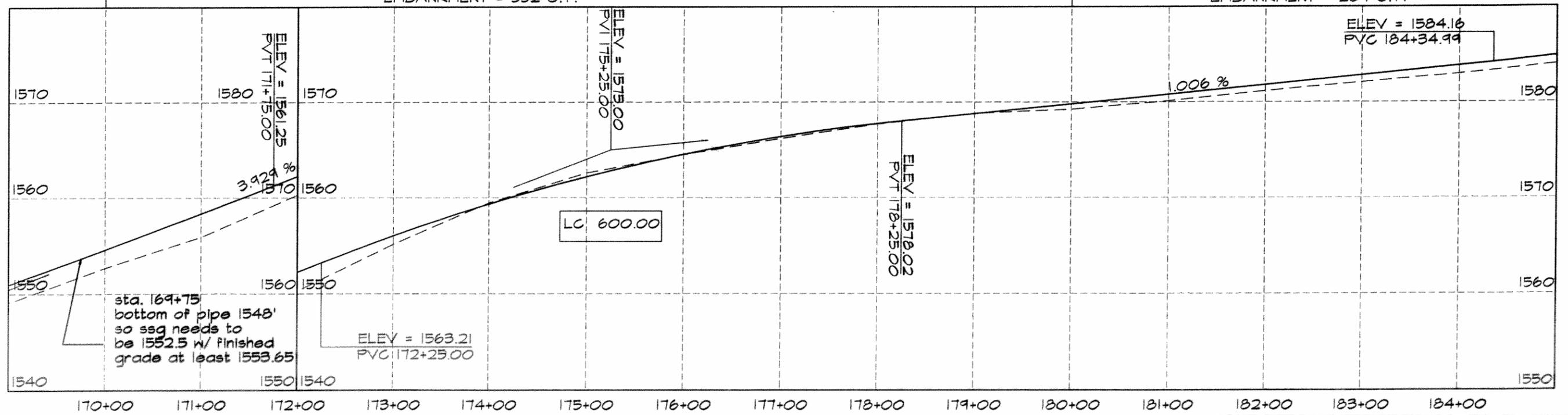
GROUP #1  
CRP 08-13

GROUP #2  
CRP 10-05



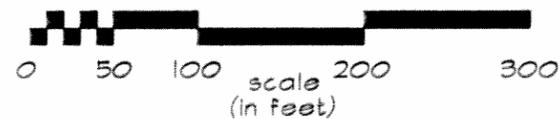
ROADWAY EXCAVATION = 838 C.Y.  
EMBANKMENT = 552 C.Y.

ROADWAY EXCAVATION = 353 C.Y.  
EMBANKMENT = 264 C.Y.



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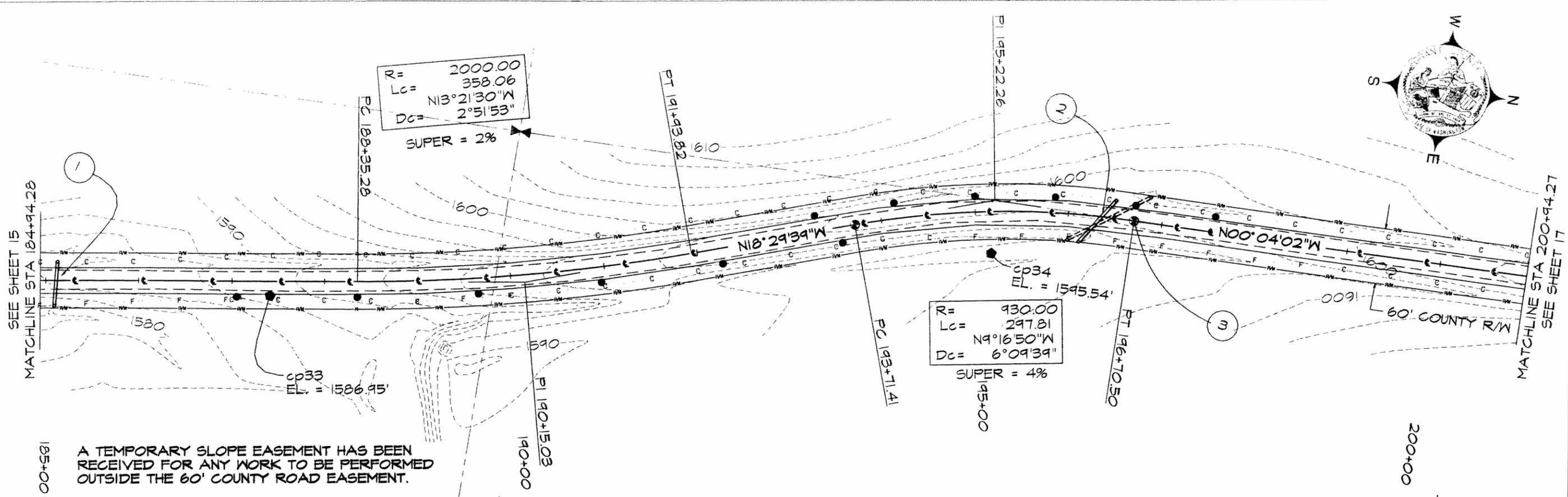
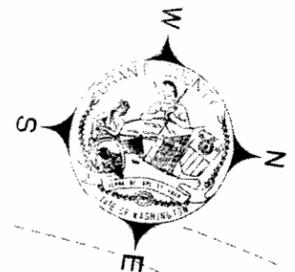
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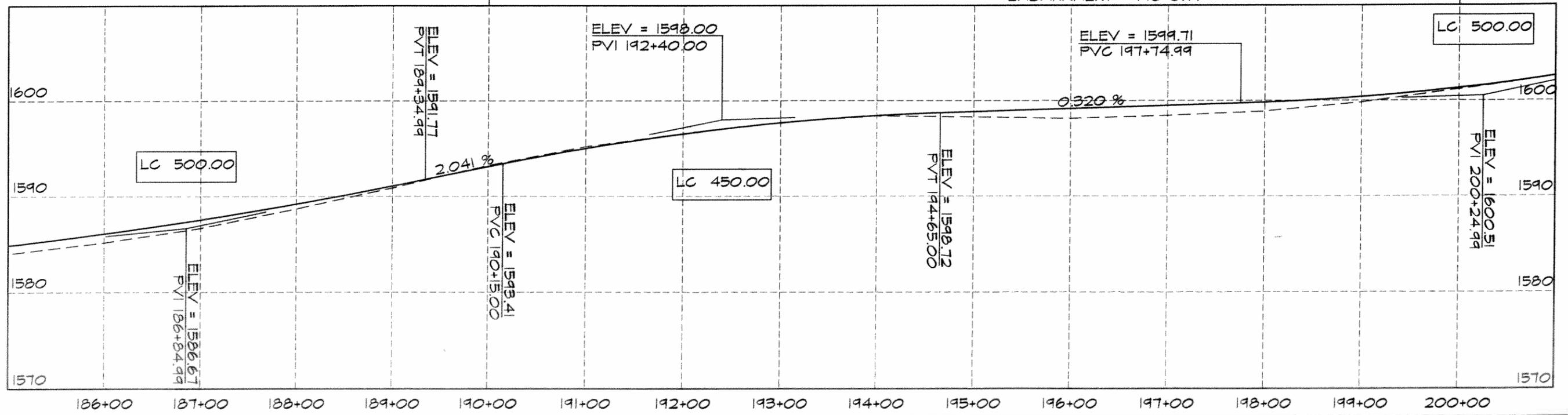


SHEET 15  
OF 19



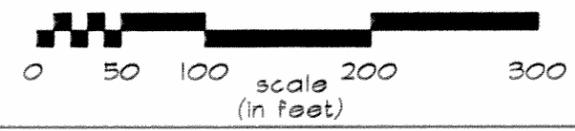
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ROADWAY EXCAVATION = 1107 C.Y.  
EMBANKMENT = 190 C.Y.



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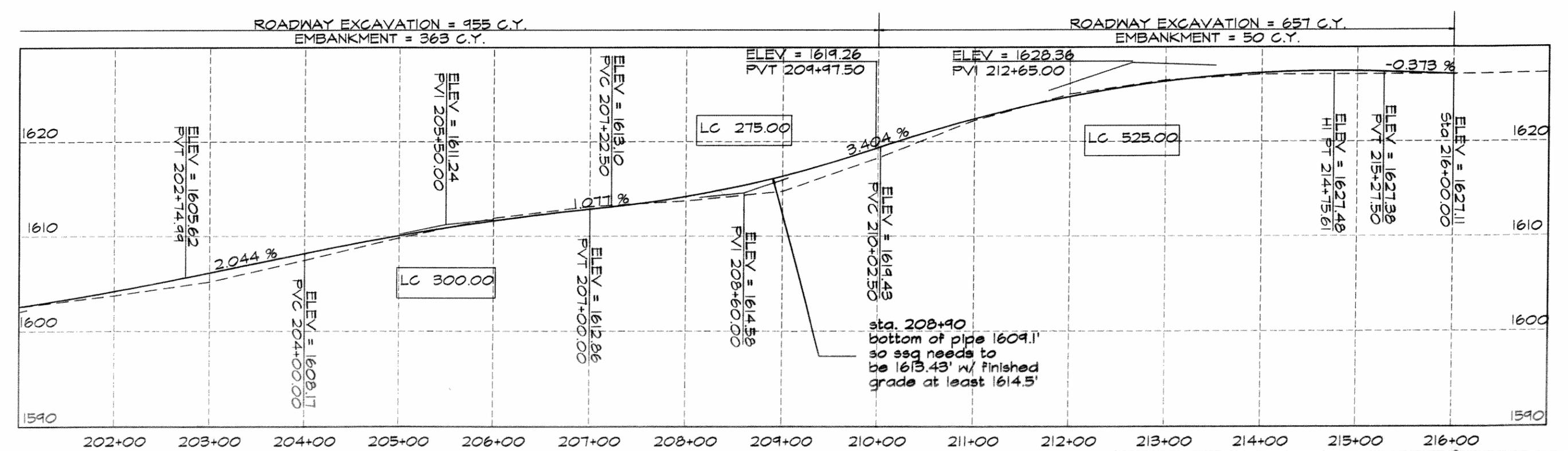
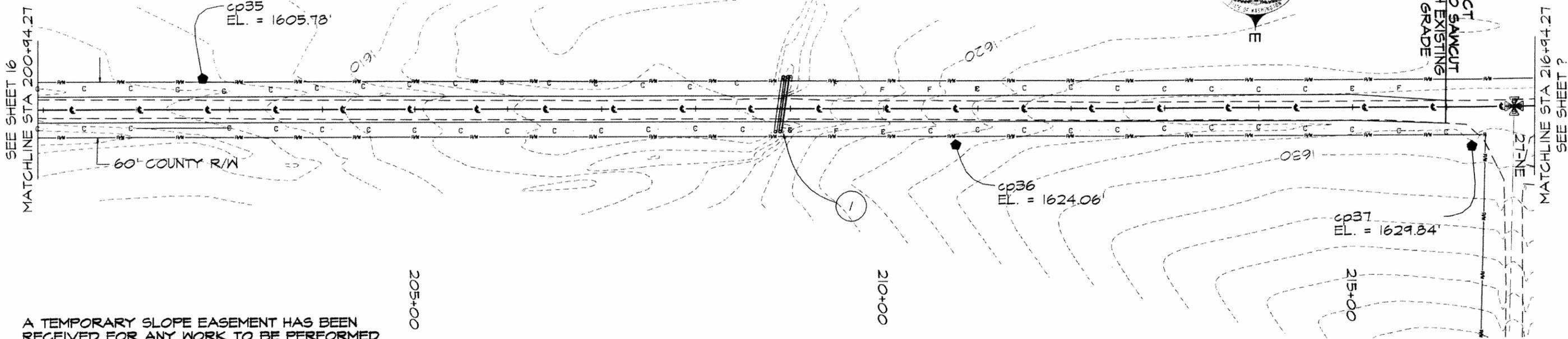
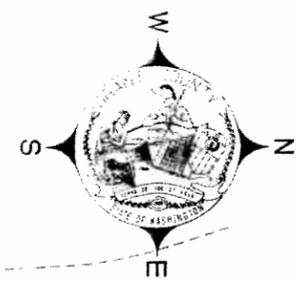
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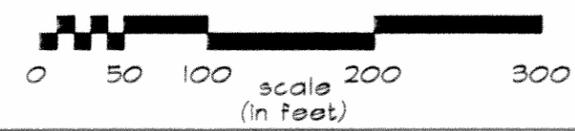
SHEET 16  
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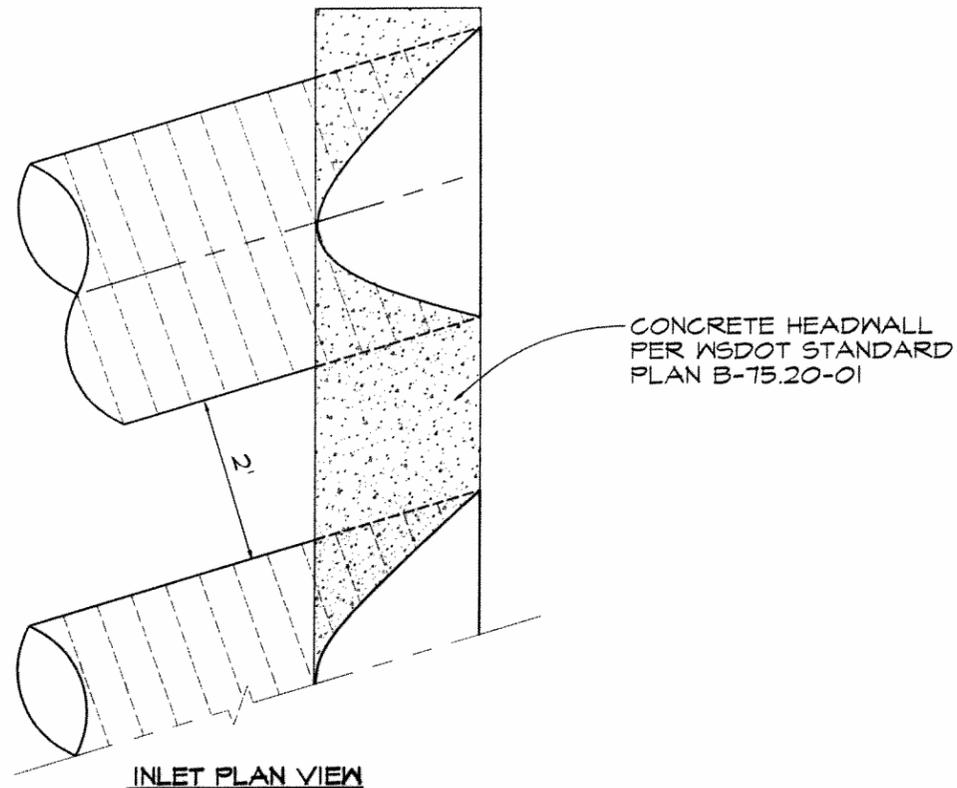
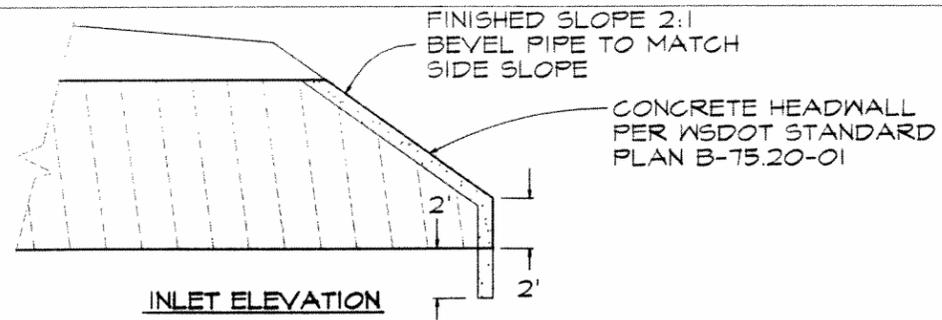
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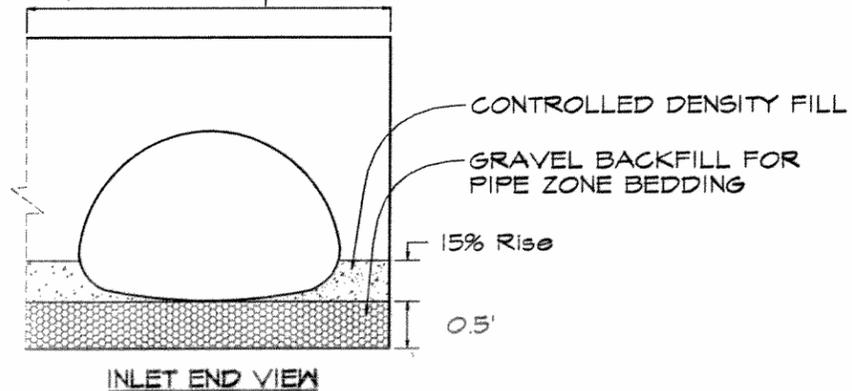
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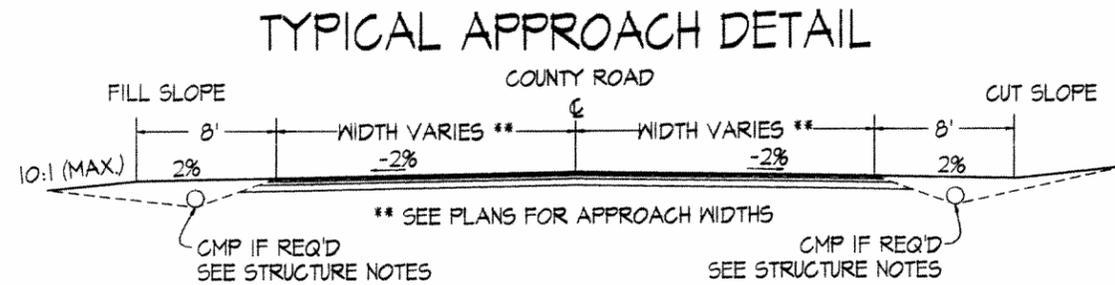
SHEET 17  
 OF 19



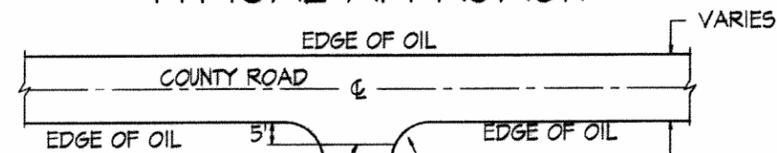
WIDTH (see standard plan 2-09.4)



PIPE INSTALLATION



### TYPICAL APPROACH



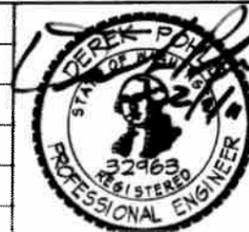
UNLESS OTHERWISE NOTED ON THE PLANS  
 APPROACH RADII WILL BE AS FOLLOWS:  
 COUNTY ROAD 30' RADIUS  
 COMMERCIAL APPROACH 20' RADIUS  
 FARM APPROACH 15' RADIUS  
 RESIDENTIAL APPROACH 10' RADIUS

LOCATIONS: SEE STRUCTURE NOTES

GRANT COUNTY PUBLIC WORKS DEPARTMENT  
 124 ENTERPRISE ST. SE  
 EPHRATA, WASHINGTON 98823  
 (509) 754-6082 FAX (509) 754-6087

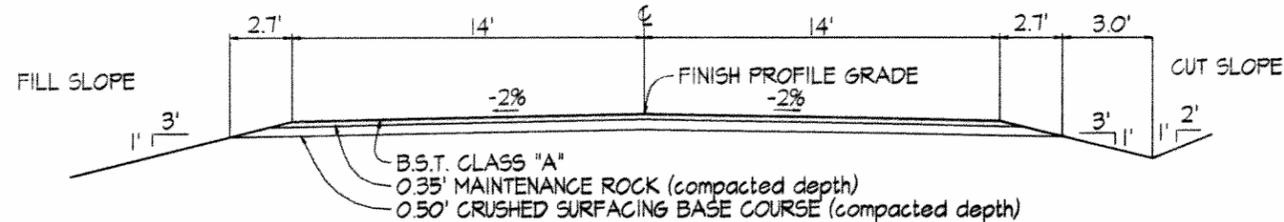
R-NE ROAD RECONSTRUCTION  
 CRP 08-13 & 10-05

DESIGNED BY: BOB BERSANTI  
 DRAWN BY: BOB BERSANTI  
 CHECKED BY: DEREK POHLE  
 REVISIONS BY:  
 DATE REVISED:  
 FEDERAL AID NO.:



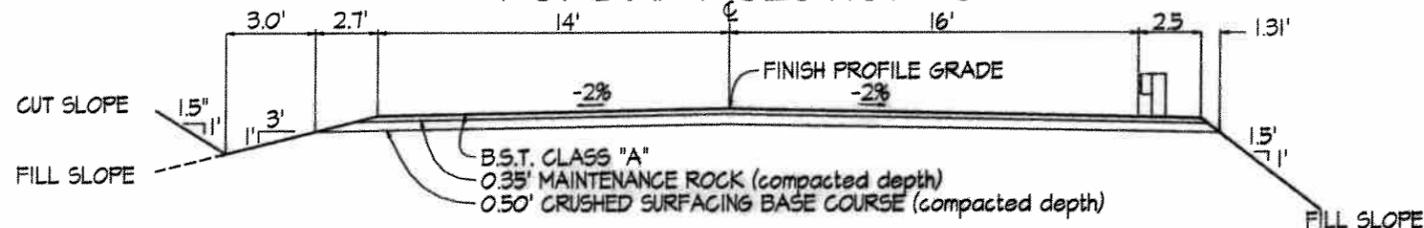
SHEET 13  
 OF 19

### ROADWAY SECTION "A"



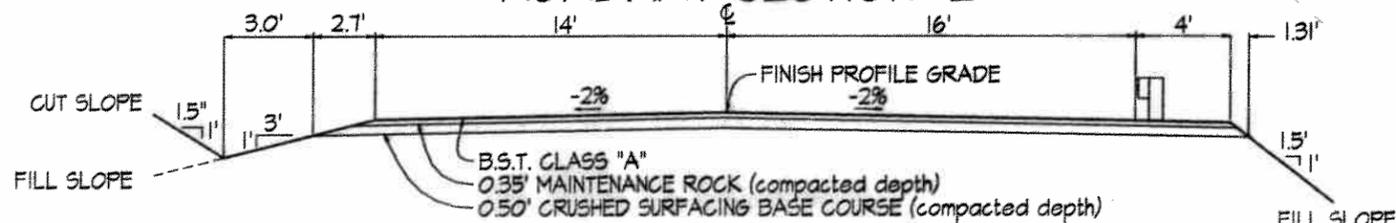
MATCH EXISTING ROADWAY STA 10+00  
 TRANSITION EXISTING ROADWAY STA. 10+00 TO SECTION "A" STA. 11+00  
 STA. 11+00 TO STA. 61+00  
 TRANSITION ROADWAY SECTION "A" STA 61+00 TO ROADWAY SECTION "B" STA. 62+00  
 STA. 66+00 TO STA. 72+00  
 TRANSITION ROADWAY SECTION "A" STA 72+00 TO ROADWAY SECTION "B" STA.73+00  
 STA. 83+00 TO STA. 98+70  
 TRANSITION ROADWAY SECTION "A" STA. 98+70 TO ROADWAY SECTION "E" STA. 99+10  
 STA. 86+10 TO STA. 95+82  
 TRANSITION ROADWAY SECTION "A" STA 95+82 TO ROADWAY SECTION "B" STA. 96+32  
 STA. 105+75 TO STA. 111+20  
 TRANSITION ROADWAY SECTION "A" STA 111+20 TO ROADWAY SECTION "E" STA.111+60  
 STA. 124+65 TO STA. 153+00  
 TRANSITION ROADWAY SECTION "A" STA 153+00 TO ROADWAY SECTION "D" STA. 154+00  
 STA. 158+50 TO STA. 219+00  
 TRANSITION ROADWAY SECTION "A" STA 219+00 TO EXISTING ROADWAY STA. 220+00

### ROADWAY SECTION "C"



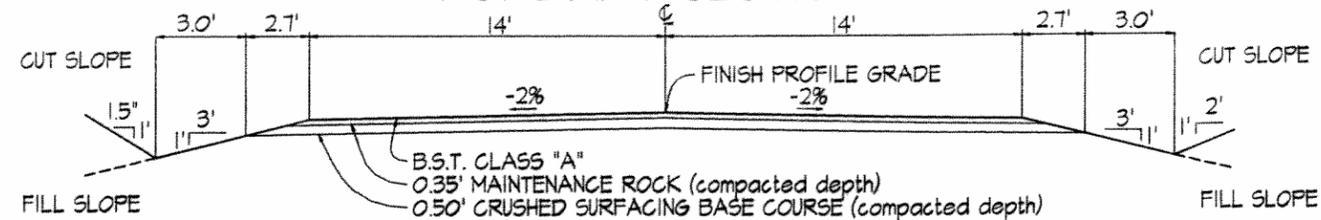
STA. 99+45 TO STA. 105+00  
 TRANSITION ROADWAY SECTION "C" STA 105+00 TO ROADWAY SECTION "E" STA. 105+25  
 STA. 111+95 TO STA. 123+90  
 TRANSITION ROADWAY SECTION "C" STA 123+90 TO ROADWAY SECTION "E" STA. 124+15

### ROADWAY SECTION "E"



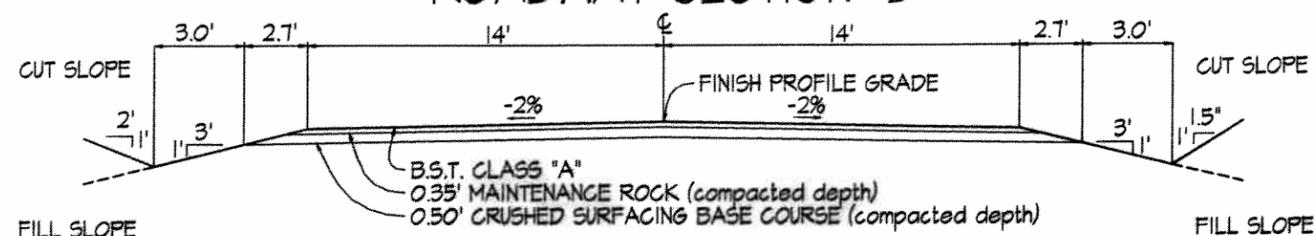
STA. 99+10 TO STA. 99+20  
 TRANSITION ROADWAY SECTION "E" STA 99+20 TO ROADWAY SECTION "C" STA. 99+45  
 STA. 105+25 TO STA. 105+35  
 TRANSITION ROADWAY SECTION "E" STA 105+35 TO ROADWAY SECTION "A" STA. 105+75  
 STA. 111+60 TO STA. 111+70  
 TRANSITION ROADWAY SECTION "E" STA 111+70 TO ROADWAY SECTION "C" STA. 111+95  
 STA. 124+15 TO STA. 124+25  
 TRANSITION ROADWAY SECTION "E" STA 124+25 TO ROADWAY SECTION "A" STA. 124+65

### ROADWAY SECTION "B"



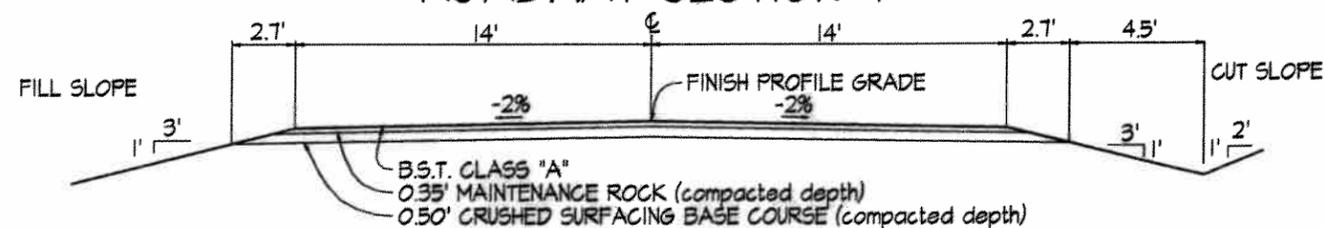
STA. 62+00 TO STA. 65+00  
 TRANSITION ROADWAY SECTION "B" STA 65+00 TO ROADWAY SECTION "A" STA. 66+00  
 STA. 73+00 TO STA. 82+00  
 TRANSITION ROADWAY SECTION "B" STA 82+00 TO ROADWAY SECTION "A" STA.83+00  
 STA. 84+60 TO STA. 85+60  
 TRANSITION ROADWAY SECTION "B" STA 85+60 TO ROADWAY SECTION "A" STA. 86+10  
 STA. 96+32 TO STA. 97+32  
 TRANSITION ROADWAY SECTION "B" STA. 97+32 TO ROADWAY SECTION "A" STA. 97+82

### ROADWAY SECTION "D"



STA. 154+00 TO STA. 158+00  
 TRANSITION ROADWAY SECTION "D" STA 158+00 TO ROADWAY SECTION "A" STA. 158+50

### ROADWAY SECTION "F"



TRANSITION TO ROADWAY SECTION "A" 50' BEFORE AND 50' AFTER EACH SECTION BELOW  
 STA. 23+50 TO STA. 24+50  
 STA. 67+75 TO STA. 68+75  
 STA. 84+60 TO STA. 85+60  
 STA. 126+75 TO STA. 127+75  
 STA. 162+55 TO STA. 163+55

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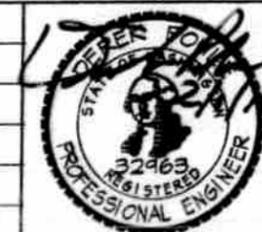
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REVISIONS BY:

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SHEET 19

OF 19