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CONTRACT PROVISIONS and PLANS

For Construction of:

**11-SW Road
CRP 10-10
RAP Project # 1310-01**

Sealed Bids will be Opened on
May 10, 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 11-SW Road, CRP 10-10**", 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, May 10, 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:

11-SW Road – CRP 10-10

This contract provides for the reconstruction of 5.01 miles of a county road in Grant County, WA, and includes rotomilling, roadway excavation, embankment compaction, crushed surfacing base course, maintenance rock, drainage items, paint lines, permanent signing, seeding, fertilizing, mulching and other work all in accordance with the attached Contract Plans, these Contract Provisions and the Standard Specifications.

BIDDER'S CHECK LIST

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

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

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

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

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Informational Only - NOT FOR BIDDING

1 **INTRODUCTION**

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

5 **AMENDMENTS TO THE STANDARD SPECIFICATIONS**

6
7 The following Amendments to the Standard Specifications are made a part of this contract and
8 supersede any conflicting provisions of the Standard Specifications. For informational
9 purposes, the date following each Amendment title indicates the implementation date of the
10 Amendment or the latest date of revision.

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

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

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

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

22 AREMA American Railway Engineering and Maintenance Association
23

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

26 **1-02.7 Bid Deposit**

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

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

32 **1-02.9 Delivery of Proposal**

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

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

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

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

1 **SECTION 1-06, CONTROL OF MATERIALS**
2 **January 3, 2011**

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

4 This section is supplemented with the following new sub-section:
5

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

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

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

18
19
20 The deductions for fabrication inspection costs will be as shown in the Payment Table
21 below.
22

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

23 *Note - An inspection day includes any calendar day or portion of a calendar day
24 spent inspecting at or traveling to and from a place of fabrication.
25

26 Where fabrication of an item takes place in more than one zone, the reduction in payment
27 will be computed on the basis of the entire item being fabricated in the furthest of zones
28 where any fabrication takes place on that item.
29

30 The rates for Zone 2 and 3 shall be applied for the full duration time of all fabrication
31 inspection activities to include but not limited to; plant approvals, prefabrication meetings,
32 fabrication, coatings and final inspection.
33

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

**Table 2
Pay Factors**

PAY FACTOR Category	Minimum Required Percent of Work Within Specification Limits for a Given Factor (PU + PL) – 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	92
1.00	69	75	78	80	82	83	84	85	86	87	88	89	90	91	92
0.99	66	72	76	78	80	81	82	83	84	85	86	87	88	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)

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

**Table 2
Pay Factors (continued)**

PAY FACTOR Category	Minimum Required Percent of Work Within Specification Limits for a Given Factor (P _U + P _L) – 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 ∞
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.															

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

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

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

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

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

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

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

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

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

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

25 **1-07.14 Responsibility for Damage**

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

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

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

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

53 This section is supplemented with the following:
54

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

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

13 The fourth paragraph is deleted.

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

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

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

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

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

33 **Implementation Requirements**

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

40 **SPCC Plan Element Requirements**

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

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

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

4. Potential Spill Sources

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

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

5. Pre-Existing Contamination

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

6. Spill Prevention and Response Training

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

7. Spill Prevention

Describe the following items:

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

- 1 E. BMP Methods used to prevent discharges to ground or water during
2 mixing and transfers of hazardous materials and fuel. Methods to control
3 pollutants shall use BMPs in accordance with Ecology's Construction
4 Stormwater General NPDES Permit. BMPs guidance is provided in
5 Ecology's Stormwater Management Manuals, such as Volume II –
6 Construction Stormwater Pollution Prevention, BMP C153 and Volume IV
7 Source Control BMPs.
8
9 F. Refueling procedures for equipment that cannot be moved from below
10 the ordinary high water line.
11
12 G. Daily inspection and cleanup procedures that ensure all equipment used
13 below the ordinary high water line is free of all external petroleum-based
14 products.
15
16 H. Routine equipment, storage area, and structure inspection and
17 maintenance practices to prevent drips, leaks or failures of hoses, valves,
18 fittings, containers, pumps, or other systems that contain or transfer
19 hazardous materials.
20
21 I. Site inspection procedures and frequency.
22

23 8. Spill Response

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

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

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

53 9. Project Site Map

54 Provide a map showing the following items:

- 1
2 A. Site location and boundaries.
3
4 B. Site access roads.
5
6 C. Drainage pathways from the site.
7
8 D. Nearby waterways and sensitive areas.
9
10 E. Hazardous materials, equipment, and decontamination areas identified in
11 4, above.
12
13 F. Pre-existing contamination or contaminant sources described in 5,
14 above.
15
16 G. Spill prevention and response equipment described in 7 and 8, above.
17

18 10. Spill Report Forms

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

22 **Payment**

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

26 "SPCC Plan," lump sum.
27

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

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

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

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

44 The second paragraph is revised to read:
45

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

52 The third paragraph is revised to read:
53

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

9
10 The fourth paragraph is revised to read:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2 **April 4, 2011**

3 **1-08.1 Subcontracting**

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

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

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

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

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

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

25 **1-08.5 Time for Completion**

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

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

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

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

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

39 **January 3, 2011**

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

41 This section is revised to read:

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

46 **Scales**

47 Scales shall:

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

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

Scale Operations

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

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

In addition, the Contractor shall ensure that:

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

Trucks and Tickets

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

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

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

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

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

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

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

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

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

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

26 The third paragraph is deleted.
27

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

29 This section is revised to read:

30 **Scale Verification Checks**

31
32 The Engineer will verify the accuracy of each batch, hopper or platform scale. The
33 frequency of verification checks will be such that at least one test weekly is performed for
34 each weighed contract item of work being performed during that week.
35

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

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

- 41
42 1. Weigh a loaded truck on a separate certified platform scale designated by the
43 Contractor, for the purpose of scale verification.
44
45 2. Weigh a vehicle that weighs at least 10,000 pounds on a separate certified scale
46 and then check the project scale with it.
47
48 3. Establish a certified fixed load weighing at least 10,000 pounds as a check-weight.
49 The certification shall consist of an affidavit affirming the correct weight of the fixed
50 load.
51

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

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

4 ***Belt Scales***

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

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

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

18 ***Minor Construction Items***

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

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

25 This section is revised to read:
26

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

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

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

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

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

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

1-09.9 Payments

The first paragraph is revised to read:

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

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

In the third paragraph, the second sentence is deleted.

1-09.11(1)A Disputes Review Board Membership

This section is supplemented with the following new paragraph:

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

SECTION 1-10, TEMPORARY TRAFFIC CONTROL

April 4, 2011

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

1-10.1 General

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

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

1-10.2(1)A Traffic Control Management

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

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

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

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

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

10
11 The third paragraph is supplemented with the following:

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

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

19 The second paragraph is revised to read:

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

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

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

40
41 The first paragraph is revised to read:

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

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

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

5 The first paragraph is revised to read:

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

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

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

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

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

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

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

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

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

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

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

35 The title for this section is revised to read:

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

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

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

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

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

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

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

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

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

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

9 This Section is supplemented with the following:

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

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

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

18 This Section is supplemented with the following:

19 "Pedestrian Traffic Control", lump sum.

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

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

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

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

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

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

35 **2-02.3 Construction Requirements**

36 The fourth paragraph is revised to read:

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

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

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

46 The sixth paragraph is revised to read:

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

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

6 Item number 1 is revised to read:
7

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

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

17 The 14th paragraph is revised to read:
18

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

25 **2-09.4 Measurement**

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

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

32 **SECTION 5-04, HOT MIX ASPHALT**

33 **April 4, 2011**

34 **5-04.3(5)E Pavement Repair**

35 The third sentence in the second paragraph is revised to read:
36

37 The minimum width of any pavement repair area shall be 42-inches unless shown
38 otherwise in the Plans.
39

40 **5-04.3(8)A1 General**

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

43 Statistical evaluation will be used for a class of HMA with the same PG grade of asphalt
44 binder, when the Proposal quantities exceed 4,000-tons.
45

46 The third paragraph is revised to read:
47

48 Nonstatistical evaluation will be used for the acceptance of HMA when the Proposal
49 quantities for a class of HMA, with the same PG grade of asphalt binder, are 4,000-tons or
50 less.

1
2 **5-04.3(8)A4 Definition of Sampling Lot and Sublot**

3 The first sentence in the first paragraph is revised to read:

4
5 A lot is represented by randomly selected samples of the same mix design that will be
6 tested for acceptance with a maximum of 15 sublots per lot; the final lot for a mix design
7 may be increased to 25 sublots

8
9 **5-04.3(10)B1 General**

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

11
12 A lot is represented by randomly selected samples of the same mix design that will be
13 tested for acceptance with a maximum of 15 sublots per lot; the final lot for a mix design
14 may be increased to 25 sublots.

15
16 **SECTION 7-02, CULVERTS**

17 **January 3, 2011**

18 **7-02.2 Materials**

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

21
22 Steel Rib Reinforced Polyethylene Culvert Pipe 9-05.21
23 High Density Polyethylene (HDPE) Pipe 9-05.23
24 Polypropylene Culvert Pipe 9-05.25

25
26 The third paragraph is revised to read:

27
28 Thermoplastic culvert pipe includes solid wall PVC culvert pipe, profile wall PVC culvert
29 pipe, corrugated polyethylene culvert pipe, and polypropylene culvert pipe.

30
31 In the 'Culvert Pipe Schedules' table, the last column is revised to read:

32

Thermoplastic PE ¹ , PVC ² or PP ³
PE, PVC, or PP
None

33
34 The footnotes below the 'Culvert Pipe Schedules' table are supplemented with the following:

35
36 3 Polypropylene pipe

1
2 **7-02.5 Payment**

3 This section is supplemented with the following:

4
5 "Steel Rib Reinforced Polyethylene Culvert Pipe ____ In. Diam.", per linear foot.

6 "High Density Polyethylene (HDPE) Pipe ____ In. Diam.", per linear foot.

7 "Polypropylene Culvert Pipe ____ In. Diam.", per linear foot.
8

9 **SECTION 8-01, EROSION CONTROL AND WATER POLLUTION CONTROL**
10 **April 4, 2011**

11 **8-01.2 Materials**

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

13
14 Corrugated Polyethylene Drain Pipe 9-05.1(6)
15

16 **8-01.3(1) General**

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

18
19 When natural elements rut or erode the slope, the Contractor shall restore and repair the
20 damage with the eroded material where possible, and remove and dispose of any
21 remaining material found in ditches and culverts.
22

23 In the seventh paragraph the first two sentences are deleted.

24
25 The table in the seventh paragraph is revised to read:

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

28 May 1 through September 30 17 Acres

29 October 1 through April 30 5 Acres
30

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

32 April 1 through October 31 17 Acres

33 November 1 through March 31 5 Acres
34

35 The eighth paragraph is revised to read:

36
37 The Engineer may increase or decrease the limits based on project conditions.
38

39 The ninth paragraph is revised to read:

40
41 Erodible earth is defined as any surface where soils, grindings, or other materials may be
42 capable of being displaced and transported by rain, wind, or surface water runoff.
43

44 The 10th paragraph is revised to read:

45
46 Erodible earth not being worked, whether at final grade or not, shall be covered within the
47 specified time period, (see the tables below) using an approved soil covering practice.
48

49 **Western Washington (West of the Cascade Mountain crest)**

50 October 1 through April 30 2-days maximum

51 May 1 to September 30 7-days maximum
52

1
2 **Eastern Washington (East of the Cascade Mountain crest.)**

3 October 1 through June 30 5-days maximum

4 July 1 through September 30 10-days maximum

5
6 **8-01.3(1)A Submittals**

7 This section is revised to read:

8
9 When a Temporary Erosion and Sediment Control (TESC) Plan is included in the Plans, the
10 Contractor shall either adopt or modify the existing TESC Plan. If modified, the Contractor's
11 TESC Plan shall meet all requirements of Chapter 6-2 of the current edition of the WSDOT
12 Highway Runoff Manual. The Contractor shall provide a schedule for TESC Plan
13 implementation and incorporate it into the Contractor's progress schedule. The Contractor
14 shall obtain the Engineer's approval of the TESC Plan and schedule prior to the beginning
15 of Work. The TESC Plan shall cover all areas that maybe affected inside and outside the
16 limits of the project (including all Contracting Agency-provided sources, disposal sites, and
17 haul roads, and all nearby land, streams, and other bodies of water).

18
19 The Contractor shall allow at least 5-working days for the Engineer to review any original or
20 revised TESC Plan. Failure to approve all or part of any such Plan shall not make the
21 Contracting Agency liable to the Contractor for any Work delays.

22
23 **8-01.3(1)B Erosion and Sediment Control (ESC) Lead**

24 In the last paragraph, "Form Number 220-030 EF" is revised to read "WSDOT Form Number
25 220-030 EF".

26
27 **8-01.3(1)C Water Management**

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

29
30 Number 3., is revised to read:

31
32 3. Offsite Water

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

39
40 **8-01.3(1)D Dispersion/Infiltration**

41 This section is revised to read:

42
43 Water shall be conveyed only to dispersion or infiltration areas designated in the TESC
44 Plan or to sites approved by the Engineer. Water shall be conveyed to designated
45 dispersion areas at a rate such that, when runoff leaves the area, and enters waters of the
46 State, turbidity standards are achieved. Water shall be conveyed to designated infiltration
47 areas at a rate that does not produce surface runoff.

48
49 **8-01.3(2)B Seeding and Fertilizing**

50 The fourth paragraph is revised to read:

1 The seed applied using a hydroseeder shall have a tracer added to visibly aid uniform
2 application. This tracer shall not be harmful to plant, aquatic or animal life. If Short Term
3 Mulch is used as a tracer, the application rate shall not exceed 250-pounds per acre.
4

5 In the fifth paragraph, "hydro seeder" is revised to read "hydroseeder".
6

7 **8-01.3(2)D Mulching**

8 In the second paragraph, the second sentence is revised to read:
9

10 Wood strand mulch shall be applied by hand or by straw blower on seeded areas.
11

12 In the third paragraph, "1" is revised to read "a single" and "hydro seeder" is revised to read
13 "hydroseeder".
14

15 The fourth paragraph is revised to read:
16

17 Temporary seed applied outside the application windows established in 8-01.3(2)F shall be
18 covered with a mulch containing either Moderate Term Mulch or Long Term Mulch, as
19 designated by the Engineer.
20

21 **8-01.3(2)E Tacking Agent and Soil Binders**

22 The following new paragraph is inserted at the beginning of this Section:
23

24 Tacking agent or soil binders applied using a hydroseeder shall have a mulch tracer added
25 to visibly aid uniform application. This tracer shall not be harmful to plant, aquatic or animal
26 life. If Short Term Mulch is used as a tracer, the application rate shall not exceed 250-
27 pounds per acre.
28

29 The third sentence in the first paragraph below "**Soil Binding Using Polyacrylamide (PAM)**" is
30 revised to read:
31

32 A minimum of 200-pounds per acre of Short Term Mulch shall be applied with the dissolved
33 PAM.
34

35 In the second paragraph below "**Soil Binding Using Polyacrylamide (PAM)**", "within" is
36 revised to read "after".
37

38 The paragraph "**Soil Binding Using Bonded Fiber Matrix (BFM)**" including title is revised to
39 read:
40

41 **Soil Binding Using Moderate Term Mulch**

42 The Moderate Term Mulch shall be hydraulically applied in accordance with the
43 manufacturer's installation instructions. The Moderate Term Mulch may require a 24 to 48
44 hour curing period to achieve maximum performance and shall not be applied when
45 precipitation is predicted within 24 to 48 hours, or on saturated soils, as determined by the
46 Engineer.
47

48 The last paragraph including titled is revised to read:
49

50 **Soil Binding Using Long Term Mulch**

51 The Long Term Mulch shall be hydraulically applied in accordance with the manufacturer's
52 installation instructions and recommendations.

1
2 **8-01.3(2)F Dates for Application of Final Seed, Fertilizer, and Mulch**

3 The first paragraph is revised to read:

4
5 Unless otherwise approved by the Engineer, the final application of seeding, fertilizing, and
6 mulching of slopes shall be performed during the following periods:
7

8 **Western Washington¹**

9 (West of the Cascade Mountain crest)

10 March 1 through May 15

11 September 1 through October 1

Eastern Washington

(East of the Cascade Mountain crest)

October 1 through November 15 only

12
13 ¹ Where Contract timing is appropriate, seeding, fertilizing, and mulching shall be
14 accomplished during the fall period listed above. Written permission to seed after
15 October 1 will only be given when Physical Completion of the project is imminent and the
16 environmental conditions are conducive to satisfactory growth.
17

18 **8-01.3(2)G Protection and Care of Seeded Areas**

19 The first paragraph is revised to read:

20
21 The Contractor shall be responsible to ensure a healthy stand of grass. The Contractor
22 shall restore eroded areas, clean up and properly dispose of eroded materials, and reapply
23 the seed, fertilizer, and mulch, at no additional cost to the Contracting Agency.
24

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

- 26
27 1. At the Contractor's expense, seed, fertilizer and mulch shall be reapplied in areas that
28 have been damaged through any cause prior to final inspection, and reapplied to areas
29 that have failed to receive a uniform application at the specified rate.
30

31 **8-01.3(2)H Inspection**

32 The first sentence is revised to read:

33
34 Inspection of seeded areas will be made upon completion of seeding, temporary seeding,
35 fertilizing, and mulching.
36

37 The third sentence is revised to read:

38
39 Areas that have not received a uniform application of seed, fertilizer, or mulch at the
40 specified rate, as determined by the Engineer, shall be reseeded, refertilized, or remulched
41 at the Contractor's expense prior to payment.
42

43 **8-01.3(2)I Mowing**

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

45
46 Trimming around traffic facilities, Structures, planting areas, or other features extending
47 above ground shall be accomplished preceding or simultaneously with each mowing.
48

49 **8-01.3(3) Placing Erosion Control Blanket**

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

51
52 The second sentence is revised to read:

1
2 Temporary erosion control blankets, having an open area of 60-percent or greater, may be
3 installed prior to seeding.
4

5 **8-01.3(4) Placing Compost Blanket**

6 In the first paragraph, "before" is revised to read "prior to".
7

8 The last sentence is revised to read:
9

10 Compost shall be Coarse Compost.
11

12 **8-01.3(5) Placing Plastic Covering**

13 The first sentence is revised to read:
14

15 Plastic shall be placed with at least a 12-inch overlap of all seams.
16

17 **8-01.3(6)A Geotextile-Encased Check Dam**

18 The first paragraph is deleted.
19

20 **8-01.3(6)B Rock Check Dam**

21 This section including title is revised to read:
22

23 **8-01.3(6)B Quarry Spall Check Dam**

24 The rock used to construct rock check dams shall meet the requirements for quarry spalls.
25

26 **8-01.3(6)D Wattle Check Dam**

27 This section is revised to read:
28

29 Wattle check dams shall be installed in accordance with the Plans.
30

31 **8-01.3(6)E Coir Log**

32 This section is revised to read:
33

34 Coir logs shall be installed in accordance with the Plans.
35

36 **8-01.3(9)A Silt Fence**

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

39 The strength of the wire or plastic mesh shall be equivalent to or greater than what is
40 required in Section 9-33.2(1), Table 6 for unsupported geotextile (i.e., 180 lbs. grab tensile
41 strength in the machine direction).
42

43 **8-01.3(9)B Gravel Filter, Wood Chip or Compost Berm**

44 In the second paragraph, the last sentence is deleted.
45

46 The third paragraph is revised to read:
47

48 The Compost Berm shall be constructed in accordance with the detail in the Plans.
49 Compost shall be Coarse Compost.
50

51 **8-01.3(9)C Straw Bale Barrier**

52 This section is revised to read:
53

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

3 **8-01.3(9)D Inlet Protection**

4 The first three paragraphs are revised to read:

5
6 Inlet protection shall be installed below or above, or as a prefabricated cover at each inlet
7 grate, as shown in the Plans. Inlet protection devices shall be installed prior to beginning
8 clearing, grubbing, or earthwork activities.

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

13
14 When the depth of accumulated sediment and debris reaches approximately $\frac{1}{2}$ the height
15 of an internal device or $\frac{1}{3}$ the height of the external device (or less when so specified by the
16 manufacturers) or as designated by the Engineer, the deposits shall be removed and
17 stabilized on site in accordance with Section 8-01.3(16).

19 **8-01.3(10) Wattles**

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

21
22 Excavated material shall be spread evenly along the uphill slope and be compacted using
23 hand tamping or other method approved by the Engineer.

24
25 This section is supplemented with the following new paragraph:

26
27 The Contractor shall exercise care when installing wattles to ensure that the method of
28 installation minimizes disturbance of waterways and prevents sediment or pollutant
29 discharge into waterbodies.

31 **8-01.3(12) Compost Sock**

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

34
35 In the second paragraph "bank" is revised to read "slope".

36
37 In the third paragraph "and" is revised to read "or".

38
39 This section is supplemented with the following new paragraph:

40
41 Compost for Compost Socks shall be Coarse Compost.

43 **8-01.3(14) Temporary Pipe Slope Drain**

44 The first paragraph is revised to read:

45
46 Temporary pipe slope drain shall be Corrugated Polyethylene Drain Pipe and shall be
47 constructed in accordance with the Plans

48
49 The last paragraph is revised to read:

50
51 Placement of outflow of the pipe shall not pond water on road surface.
52

1 **8-01.3(15) Maintenance**

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

3
4 Clean sediments may be stabilized on site using approved BMPs as approved by the
5 Engineer.
6

7 **8-01.3(16) Removal**

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

9
10 This may include, but is not limited to, ripping the soil, incorporating soil amendments, and
11 seeding with the specified seed.
12

13 **8-01.4 Measurement**

14 The eighth paragraph is revised to read:

15
16 Silt fence, gravel filter, compost berms, and wood chip berms will be measured by the linear
17 foot along the ground line of completed barrier.
18

19 **8-01.5 Payment**

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

21
22 "Inlet Protection", per each.

23
24 "Gravel Filter Berm", per linear foot.
25

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

27
28 The unit Contract price per linear foot for "Check Dam" and "Gravel Filter Berm" and per
29 each for "Inlet Protection" shall be full pay for all equipment, labor and materials to perform
30 the Work as specified, including installation, removal and disposal at an approved disposal
31 site.
32

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

34
35 The unit Contract price per linear foot for "Temporary Curb" shall include all costs to install,
36 maintain, remove, and dispose of the temporary curb.
37

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

39
40 "Mulching with Short Term Mulch", per acre.
41

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

43
44 "Mulching with Moderate Term Mulch"
45

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

47
48 "Mulching with Long Term Mulch"
49

1 **SECTION 8-02, ROADSIDE RESTORATION**

2 **January 3, 2011**

3 **8-02.2 Materials**

4 In the first paragraph, the following item is inserted after the item "Fertilizer 9-14.3":

5
6 Mulch and Amendments 9-14.4

7
8 **8-02.3(2) Roadside Work Plan**

9 In the first paragraph, the second sentence is revised to read:

10
11 The roadside work plan shall define the Work necessary to provide all Contract
12 requirements, including: wetland excavation, soil preparation, habitat, Structure placement,
13 planting area preparation, seeding area preparation, bark mulch and compost placement,
14 seeding, planting, plant replacement, irrigation, and weed control in narrative form.

15
16 The first sentence under "**Progress Schedule**" is revised to read:

17
18 A progress schedule shall be submitted in accordance with Section 1-08.3. The Progress
19 Schedule shall include the planned time periods for Work necessary to provide all Contract
20 requirements in accordance with Sections 8-01, 8-02, and 8-03.

21
22 The first sentence under "**Weed and Pest Control Plan**" is revised to read:

23
24 The Weed and Pest Control Plan shall be submitted and approved prior to starting any
25 Work defined in Sections 8-01, and 8-02.

26
27 In the third paragraph under "**Weed and Pest Control Plan**" the first and second sentences are
28 revised to read:

29
30 The plan shall be prepared and signed by a licensed Commercial Pest Control Operator or
31 Consultant when chemical pesticides are proposed. The plan shall include methods of
32 weed control; dates of weed control operations; and the name, application rate, and
33 Material Safety Data Sheets of all proposed herbicides.

34
35 The last paragraph under "**Plant Establishment Plan**" is deleted.

36
37 **8-02.3(2)A Chemical Pesticides**

38 This section is deleted.

39
40 **8-02.3(2)B Weed Control**

41 This section is deleted.

42
43 **8-02.3(3) Planting Area Weed Control**

44 This section including title is revised to read:

45
46 **8-02.3(3) Weed and Pest Control**

47 The Contractor shall control weed and pest species within the project area using integrated
48 pest management principles consisting of mechanical, biological and chemical controls that
49 are outlined in the Weed and Pest Control Plan or as designated by the Engineer.

50
51 Those weeds specified as noxious by the Washington State Department of Agriculture, the
52 local Weed District, or the County Noxious Weed Control Board and other species identified

1 by the Contracting Agency shall be controlled on the project in accordance with the weed
2 and pest control plan.

3
4 The Contractor shall control weeds not otherwise covered in accordance with Section 8-
5 02.3(3)A, **Planting Area Weed Control** in all areas within the project limits, including
6 erosion control seeding area and vegetation preservation areas, as designated by the
7 Engineer.

8
9 This section is supplemented with the following new sub-sections:

10
11 **8-02.3(3)A Planting Area Weed Control**

12 All planting areas shall be prepared so that they are weed and debris free at the time of
13 planting and until completion of the project. The planting areas shall include the entire
14 ground surface, regardless of cover, all planting beds, areas around plants, and those
15 areas shown in the Plans.

16
17 All applications of post-emergent herbicides shall be made while green and growing tissue
18 is present. Should unwanted vegetation reach the seed stage, in violation of these
19 Specifications, the Contractor shall physically remove and bag the seed heads. All
20 physically removed vegetation and seed heads shall be disposed of off site at no cost to the
21 Contracting Agency.

22
23 Weed barrier mats shall be installed as shown in the Plans. Mats shall be 3-foot square and
24 shall be secured by a minimum of 5-staples per mat. Mats and staples shall be installed
25 according to the manufacturer's recommendations.

26
27 **8-02.3(3)B Chemical Pesticides**

28 Application of chemical pesticides shall be in accordance with the label recommendations,
29 the Washington State Department of Ecology, local sensitive area ordinances, and
30 Washington State Department of Agriculture laws and regulations. Only those herbicides
31 listed in the table *Herbicides Approved for Use on WSDOT Rights of Way* at
32 http://www.wsdot.wa.gov/Maintenance/Roadside/herbicide_use.htm may be used.

33
34 The applicator shall be licensed by the State of Washington as a Commercial Applicator or
35 Commercial Operator with additional endorsements as required by the Special Provisions
36 or the proposed weed control plan. The Contractor shall furnish the Engineer evidence that
37 all operators are licensed with appropriate endorsements, and that the pesticide used is
38 registered for use by the Washington State Department of Agriculture. All chemicals shall
39 be delivered to the job site in the original containers. The licensed applicator or operator
40 shall complete a Commercial Pesticide Application Record (DOT Form 540-509) each day
41 the pesticide is applied, and furnish a copy to the Engineer by the following business day.

42
43 The Contractor shall ensure confinement of the chemicals within the areas designated. The
44 use of spray chemical pesticides shall require the use of anti-drift and activating agents,
45 and a spray pattern indicator unless otherwise allowed by the Engineer.

46
47 The Contractor shall assume all responsibility for rendering any area unsatisfactory for
48 planting by reason of chemical application. Damage to adjacent areas, either on or off the
49 Highway Right of Way, shall be repaired to the satisfaction of the Engineer or the property
50 owner, and the cost of such repair shall be borne by the Contractor.

51
52 **8-02.3(5) Planting Area Preparation**

53 In the first paragraph, the second sentence is revised to read:

1 Material displaced by the Contractor's operations that interferes with drainage shall be
2 removed from the channel and disposed of as approved by the Engineer.
3

4 **8-02.3(7) Layout of Planting**

5 The second paragraph is deleted.
6

7 **8-02.3(8) Planting**

8 In the second paragraph, the first and second sentences are revised to read:
9

10 Under no circumstances will planting be permitted during unsuitable soil or weather
11 conditions as determined by the Engineer. Unsuitable conditions may include frozen soil,
12 freezing weather, saturated soil, standing water, high winds, heavy rains, and high water
13 levels.
14

15 The fourth paragraph is revised to read:

16 Plants shall not be placed below the finished grade.
17

18 The fifth paragraph is revised to read:

19 Planting hole sizes for plant material shall be in accordance with the details shown in the
20 Plans. Any glazed surface of the planting hole shall be roughened prior to planting.
21

22 The following new paragraph is inserted after the fifth paragraph:
23

24 All cuttings shall be planted immediately if buds begin to swell.
25

26 **8-02.3(9) Pruning, Staking, Guying, and Wrapping**

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

29 All other pruning shall be performed only after the plants have been in the ground at least
30 one year and when plants are dormant.
31

32 **8-02.3(13) Plant Establishment**

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

35 During the first-year plant establishment period, the Contractor shall perform all Work
36 necessary to ensure the resumption and continued growth of the transplanted material.
37

38 In the fourth paragraph, "propose" is revised to read "submit".
39

40 **8-02.3(15) Live Fascines**

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

43 Dead branches may be placed within the live fascine and on the side exposed to the air.
44

45 In the second paragraph, the third sentence is deleted.
46

47 In the second paragraph, the seventh sentence is revised to read:
48

49 The live stakes shall be driven through the live fascine vertically into the slope.
50
51
52

1 **8-02.3(16)A Lawn Installation**

2 In the third paragraph, the last two items "West of the summit of the Cascade Range - March 1
3 to October 1." and "East of the summit of the Cascade Range - April 15 to October 1." are
4 revised to read:

5
6 Western Washington
7 (West of the Cascade Mountain crest)
8 March through May 15
9 September 1 through October 1

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

10
11 The fifth paragraph is revised to read:

12
13 Topsoil for seeded or sodded lawns shall be placed at the depth and locations as shown in
14 the Plans. The topsoil shall be cultivated to the specified depth, raked to a smooth even
15 grade without low areas that trap water and compacted, all as approved by the Engineer.

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

18
19 Following placement, the sod shall be rolled with a smooth roller to establish contact with
20 the soil.

21
22 **8-02.4 Measurement**

23 The seventh paragraph is revised to read:

24
25 Fine compost, medium compost and coarse compost will be measured by the cubic yard in
26 the haul conveyance at the point of delivery.

27
28 **8-02.5 Payment**

29 The following new paragraph is inserted above the paragraph beginning with "Payment shall be
30 increased to 90-percent.....":

31
32 Plant establishment milestones are achieved when plants meet conditions described in
33 Section 8-02.3(13).

34
35 The following is inserted after the bid item "Fine Compost":

36
37 "Medium Compost", per cubic yard.

38
39 The paragraph for the bid item "Weed Control" is revised to read:

40
41 "Weed and Pest Control", will be paid in accordance with Section 1-09.6.

42
43 The following new paragraph is inserted after the bid item "Soil Amendment":

44
45 The unit Contract price per cubic yard for "Soil Amendment" shall be full pay for furnishing
46 and incorporating the soil amendment into the existing soil.

47
48 The following new paragraph is inserted after the bid item "Bark or Wood Chip Mulch":

49
50 The unit Contract price per cubic yard for "Bark or Wood Chip Mulch" shall be full pay for
51 furnishing and spreading the mulch onto the existing soil.

1 **SECTION 8-10, GUIDE POSTS**
2 **August 2, 2010**

3 **8-10.3 Construction Requirements**

4 The second paragraph is supplemented with the following:

5
6 When guide posts are placed on new cement concrete pavement, any curing compound
7 shall be removed. All liquid membrane-forming compounds shall be removed from the
8 Portland cement concrete pavement to which guide post are to be bonded, Curing
9 compound removal shall not be started until the pavement has attained sufficient flexural
10 strength for traffic to be allowed on it. The Contractor shall submit a proposed removal
11 method to the Project Engineer and shall not begin the removal process until the Project
12 Engineer has approved the removal method. The final guide post lengths will be
13 determined or verified by the Engineer at the request of the Contractor.
14

15 **SECTION 8-21, PERMANENT SIGNING**
16 **April 4, 2011**

17 **8-21.3(4) Sign Removal**

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

19
20 Where signs are removed from existing overhead sign Structures, the existing vertical sign
21 support braces shall also be removed.
22

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

24
25 Aluminum signs, wood signs, wood sign posts, wood structures, metal sign posts, wind
26 beams, and other metal structural members, and all existing fastening hardware connecting
27 such members being removed, shall become the property of the Contractor and shall be
28 removed from the project.
29

30 **8-21.3(9)F Foundations**

31 In the ninth paragraph, the following new statement is inserted as number 1. Existing numbers
32 1 through 6 of the ninth paragraph shall be renumbered to 2 through 7.

33
34 1. Foundation excavations shall conform to the requirements of Section 2-09.3(3).
35

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

37
38 2. Steel reinforcement, including spiral reinforcing, shall conform to Section 9-07.2.
39

40 **8-21.3(9)G Identification Plates**

41 This section including title is revised to read:

42
43 **8-21.3(9)G Sign Structure Identification Information**

44 Whenever existing bridge mounted sign brackets, cantilever sign structures, or sign bridge
45 structures are removed from their anchorage, whether temporary or permanent, the
46 Contractor shall provide the sign structure identification information, attached to the sign
47 structures, to the Engineer. The identification information may be in the form of a riveted
48 plate, sticker, or other means.
49

1 **8-21.3(12) Steel Sign Posts**

2 This section is supplemented with the following:

3
4 For roadside sign structures on SB-1, SB-2, or SB-3 slip bases, the Contractor shall use
5 the following procedures and manufacturer's recommendations:

- 6
7 1. The Contractor shall assemble the perforated square steel post or solid square
8 steel post to the upper slip plate with bolts, nuts, and washers as shown in the
9 Plans.
10
11 2. The three bolts connecting the upper and lower slip plates shall be tightened using
12 as a torque wrench to the torque, following the procedures in the Plans.
13

14 For roadside structures on ST-2 and ST-4 sign supports, the Contractor shall use the
15 following procedures:

- 16
17 1. The Contractor shall assemble the perforated square steel post to the lower sign
18 post support with bolts, nuts, and washers as shown in the Plans.
19

20 **SECTION 8-22, PAVEMENT MARKING**
21 **August 2, 2010**

22 **8-22.1 Description**

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

24
25 Traffic letters used in word messages shall be sized as shown in the Plans.
26

27 **8-22.4 Measurement**

28 In the sixth paragraph "Painted Line" is revised to read "Paint Line".
29

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

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

33
34 **9-14.1 Soil**
35

36 **9-14.1(1) Topsoil Type A**

37 Topsoil Type A shall be as specified in the Special Provisions.
38

39 **9-14.1(2) Topsoil Type B**

40 Topsoil Type B shall be native topsoil taken from within the project limits either from the
41 area where roadway excavation is to be performed or from strippings from borrow, pit, or
42 quarry sites, or from other designated sources. The general limits of the material to be
43 utilized for topsoil will be indicated in the Plans or in the Special Provisions. The Engineer
44 will make the final determination of the areas where the most suitable material exists within
45 these general limits. The Contractor shall reserve this material for the specified use.
46 Material for Topsoil Type B shall not be taken from a depth greater than 1 foot from the
47 existing ground unless otherwise designated by the Engineer.
48

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

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

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

12 **9-14.2 Seed**

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

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

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

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

32 **9-14.3 Fertilizer**

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

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

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

1 **9-14.4 Mulch and Amendments**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

9-14.4(2)A Long Term Mulch

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

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

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

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

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

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

Table 1 Long Term Mulch Test Requirements

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

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

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

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

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

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

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

Table 2 Moderate Term Mulch Test Requirements

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

Induced Erosion		
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1
2 **9-14.4(2)C Short Term Mulch**

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

5
6 Prior to January 1, 2012, the Contractor shall supply independent ASTM D 6459 test results
7 from one of the following testing facilities:

- 8
9 National Transportation Product Evaluation Program (NTPEP)
10 Utah State University's Utah Water Research Laboratory
11 Texas Transportation Institute
12 San Diego State University's Soil Erosion Research Laboratory
13 TRI Environmental, Inc
14

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

18 **Table 3 Short Term Mulch Test Requirements**

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

19
20 **9-14.4(3) Bark or Wood Chips**

21 Bark or wood chip mulch shall be derived from Douglas fir, pine, or hemlock species. It
22 shall not contain resin, tannin, or other compounds in quantities that would be detrimental
23 to plant life. Sawdust shall not be used as mulch.
24

25 Bark or wood chips, when tested, shall be according to WSDOT Test Method T 123 prior to
26 placement and shall meet the following loose volume gradation:
27

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

28
29 **9-14.4(4) Wood Strand Mulch**

30 Wood strand mulch shall be a blend of angular, loose, long, thin wood pieces that are
31 frayed, with a high length-to-width ratio and shall be derived from native conifer or
32 deciduous trees. A minimum of 95 percent of the wood strand shall have lengths between
33 2 and 10 inches. At least 50 percent of the length of each strand shall have a width and
34 thickness between 1/16 and 1/2 inch. No single strand shall have a width or thickness
35 greater than 1/2 inch.
36

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

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

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

5
6 **9-14.4(6) Gypsum**

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

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

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

15
16 The Contractor shall provide test results documenting the tackifier meets the requirements
17 in Table 4 Tackifier Test Requirements.

18
19
20 **Table 4 Tackifier Test Requirements**

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

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

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

26
27 **9-14.4(7)B Synthetic Tackifier**

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

30
31 **9-14.4(8) Compost**

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

38
39 Compost production and quality shall comply with Chapter 173-350 WAC.

40
41 Compost products shall meet the following physical criteria:

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

1 Fine compost shall meet the following gradation:
2

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

3 Maximum particle length of 6 inches.
4

5 Medium compost shall meet the following gradation:
6

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

7 Maximum particle length of 6 inches.
8

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

14 Coarse compost shall meet the following gradation:
15

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

16 Maximum particle length of 6 inches.

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

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

- 1 6. Maturity shall be greater than 80 percent in accordance with U.S. Composting Council
2 TMECC 05.05-A, "Germination and Root Elongation".
3
- 4 7. Stability shall be 7 mg CO₂-C/g OM/day or below in accordance with U.S. Composting
5 Council TMECC 05.08-B "Carbon Dioxide Evolution Rate".
6
- 7 8. The compost product shall originate from recycled plant waste as defined in WAC 173-
8 350 as "Type 1 Feedstocks", "Type 2 Feedstocks," and/or "Type 3 Feedstocks". The
9 Contractor shall provide a list of feedstock sources by percentage in the final compost
10 product.
11
- 12 9. The Engineer may evaluate compost for maturity using U.S. Composting Council
13 TMECC 05.08-E "Solvita® Maturity Index". Fine compost shall score a number 6 or
14 above on the Solvita® Compost Maturity Test. Medium and Coarse compost shall
15 score a 5 or above on the Solvita® Compost Maturity Test.
16

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

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

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

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

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

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

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

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

47 **9-14.5 Erosion Control Devices**

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

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

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

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

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

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

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

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

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

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

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

9-14.5(3) Clear Plastic Covering

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

9-14.5(4) Geotextile-Encased Check Dam

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

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

9-14.5(5) Wattles

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

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

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

9-14.5(6) Compost Socks

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

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

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

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

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

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

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

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

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

21 **9-14.6 Plant Materials**

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

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

26
27 Container plants are grown in pots or flats that prevent root growth beyond the sides and
28 bottom of the container.
29

30 Balled and burlapped plants are grown in the ground and harvested with soil around a core
31 of undisturbed roots. This rootball is wrapped in burlap and tied or placed in a wire basket
32 or other supportive structure.
33

34 Cuttings are live plant material without a previously developed root system. Source plants
35 for cuttings shall be dormant when cuttings are taken and all cuts shall be made with a
36 sharp instrument. Cuttings may be collected. If cuttings are collected, the requirement to be
37 nursery grown or held in nursery conditions does not apply. Written permission shall be
38 obtained from property owners and provided to the Engineer before cuttings are collected.
39 The Contractor shall collect cuttings in accordance with applicable sensitive area
40 ordinances. Cuttings shall meet the following requirements:
41

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

40
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50
51 To acclimate plant materials to Northwest conditions, all plant materials used on a project
52 shall be grown continuously outdoors north of the 42nd Latitude (Oregon-California border)
53 from not later than August 1 of the year prior to the time of planting.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

3 4 **9-14.6(8) Sod**

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

7
8 The sod shall be field grown one calendar year or older, have a well developed root
9 structure, and be free of all weeds, disease, and insect damage.

10
11 Prior to cutting, the sod shall be green, in an active and vigorous state of growth, and
12 mowed to a height not exceeding 1 inch.

13
14 The sod shall be cut with a minimum of 1inch of soil adhering.

15 16 **9-14.7 Stakes, Guys, and Wrapping**

17 Stakes shall be installed as shown in the Plans.

18
19 Commercial plant ties may be used in lieu of hose and wire guying upon approval of the
20 Engineer. The minimum size of wire used for guying shall be 12 gauge, soft drawn.

21
22 Hose for guying shall be nylon, rubber, or reinforced plastic and shall have an inside
23 diameter of at least 1 inch.

24
25 Tree wrap shall be a crinkled waterproof paper weighing not less than 4.0 pounds per 100
26 square feet and shall be made up of two sheets cemented together with asphalt.

27 28 **SECTION 9-17, FLEXIBLE GUIDE POSTS**

29 **January 3, 2011**

30 **9-17.4 Pre-approval**

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

32
33 3. In lieu of State Materials Laboratory testing, the Lab will accept the results of pre-
34 approved testing performed by the National Transportation Product Evaluation
35 Program (NTREP), the manufacturer or other agencies under the following conditions:

36
37 a. The State Materials Laboratory is informed of the pre-approval testing sufficiently
38 in advance in order to attend and observe. Attendance will be at the discretion of
39 the Materials Laboratory.

40
41 b. The results of the testing shall be reported in sufficient detail to enable the State
42 Materials Laboratory to evaluate compliance with these Specifications.

43 44 **SECTION 9-22, MONUMENT CASES**

45 **January 4, 2010**

46 **9-22.1 Monument Cases, Covers, and Risers**

47 In the first sentence, "Class 30B" is revised to read "Class 35B".
48

1 **SECTION 9-34, PAVEMENT MARKING MATERIAL**

2 **January 3, 2011**

3
4 **9-34.1 General**

5 The item 'High VOC Solvent Based Paint' is deleted.

6
7 **9-34.2 Paint**

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

9
10 White and yellow paint shall comply with the Specifications for low VOC solvent based
11 paint or low VOC waterborne paint.

12
13 **9-34.2(1) High VOC Solvent Based Paint**

14 This section is including title is revised to read:

15
16 **9-34.2(1) Vacant**

17
18
19
20
21
22
Informational Only - NOT FOR BIDDING

1 **SPECIAL PROVISIONS**

2
3 **INTRODUCTION**

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

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

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

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

20
21 **Region Special Provisions** are commonly applicable within the designated Region. Region
22 designations are as follows:

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

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

37
38 **Project Specific Special Provisions** normally appear only in the contract for which they were
39 developed.

40
41
42 **DIVISION 1 GENERAL REQUIREMENTS**

43
44 **DEFINITIONS AND TERMS**

45
46 **1-01.3 Definitions**

47 This Section is supplemented with the following:

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

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

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

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

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

13 14 **DESCRIPTION OF WORK**

15
16 (*****)

17 This contract provides for the reconstruction of 5.01 miles of a county road in Grant County,
18 WA, and includes rotomilling, roadway excavation, embankment compaction, crushed surfacing
19 base course, maintenance rock, drainage items, paint lines, permanent signing, seeding,
20 fertilizing, mulching and other work all in accordance with the attached Contract Plans, these
21 Contract Provisions and the Standard Specifications.

22 23 **BID PROCEDURES AND CONDITIONS**

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

26 Delete this Section and replace it with the following:

27 28 1-02.1 Qualifications of Bidder

29
30 (*****)

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

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

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

1 **Public Opening Of Proposal**

2 Section 1-02.12 is supplemented with the following:

3
4 (*****)

5 *Date Of Opening Bids*

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

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

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

13
14 **1-02.13 Irregular Proposals**

15 (March 25, 2009 APWA GSP)

16
17 Revise item 1 to read:

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

37
38
39 **1-02.14 Disqualification of Bidders**

40 (March 25, 2009 APWA GSP, Option B)

41
42 Delete this Section and replace it with the following:

43
44 A Bidder will be deemed not responsible if:

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

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) 7543451
- 35 • Century Tel, P.O. Box 550, Connel, WA 99326
36 (509) 235-3151.
- 37 • Quincy-Columbia Irrigation District, 1720 S. Central Ave.,
38 Quincy, WA 98848, (509) 787-3591
- 39 • United States Bureau of Reclamation, 32 C Street NW
40 Ephrata, WA 98823, (509) 754-0200
41

42 (*****)

43 ***Vibratory Rollers over USBR Crossings***

44 Vibratory rollers shall not be used within 50 feet on each side of each USBR
45 crossing as staked in the field and as shown in the plans.
46
47

48 **Public Convenience and Safety**

49
50 ***Construction Under Traffic***

51 Section 1-07.23(1) is supplemented with the following:
52

53 (April 2, 2007)

1 **Work Zone Clear Zone**

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

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

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

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

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

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

29
30 Minimum Work Zone Clear Zone Distance

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

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

39
40
41 **PROSECUTION AND PROGRESS**

42
43 **Subcontracting**

44 Section 1-08.1 is supplemented with the following:

45
46 (October 12, 1998)

47 Prior to any subcontractor or agent beginning work, the Contractor shall submit to the
48 Engineer a certification (WSDOT Form 420-004) that a written agreement between the
49 Contractor and the subcontractor or between the subcontractor and any lower tier
50 subcontractor has been executed. This certification shall also guarantee that these
51 subcontract agreements include all the documents required by the Special Provision
52 Federal Agency Inspection.
53

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

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

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

17 **Prosecution Of Work**

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

20 (*****)

21 The Contractor shall begin work on June 6, 2011, unless otherwise approved by
22 the Engineer.
23
24

25 **Time For Completion**

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

28 (*****)

29 Contract time shall begin on the first working day. The first working day shall be
30 June 6, 2011, unless otherwise approved by the Engineer.
31
32

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

35 (*****)

36 This project shall be physically completed within **55** working days.
37

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

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

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

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

1
2 **MEASUREMENT AND PAYMENT**

3
4 (March 13, 1995)

5 **Payments**

6 Section 1-09.9 is supplemented with the following:

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

- 12
13 1. Roadway Excavation incl. Haul
14 2. Embankment Compaction
15

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

21
22 The unit contract price for these items shall be full pay to construct and complete this
23 portion of the work.
24

25
26 **TEMPORARY TRAFFIC CONTROL**

27
28 **Traffic Control Management**

29
30 **General**

31
32 (December 1, 2008)

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

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

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

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

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

1 **Traffic Control Plans**

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

4
5 (*****)

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

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

15
16 The Contractor will not be permitted to close Road 11-SW within the project limits. One
17 way traffic must be kept open during working hours and two-way traffic restored at the
18 end of each working day. Access to County road intersections, local farms and
19 residences shall be kept open at all times.

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

22
23 **Traffic Control Devices**

24
25 **Construction Signs**

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

27
28 (*****)

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

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

40
41 **Wood Sign Posts**

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

43
44 **One Post Installation**

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

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

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

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

Barricades

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

(*****)

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

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

Measurement

(*****)

Section 1-10.4 is supplemented with the following:

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

Payment

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

(*****)

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

DIVISION 2 EARTHWORK

CLEARING, GRUBBING, AND ROADSIDE CLEANUP

Description

Section 2-01.1 is supplemented with the following:

(March 13, 1995)

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

Road 11-SW - Sta. 10+40 to 275+13

REMOVAL OF STRUCTURES AND OBSTRUCTIONS

Construction Requirements

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

5
6 (*****)

7 **Rotomilling Bituminous Pavement**

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

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

19
20 The Approximate depth of Existing BST Surface is 3 inches.

21
22 **Payment**

23 Section 2-02.5 is supplemented with the following:

24
25 "Rotomilling Bituminous Pavement", per square yard.

26
27 **ROADWAY EXCAVATION AND EMBANKMENT**

28
29 **Construction Requirements**

30
31 **Disposal Of Surplus Material**

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

33
34 (*****)

35 A waste site has not been provided by the County for the disposal of excess material
36 and debris.

37
38
39 **DIVISION 3 PRODUCTION FROM QUARRY AND PIT SITES AND STOCKPILING**

40
41 **PRODUCTION FROM QUARRY AND PIT SITES**

42
43 **State Furnished Material Sources**

44 Section 3-01.3 is supplemented with the following:

45
46 (*****)

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

49
50 Stockpile Site *** #553 *** source for ***crushed surfacing base course, maintenance
51 rock, Gravel Backfill for Pipe Zone Bedding & Quarry Spalls *** is located in Section 29,
52 Township 17 North, Range 26 East W.M., as shown in the Plans.
53

1
2 **STOCKPILING AGGREGATES**

3
4 **General Requirements**

5
6 ***Removing Aggregates From Stockpiles***

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

8
9 (*****)

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

13
14

<u>Location</u>	<u>Material</u>	<u>Price</u>
15 Index #553, QS-GT-206	Crushed Surfacing Base Course	\$2.30/Ton
16 E-SW Quarry Pit	Maintenance Rock	\$3.00/Ton
17 Sec. 29, T17N, R26 E WM	Gravel Backfill for Pipe Zone Bedding	\$4.95/C.Y.
18	Quarry Spalls	No Charge

19
20

21 The Contractor may obtain material from other sources provided they are approved by
22 the Engineer and provided the Contractor makes all arrangements and pays all
23 expenses required for the acquisition of the materials.

24
25 **Payment**

26 Section 3-02.5 is supplemented with the following:

27
28 (*****)

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

33
34 If the Contractor chooses to use the materials existing in stockpile, the County shall
35 deduct the costs of such aggregates from monthly progress estimates in accordance
36 with the rates specified above and based on the quantity of materials allowed by the
37 Engineer on the monthly progress payments and final estimate.

38
39 **SITE RECLAMATION**

40
41 **Contracting-Agency Provided Sites**

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

43
44 (March 13, 1995)

45 Site reclamation shall be performed by the Contracting Agency on all sites furnished by
46 the Contracting Agency.

47
48
49 **DIVISION 4 BASES**

50
51 **BALLAST AND CRUSHED SURFACING**

52
53 **Construction Requirements**

1
2 **Equipment**

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

4
5 (*****)

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

11
12 **Placing and Spreading**

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

14
15 (*****)

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

19
20 The Contractor will place the material in such a way as to minimize the impact of
21 the hauling vehicles. Hauling over any of the surfacing materials prior to
22 processing shall not be permitted.

23
24 **Miscellaneous Requirement**

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

27
28 (*****)

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

33
34
35 **DIVISION 5 SURFACE TREATMENTS AND PAVEMENTS**

36
37 **HOT MIX ASPHALT**

38
39 **Materials**

40 Section 5-04.2 is supplemented with the following:

41
42 (*****)

43 The Contractor shall supply the Engineer a report stating the percentage of RAP utilized
44 each day in the production of HMA.

45
46 **Construction Requirements**

47
48 **5-04.3(7)A Mix Design**

49 Delete this section and replace it with the following;

50
51 (*****)

52 **General.** Prior to the production of HMA, the Contractor shall determine a design
53 aggregate structure and asphalt binder content in accordance with WSDOT Standard
54 Operating Procedure 732. Once the design aggregate structure and asphalt binder

1 content have been determined, the Contractor shall submit the HMA mix design on DOT
2 form 350-042 demonstrating the design meets the requirements of Sections 9-03.8(2)
3 and 9-03.8(6). HMA accepted by nonstatistical evaluation requires a mix design
4 verification. For HMA accepted by commercial evaluation only the first page of DOT
5 form 350-042 and the percent of asphalt binder is required. In no case shall the paving
6 begin before the determination of anti-strip requirements has been made. Anti-strip
7 requirements will be determined by:

- 9 a. Testing by WSDOT in accordance with TM 718.
- 10 b. Testing by Contractor in accordance with WSDOT TM 718.
- 11 c. Historical aggregate source ant-strip use provided by WDOT.

12
13 The mix design will be the initial Job Mix Formula (JMF) for the HMA being produced.
14 Any additional adjustments to the JMF will require the approval of the Project Engineer
15 and may be made per Section 9-03.8(7).

16
17 **Mix Design Verification.** Verification shall be accomplished by one of the following
18 processes:

- 19
20 a. Submit samples to WSDOT State Materials Lab for WSDOT verification testing in
21 accordance with WSDOT Standard Specifications.
- 22 b. Reference a mix design that has been previously verified by WSDOT State
23 Materials Lab on a previous project.

24
25 Mix design verification is valid for one year from the date of verification. At the discretion
26 of the Engineer, agencies may accept mix designs verified beyond the verification year
27 with certification from the Contractor that the materials and sources are the same as
28 those shown on the original mix design.

29
30 Prior to the first day of paving, six Ignition Furnace Calibration Samples shall be
31 obtained to calibrate the Ignition Furnaces used for acceptance testing of the HMA.
32 Calibration samples shall be provided by the Contractor when directed by the Engineer.
33 Calibration samples shall be prepared in accordance with WSDOT SOP 728.

34
35 **5-04.3(8)A1, General**

36 Delete these sections and replace them with the following:

37
38 (*****)

39 Acceptance of HMA shall be as defined under nonstatistical or commercial evaluation.

40
41 Nonstatistical evaluation will be used for all HMA not designated as Commercial HMA in
42 the contract documents.

43
44 Commercial evaluation will be used for Commercial HMA and for other classes of HMA
45 as allowed by the contract. Commercial HMA may be used for amounts of HMA less
46 than 2,500 tons in any application. Nonstructural applications of HMA accepted by
47 commercial evaluation shall be as approved by the Project Engineer. Sampling and
48 testing of HMA accepted by commercial evaluation will be at the option of the Project
49 Engineer. Commercial HMA can be accepted by a contractor certification letter stating
50 the material meets the HMA requirements defined in the contract. Where HMA
51 Commercial is used for the traveled way, a minimum of one acceptance test to verify
52 gradation, fracture, sand equivalent, and oil content is required.

53
54 5-04.3(8)A4, Definition of Sampling Lot and Sublot

1 First paragraph is deleted and replace it with the following:

2
3 (*****)

4 For the purpose of acceptance sampling and testing, a lot is defined as the total quantity
5 of material or work produced for each job mix formula (JMF) placed. Only one lot per
6 mix design will be expected to occur. The initial JMF is defined in Section 5-04.3(7)A
7 Mix Design. The Contractor may request a change in the JMF in accordance with
8 Section 9-03.8(7). If the request is approved, all of the material produced up to the time
9 of the change will be evaluated on the basis of tests on samples taken from that material
10 and a new lot will begin.

11
12 **5-04.3(8)A5, Test Results**

13 Delete this section and replace it with the following:

14
15 (*****)

16 The Engineer will furnish the Contractor with a copy of the results of all acceptance
17 testing performed in the field at the beginning of the next paving shift. The Engineer will
18 also provide the Composite Pay Factor (CPF) of the completed sublots after three
19 sublots have been produced. The CPF will be provided by the midpoint of the next
20 paving shift after sampling. Sublot sample test results (gradation and asphalt binder
21 content) may be challenged by the Contractor. To challenge test results, the Contractor
22 shall submit a written challenge within 7-calendar days after receipt of the specific test
23 results. A split of the original acceptance sample will be sent for testing to either the
24 Region Materials Laboratory or the State Materials Laboratory as determined by the
25 Project Engineer. The split of the sample with challenged results will not be tested with
26 the same equipment or by the same tester that ran the original acceptance test. The
27 challenge sample will be tested for a complete gradation analysis and for asphalt binder
28 content. The results of the challenge sample will be compared to the original results of
29 the acceptance sample test and evaluated according to the following criteria:

30
31 Deviation

32 U.S. No. 4 sieve and larger Percent passing ± 4.0

33 U.S. No. 8 sieve Percent passing ± 2.0

34 U.S. No. 200 sieve Percent passing ± 0.4

35 Asphalt binder Percent binder content ± 0.3

36
37 If the results of the challenge sample testing are within the allowable deviation
38 established above for each parameter, the acceptance sample test results will be used
39 for acceptance of the HMA. The cost of testing will be deducted from any monies due or
40 that may come due the Contractor under the Contract at the rate of \$250 per challenge
41 sample. If the results of the challenge sample testing are outside of any one parameter
42 established above, the challenge sample will be used for acceptance of the HMA and
43 the cost of testing will be the Contracting Agency's responsibility.

44
45 **5-04.3(8)A7, Test Section – HMA Mixtures**

46 (March 10, 2010 APWA GSP)

47
48 Delete this section

49
50 ***Longitudinal Joints***

51 Section 5-04.3(12)B is supplemented with the following:

52
53 (*****)

54 **HMA Paving Step Wedge Requirement**

1 The length of any HMA longitudinal paving joint shall be limited to one day's
2 operation behind the paver.

3
4 The Contractor shall construct a step wedge joint along all longitudinal joints.
5 The step wedge shall be constructed by providing a 0.08-foot vertical edge, then
6 down on a 4:1 slope.
7

8
9 **5-04.5(1)A Price Adjustments for Quality of HMA Mixture**
10 (March 10, 2010 APWA GSP)

11 Delete the first paragraph and table and replaced them with the following:

12
13
14 Statistical analysis of quality of gradation and asphalt content will be performed based
15 on Section 1-06.2 using the following price adjustment factors:

16
17 **Table of Price Adjustment Factors**

18 Constituent	19 Factor "f"
20 All aggregate passing: 1 1/2", 1", 3/4", 21 1/2", 3/8" and No. 4 sieves	2
22 All aggregate passing No. 8	15
23 All aggregate passing No. 200 sieve	20
24 Asphalt binder	52

25 Delete items 1-3 in Paragraph two and replaced with the following:

26
27 A pay factor will be calculated for sieves listed in Section 9-03.8(7) for the class of HMA
28 and for the asphalt binder.

- 29
30 1. **Nonstatistical Evaluation.** Each lot of HMA produced under
31 Nonstatistical Evaluation and having all constituents falling within the
32 tolerance limits of the job mix formula shall be accepted at the unit
33 contract price with no further evaluation. When one or more constituents
34 fall outside the nonstatistical acceptance tolerance limits in Section 9-
35 03.8(7), the lot shall be evaluated in accordance with Section 1-06.2 to
36 determine the appropriate CPF. The nonstatistical tolerance limits will be
37 used in the calculation of the CPF and the maximum CPF shall be 1.00.
38 When less than three sublots exist, backup samples of the existing
39 sublots or samples from the street shall be tested to provide a minimum
40 of three sets of results for evaluation.
41
- 42 2. **Commercial Evaluation.** If sampled and tested, HMA produced under
43 Commercial Evaluation and having all constituents falling within the
44 tolerance limits of the job mix formula shall be accepted at the unit
45 contract price with no further evaluation. When one or more constituents
46 fall outside the commercial acceptance tolerance limits in Section 9-
47 03.8(7), the lot shall be evaluated to determine the appropriate CPF. The
48 commercial tolerance limits will be used in the calculation of the CPF and
49 the maximum CPF shall be 1.00. When less than three sublots exist,
50 backup samples of the existing sublots or samples from the street shall
51 be tested to provide a minimum of three sets of results for evaluation.
52

53 For each lot of HMA produced under Nonstatistical or Commercial Evaluation when the
54 calculated CPF is less than 1.00, a Nonconforming Mix factor (NCMF) will be

1 determined. The NCMF equals the algebraic difference of CPF minus 1.00 multiplied by
2 60 percent. The Job Mix Compliance Price Adjustment will be calculated as the product
3 of the NCMF, the quantity of HMA in the lot in tons, and the unit contract price per ton of
4 the mix.

5
6 If a constituent is not measured in accordance with these Specifications, its individual
7 pay factor will be considered 1.00 in calculating the composite pay factor.

8
9 **5-04.5(1)B Price Adjustments for Quality of HMA Compaction**
10 (March 10, 2010 APWA GSP)

11
12 Delete this section and replace it with the following:

13
14 The maximum CPF of a compaction lot is 1.00

15
16 For each compaction lot of HMA when the CPF is less than 1.00, a Nonconforming
17 Compaction Factor (NCCF) will be determined. THE NCCF equals the algebraic
18 difference of CPF minus 1.00 multiplied by 40 percent. The Compaction Price
19 Adjustment will be calculated as the product of the NCCF, the quantity of HMA in the lot
20 in tons and the unit contract price per ton of the mix.

21
22
23 **DIVISION 8 MISCELLANEOUS CONSTRUCTION**

24
25 **EROSION CONTROL AND WATER POLLUTION CONTROL**

26
27 **Construction Requirements**

28
29 ***Mulching***

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

31
32 (*****)

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

37
38 **GUIDE POSTS**

39
40 **Materials**

41 Section 8-10.2 is supplemented with the following:

42
43 (*****)

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

46
47 Guide posts shall be brown in color.

48
49
50 **MONUMENT**

51
52 **Construction Requirements**

1 (*****)
2 Section 8-13.3 is supplemented with the following:

3
4 All work shall be performed by a licensed surveyor.

5
6 The Contractor shall provide the Engineer GPS coordinates on all monuments set or
7 reset.

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

14
15 The Contractor shall leave all existing monuments in place unless the road profile
16 requires removal. When the new road profile requires the existing monument to be reset
17 the Contractor shall reuse and reset existing monument and record a new elevation on
18 the brass disc or provide a supplementary brass inset with new elevation stamped on
19 the monument. The Contractor shall give the Engineer a certified report from the
20 Surveyor regarding the final disposition and condition of all monuments discovered
21 within the project limits.

22 **Payment**

23
24 (*****)
25 The unit contract price bid per each for "Monuments" shall be full compensation for
26 performing the work outlined herein and in accordance with the plans and specifications.
27
28

29 **PERMANENT SIGNING**

30 **Construction Requirements**

31 (*****)
32 Section 8-21.3 is supplemented with the following:
33

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

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

39 All sign post lengths shall be determined by the Contractor and approved by the
40 Engineer prior to installation.

41 The Permanent Signing Appendix lists the signs that shall be furnished and installed by
42 the Contractor.

43 **PAVEMENT MARKING**

44 **Materials**

45 (*****)
46
47
48

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

2
3 Materials for pavement marking shall be acetone-based paint and conform to WSDOT
4 paint formulas HWVY2 for yellow lines and HWVW1 for white lines. Water-based paints
5 will not be acceptable.
6

7 **Construction Requirements**

8 ***Preliminary Spotting***

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

10
11
12 (*****)

13 The Contractor shall use established control points to assist in the preliminary
14 spotting of the lines to be marked. Where control points are unavailable the
15 Contractor shall establish such control as necessary to provide accurate
16 preliminary spotting for pavement marking. The Engineer shall provide control
17 points for no-pass zones.
18

19 ***Marking Application***

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

21
22 (*****)

23 This contract contains new striping work and will require two applications of paint
24 on a thoroughly swept pavement surface. 10 mils on the first pass and 15 mils
25 on the second pass in the opposite direction. Glass beads for retro-reflective
26 applications shall be applied at the rate of 7 pounds per gallon of paint.
27

28 The Contractor shall use a three gun paint spray system for all striping on this
29 contract.
30

31 32 **DIVISION 9 MATERIALS**

33 34 **AGGREGATES**

35 36 ***HMA Test Requirements***

37 Section 9-03.8(2) is supplemented with the following:

38
39 (*****)

40 The number of ESAL's for the design and acceptance of the HMA shall be 0.3 to 3
41 million.
42

43 ***HMA Tolerances and Adjustments***

44 Section 9-03.8(7) Item 1 is deleted and replaced with:

45
46 (*****)

- 47 1. **Job Mix Formula Tolerances.** After the JMF is determined as required in 5-
48 04.3(7)A, the constituents of the mixture at the time of acceptance shall conform to
49 the following tolerances:
50

	Nonstatistical Evaluation	Commercial Evaluation
51 Aggregate, percent passing		
52 1", 3/4", 1/2", and 3/8" sieves	+/- 6%	+/- 8%

1	U.S. No. 4 sieve	+/- 6%	+/- 8%
2	U.S. No. 8 sieve	+/- 6%	+/- 8%
3	U.S. No. 200 sieve	+/- 2.0%	+/- 3.0%
4	Asphalt Binder	+/- 0.5%	+/- 0.7%

6 These tolerance limits constitute the allowable limits as described in Section 1-06.2.
7 The tolerance limit for aggregate shall not exceed the limits of the control points
8 section, except the tolerance limits for sieves designated as 100% passing will be
9 99-100. The tolerance limits on sieves shall only apply to sieves with control points.

12 **Aggregates for Ballast and Crushed Surfacing**

14 **Crushed Surfacing & Maintenance Rock**

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

17 (*****)

18	Sieve Size	Base Course Percent Passing	Maintenance Rock Percent Passing
19	1 – 1/4" square	100	
20	5/8" square	50 – 80	
21	1/2" square	-	100
22	1/4" square	30 – 50	55 – 70
23	US No. 40	5 – 18	10 – 25
24	US No. 200	3 – 7.5	3 – 7
25			
26			
27	Fracture	75% min.	75% min.
28	Sand Equivalent	35% min.	40% min.

30 **EROSION CONTROL AND ROADSIDE PLANTING**

32 **Seed**

33 Section 9-14.2 is supplemented with the following:

35 (*****)

36 The following irrigated pasture mix is approved for use on this project. The Contractor
37 shall use the approved irrigated pasture mix for application on this project.

39	Kind and variety of Seed in mixture	% By Weight	Minimum % Pure Seed	Minimum % Germination
42	Irrigated Pasture Mix Containing***:			
43	Orchard Grass	30	28.5	85
44	Tetraploid Perennial Ryegrass	30	28.0	85
45	Timothy Grass	20	19.0	85
46	Ginger Kentucky Bluegrass	20	19.0	85
47	Weed Seed		2.0 (max)	
48	Inert and other crop		<u>3.5 (max)</u>	
49	Total		100.0	

51
52 ***Irrigated pasture mix shall be applied at the rate of thirty-five (35) pounds per acre on
53 all areas requiring irrigated pasture mix seeding within the project limits.
54

1
2 **Fertilizer**

3 Section 9-14.3 is supplemented with the following:
4

5 (*****)

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

8

9 Total Nitrogen as N -	135 pounds per acre
10 Available Phosphoric Acid as P ₂ O ₅ -	80 pounds per acre
11 Soluable Potash as K ₂ O -	80 pounds per acre

12
13
14

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

18 The fertilizer formulation and application rate shall be approved by the Engineer before
19 use.
20
21
22
23
24

25 **STANDARD PLANS**

26 *August 2, 2010*

27
28 The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-01
29 transmitted under Publications Transmittal No. PT 08-001, effective August 2, 2010 is made a
30 part of this contract.
31
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Informational Only - NOT FOR BIDDING

PROPOSAL

To: Board of County Commissioners
Grant County, Washington

Date: _____, 2011

This certifies that the undersigned has examined the location of **11-SW Road, CRP 10-10, 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.

11-SW Road

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

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

PREPARATION

1	100% Lump Sum	Mobilization	At ////////.//// Per Lump Sum	.
---	------------------	--------------	-------------------------------------	---

2	100% Lump Sum	Notification	At ////////.//// Per Lump Sum	.
---	------------------	--------------	-------------------------------------	---

3	100% Lump Sum	Clearing and Grubbing	At ////////.//// Per Lump Sum	.
---	------------------	-----------------------	-------------------------------------	---

GRADING

4	76,695 S.Y.	Rotomilling Bituminous Pavement	At . . Per Square Yard	.
---	----------------	---------------------------------	------------------------------	---

5	13,926 C.Y.	Roadway Excavation including Haul	At . . Per Cubic Yard	.
---	----------------	-----------------------------------	-----------------------------	---

6	8,751 Cu. Yd.	Embankment Compaction	At . . Per Cubic Yard	.
---	------------------	-----------------------	-----------------------------	---

Item No.	Plan Quantity	Item Description	Price per Unit* Dollars . Cents	Total Amount Dollars . Cents
DRAINAGE				
7	115 L.F.	Plain Steel Culvert Pipe 0.064" Th. – 12" Diameter	At . Per Linear Foot	.
8	351 L.F.	Plain Steel Culvert Pipe 0.064" Th. – 18" Diameter	At . Per Linear Foot	.
9	40 L.F.	Plain Steel Culvert Pipe 0.064" Th. – 24" Diameter	At . Per Linear Foot	.
10	25 L.F.	Plain Steel Culvert Pipe 0.064" Th. – 36" Diameter	At . Per Linear Foot	.
11	200 C.Y.	Quarry Spalls for Roadside Ditch Protection from Stockpile #553	At . Per Cubic Yard	.
SURFACING				
12	37,816 Ton	Crushed Surfacing Base Course from Stockpile #553	At . Per Ton	.
13	24,580 Ton	Maintenance Rock from Stockpile #553	At . Per Ton	.
HOT MIX ASPHALT				
14	1,445 Ton	HMA Class ½" incl. PG64-28 Paving Asphalt	At . Per Ton	.
15	Calculated	Job Mix Compliance Price Adjustment	At ////////.//// Calculated	-\$1.00
16	Calculated	Compaction Price Adjustment	At ////////.//// Calculated	-\$1.00
TRAFFIC				
17	13,650 L.F.	Painted Skip Centerline	At . Per Linear Foot	.

Item No.	Plan Quantity	Item Description	Price per Unit* Dollars . Cents	Total Amount Dollars . Cents
18	8,445 L.F.	Painted Skip Centerline with No Pass	At . Per Linear Foot	.
19	4,472 L.F.	Painted Double Yellow Center Line	At . Per Linear Foot	.
20	52,900 L.F.	Painted Edge Line - White	At . Per Linear Foot	.
21	100% Lump Sum	Permanent Signing	At ////////.//// Per Lump Sum	.
22	20 Each	Flexible Guide Post	At . Per Each	.
OTHER ITEMS				
23	85 Cu. Yd.	Structure Excavation Class "B" including Haul	At . Per Cubic Yard	.
24	150 Cu. Yd.	Gravel Backfill for Pipe Zone Bedding	At . Per Cubic Yard	.
25	8 Each	Monument	At . Per Each	.
26	100% Lump Sum	Trimming and Cleanup	At ////////.//// Per Lump Sum	.
27	10.0 Acre	Seeding, Fertilizing and Mulching with Irrigated Pasture Mix	At . Per Acre	.

Item No.	Plan Quantity	Item Description	Price per Unit* Dollars . Cents	Total Amount Dollars . Cents
28	Calculated	Minor Changes	At ////////.//// Calculated	-\$1.00

Contract Total	.
-----------------------	---

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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: **11-SW Road, CRP 10-10**

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 5.01 miles of a county road in Grant County, WA, and includes rotomilling, roadway excavation, embankment compaction, crushed surfacing base course, maintenance rock, drainage items, 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 **11-SW Road, CRP 10-10**, located in Grant County, Washington, according to the
terms of the proposal or bid made by the Principal therefor, and the Principal shall duly make
and enter into a contract with the Obligee in accordance with the terms of said proposal or bid
and award and shall give bond for the faithful performance thereof, with the Surety or Sureties
approved by the Obligee; or if the principal shall, in case of failure so to do, pay and forfeit to
the Obligee the penal amount of the deposit specified in the call for bids, then this obligation
shall be null and void; otherwise it shall be and remain in full force and effect and the Surety
shall forthwith pay and forfeit to the Obligee, as penalty and liquidated damages, the amount
of this bond.

SIGNED, SEALED AND DATED THIS ____ DAY OF _____, 2011

Principal _____

Surety _____

Attorney-in-Fact _____

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CONTRACT

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

WITNESSETH:

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

DESCRIPTION OF WORK:

1. The Contractor shall do all work and furnish all tools, materials, and equipment necessary to improve and complete **11-SW Road, CRP 10-10**, located in Grant County, Washington, as proposed in a bid opened **1:30 P.M., Tuesday, May 10, 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 **May 10, 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 **11-SW Road, CRP 10-10**, 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: 4/20/2011

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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OVERTIME CODES

OVERTIME CALCULATIONS ARE BASED ON THE HOURLY RATE ACTUALLY PAID TO THE WORKER. ON PUBLIC WORKS PROJECTS, THE HOURLY RATE MUST BE NOT LESS THAN THE PREVAILING RATE OF WAGE MINUS THE HOURLY RATE OF THE COST OF FRINGE BENEFITS ACTUALLY PROVIDED FOR THE WORKER.

1. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
 - B. ALL HOURS WORKED ON SATURDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
 - C. THE FIRST TWO (2) HOURS AFTER EIGHT (8) REGULAR HOURS MONDAY THROUGH FRIDAY AND THE FIRST TEN (10) HOURS ON SATURDAY SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL OTHER OVERTIME HOURS AND ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
 - D. THE FIRST TWO (2) HOURS BEFORE OR AFTER A FIVE - EIGHT (8) HOUR WORKWEEK DAY OR A FOUR - TEN (10) HOUR WORKWEEK DAY AND THE FIRST EIGHT (8) HOURS WORKED THE NEXT DAY AFTER EITHER WORKWEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL ADDITIONAL HOURS WORKED AND ALL WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
 - E. THE FIRST TWO (2) HOURS AFTER EIGHT (8) REGULAR HOURS MONDAY THROUGH FRIDAY AND THE FIRST EIGHT (8) HOURS ON SATURDAY SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL OTHER HOURS WORKED MONDAY THROUGH SATURDAY, AND ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
 - F. THE FIRST TWO (2) HOURS AFTER EIGHT (8) REGULAR HOURS MONDAY THROUGH FRIDAY AND THE FIRST TEN (10) HOURS ON SATURDAY SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL OTHER OVERTIME HOURS WORKED, EXCEPT LABOR DAY, SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON LABOR DAY SHALL BE PAID AT THREE TIMES THE HOURLY RATE OF WAGE.
 - G. THE FIRST TEN (10) HOURS WORKED ON SATURDAYS AND THE FIRST TEN (10) HOURS WORKED ON A FIFTH CALENDAR WEEKDAY IN A FOUR - TEN HOUR SCHEDULE, SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED IN EXCESS OF TEN (10) HOURS PER DAY MONDAY THROUGH SATURDAY AND ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
 - H. ALL HOURS WORKED ON SATURDAYS (EXCEPT MAKEUP DAYS IF WORK IS LOST DUE TO INCLEMENT WEATHER CONDITIONS OR EQUIPMENT BREAKDOWN) SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED MONDAY THROUGH SATURDAY OVER TWELVE (12) HOURS AND ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
 - I. ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL ALSO BE PAID AT ONE AND DOUBLE THE HOURLY RATE OF WAGE.
 - J. THE FIRST TWO (2) HOURS AFTER EIGHT (8) REGULAR HOURS MONDAY THROUGH FRIDAY AND THE FIRST TEN (10) HOURS ON SATURDAY SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED OVER TEN (10) HOURS MONDAY THROUGH SATURDAY, SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
 - K. ALL HOURS WORKED ON SATURDAYS AND SUNDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
 - L. ALL HOURS WORKED IN EXCESS OF TEN (10) HOURS PER DAY MONDAY THROUGH SATURDAY AND ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
 - M. ALL HOURS WORKED ON SATURDAYS (EXCEPT MAKEUP DAYS IF WORK IS LOST DUE TO INCLEMENT WEATHER CONDITIONS) SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
 - N. ALL HOURS WORKED ON SATURDAYS (EXCEPT MAKEUP DAYS) SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.

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- O. THE FIRST TEN (10) HOURS WORKED ON SATURDAY SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON SUNDAYS, HOLIDAYS AND AFTER TWELVE (12) HOURS, MONDAY THROUGH FRIDAY, AND AFTER TEN (10) HOURS ON SATURDAY SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
- P. ALL HOURS WORKED ON SATURDAYS (EXCEPT MAKEUP DAYS IF CIRCUMSTANCES WARRANT) AND SUNDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
- 1. Q. THE FIRST TWO (2) HOURS AFTER EIGHT (8) REGULAR HOURS MONDAY THROUGH FRIDAY AND UP TO TEN (10) HOURS WORKED ON SATURDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED IN EXCESS OF TEN (10) HOURS PER DAY MONDAY THROUGH SATURDAY AND ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS (EXCEPT CHRISTMAS DAY) SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON CHRISTMAS DAY SHALL BE PAID AT TWO AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- R. ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT TWO TIMES THE HOURLY RATE OF WAGE.
- S. THE FIRST TWO (2) HOURS AFTER EIGHT (8) REGULAR HOURS MONDAY THROUGH FRIDAY AND THE FIRST EIGHT (8) HOURS ON SATURDAY SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON HOLIDAYS AND ALL OTHER OVERTIME HOURS WORKED, EXCEPT LABOR DAY, SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON LABOR DAY SHALL BE PAID AT THREE TIMES THE HOURLY RATE OF WAGE.
- T. WORK PERFORMED IN EXCESS OF EIGHT (8) HOURS OF STRAIGHT TIME PER DAY, OR TEN (10) HOURS OF STRAIGHT TIME PER DAY WHEN FOUR TEN (10) HOUR SHIFTS ARE ESTABLISHED, OR FORTY (40) HOURS OF STRAIGHT TIME PER WEEK, MONDAY THROUGH FRIDAY, OR OUTSIDE THE NORMAL SHIFT, AND ALL WORK ON SATURDAYS SHALL BE PAID AT TIME AND ONE-HALF THE STRAIGHT TIME RATE. HOURS WORKED OVER TWELVE HOURS (12) IN A SINGLE SHIFT AND ALL WORK PERFORMED AFTER 6:00 PM SATURDAY TO 6:00 AM MONDAY AND HOLIDAYS SHALL BE PAID AT DOUBLE THE STRAIGHT TIME RATE OF PAY. THE EMPLOYER SHALL HAVE THE SOLE DISCRETION TO ASSIGN OVERTIME WORK TO EMPLOYEES. PRIMARY CONSIDERATION FOR OVERTIME WORK SHALL BE GIVEN TO EMPLOYEES REGULARLY ASSIGNED TO THE WORK TO BE PERFORMED ON OVERTIME SITUATIONS. AFTER AN EMPLOYEE HAS WORKED EIGHT (8) HOURS AT AN APPLICABLE OVERTIME RATE, ALL ADDITIONAL HOURS SHALL BE AT THE APPLICABLE OVERTIME RATE UNTIL SUCH TIME AS THE EMPLOYEE HAS HAD A BREAK OF EIGHT (8) HOURS OR MORE.
- U. ALL HOURS WORKED ON SATURDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS (EXCEPT LABOR DAY) SHALL BE PAID AT TWO TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON LABOR DAY SHALL BE PAID AT THREE TIMES THE HOURLY RATE OF WAGE.
- V. ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS (EXCEPT THANKSGIVING DAY AND CHRISTMAS DAY) SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON THANKSGIVING DAY AND CHRISTMAS DAY SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
- W. ALL HOURS WORKED ON SATURDAYS AND SUNDAYS (EXCEPT MAKE-UP DAYS DUE TO CONDITIONS BEYOND THE CONTROL OF THE EMPLOYER)) SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
- X. THE FIRST FOUR (4) HOURS AFTER EIGHT (8) REGULAR HOURS MONDAY THROUGH FRIDAY AND THE FIRST TWELVE (12) HOURS ON SATURDAY SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED OVER TWELVE (12) HOURS MONDAY THROUGH SATURDAY, SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE. WHEN HOLIDAY FALLS ON SATURDAY OR SUNDAY, THE DAY BEFORE SATURDAY, FRIDAY, AND THE DAY AFTER SUNDAY, MONDAY, SHALL BE CONSIDERED THE HOLIDAY AND ALL WORK PERFORMED SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
- Y. ALL HOURS WORKED OUTSIDE THE HOURS OF 5:00 AM AND 5:00 PM (OR SUCH OTHER HOURS AS MAY BE AGREED UPON BY ANY EMPLOYER AND THE EMPLOYEE) AND ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY (10 HOURS PER DAY FOR A 4 X 10 WORKWEEK) AND ON SATURDAYS AND HOLIDAYS (EXCEPT LABOR DAY) SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. (EXCEPT FOR EMPLOYEES WHO ARE ABSENT FROM WORK WITHOUT PRIOR APPROVAL ON A SCHEDULED WORKDAY DURING THE WORKWEEK SHALL BE PAID AT THE STRAIGHT-TIME RATE UNTIL THEY HAVE WORKED 8 HOURS IN A DAY (10 IN A 4 X 10 WORKWEEK) OR 40 HOURS DURING THAT WORKWEEK.) ALL HOURS WORKED MONDAY THROUGH SATURDAY OVER TWELVE (12) HOURS AND ALL HOURS WORKED ON SUNDAYS AND LABOR DAY SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.

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1. Z ALL HOURS WORKED ON SATURDAYS AND SUNDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON HOLIDAYS SHALL BE PAID THE STRAIGHT TIME RATE OF PAY IN ADDITION TO HOLIDAY PAY.

2. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
 - B. ALL HOURS WORKED ON HOLIDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
 - C. ALL HOURS WORKED ON SUNDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON HOLIDAYS SHALL BE PAID AT TWO TIMES THE HOURLY RATE OF WAGE.
 - F. THE FIRST EIGHT (8) HOURS WORKED ON HOLIDAYS SHALL BE PAID AT THE STRAIGHT HOURLY RATE OF WAGE IN ADDITION TO THE HOLIDAY PAY. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS ON HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
 - G. ALL HOURS WORKED ON SUNDAY SHALL BE PAID AT TWO TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON PAID HOLIDAYS SHALL BE PAID AT TWO AND ONE-HALF TIMES THE HOURLY RATE OF WAGE INCLUDING HOLIDAY PAY.
 - H. ALL HOURS WORKED ON SUNDAY SHALL BE PAID AT TWO TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON HOLIDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
 - K. ALL HOURS WORKED ON HOLIDAYS SHALL BE PAID AT TWO TIMES THE HOURLY RATE OF WAGE IN ADDITION TO THE HOLIDAY PAY.
 - O. ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
 - P. THE FIRST EIGHT (8) HOURS ON SATURDAY SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS ON SATURDAY AND ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT TWO TIMES THE HOURLY RATE OF WAGE.

2. R. ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS AND ALL HOURS WORKED OVER SIXTY (60) IN ONE WEEK SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
 - S. ALL HOURS WORKED ON SATURDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE, EXCEPT THE DAY AFTER THANKSGIVING, THE DAY AFTER CHRISTMAS AND A FLOATING HOLIDAY, WHICH SHALL BE PAID AT THE STRAIGHT TIME RATE IF WORKED, IN ADDITION TO HOLIDAY PAY.
 - U. ALL HOURS WORKED ON SATURDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED OVER 12 HOURS IN A DAY, OR ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
 - W. THE FIRST TWO (2) HOURS AFTER EIGHT (8) REGULAR HOURS MONDAY THROUGH FRIDAY AND THE FIRST EIGHT (8) HOURS ON SATURDAY SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL OTHER HOURS WORKED MONDAY THROUGH SATURDAY, AND ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE. ON A FOUR-DAY, TEN-HOUR WEEKLY SCHEDULE, EITHER MONDAY THRU THURSDAY OR TUESDAY THRU FRIDAY SCHEDULE, ALL HOURS WORKED AFTER TEN SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE. THE FIRST EIGHT (8) HOURS WORKED ON THE FIFTH DAY SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL OTHER HOURS WORKED ON THE FIFTH, SIXTH, AND SEVENTH DAYS AND ON HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
 - Z. ALL HOURS WORKED MONDAY THROUGH FRIDAY BETWEEN THE HOURS OF 6:00 P.M. AND 6:00 A.M. AND ALL HOURS WORKED ON SATURDAYS SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE, **EXCEPT** FOR COMMERCIAL, OCCUPIED BUILDINGS WHERE FLOOR COVERING WORK CANNOT BE PERFORMED IN THE REGULAR DAYTIME HOURS DUE TO OCCUPANCY. FOR SUCH OCCUPIED, COMMERCIAL BUILDINGS; THE EMPLOYEE MAY AGREE TO WORK BETWEEN THE HOURS OF 6:00 PM TO 6:00 AM MONDAY THROUGH SATURDAY MORNING AT 6:00 AM AT AN OVERTIME PAY RATE OF 10% OVER THE STRAIGHT TIME RATE. ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.

4. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- A. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE. ALL HOURS WORKED ON SATURDAYS, SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.
- B. ALL HOURS WORKED ON SATURDAYS (EXCEPT MAKEUP DAYS IF WORK IS LOST DUE TO INCLEMENT WEATHER CONDITIONS) SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE. ALL HOURS WORKED MONDAY THROUGH SATURDAY OVER TWELVE (12) HOURS AND ALL HOURS WORKED ON SUNDAYS AND HOLIDAYS SHALL BE PAID AT DOUBLE THE HOURLY RATE OF WAGE.

HOLIDAY CODES

5. A. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (7).
- B. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, THE DAY BEFORE CHRISTMAS, AND CHRISTMAS DAY (8).
- C. HOLIDAYS: NEW YEAR'S DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8).
- D. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AND SATURDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8).
- H. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, THANKSGIVING DAY, THE DAY AFTER THANKSGIVING DAY, AND CHRISTMAS (6).
- I. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, AND CHRISTMAS DAY (6).
- J. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, CHRISTMAS EVE DAY, AND CHRISTMAS DAY (7).
- K. HOLIDAYS: NEW YEAR'S DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, THE DAY BEFORE CHRISTMAS, AND CHRISTMAS DAY (9).
- L. HOLIDAYS: NEW YEAR'S DAY, MARTIN LUTHER KING JR. DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8)
- N. HOLIDAYS: NEW YEAR'S DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS' DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (9).
- P. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AND SATURDAY AFTER THANKSGIVING DAY, THE DAY BEFORE CHRISTMAS, AND CHRISTMAS DAY (9). IF A HOLIDAY FALLS ON SUNDAY, THE FOLLOWING MONDAY SHALL BE CONSIDERED AS A HOLIDAY.
- R. PAID HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, DAY AFTER THANKSGIVING DAY, ONE-HALF DAY BEFORE CHRISTMAS DAY, AND CHRISTMAS DAY. (7 1/2).
5. S. PAID HOLIDAYS: NEW YEAR'S DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, AND CHRISTMAS DAY (7).
- T. PAID HOLIDAYS: NEW YEAR'S DAY, WASHINGTON'S BIRTHDAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, CHRISTMAS DAY, AND THE DAY BEFORE OR AFTER CHRISTMAS (9).
- V. PAID HOLIDAYS: SIX (6) PAID HOLIDAYS.

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- Z. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8).
6. A. PAID HOLIDAYS: NEW YEAR'S DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8).
- E. PAID HOLIDAYS: NEW YEAR'S DAY, DAY BEFORE OR AFTER NEW YEAR'S DAY, PRESIDENTS DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, DAY AFTER THANKSGIVING DAY, CHRISTMAS DAY, AND A HALF-DAY ON CHRISTMAS EVE DAY. (9 1/2).
- F. PAID HOLIDAYS: NEW YEAR'S DAY, MARTIN LUTHER KING JR. DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS' DAY, THANKSGIVING DAY, THE DAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (11).
- G. PAID HOLIDAYS: NEW YEAR'S DAY, MARTIN LUTHER KING JR. DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS' DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, CHRISTMAS DAY, AND CHRISTMAS EVE DAY (11).
- H. PAID HOLIDAYS: NEW YEAR'S DAY, NEW YEAR'S EVE DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, CHRISTMAS DAY, THE DAY AFTER CHRISTMAS, AND A FLOATING HOLIDAY (10).
- I. PAID HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (7).
6. Q. PAID HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERANS DAY, THANKSGIVING DAY, THE DAY AFTER THANKSGIVING DAY AND CHRISTMAS DAY (8). UNPAID HOLIDAY: PRESIDENTS' DAY.
- T. PAID HOLIDAYS: NEW YEAR'S DAY, PRESIDENTS' DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, THE LAST WORKING DAY BEFORE CHRISTMAS DAY, AND CHRISTMAS DAY (9).
- Z. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (7). IF A HOLIDAY FALLS ON SATURDAY, THE PRECEDING FRIDAY SHALL BE CONSIDERED AS THE HOLIDAY. IF A HOLIDAY FALLS ON SUNDAY, THE FOLLOWING MONDAY SHALL BE CONSIDERED AS THE HOLIDAY.
7. A. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AND SATURDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. IF ANY OF THE LISTED HOLIDAYS FALLS ON A SATURDAY, THE PRECEDING FRIDAY SHALL BE A REGULAR WORK DAY.
- B. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AND SATURDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.
- C. HOLIDAYS: NEW YEAR'S DAY, MARTIN LUTHER KING JR. DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.
- D. PAID HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, VETERAN'S DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8). UNPAID HOLIDAYS: PRESIDENT'S DAY. ANY PAID HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY PAID HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.
- E. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (7). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.

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

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- F. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, THE LAST WORKING DAY BEFORE CHRISTMAS DAY AND CHRISTMAS DAY (8). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.
- G. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, AND CHRISTMAS DAY (6). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY.
- H. HOLIDAYS: NEW YEAR'S DAY, MARTIN LUTHER KING JR. DAY, INDEPENDENCE DAY, MEMORIAL DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, THE LAST WORKING DAY BEFORE CHRISTMAS DAY AND CHRISTMAS DAY (9). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.
- I. HOLIDAYS: NEW YEAR'S DAY, PRESIDENT'S DAY, INDEPENDENCE DAY, MEMORIAL DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, THE DAY BEFORE CHRISTMAS DAY AND CHRISTMAS DAY (9). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.
- J. HOLIDAYS: NEW YEAR'S DAY, INDEPENDENCE DAY, MEMORIAL DAY, LABOR DAY, THANKSGIVING DAY AND CHRISTMAS DAY (6). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.
- K. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, THANKSGIVING DAY, THE FRIDAY AND SATURDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (8). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.
- L. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, LABOR DAY, INDEPENDENCE DAY, THANKSGIVING DAY, THE LAST WORK DAY BEFORE CHRISTMAS DAY, AND CHRISTMAS DAY (7). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.
- 7.
- M. PAID HOLIDAYS: NEW YEAR'S DAY, THE DAY AFTER OR BEFORE NEW YEAR'S DAY, PRESIDENT'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, CHRISTMAS DAY, AND THE DAY AFTER OR BEFORE CHRISTMAS DAY. 10). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.
- N. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (7). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. WHEN CHRISTMAS FALLS ON A SATURDAY, THE PRECEDING FRIDAY SHALL BE OBSERVED AS A HOLIDAY.
- O. PAID HOLIDAYS: NEW YEAR'S DAY, THE DAY AFTER OR BEFORE NEW YEAR'S DAY, PRESIDENT'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, CHRISTMAS DAY, THE DAY AFTER OR BEFORE CHRISTMAS DAY, AND THE EMPLOYEES BIRTHDAY. 11). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. ANY HOLIDAY WHICH FALLS ON A SATURDAY SHALL BE OBSERVED AS A HOLIDAY ON THE PRECEDING FRIDAY.
- P. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, FRIDAY AFTER THANKSGIVING DAY, AND CHRISTMAS DAY (7). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY.
- Q. HOLIDAYS: NEW YEAR'S DAY, MEMORIAL DAY, INDEPENDENCE DAY, LABOR DAY, THANKSGIVING DAY, THE FRIDAY AFTER THANKSGIVING DAY, THE LAST WORKING DAY BEFORE CHRISTMAS DAY AND CHRISTMAS DAY (8). ANY HOLIDAY WHICH FALLS ON A SUNDAY SHALL BE OBSERVED AS A HOLIDAY ON THE FOLLOWING MONDAY. IF ANY OF THE LISTED HOLIDAYS FALLS ON A SATURDAY, THE PRECEDING FRIDAY SHALL BE A REGULAR WORK DAY.

NOTE CODES

8. A. IN ADDITION TO THE HOURLY WAGE AND FRINGE BENEFITS, THE FOLLOWING DEPTH PREMIUMS APPLY TO DEPTHS OF FIFTY FEET OR MORE:
OVER 50' TO 100' - \$2.00 PER FOOT FOR EACH FOOT OVER 50 FEET
OVER 100' TO 150' - \$3.00 PER FOOT FOR EACH FOOT OVER 100 FEET
OVER 150' TO 220' - \$4.00 PER FOOT FOR EACH FOOT OVER 150 FEET
OVER 220' - \$5.00 PER FOOT FOR EACH FOOT OVER 220 FEET
- C. IN ADDITION TO THE HOURLY WAGE AND FRINGE BENEFITS, THE FOLLOWING DEPTH PREMIUMS APPLY TO DEPTHS OF FIFTY FEET OR MORE:
OVER 50' TO 100' - \$1.00 PER FOOT FOR EACH FOOT OVER 50 FEET
OVER 100' TO 150' - \$1.50 PER FOOT FOR EACH FOOT OVER 100 FEET
OVER 150' TO 200' - \$2.00 PER FOOT FOR EACH FOOT OVER 150 FEET
OVER 200' - DIVERS MAY NAME THEIR OWN PRICE
- D. WORKERS WORKING WITH SUPPLIED AIR ON HAZMAT PROJECTS RECEIVE AN ADDITIONAL \$1.00 PER HOUR.
- L. WORKERS ON HAZMAT PROJECTS RECEIVE ADDITIONAL HOURLY PREMIUMS AS FOLLOWS - LEVEL A: \$0.75, LEVEL B: \$0.50, AND LEVEL C: \$0.25.
- M. WORKERS ON HAZMAT PROJECTS RECEIVE ADDITIONAL HOURLY PREMIUMS AS FOLLOWS: LEVELS A & B: \$1.00, LEVELS C & D: \$0.50.
- N. WORKERS ON HAZMAT PROJECTS RECEIVE ADDITIONAL HOURLY PREMIUMS AS FOLLOWS - LEVEL A: \$1.00, LEVEL B: \$0.75, LEVEL C: \$0.50, AND LEVEL D: \$0.25
8. P. WORKERS ON HAZMAT PROJECTS RECEIVE ADDITIONAL HOURLY PREMIUMS AS FOLLOWS - CLASS A SUIT: \$2.00, CLASS B SUIT: \$1.50, CLASS C SUIT: \$1.00, AND CLASS D SUIT \$0.50.
- Q. THE HIGHEST PRESSURE REGISTERED ON THE GAUGE FOR AN ACCUMULATED TIME OF MORE THAN FIFTEEN (15) MINUTES DURING THE SHIFT SHALL BE USED IN DETERMINING THE SCALE PAID.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(See Benefit Code Key)

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

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

(See Benefit Code Key)

Classification Code	Prevailing Wage	Overtime Code	Holiday Code
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Counties Covered:

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

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

Counties Covered:

CLARK

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

Counties Covered:

COWLITZ

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

Counties Covered:

GRANT

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

Counties Covered:

KING

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

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

(See Benefit Code Key)

Classification Code	Prevailing Wage	Overtime Code	Holiday Code
Counties Covered: KITSAP			
FITTER	\$26.96	1	
LABORER	\$8.67	1	
MACHINE OPERATOR	\$13.83	1	
WELDER	\$13.83	1	
Counties Covered: KLICKITAT, SKAMANIA, WAHKIAKUM			
FITTER	\$16.99	1	
LABORER	\$10.44	1	
MACHINE OPERATOR	\$17.21	1	
PAINTER	\$17.03	1	
WELDER	\$16.99	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	\$8.67	1	
MACHINE OPERATOR	\$13.26	1	
PAINTER	\$10.27	1	
WELDER	\$10.80	1	

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

(See Benefit Code Key)

Classification Code	Prevailing Wage	Overtime Code	Holiday Code
Counties Covered: THURSTON			
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: WHATCOM			
FITTER/WELDER	\$13.81	1	
LABORER	\$9.00	1	
MACHINE OPERATOR	\$13.81	1	
Counties Covered: YAKIMA			
FITTER	\$12.00	1	
LABORER	\$10.31	1	
MACHINE OPERATOR	\$11.32	1	
PAINTER	\$12.00	1	
WELDER	\$11.32	1	

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

(See Benefit Code Key)

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

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

This project is subject to the state hourly minimum rates for wages and fringe benefits in the contract provisions, as provided by the state Department of Labor and Industries.

The following list of occupations, is comprised of those occupations that are not normally used in the construction of heavy and highway projects.

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

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

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

- Fabricated Precast Concrete Products
- Metal Fabrication (In Shop)

Definitions for the Scope of Work for prevailing wages may be found at the Washington State Department of Labor and Industries web site and in WAC Chapter 296-127.

**Washington State Department of Labor and Industries
Policy Statements
(Regarding Production and Delivery of Gravel, Concrete, Asphalt, etc.)**

WAC 296-127-018 Agency filings affecting this section

Coverage and exemptions of workers involved in the production and delivery of gravel, concrete, asphalt, or similar materials.

(1) The materials covered under this section include but are not limited to: Sand, gravel, crushed rock, concrete, asphalt, or other similar materials.

(2) All workers, regardless of by whom employed, are subject to the provisions of chapter 39.12 RCW when they perform any or all of the following functions:

(a) They deliver or discharge any of the above-listed materials to a public works project site:

(i) At one or more point(s) directly upon the location where the material will be incorporated into the project; or

(ii) At multiple points at the project; or

(iii) Adjacent to the location and coordinated with the incorporation of those materials.

(b) They wait at or near a public works project site to perform any tasks subject to this section of the rule.

(c) They remove any materials from a public works construction site pursuant to contract requirements or specifications (e.g., excavated materials, materials from demolished structures, clean-up materials, etc.).

(d) They work in a materials production facility (e.g., batch plant, borrow pit, rock quarry, etc.) which is established for a public works project for the specific, but not necessarily exclusive, purpose of supplying materials for the project.

(e) They deliver concrete to a public works site regardless of the method of incorporation.

(f) They assist or participate in the incorporation of any materials into the public works project.

(3) All travel time that relates to the work covered under subsection (2) of this section requires the payment of prevailing wages. Travel time includes time spent waiting to load, loading, transporting, waiting to unload, and delivering materials. Travel time would include all time spent in travel in support of a public works project whether the vehicle is empty or full. For example, travel time spent returning to a supply source to obtain another load of material for use on a public works site or returning to the public works site to obtain another load of excavated material is time spent in travel that is subject to prevailing wage. Travel to a supply source, including travel from a public works site, to obtain materials for use on a private project would not be travel subject to the prevailing wage.

(4) Workers are not subject to the provisions of chapter 39.12 RCW when they deliver materials to a stockpile.

(a) A "stockpile" is defined as materials delivered to a pile located away from the site of incorporation such that the stockpiled materials must be physically moved from the stockpile and transported to another location on the project site in order to be incorporated into the project.

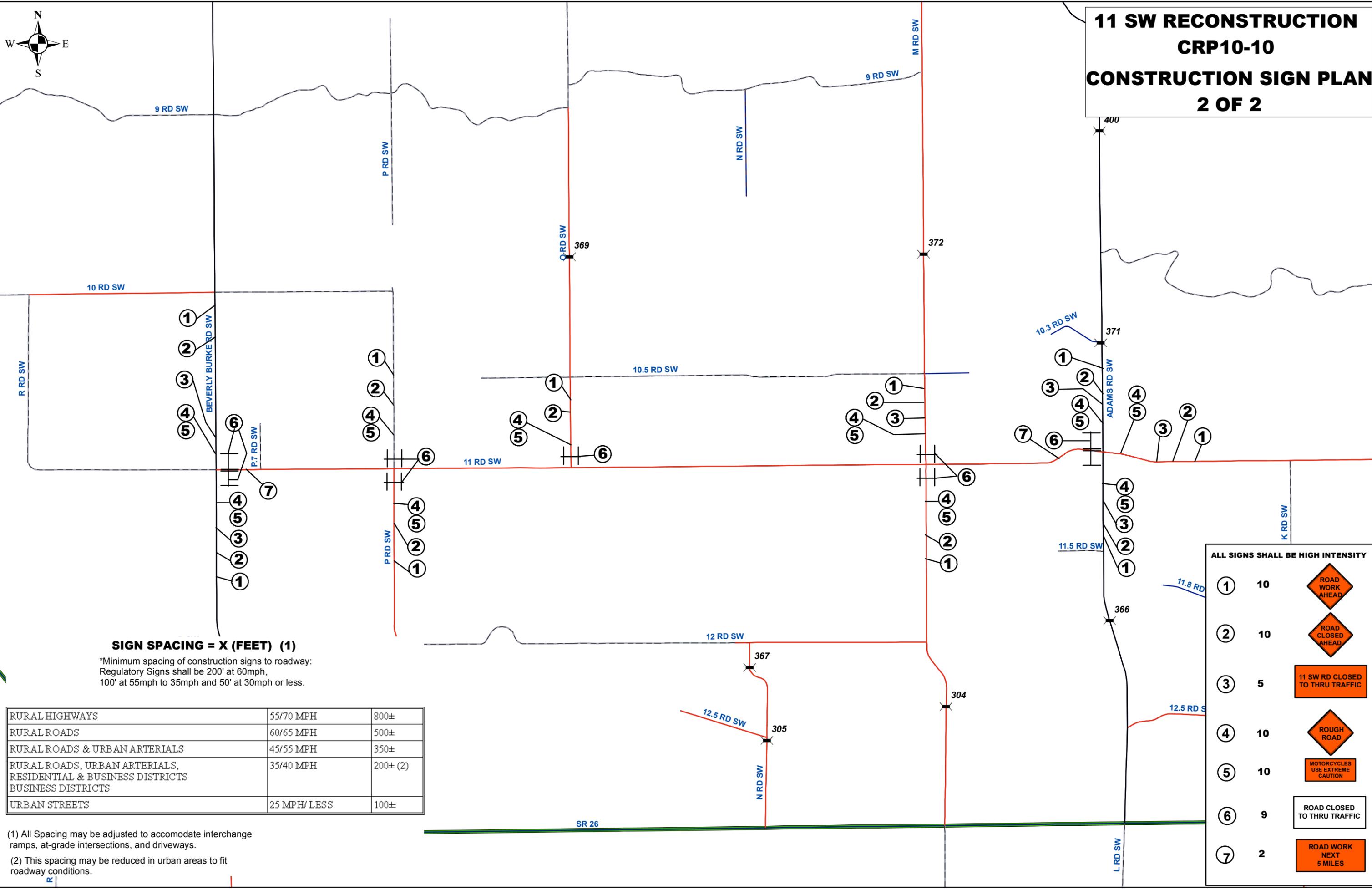
(b) A stockpile does not include any of the functions described in subsection (2)(a) through (f) of this section; nor does a stockpile include materials delivered or distributed to multiple locations upon the project site; nor does a stockpile include materials dumped at the place of incorporation, or adjacent to the location and coordinated with the incorporation.

(5) The applicable prevailing wage rate shall be determined by the locality in which the work is performed. Workers subject to subsection (2)(d) of this section, who produce such materials at an off-site facility shall be paid the applicable prevailing wage rates for the county in which the off-site facility is located. Workers subject to subsection (2) of this section, who deliver such materials to a public works project site shall be paid the applicable prevailing wage rates for the county in which the public works project is located.

[Statutory Authority: Chapter 39.12 RCW, RCW 43.22.051 and 43.22.270. 08-24-101, § 296-127-018, filed 12/2/08, effective 1/2/09. Statutory Authority: Chapters 39.04 and 39.12 RCW and RCW 43.22.270. 92-01-104 and 92-08-101, § 296-127-018, filed 12/18/91 and 4/1/92, effective 8/31/92.]



11 SW RECONSTRUCTION CRP10-10 CONSTRUCTION SIGN PLAN 2 OF 2



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±

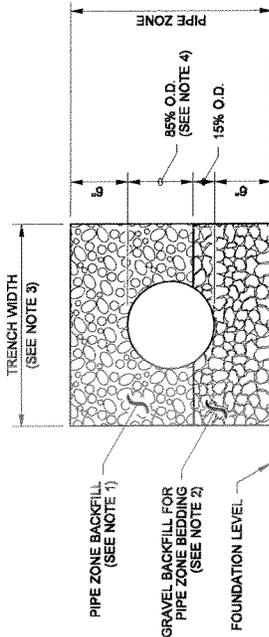
- (1) All Spacing may be adjusted to accommodate interchange ramps, at-grade intersections, and driveways.
- (2) This spacing may be reduced in urban areas to fit roadway conditions.

ALL SIGNS SHALL BE HIGH INTENSITY

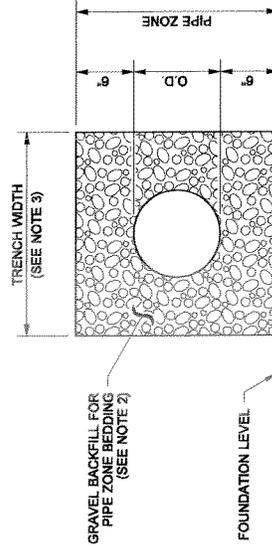
①	10	
②	10	
③	5	
④	10	
⑤	10	
⑥	9	
⑦	2	

NOTES

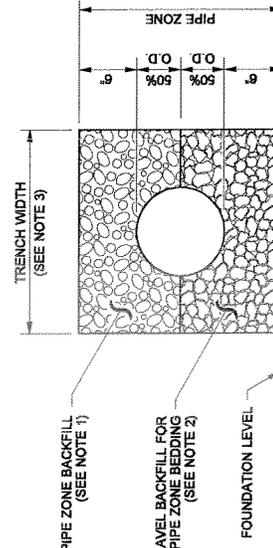
1. See Standard Specifications Section 7-08.3(3) for Pipe Zone Backfill.
2. See Standard Specifications Section 9-03.12(3) for Gravel Backfill for Pipe Zone Bedding.
3. See Standard Specifications Section 2-09.4 for Measurement of Trench Width.
4. For sanitary sewer installation, concrete pipe shall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



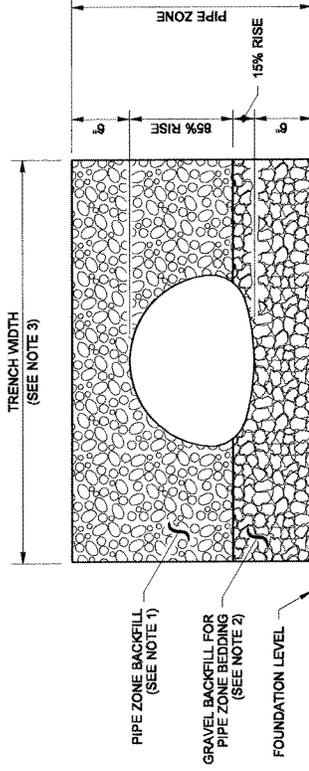
CONCRETE AND DUCTILE IRON PIPE



THERMOPLASTIC PIPE

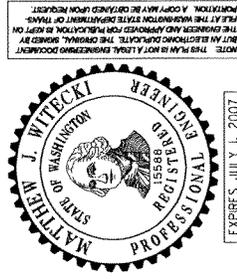


METAL PIPE



PIPE ARCHES

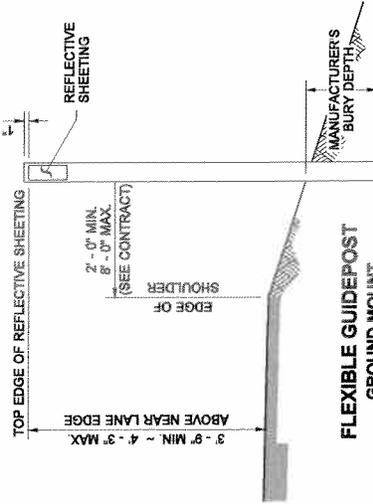
CLEARANCE BETWEEN PIPES FOR MULTIPLE INSTALLATIONS		MINIMUM DISTANCE BETWEEN BARRELS
PIPE	SIZE	
CIRCULAR PIPE (DIAMETER)	12" to 24"	12"
	30" to 96"	DIAM. / 2
	102" to 180"	48"
PIPE ARCH (SPAN)	18" to 36"	12"
	43" to 142"	SPAN / 3
METAL ONLY	148" to 200"	48"



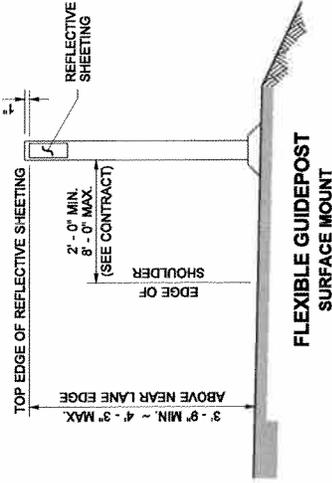
PIPE ZONE BEDDING AND BACKFILL
STANDARD PLAN B-55.20-00
 SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Harold J. Peterfeso 06-01-06
 STATE DESIGN ENGINEER DATE
 Washington State Department of Transportation

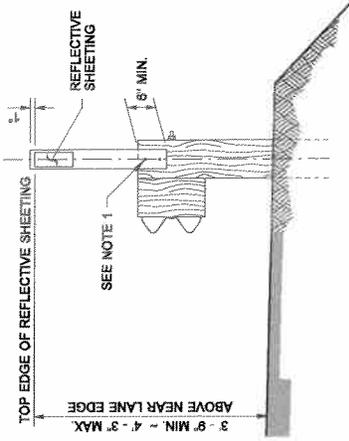
NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT UNLESS IT IS APPROVED FOR PUBLICATION BY THE ENGINEER AND APPROVED FOR PUBLICATION BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.



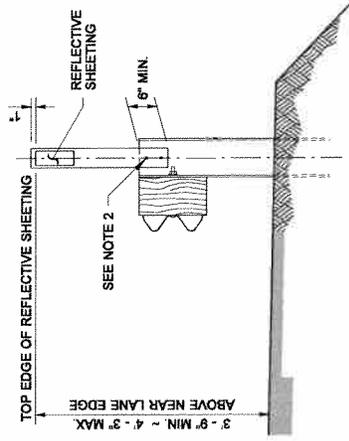
FLEXIBLE GUIDEPOST GROUND MOUNT



FLEXIBLE GUIDEPOST SURFACE MOUNT



FLEXIBLE GUIDEPOST GUARDRAIL MOUNT (USE FOR WOODEN GUARDRAIL POSTS)



FLEXIBLE GUIDEPOST GUARDRAIL MOUNT (USE FOR STEEL GUARDRAIL POSTS)

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 surfaces 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.

OBSERVATION ANGLE	SPECIFIC INTENSITY (cd/ft ²)	
	WHITE	YELLOW
0.1°	128	75
0.1°	50	30

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:

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	
FACING TRAFFIC: 3" width, 8" height, WHITE	FACING TRAFFIC: 3" width, 8" height, WHITE; BACK SIDE: 3" width, 4" height, WHITE	FACING TRAFFIC: 3" width, 8" height, YELLOW	FACING TRAFFIC: 3" width, 8" height, YELLOW; BACK SIDE: 3" width, 8" height, YELLOW	



NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE INFORMATION AND CONDITIONS SHOWN ON THIS PLAN. A COPY MAY BE OBTAINED UPON REQUEST.

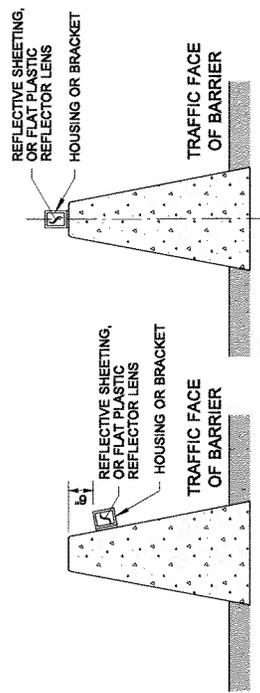
GUIDEPOSTS AND BARRIER DELINEATORS STANDARD PLAN M-40.10-01

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION **06-03-10** DATE

Pasco Bakotich III STATE DESIGN ENGINEER

Washington State Department of Transportation

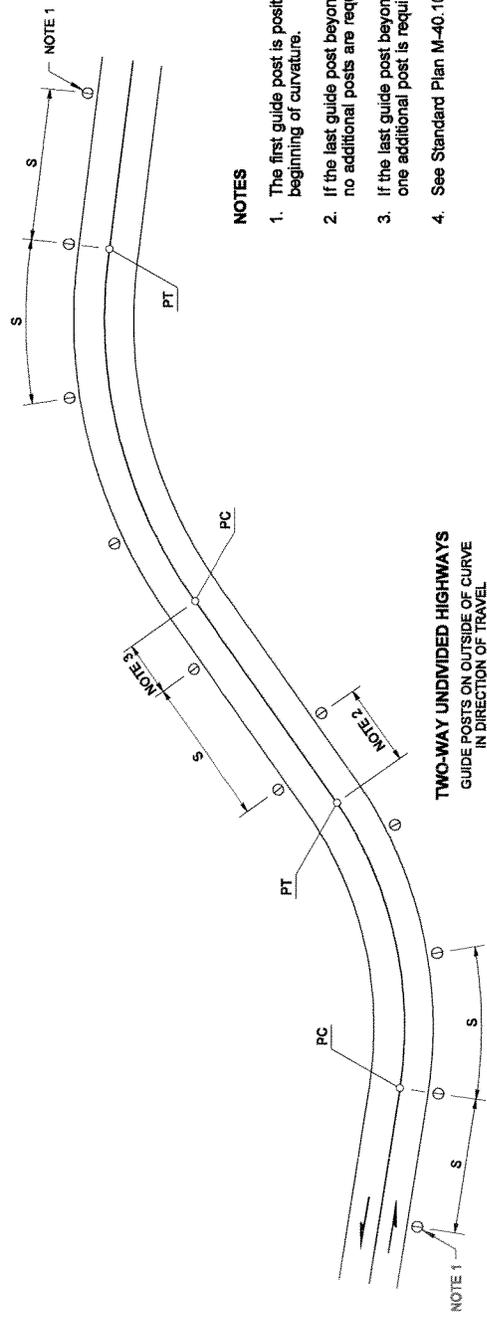


BARRIER DELINEATORS

(CONCRETE BARRIER TYPES AND LOCATIONS VARY, SINGLE SLOPE IN MEDIAN SHOWN)

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
2,900	160
3,700	180
4,500	200
5,500	220
6,500	240
7,600	260
8,800	280
10,000	300
R>10,000	300

INTERPOLATE FROM THE TABLE FOR RADII NOT SHOWN



TWO-WAY UNDIVIDED HIGHWAYS
GUIDE POSTS ON OUTSIDE OF CURVE
IN DIRECTION OF TRAVEL

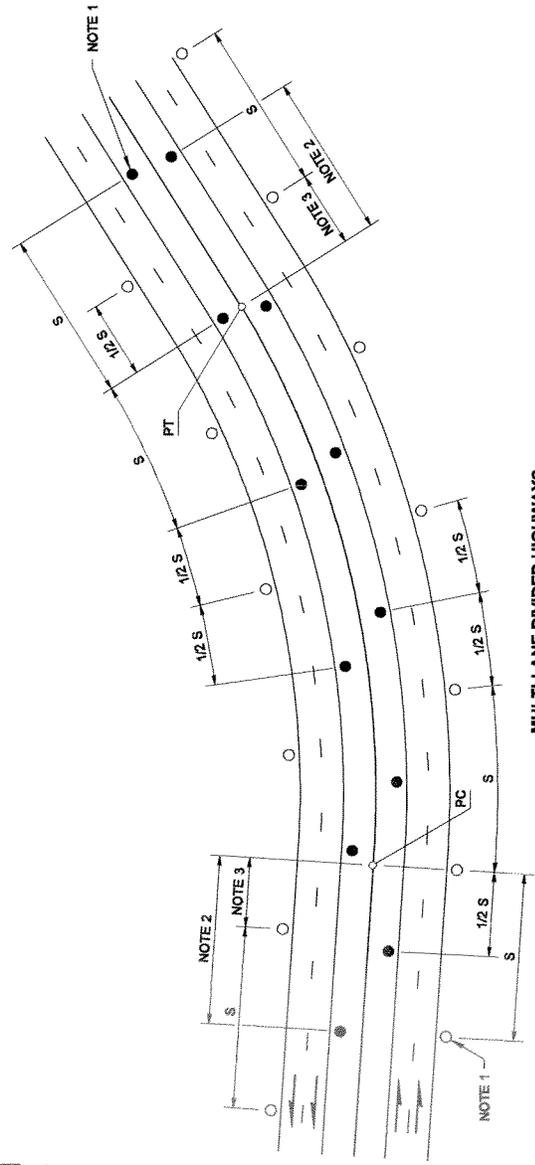
NOTES

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

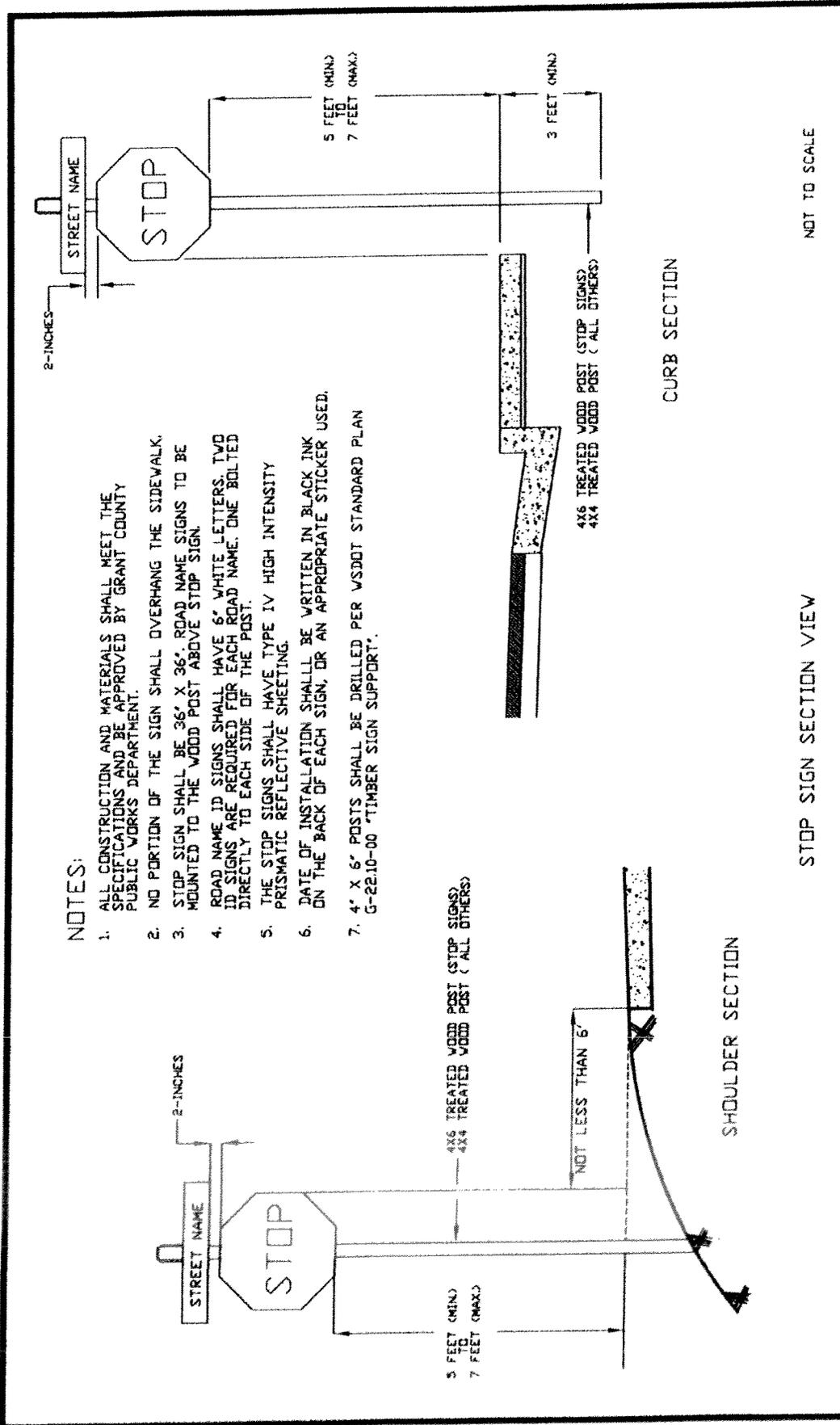


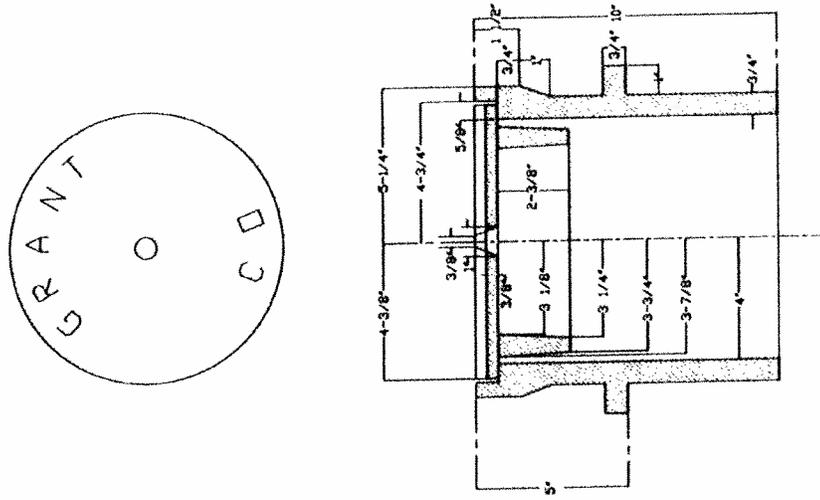
EXPIRES AUGUST 9, 2009

**GUIDE POST PLACEMENT
HORIZONTAL CURVES
STANDARD PLAN M-40.40-00**

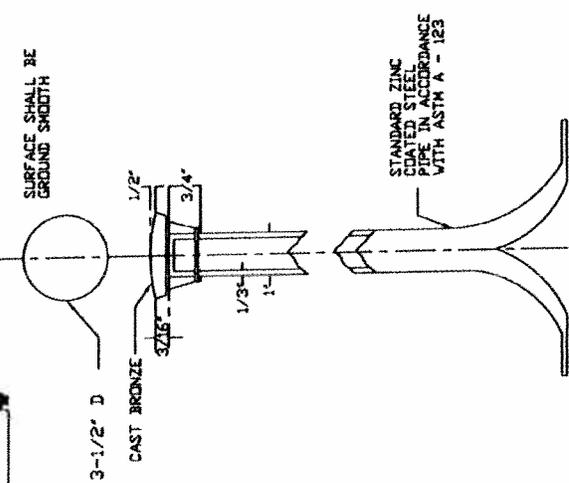
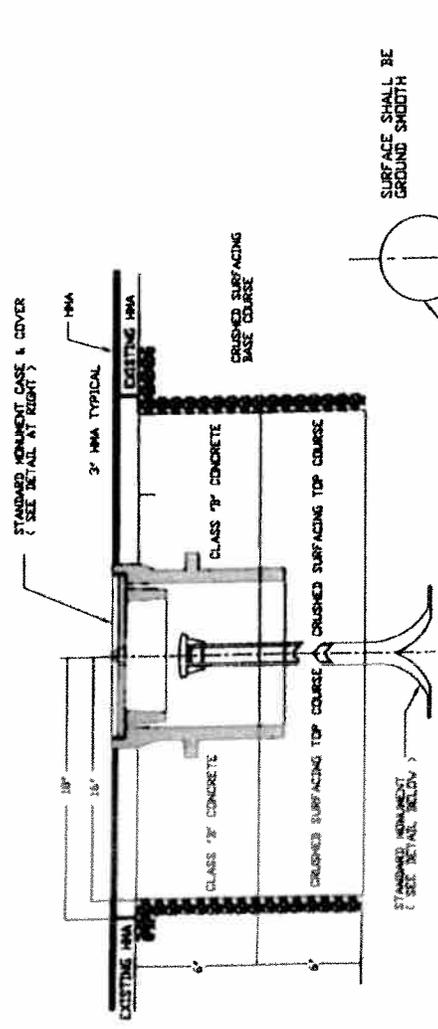
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Pasco Bakotich III 09-20-07
STATE DESIGN ENGINEER DATE
Washington State Department of Transportation





NOT TO SCALE



NOTES:
 COVER AND SEAT SHALL BE MACHINED SO AS TO HAVE PERFECT CONTACT AROUND THE ENTIRE CIRCUMFERENCE AND FULL WIDTH OF BEARING SURFACE.
 SPECIFICATIONS:
 CAST IRON AS PER A.S.T.M. A48 CL 40
 APPROXIMATE WEIGHT:
 BODY 60 LBS.
 COVER 20 LBS.
 STANDARD MONUMENT, CAST BRONZE CAP PIN MOUNTED TO 3/4\"/>

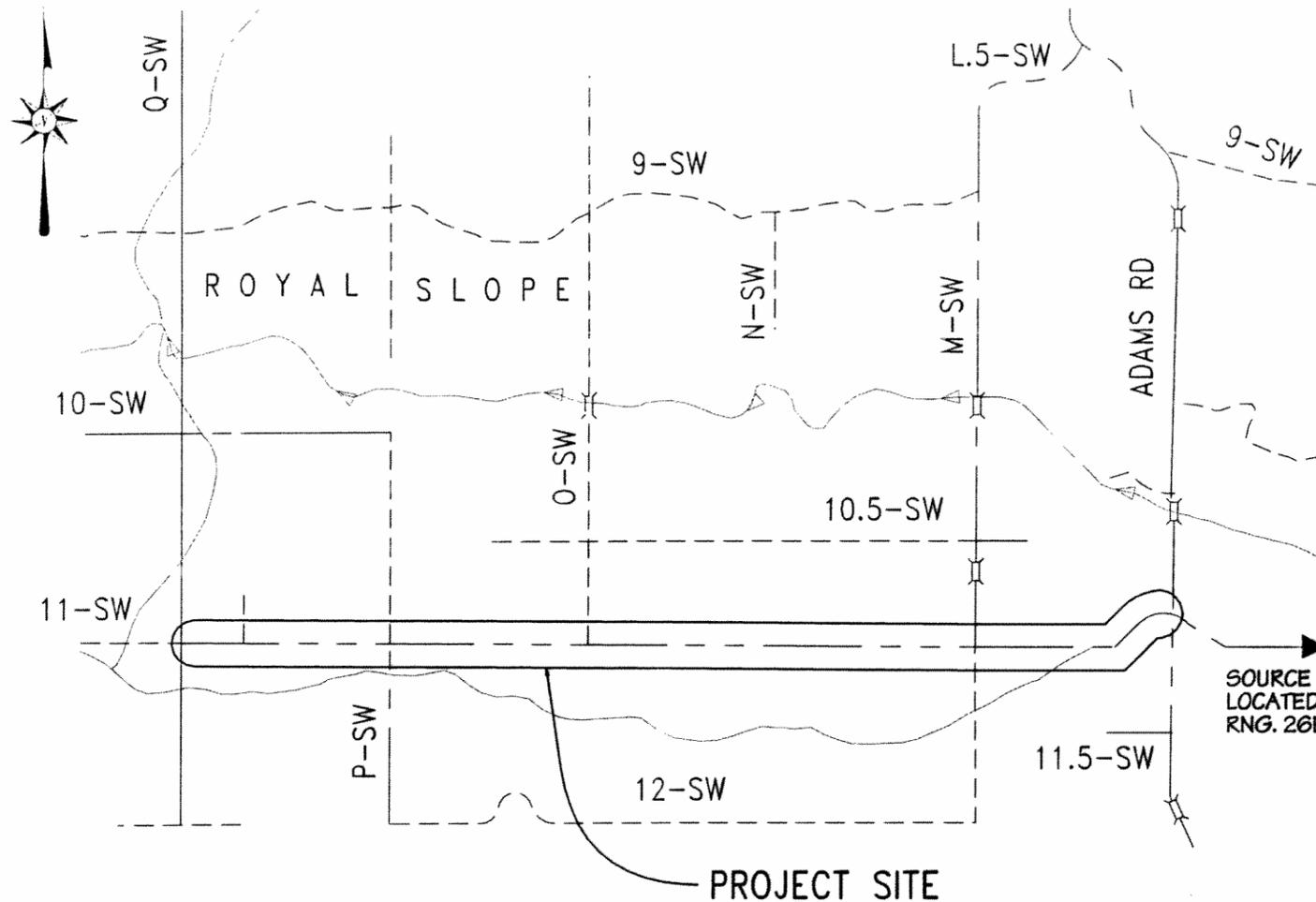
MONUMENT

GRANT COUNTY
 PUBLIC WORKS DEPARTMENT

ROADWAY
 STANDARDS

APPENDIX B
 FIGURE 4-2

11-SW ROAD RECONSTRUCTION



SHEET

DESCRIPTION

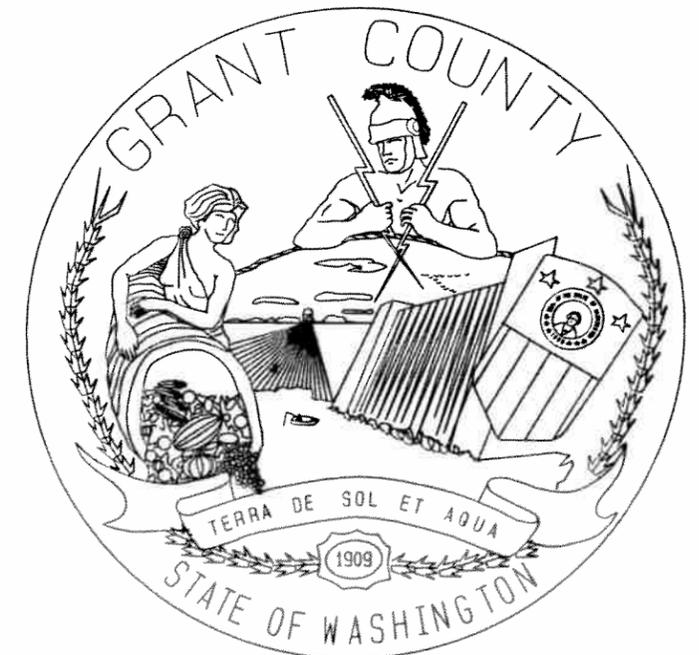
1	—	INDEX & VICINITY MAP
2	—	SUMMARY OF QUANTITIES
3-4	—	STRUCTURE NOTES
5-21	—	PLAN AND PROFILE
22	—	TYPICAL X-SECTIONS

LEGEND

	POWER POLE		CONTROL POINT
	TELEPHONE PED.		SYPHON
	GUIDE POST		MAILBOX
	FENCE LINE		TELEPHONE LINE
	CULVERT		

Grant County Board Of Commissioners

Richard Stevens, District No. 1
 Carolann Swartz, District No. 2 (Chair)
 Cindy Carter, District No. 3



GRANT COUNTY PUBLIC WORKS DEPARTMENT
 124 ENTERPRISE ST. SE
 EPHRATA, WASHINGTON 98823
 (509) 754-6082 FAX (509) 754-6087



11-SW ROAD RECONSTRUCTION
 CRP 10-10

DESIGNED BY:	BOB BERSANTI
DRAWN BY:	BOB BERSANTI
CHECKED BY:	DEREK POHLE
REVISIONS BY:	BOB BERSANTI
DATE REVISED:	4-20-2011
RAP PROJECT NO:	1310-01



SHEET 1
 OF 22

SUMMARY OF QUANTITIES

ITEM NO.	TOTAL QUANTITY	UNIT	ITEM DESCRIPTION	STA. 10+40 TO STA. 275+12.88			
PREPARATION							
1	100%	L.S.	Mobilization	100%			
2	100%	L.S.	Notification	100%			
3	100%	L.S.	Clearing and Grubbing	100%			
GRADING							
4	76,695	S.Y.	Rotomilling Bituminous Pavement	76,695			
5	13,926	C.Y.	Roadway Excavation Including Haul	13,926			
6	8,751	C.Y.	Embankment Compaction	8,751			
DRAINAGE							
7	115	L.F.	Plain Steel Culvert Pipe 0.064 In. Thick- 12In. Diameter	115			
8	351	L.F.	Plain Steel Culvert Pipe 0.064 In. Thick- 18In. Diameter	351			
9	40	L.F.	Plain Steel Culvert Pipe 0.064 In. Thick- 24In. Diameter	40			
10	25	L.F.	Extend Existing Plain Steel Culvert Pipe 0.064 In. Thick- 36In. Diameter	25			
11	200	C.Y.	Quarry Spalls for Roadside Ditch Protection from Quarry #553	200			
SURFACING							
12	37,816	TONS	Crushed Surfacing Base Course From Stockpile #553	37,816			
13	24,580	TONS	Maintenance Rock From Stockpile #553	24,580			
ASPHALT CONCRETE PAVEMENT							
14	1,445	TONS	HMA Class 1/2" Incl. PG64-28 Paving Asphalt	1,445			
15	1	Calc.	Job Mix Compliance Price Adjustment	1			
16	1	Calc.	Compaction Price Adjustment	1			
TRAFFIC							
17	13,650	L.F.	Painted Skip Centerline	13,650			
18	8,445	L.F.	Painted Skip Centerline With No Pass	8,445			
19	4,472	L.F.	Painted Double Yellow Centerline	4,472			
20	52,900	L.F.	Painted Edge Line - 12' Lane Width	52,900			
21	100%	L.S.	Permanent Signing	100%			
22	20	EACH	Guide Posts	20			
OTHER ITEMS							
23	85	C.Y.	Structure Excavation Class B Incl. Haul	85			
24	150	C.Y.	Gravel Backfill for Pipe Zone Bedding	150			
25	8	EACH	Monuments	8			
26	100%	L.S.	Trimming and Cleanup	100%			
27	10	ACRES	Seeding, Fertilizing, and Mulching With Irrigated Pasture Mix	10			
28	\$1.00	Dol.	Minor Changes	\$1.00			

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



11-SW ROAD RECONSTRUCTION
 CRP 10-10

DESIGNED BY:	BOB BERSANTI
DRAWN BY:	BOB BERSANTI
CHECKED BY:	DEREK POHLE
REVISIONS BY:	BOB BERSANTI
DATE REVISED:	4-20-2011
RAP PROJECT NO:	1310-01



SHEET 2
 OF 22

STRUCTURE NOTES

NOTE: THE FIRST NUMBER OF THE "CODE" REFERS TO THE PLAN SHEET NUMBER OF THE CONTRACT PLANS. THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THE PARTICULAR SHEET.

CODE	LOCATION	R/L	ELEV.	MISC.	P.I. St. Culvert Pipe 12" Dia. 0.064" Th.	P.I. St. Culvert Pipe 18" Dia. 0.064" Th.	P.I. St. Culvert Pipe 24" Dia. 0.064" Th.	Extend Existing P.I. St. Culvert Pipe 36" Dia. 0.064" Th.	Structure Ex. Class "B" Incl. Haul	Gravel Backfill For Pipe Zone Bedding	Crushed Maintenance Rock	Crushed Surfacing Base Course	Roadway Excavation	Embankment Compaction	Monument	REMARKS
5-1	STA. 11+05 TO 11+25	L	PLAN	F							6					6
5-2	STA. 12+00 TO 12+20	R	PLAN	F							6					6
5-3	STA. 23+10 TO 23+38	L	PLAN	ROAD		45					40	70				1,2,6
6-1	STA. 35+50 TO 35+80	L	PLAN	F	45						3					1,2,6
6-2	STA. 36+00 TO 36+20	R	PLAN	O&M							6					6
6-3	STA. 36+10 TO 36+30	L	PLAN	O&M							6					6
6-4	STA. 36+47	R	PLAN	CROSS				25								1,2,7
6-5	STA. 36+47.38	CL	PLAN	MON											1	4,5
6-6	STA. 36+70 TO 36+90	R	PLAN	O&M							6					6
7-1	STA. 54+00 TO 54+20	L	PLAN	F							3					6
8-1	STA. 59+60 TO 59+80	L	PLAN	F							6					6
8-2	STA. 60+80 TO 61+20	L	PLAN	F							10					6
8-3	STA. 62+00 TO 62+20	L	PLAN	F							6					6
8-4	STA. 62+80 TO 63+08	L	PLAN	ROAD		38					40	70				1,2,6
8-5	STA. 62+80 TO 63+08	R	PLAN	ROAD		38					40	70				1,2,6
8-6	STA. 68+60 TO 68+80	L	PLAN	F							6					6
9-1	STA. 79+80 TO 80+00	L	PLAN	F							6					6
9-2	STA. 88+30 TO 88+60	R	PLAN	F							3					6
9-3	STA. 88+50 TO 88+70	L	PLAN	F			40				6					1,2,6
10-1	STA. 89+35.57	CL	PLAN	MON												4,5
11-1	STA. 113+70 TO 113+90	R	PLAN	F							6					6
11-2	STA. 115+60 TO 115+88	L	PLAN	ROAD		50					40	70				1,2,6
11-3	STA. 115+74.71	CL	PLAN	MON												4,5
11-4	STA. 118+00 TO 118+20	L	PLAN	F	35						6					1,2,6
11-5	STA. 120+00 TO 120+20	R	PLAN	F							6					6
12-1	STA. 130+60 TO 131+00	L	PLAN	F							3					6
12-2	STA. 132+10 TO 132+30	R	PLAN	F							6					6
13-1	STA. 142+14.55	CL	PLAN	MON												4,5
13-2	STA. 148+20 TO 148+40	R	PLAN	F							6					6
13-3	STA. 150+10 TO 150+30	L	PLAN	F							6					6
14-1	STA. 154+80 TO 155+00	L	PLAN	F							6					6
14-2	STA. 160+80 TO 161+00	L	PLAN	F							6					6
14-3	STA. 164+40 TO 164+60	L	PLAN	F							6					6

Page Total

80

171

40

25

310

280

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

1. Field adjust termini as directed by the engineer.
2. Install 3:1 beveled end sections per standard plans.
3. Remove existing culvert and salvage to the contractor.
4. Remove existing monument and case and salvage to contractor.
5. Install monument and monument case per standard plans.
6. Quantities for embankment and roadway excavation are included in plan quantities whether shown or not.
7. Extend existing cross pipe.

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



11-SW ROAD RECONSTRUCTION
 CRP 10-10

DESIGNED BY: BOB BERSANTI

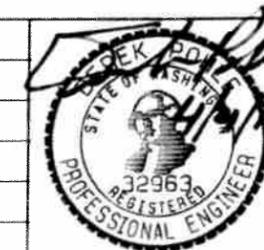
DRAWN BY: BOB BERSANTI

CHECKED BY: DEREK POHLE

REVISIONS BY: BOB BERSANTI

DATE REVISED: 4-20-2011

RAP PROJECT NO: 1310-01



SHEET 3

OF 22

STRUCTURE NOTES

NOTE: THE FIRST NUMBER OF THE "CODE" REFERS TO THE PLAN SHEET NUMBER OF THE CONTRACT PLANS. THE SECOND NUMBER REFERS TO THE CONSTRUCTION FEATURE FOUND ON THE PARTICULAR SHEET.

CODE	LOCATION	R/L	ELEV.	MISC.	L.F.	L.F.	C.Y.	C.Y.	TONS	TONS	C.Y.	C.Y.	L.F.	EACH	EACH	REMARKS
14-4	STA. 166+10 TO 166+30	L	PLAN	F					6							6
14-5	STA. 168+50 TO 168+70	L	PLAN	F					6							6
14-6	STA. 168+59.14	CL	PLAN	MON										1		4.5
14-7	STA. 168+60 TO 168+80	R	PLAN	F					6							6
15-1	STA. 170+00 TO 170+20	L	PLAN	F					6							6
16-1	STA. 194+10 TO 194+30	L	PLAN	F		35			6							12.6
16-2	STA. 195+02.67	CL	PLAN	MON										1		4.5
17+1	STA. 203+10 TO 203+30	R	PLAN	F					6							6
18-1	STA. 221+33 TO 221+61	R	PLAN	ROAD					40	70						6
18-2	STA. 221+33 TO 221+61	L	PLAN	ROAD					40	70						6
18-3	STA. 221+47.69	CL	PLAN	MON										1		4.5
18-4	STA. 221+70	L/R	PLAN	CROSS		80	45	80								1.2
19-1	STA. 247+92.62	CL	PLAN	MON										1		4.5
20-1	STA. 250+70 TO 250+90	L	PLAN	F					6							6
20-2	STA. 250+70 TO 250+90	R	PLAN	O&M					6							6
20-3	STA. 251+10 TO 251+30	R	PLAN	O&M					6							6
20-4	STA. 252+80 TO 253+20	R	PLAN	F					10							6
20-5	STA. 258+60 TO 258+80	R	PLAN	F					6							6
20-6	STA. 261+60 TO 261+80	L	PLAN	F	35				6							6
21-1	STA. 269+90 TO 270+20	L	PLAN	C					8							6
21-2	STA. 271+00 TO 271+30	R	PLAN	F					8							6
21-3	STA. 271+60 TO 271+80	L	PLAN	C					6							6
24-3	STA. 271+90 TO 272+10	L/R	PLAN	CROSS		65	40	70								1.2

Page Total

35 180 85 150 178 140

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

1. Field adjust termini as directed by the engineer.
2. Install 3:1 beveled end sections per standard plans.
3. Remove existing culvert and salvage to the contractor.
4. Remove existing monument and case and salvage to contractor.
5. Install monument and monument case per standard plans.
6. Quantities for embankment and roadway excavation are included in plan quantities whether shown or not.

NOTE: For Special Features See Special Provisions.

GRANT COUNTY PUBLIC WORKS DEPARTMENT

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(509) 754-6082 FAX (509) 754-6087



11-SW ROAD RECONSTRUCTION
CRP 10-10

DESIGNED BY: BOB BERSANTI

DRAWN BY: BOB BERSANTI

CHECKED BY: DEREK POHLE

REVISIONS BY: BOB BERSANTI

DATE REVISED: 4-20-2011

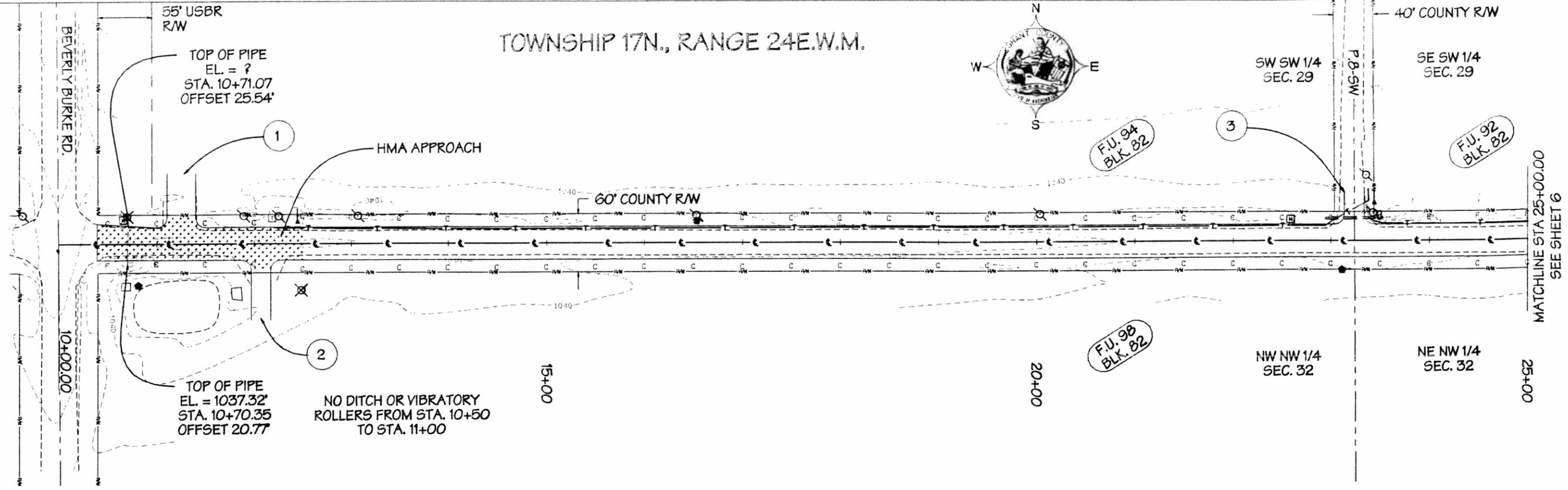
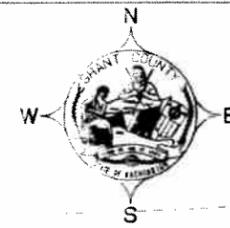
RAP PROJECT NO: 1310-01



SHEET 4

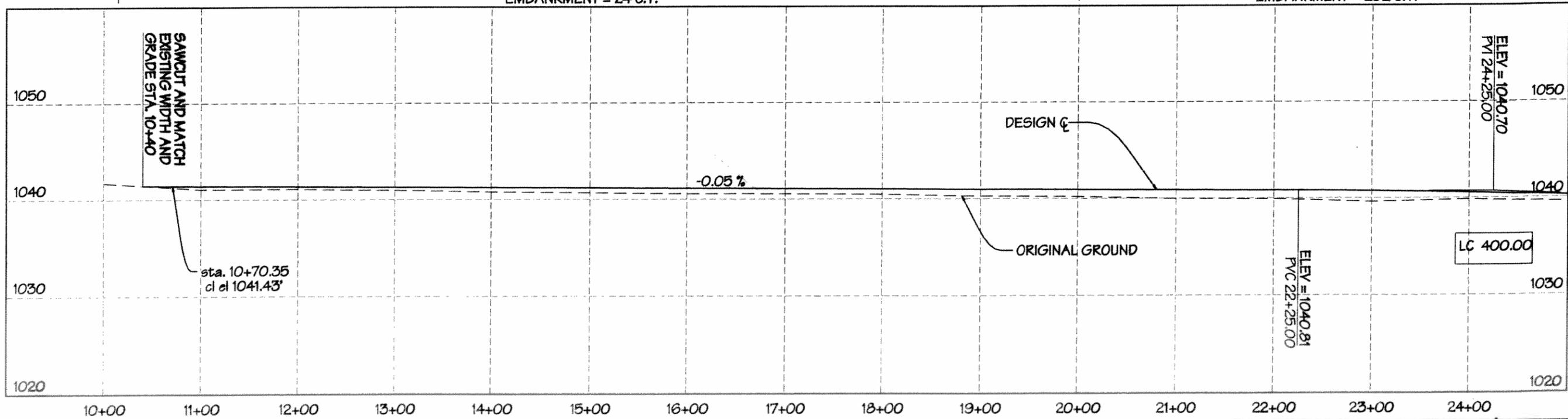
OF 22

TOWNSHIP 17N., RANGE 24E.W.M.



ROADWAY EXCAVATION = 679 C.Y.
EMBANKMENT = 24 C.Y.

ROADWAY EXCAVATION = 109 C.Y.
EMBANKMENT = 282 C.Y.

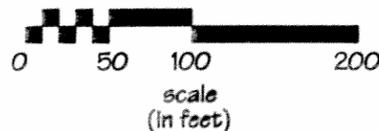


GRANT COUNTY PUBLIC WORKS DEPARTMENT

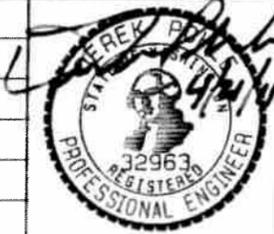
124 ENTERPRISE ST. SE
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11-SW ROAD RECONSTRUCTION
CRP 10-10



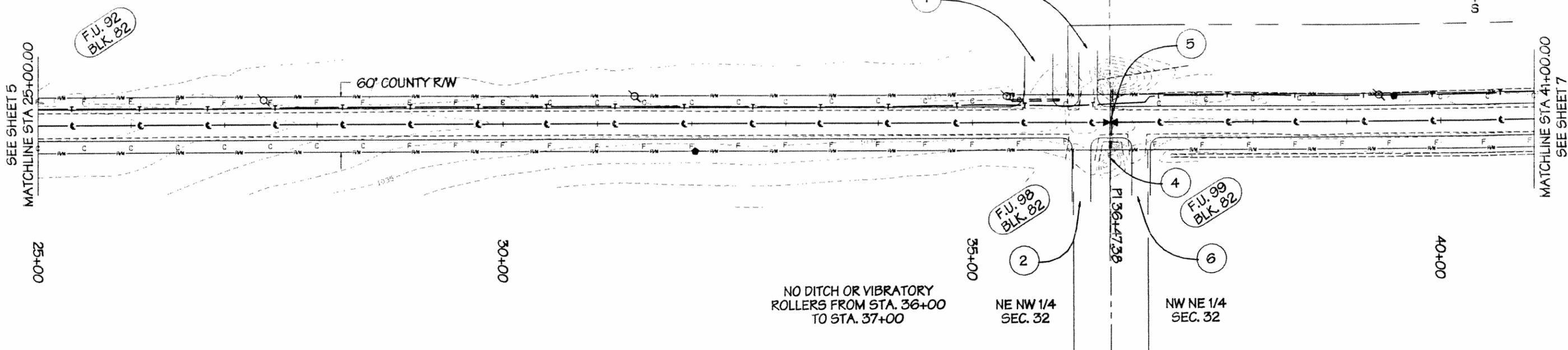
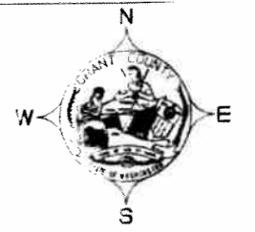
DESIGNED BY: BOB BERSANTI
DRAWN BY: BOB BERSANTI
CHECKED BY: DEREK POHLE
REVISIONS BY: BOB BERSANTI
DATE REVISED: 4-20-2011
RAP PROJECT NO: 1310-01



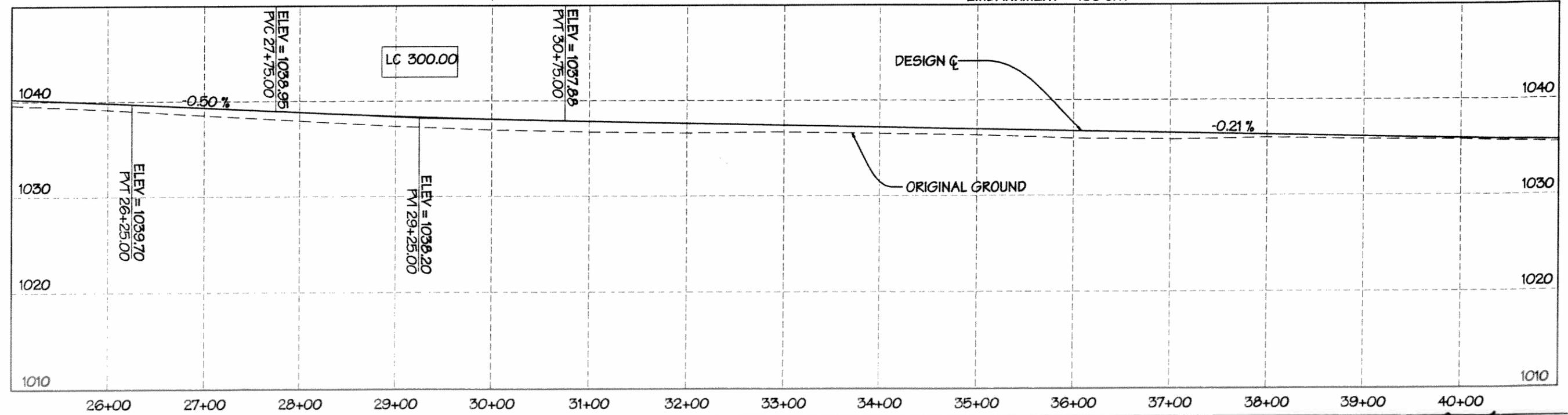
SHEET 5

OF 22

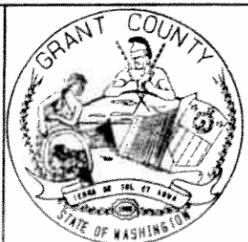
TOWNSHIP 17N., RANGE 24E.W.M.



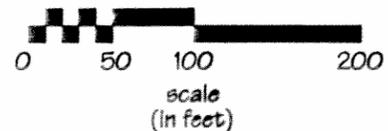
ROADWAY EXCAVATION = 346 C.Y.
EMBANKMENT = 456 C.Y.



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11-SW ROAD RECONSTRUCTION
CRP 10-10



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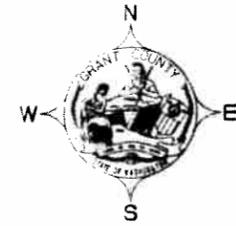


SHEET 6
OF 22

TOWNSHIP 17N., RANGE 24E.W.M.

SW SE 1/4
SEC. 29

SE SE 1/4
SEC. 29



F.U. 92
BLK. 82

F.U. 91
BLK. 82

F.U. 99
BLK. 82

SEE SHEET 6
MATCHLINE STA 41+00.00

MATCHLINE STA 57+00.00
SEE SHEET 8

60' COUNTY R/W

USBR DRAIN CROSSING
D82-99K NO VIBRATORY
ROLLER 50' EITHER SIDE
OF CROSSING

45+00

50+00

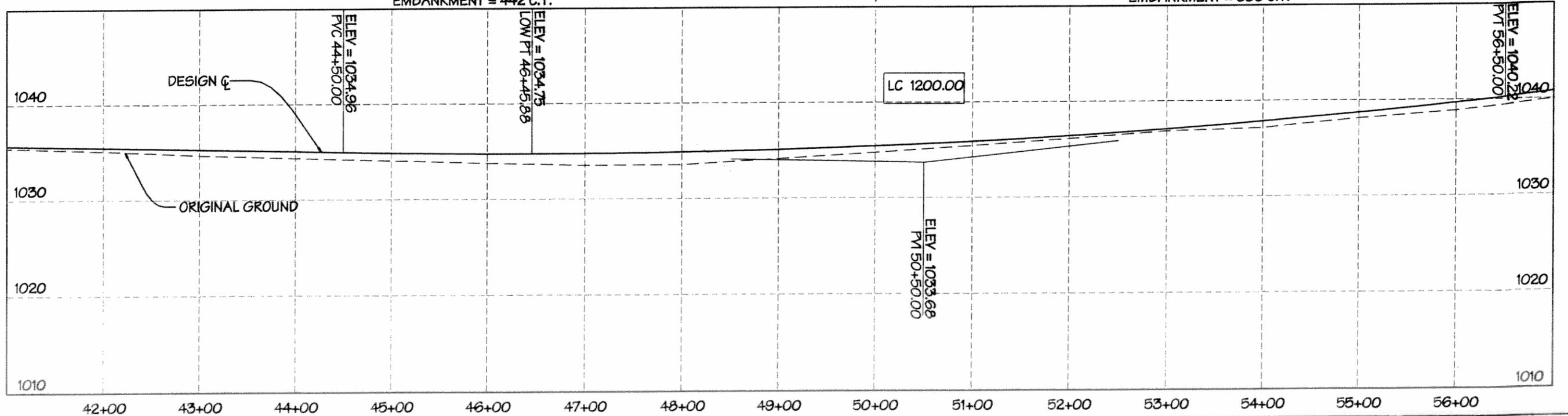
55+00

NW NE 1/4
SEC. 32

NE NE 1/4
SEC. 32

ROADWAY EXCAVATION = 532 C.Y.
EMBANKMENT = 442 C.Y.

ROADWAY EXCAVATION = 706 C.Y.
EMBANKMENT = 309 C.Y.

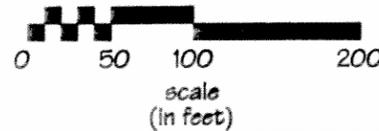


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11-SW ROAD RECONSTRUCTION
CRP 10-10

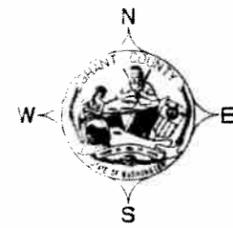


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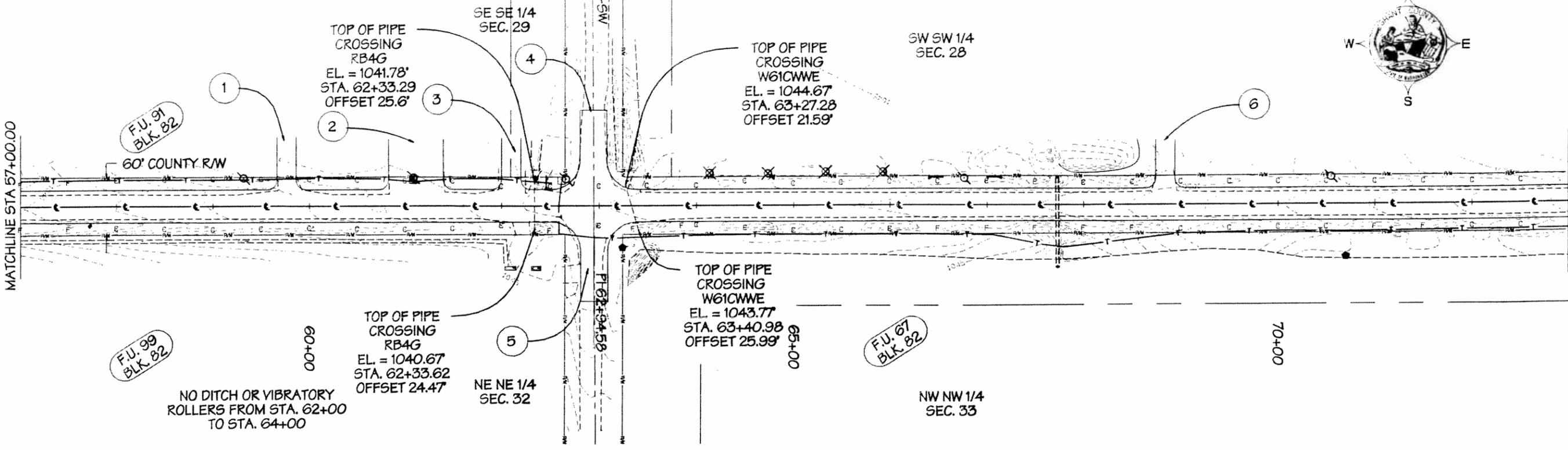
SHEET 7

OF 22



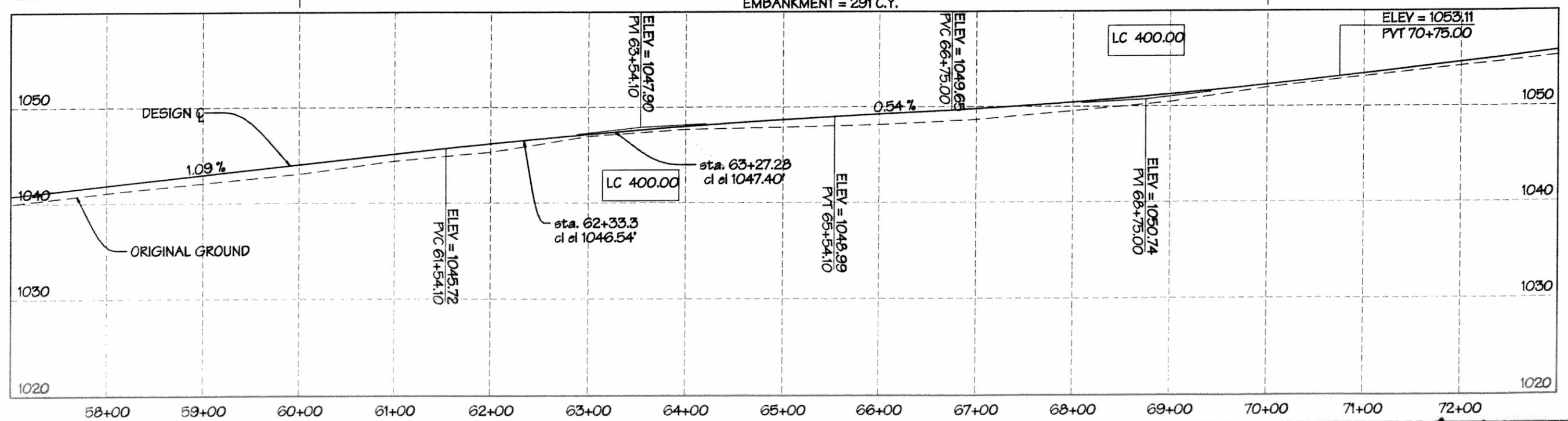
SEE SHEET 7
MATCHLINE STA 57+00.00

MATCHLINE STA 73+00.00
SEE SHEET 9



NO DITCH OR VIBRATORY ROLLERS FROM STA. 62+00 TO STA. 64+00

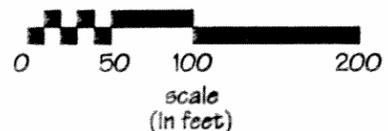
ROADWAY EXCAVATION = 425 C.Y.
EMBANKMENT = 291 C.Y.



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11-SW ROAD RECONSTRUCTION
CRP 10-10

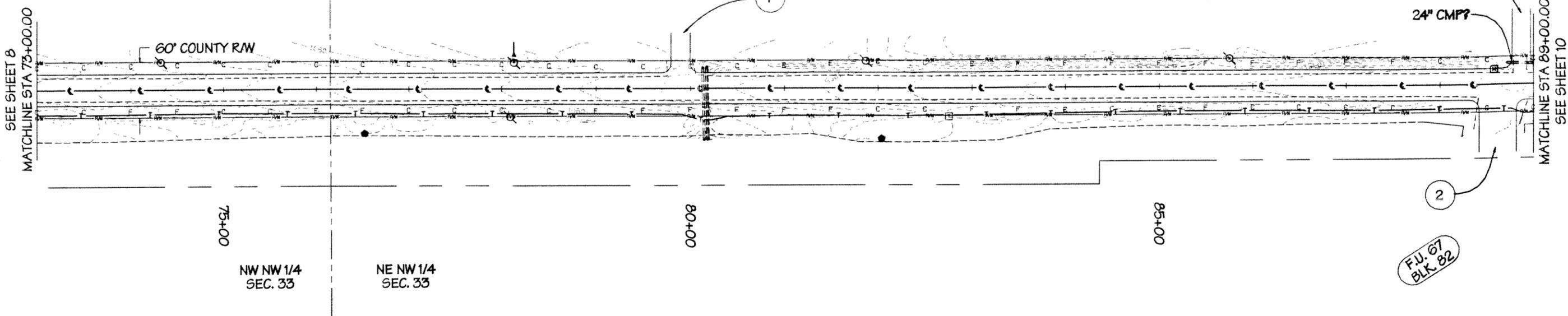
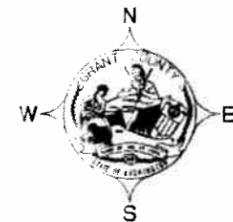


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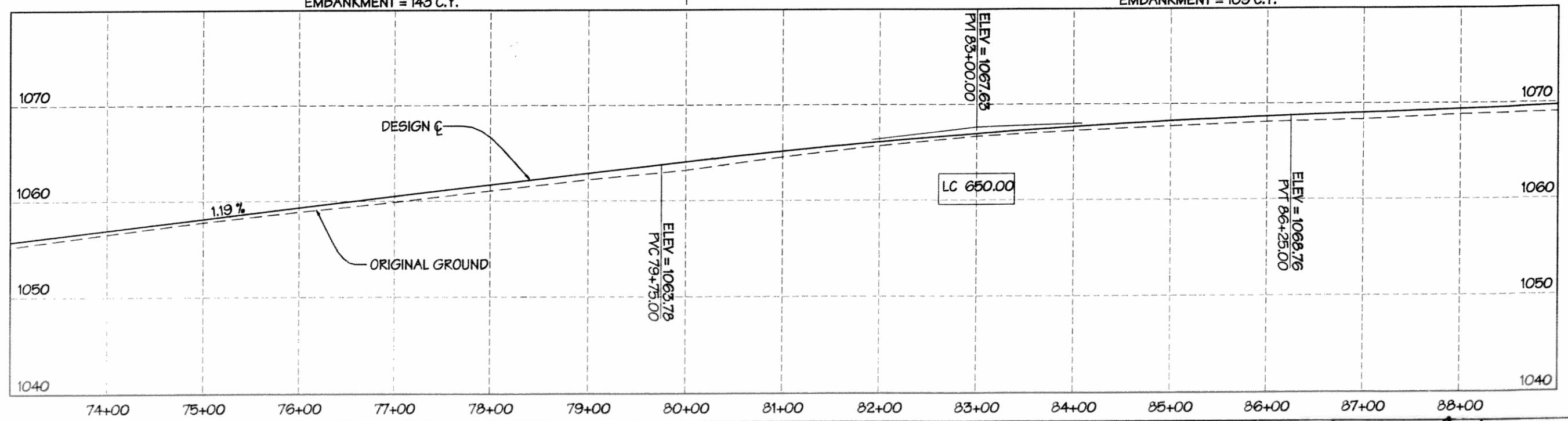
SHEET 8
OF 22

TOWNSHIP 17N., RANGE 24E.W.M.



ROADWAY EXCAVATION = 548 C.Y.
EMBANKMENT = 143 C.Y.

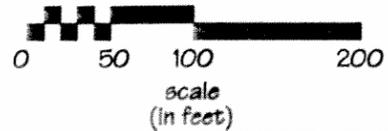
ROADWAY EXCAVATION = 576 C.Y.
EMBANKMENT = 109 C.Y.



GRANT COUNTY PUBLIC WORKS DEPARTMENT
124 ENTERPRISE ST. SE
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11-SW ROAD RECONSTRUCTION
CRP 10-10

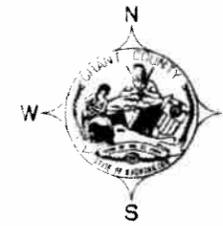


DESIGNED BY: BOB BERSANTI
DRAWN BY: BOB BERSANTI
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REVISIONS BY: BOB BERSANTI
DATE REVISED: 4-20-2011
RAP PROJECT NO: 1310-01



SHEET 9
OF 22

TOWNSHIP 17N., RANGE 24E.W.M.



SW SE 1/4
SEC. 28

SE SE 1/4
SEC. 28

F.U. 75
BLK. 82

F.U. 72
BLK. 82

SEE SHEET 9
MATCHLINE STA 89+00.00

MATCHLINE STA 105+00.00
SEE SHEET 11

60' COUNTY R/W

90+00

NW NE 1/4
SEC. 33

F.U. 66
BLK. 82

95+00

100+00

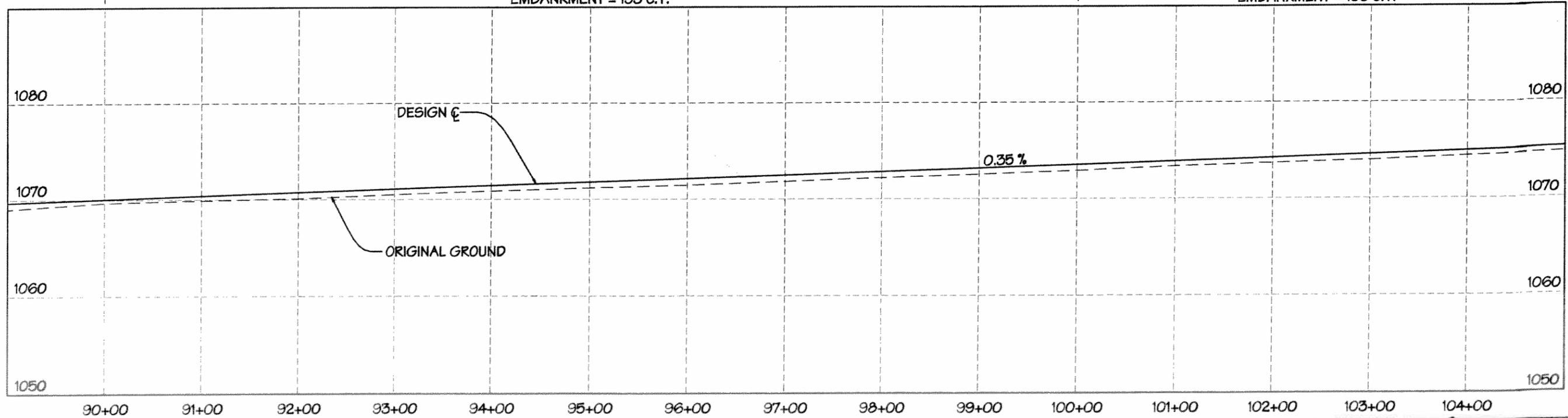
NE NE 1/4
SEC. 33

105+00

USBR DRAIN CROSSING
D82-66 NO VIBRATORY
ROLLER 50' EITHER SIDE
OF CROSSING

ROADWAY EXCAVATION = 296 C.Y.
EMBANKMENT = 193 C.Y.

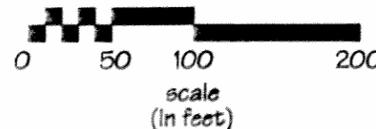
ROADWAY EXCAVATION = 344 C.Y.
EMBANKMENT = 199 C.Y.



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11-SW ROAD RECONSTRUCTION
CRP 10-10

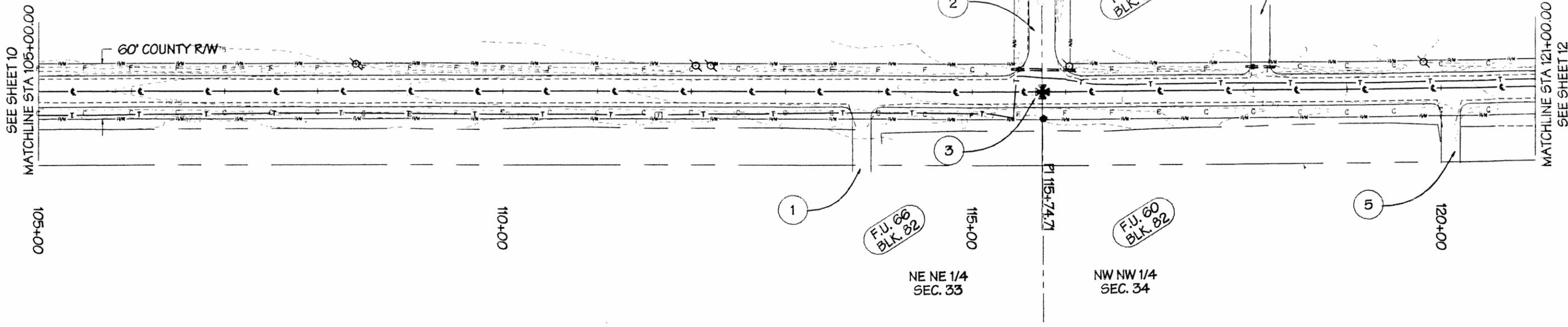
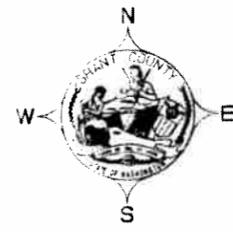


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DRAWN BY: BOB BERSANTI
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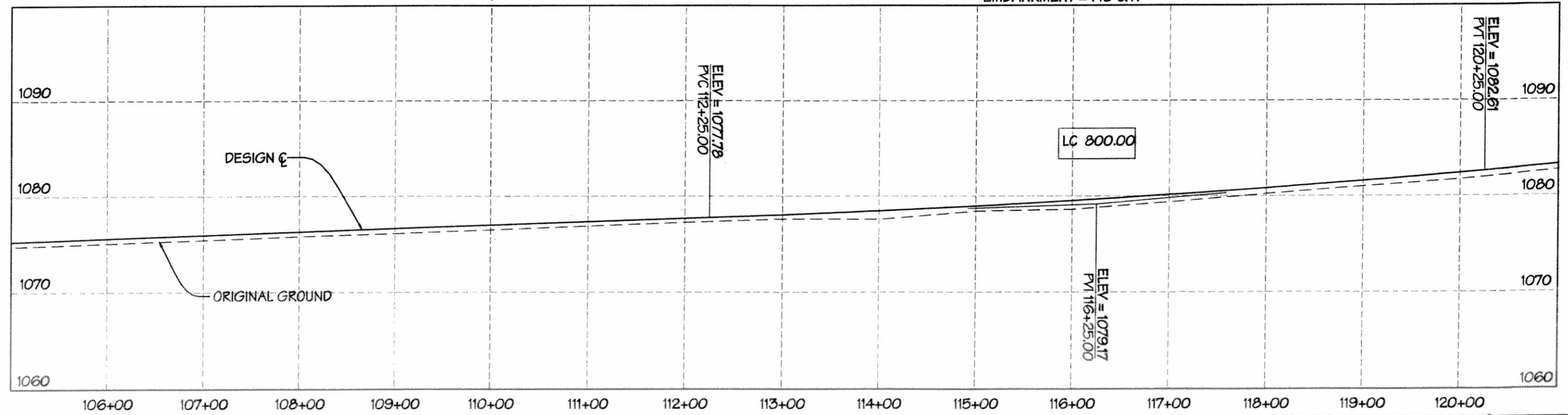


SHEET 10
OF 22

TOWNSHIP 17N., RANGE 24E.W.M.



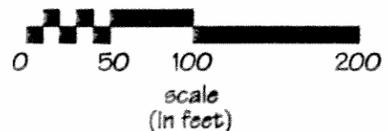
ROADWAY EXCAVATION = 372 C.Y.
EMBANKMENT = 148 C.Y.



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11-SW ROAD RECONSTRUCTION
CRP 10-10



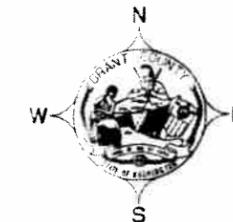
DESIGNED BY:	BOB BERSANTI
DRAWN BY:	BOB BERSANTI
CHECKED BY:	DEREK POHLE
REVISIONS BY:	BOB BERSANTI
DATE REVISED:	4-20-2011
RAP PROJECT NO:	1310-01



SHEET 11
OF 22

SW SW 1/4
SEC. 27

SE SW 1/4
SEC. 27



F.U. 71
BLK. 82

F.U. 68
BLK. 82

NW NW 1/4
SEC. 34

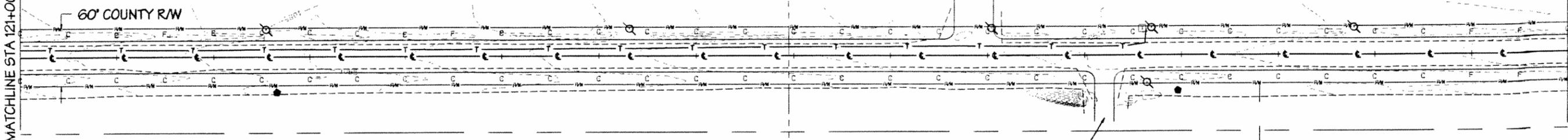
NE NW 1/4
SEC. 34

F.U. 60
BLK. 82

F.U. 54
BLK. 82

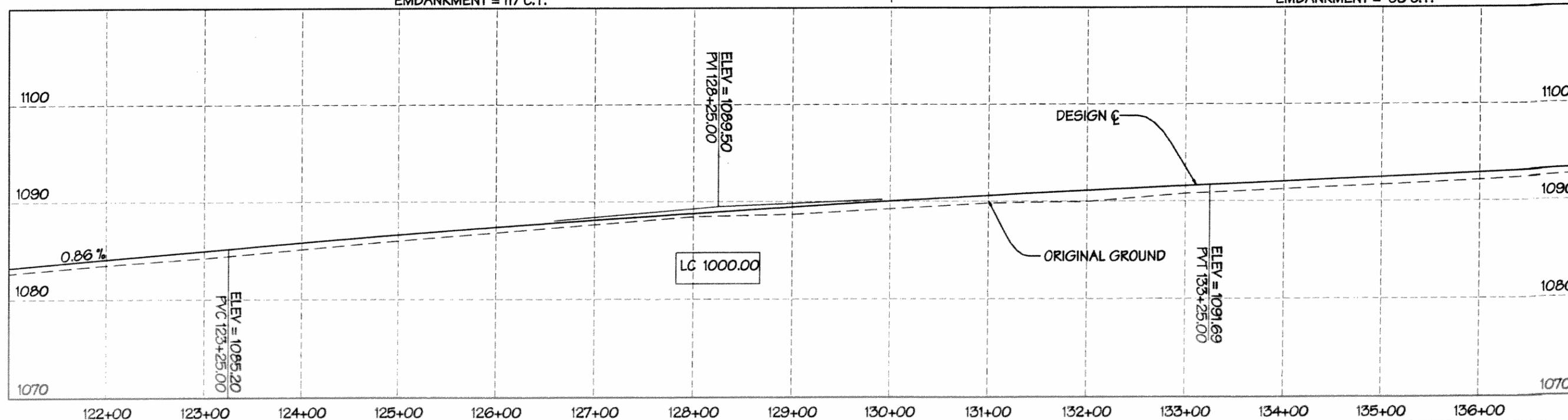
SEE SHEET 11
MATCHLINE STA 121+00.00

MATCHLINE STA 137+00.00
SEE SHEET 13



ROADWAY EXCAVATION = 333 C.Y.
EMBANKMENT = 117 C.Y.

ROADWAY EXCAVATION = 261 C.Y.
EMBANKMENT = 93 C.Y.

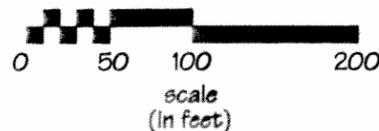


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124 ENTERPRISE ST. SE
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11-SW ROAD RECONSTRUCTION
CRP 10-10



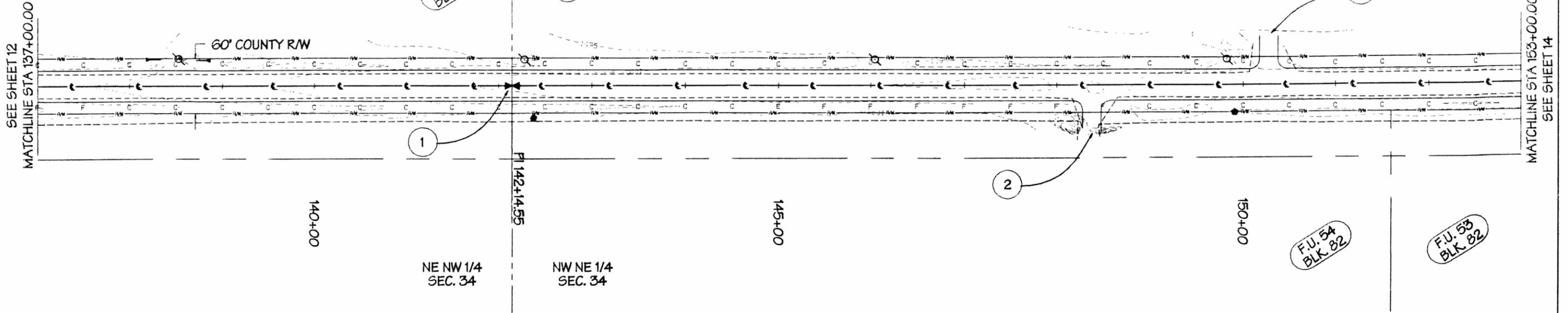
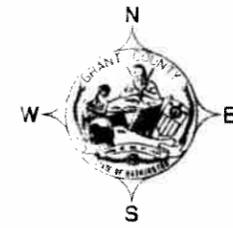
DESIGNED BY:	BOB BERSANTI
DRAWN BY:	BOB BERSANTI
CHECKED BY:	DEREK POHLE
REVISIONS BY:	BOB BERSANTI
DATE REVISED:	4-20-2011
RAP PROJECT NO:	1310-01



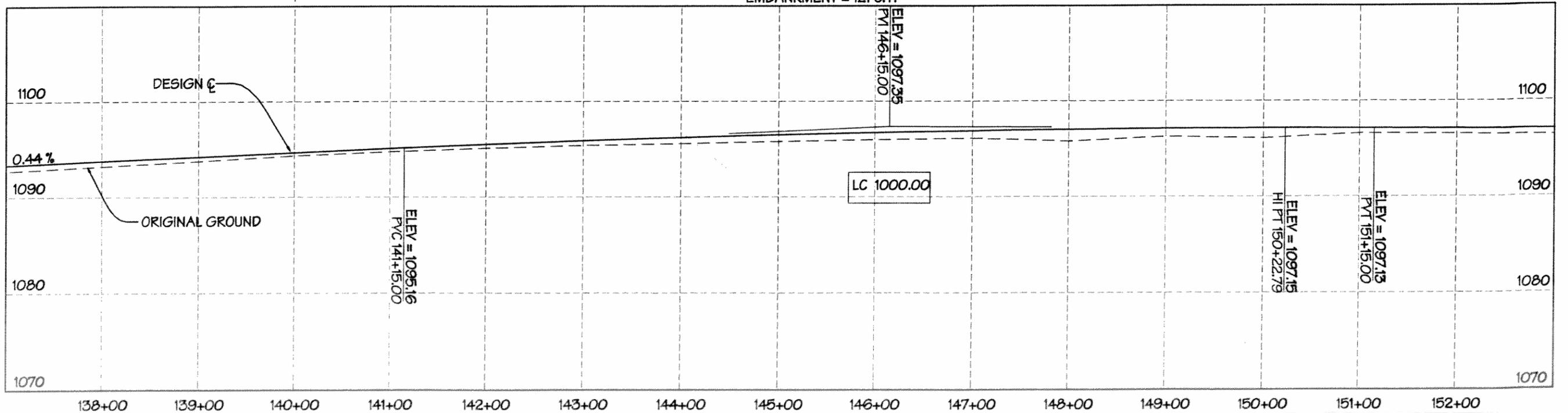
SHEET 12

OF 22

TOWNSHIP 17N., RANGE 24E.W.M.



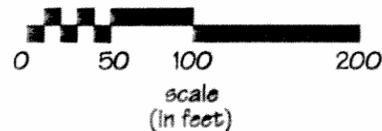
ROADWAY EXCAVATION = 295 C.Y.
EMBANKMENT = 121 C.Y.



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11-SW ROAD RECONSTRUCTION
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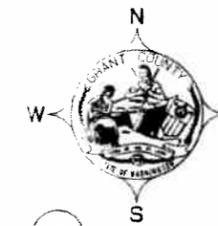


SHEET 13
OF 22

SW SE 1/4
SEC. 27

SE SE 1/4
SEC. 27

TOWNSHIP 17N., RANGE 24E.W.M.



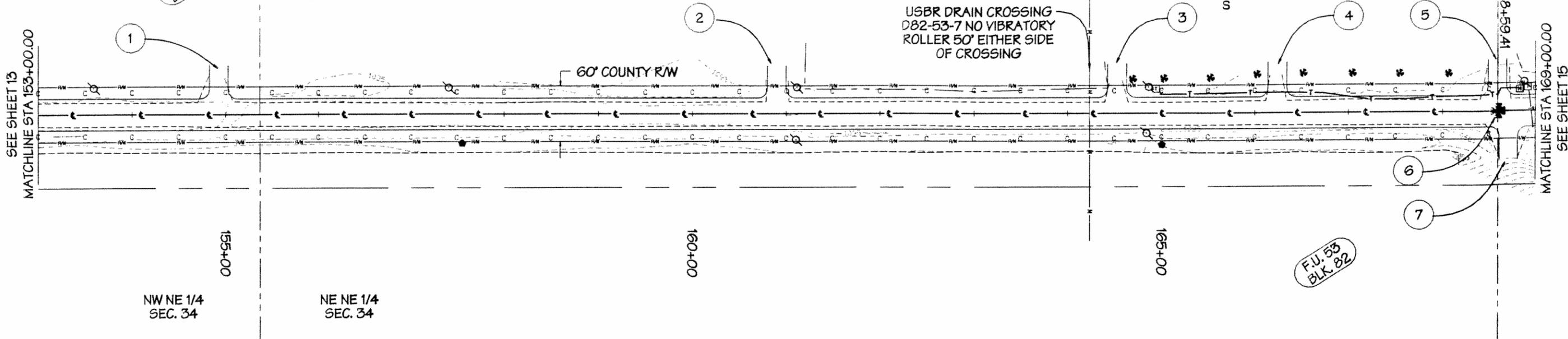
SEE SHEET 13
MATCHLINE STA 153+00.00

MATCHLINE STA 169+00.00
SEE SHEET 15

F.U. 37
BLK. 82

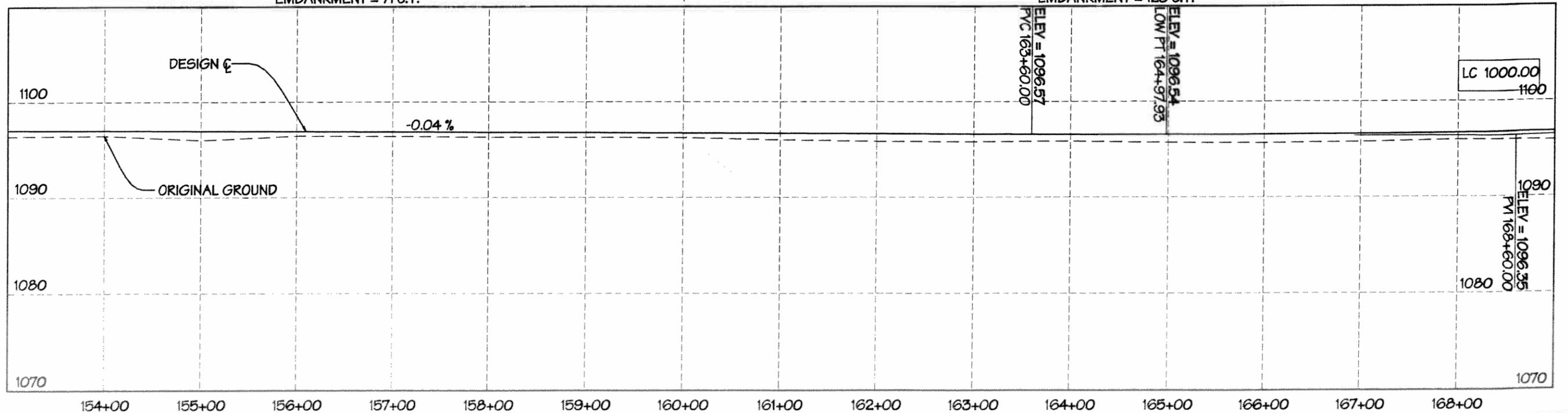
F.U. 38
BLK. 82

F.U. 53
BLK. 82



ROADWAY EXCAVATION = 396 C.Y.
EMBANKMENT = 71 C.Y.

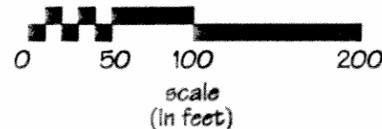
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EMBANKMENT = 123 C.Y.



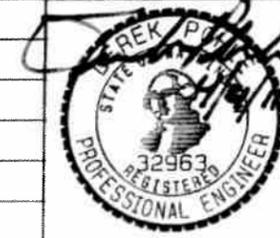
GRANT COUNTY PUBLIC WORKS DEPARTMENT
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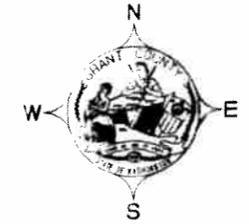


SHEET 14
OF 22

SW SW 1/4
SEC. 26

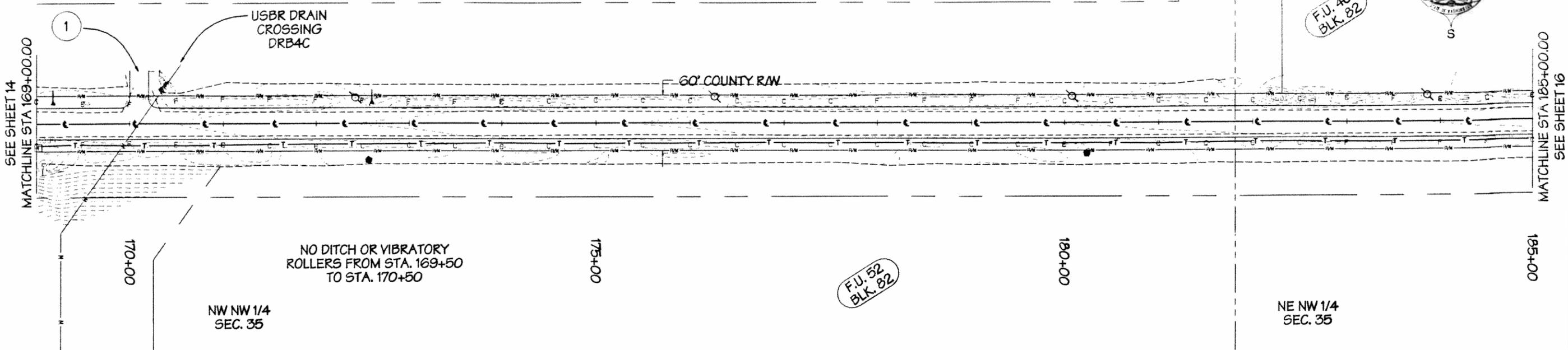
TOWNSHIP 17N., RANGE 24E.W.M.

SE SW 1/4
SEC. 26



F.U. 39
BLK. 82

F.U. 40
BLK. 82

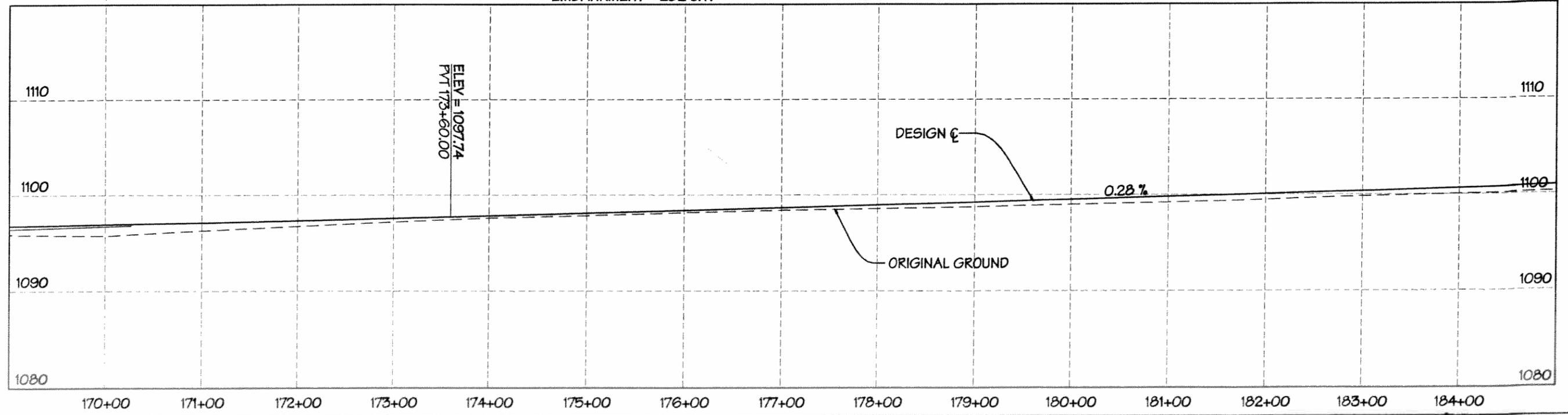


NO DITCH OR VIBRATORY
ROLLERS FROM STA. 169+50
TO STA. 170+50

F.U. 52
BLK. 82

ROADWAY EXCAVATION = 435 C.Y.
EMBANKMENT = 282 C.Y.

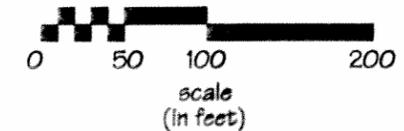
ROADWAY EXCAVATION = 185 C.Y.
EMBANKMENT = 240 C.Y.



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11-SW ROAD RECONSTRUCTION
CRP 10-10



DESIGNED BY: BOB BERSANTI
DRAWN BY: BOB BERSANTI
CHECKED BY: DEREK POHLE
REVISIONS BY: BOB BERSANTI
DATE REVISED: 4-20-2011
RAP PROJECT NO: 1310-01

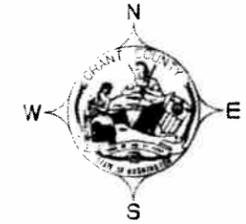


SHEET 15
OF 22

TOWNSHIP 17N., RANGE 24E.W.M.

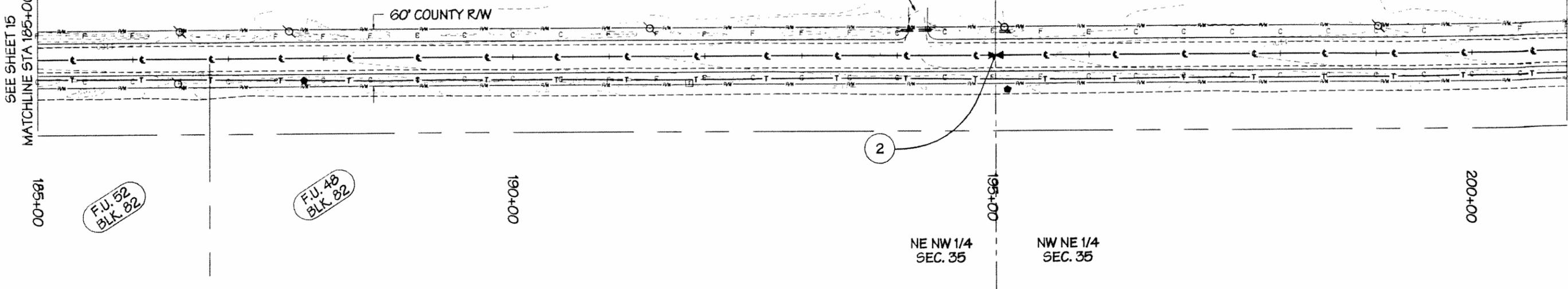
SE SW 1/4
SEC. 26

SW SE 1/4
SEC. 26

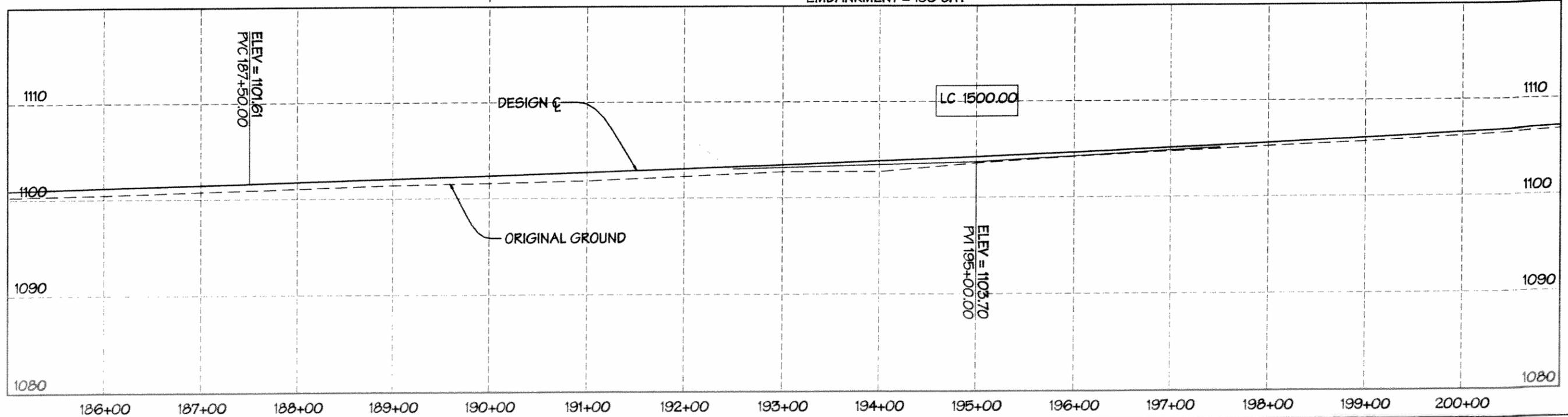


SEE SHEET 15
MATCHLINE STA 185+00.00

MATCHLINE STA 201+00.00
SEE SHEET 17



ROADWAY EXCAVATION = 263 C.Y.
EMBANKMENT = 190 C.Y.

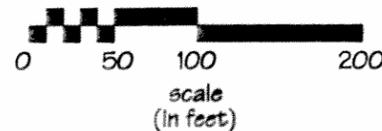


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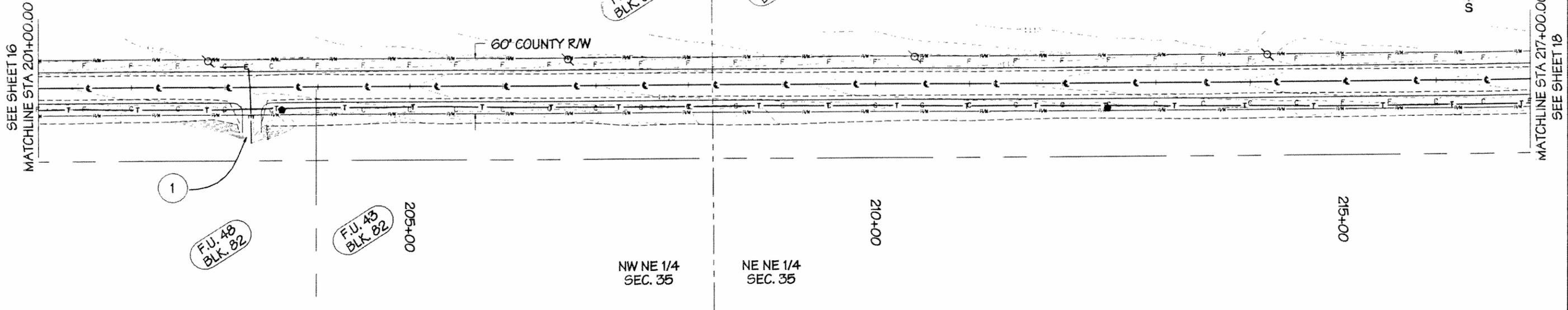
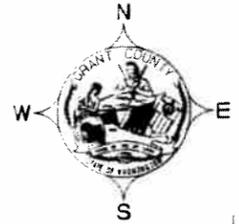


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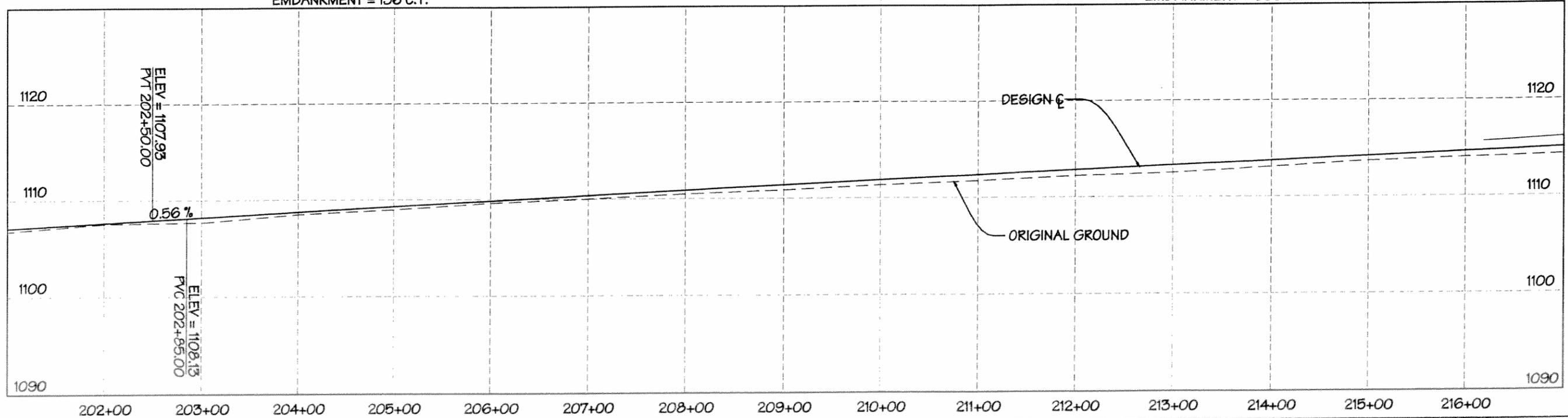
SHEET 16

OF 22



ROADWAY EXCAVATION = 578 C.Y.
EMBANKMENT = 136 C.Y.

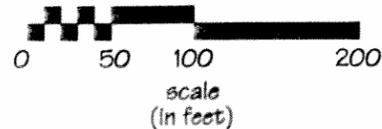
ROADWAY EXCAVATION = 149 C.Y.
EMBANKMENT = 300 C.Y.



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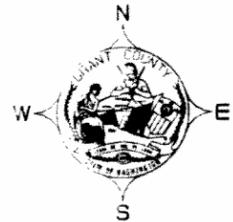


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SHEET 17
OF 22

TOWNSHIP 17N., RANGE 24E.W.M.



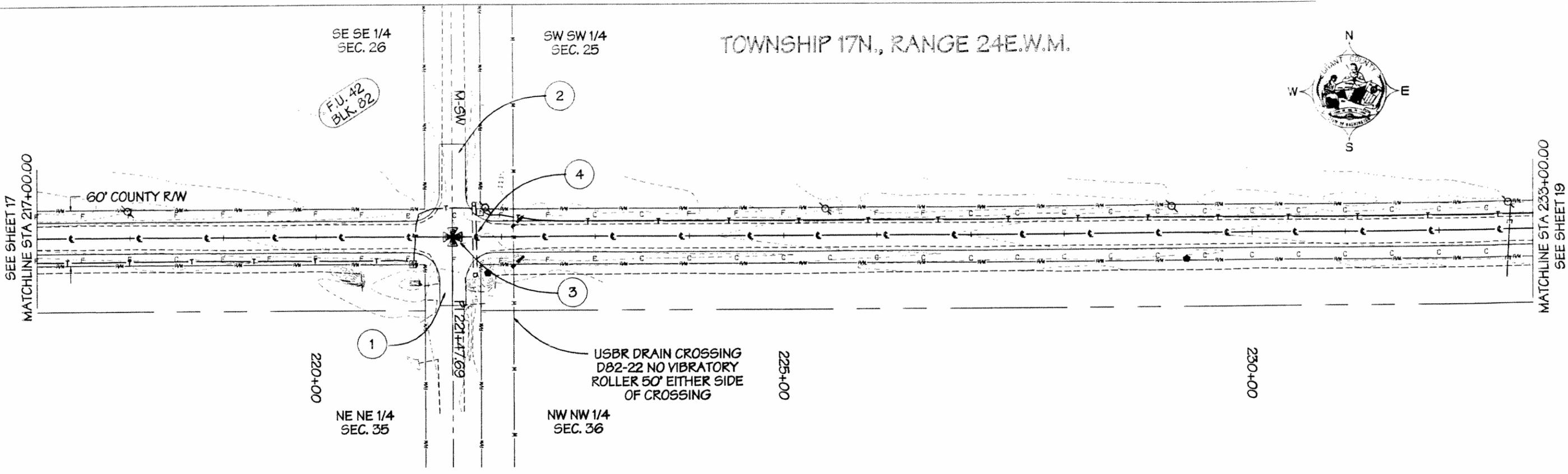
SE SE 1/4
SEC. 26

SW SW 1/4
SEC. 25

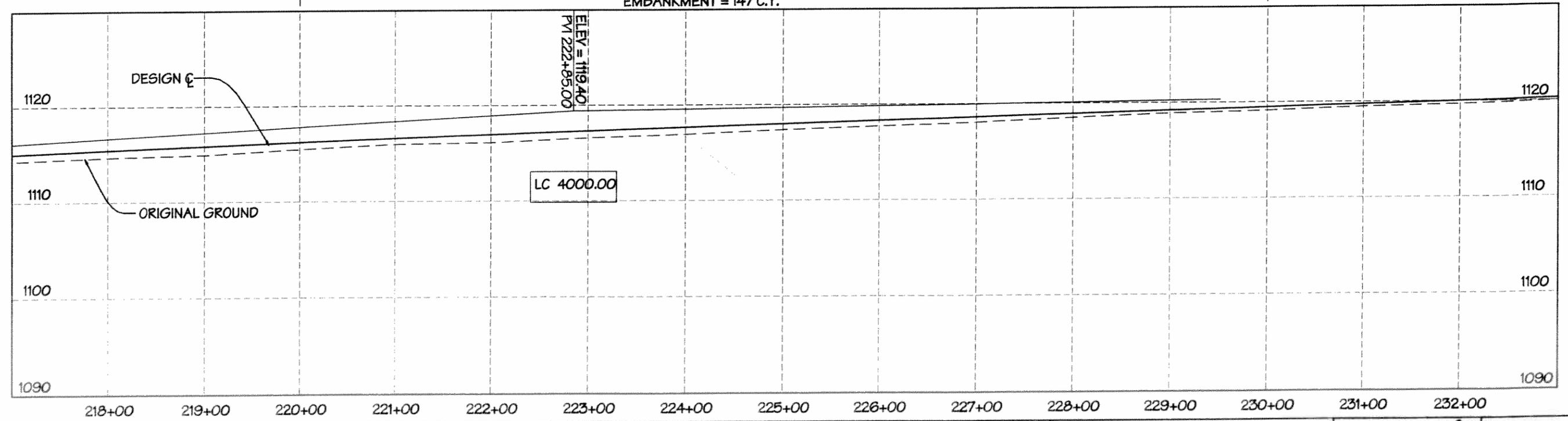
F.U. 42
BLK. 82

SEE SHEET 17
MATCHLINE STA 217+00.00

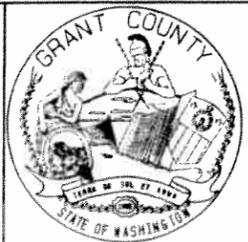
MATCHLINE STA 233+00.00
SEE SHEET 19



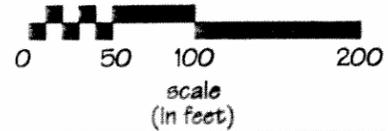
ROADWAY EXCAVATION = 285 C.Y.
EMBANKMENT = 147 C.Y.



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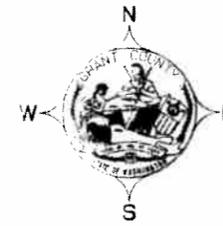
SHEET 18
OF 22

SW SW 1/4
SEC. 25

SE SW 1/4
SEC. 25

TOWNSHIP 17N., RANGE 24E.W.M.

SW SE 1/4
SEC. 25



SEE SHEET 18
MATCHLINE STA 233+00.00

MATCHLINE STA 249+00.00
SEE SHEET 20

60' COUNTY R/W

NW NW 1/4
SEC. 36

235+00

NE NW 1/4
SEC. 36

240+00

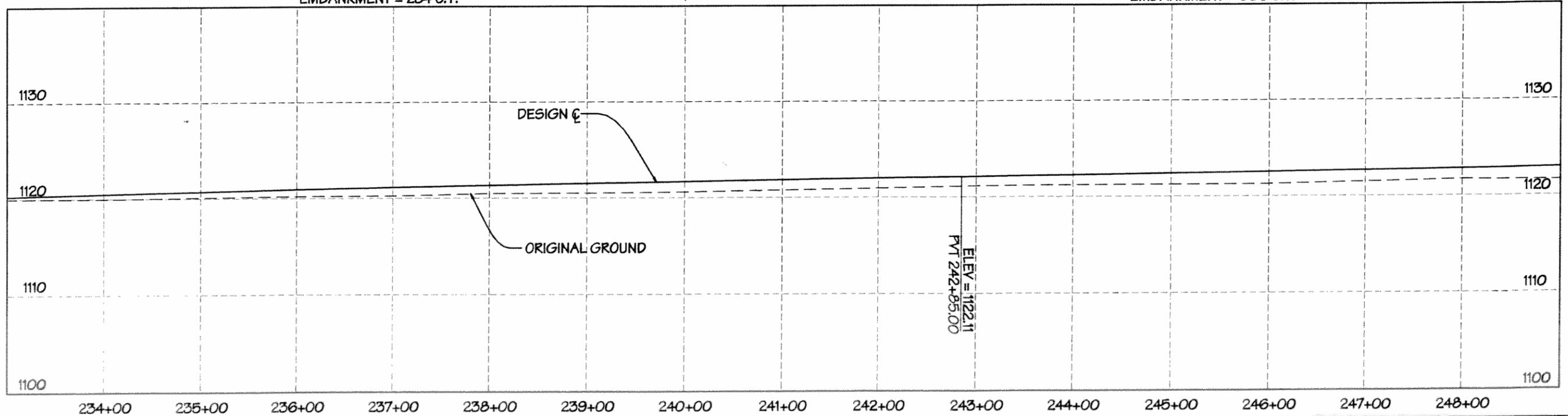
245+00

NW NE 1/4
SEC. 36

PI 247+92.62

ROADWAY EXCAVATION = 261 C.Y.
EMBANKMENT = 234 C.Y.

ROADWAY EXCAVATION = 8 C.Y.
EMBANKMENT = 886 C.Y.

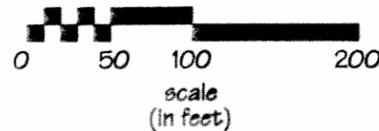


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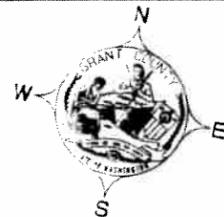
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SHEET 19

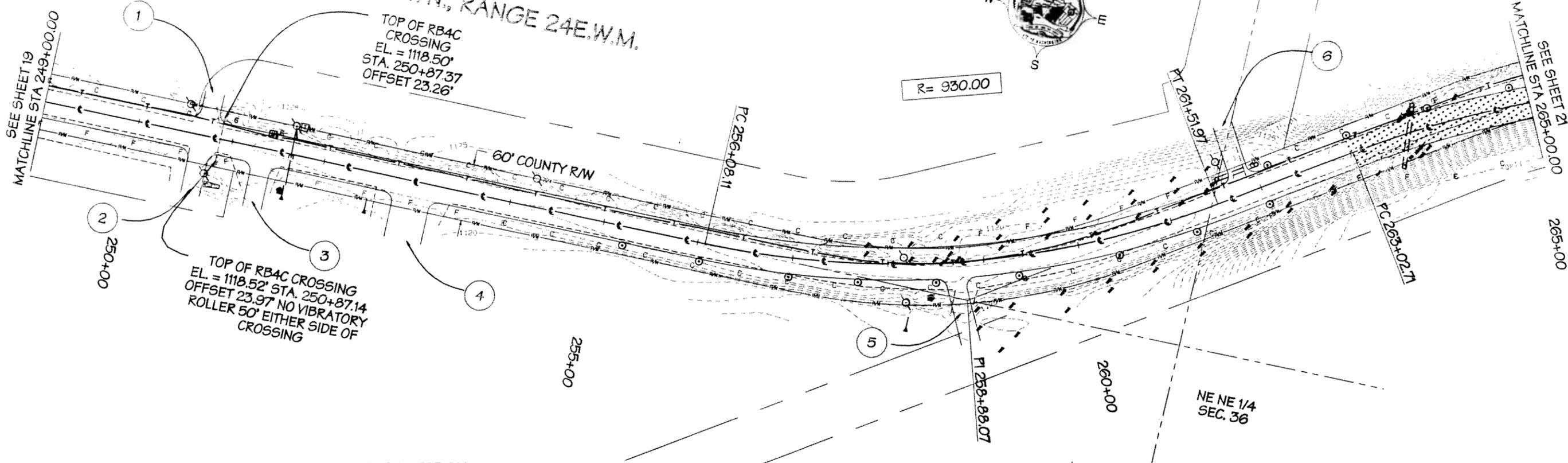
OF 22

TOWNSHIP 17N., RANGE 24E.W.M.

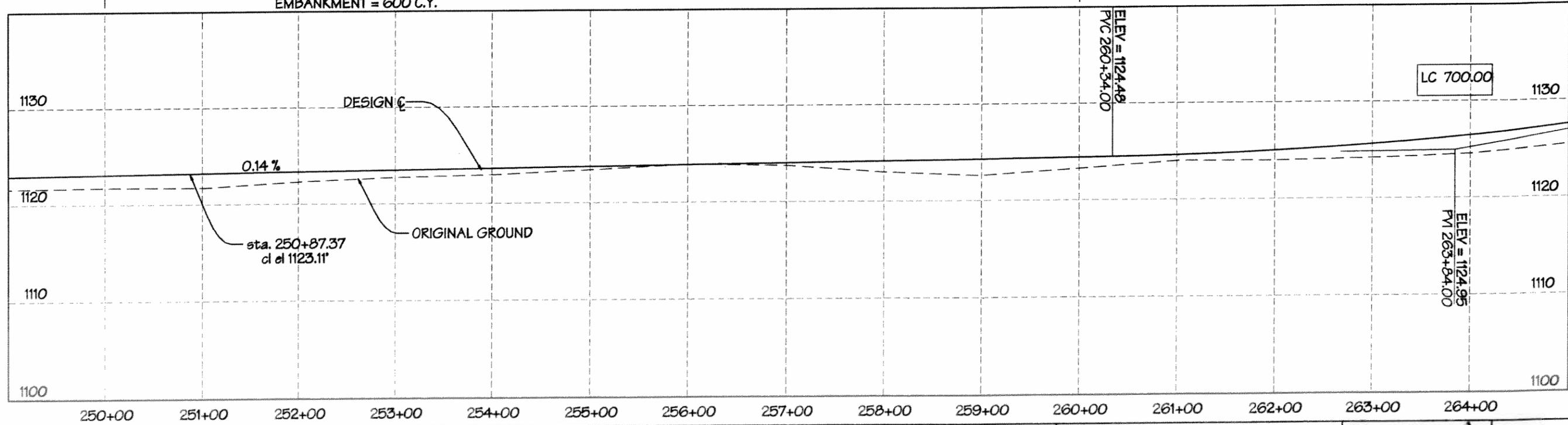


SE SE 1/4
SEC. 25

R = 930.00



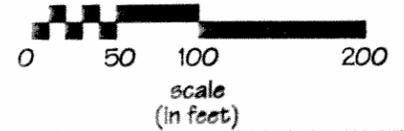
ROADWAY EXCAVATION = 503 C.Y.
EMBANKMENT = 600 C.Y.



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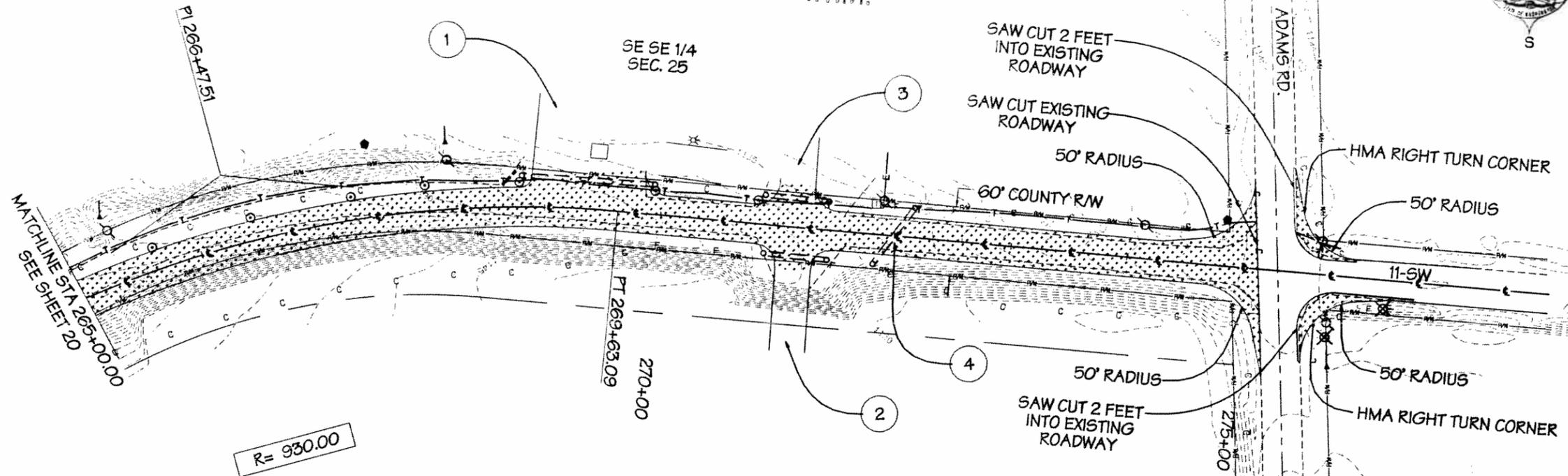
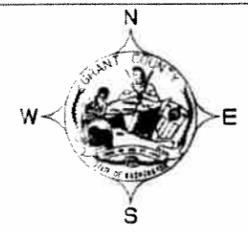


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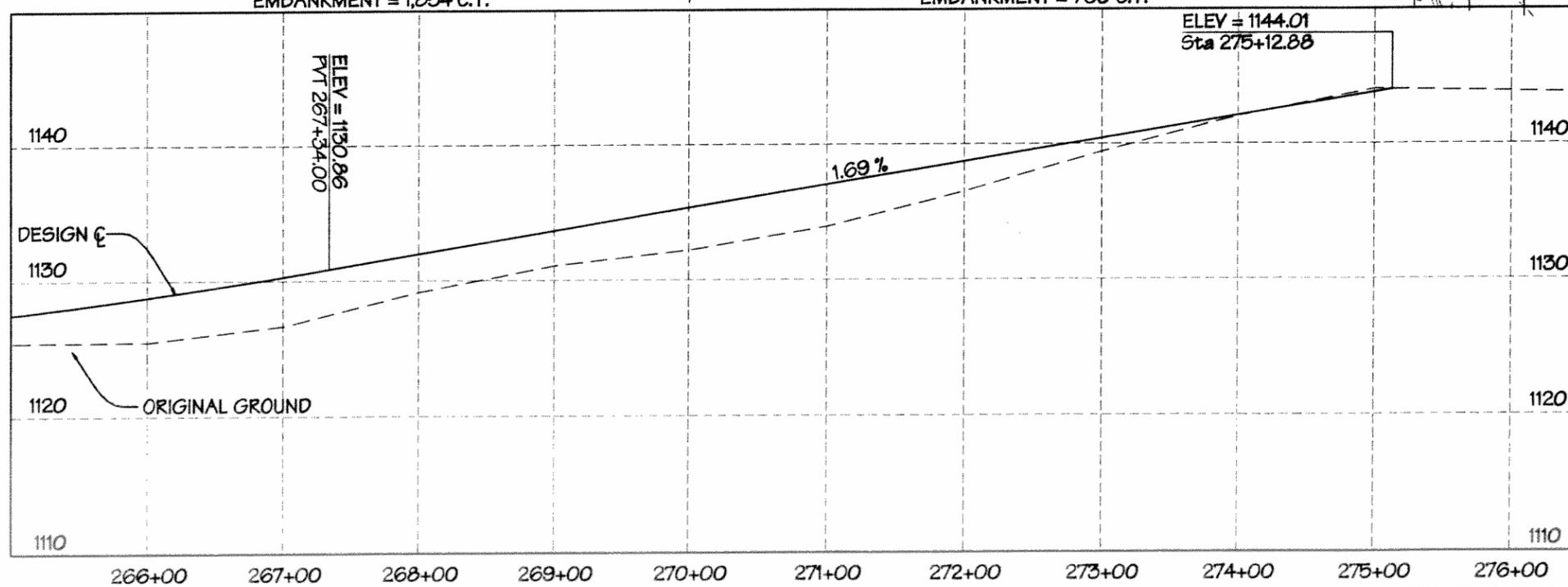
SHEET 20
OF 22

TOWNSHIP 17N., RANGE 24E.W.M.



ROADWAY EXCAVATION = 3,722 C.Y.
EMBANKMENT = 1,854 C.Y.

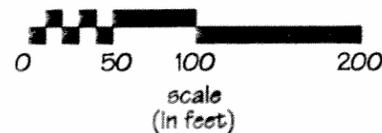
ROADWAY EXCAVATION = 1,044 C.Y.
EMBANKMENT = 760 C.Y.



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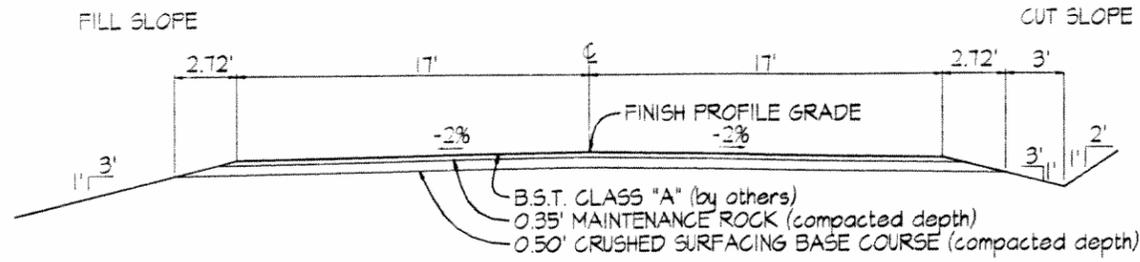


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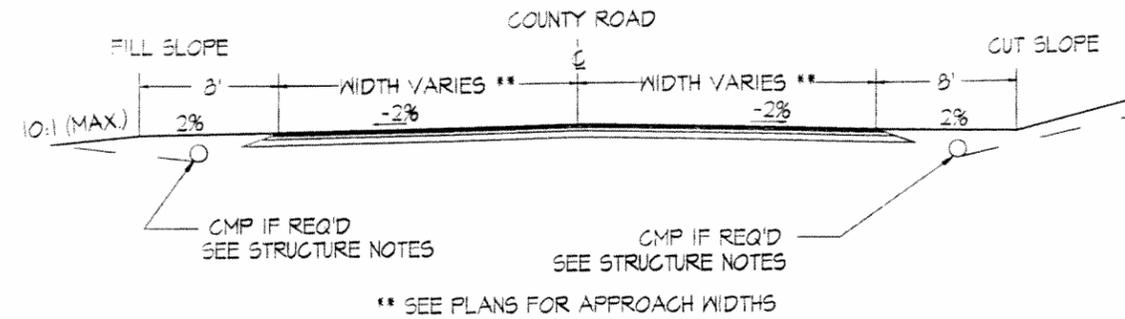
SHEET 21
OF 22

ROADWAY SECTION "A"

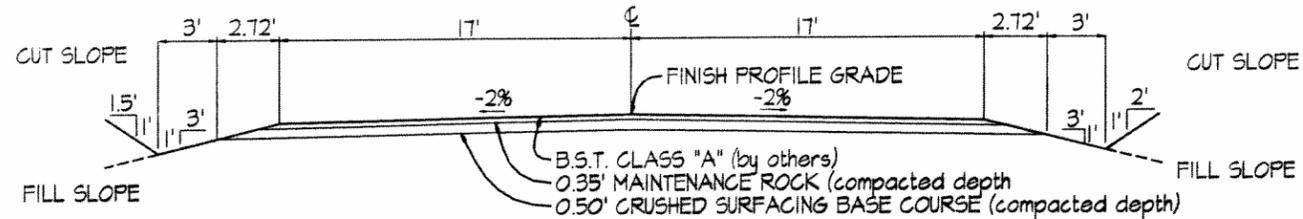


STA. 12+50 TO STA. 49+00
 TRANSITION ROADWAY SECTION "A" STA. 49+00 TO ROADWAY SECTION "B" STA. 50+00
 STA. 54+00 TO STA. 254+00
 TRANSITION ROADWAY SECTION "A" STA. 254+00 TO ROADWAY SECTION "C" STA. 255+00

TYPICAL APPROACH DETAIL

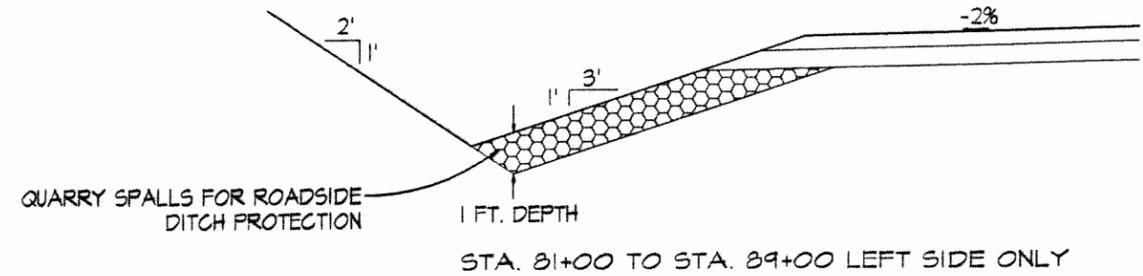


ROADWAY SECTION "B"

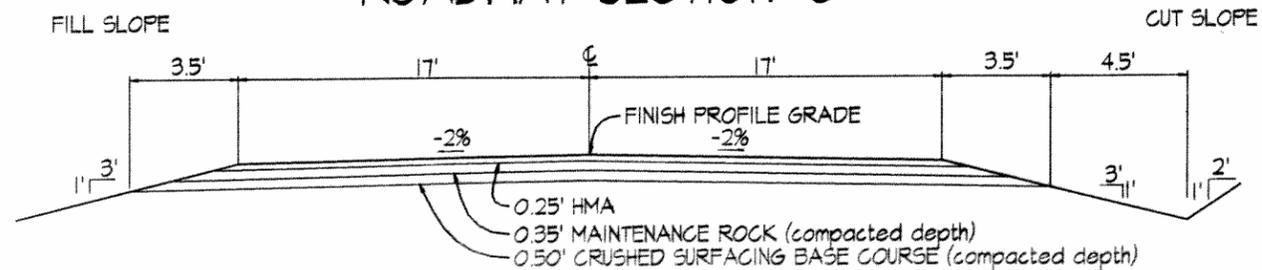


STA 50+00 TO STA. 53+00
 TRANSITION ROADWAY SECTION "B" STA. 53+00 TO ROADWAY SECTION "A" STA. 54+00

QUARRY SPALL DITCH SECTION

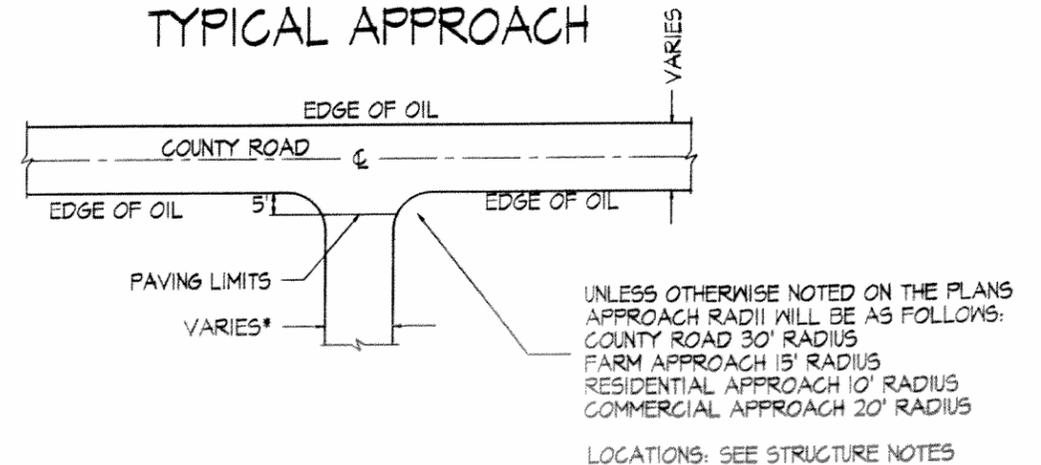


ROADWAY SECTION "C"



MATCH EXISTIN ROADWAY STA. 10+50
 STA. 10+50 TO STA. 12+00
 TRANSITION ROADWAY SECTION "C" STA. 12+00 TO ROADWAY SECTION "A" STA. 12+50
 STA. 255+00 TO STA. 274+00
 TRANSITION ROADWAY SECTION "C" STA. 274+00 TO EXISTING ROADWAY STA. 275+03

TYPICAL APPROACH



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SHEET 22
 OF 22