

# Contract Provisions and Plans

For Construction of:

**SAMISH ISLAND ROAD  
CULVERT REPLACEMENT PROJECT  
#PD30910-2**

SKAGIT COUNTY

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**SAMISH ISLAND ROAD  
CULVERT REPLACEMENT  
PROJECT #PD30910-2**

**SKAGIT COUNTY, WASHINGTON**

**2008**

**SKAGIT COUNTY, WASHINGTON  
DEPARTMENT OF PUBLIC WORKS  
MOUNT VERNON, WASHINGTON 98273-5625**

**NOTICE TO ALL PLAN HOLDERS**

The office of the Project Engineer assigned to this project is located at the Skagit County Public Works, 1800 Continental Place, Mount Vernon, Washington 98273-5625. Telephone: (360) 336-9400. You may receive the bid information electronically; copies of the plans and specifications are available at: <http://www.skagitcounty.net/rfp>

**RECOMMENDED FOR APPROVAL:**



David Walde  
Project Manager

**APPROVED:**



Jeffrey Miller, P.E.  
Assistant County Engineer

## CERTIFICATION

I hereby certify that the Amendments to the Standard Specifications, that are included in this specification for the Samish Island Road Culvert Replacement Project, were prepared by me or under my direct supervision, and that I am an actively registered Professional Engineer under the laws of the State of Washington.



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1 **INTRODUCTION**

2 The following Amendments and Special Provisions shall be used in conjunction with the  
3 2008 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  
8 and 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 **SECTION 1-03, AWARD AND EXECUTION OF CONTRACT**  
16 **APRIL 7, 2008**

17 **1-03.1 CONSIDERATION OF BIDS**

18 This section is supplemented with the following new sub-section.  
19

20 ***1-03.1(1) Tied Bids***

21 After opening Bids, if two or more lowest responsive Bid totals are exactly equal, then  
22 the tie-breaker will be determined by drawing as described in this Section. Two or more  
23 slips of paper will be marked as follows: one marked "Winner" and the other(s) marked  
24 "unsuccessful". The slips will be folded to make the marking unseen. The slips will be  
25 placed inside a box. One authorized representative of each Bidder shall draw a slip  
26 from the box. Bidders shall draw in alphabetic order by the name of the firm as  
27 registered with the Washington State Department of Licensing. The slips shall be  
28 unfolded and the firm with the slip marked "Winner" will be determined to be the  
29 successful Bidder and eligible for Award of the Contract. Only those Bidders that  
30 submitted a Bid total that is exactly equal to the lowest responsive Bid are eligible to  
31 draw.  
32

33 **SECTION 1-04, SCOPE OF THE WORK**  
34 **APRIL 7, 2008**

35 **1-04.4(1) MINOR CHANGES**

36 The first sentence in the first paragraph is revised to read:  
37

38 Payments or credits for changes amounting to \$15,000 or less may be made under the  
39 bid item "Minor Change."

1 **1-04.5 PROCEDURE AND PROTEST BY THE CONTRACTOR**  
2 In the second paragraph, number 2, the reference to 7 calendar days is revised to 14  
3 calendar days.  
4  
5 The second sentence in the fifth paragraph is revised to read:  
6  
7 The determination will be provided within 14-calendar days after receipt of the  
8 Contractor's supplemental written statement (including any additional information  
9 requested by the Project Engineer to support a continuing protest) described in item 2  
10 above.

11  
12 **SECTION 1-05, CONTROL OF WORK**  
13 **APRIL 7, 2008**

14 **1-05.1 AUTHORITY OF THE ENGINEER**

15 The fourth paragraph is revised to read:

16  
17 At the Contractor's risk, the Project Engineer may suspend all or part of the Work  
18 according to Section 1-08.6.  
19

20 **1-05.12 FINAL ACCEPTANCE**

21 The second paragraph is revised to read:

22  
23 The Contractor agrees that neither completion nor final acceptance shall relieve the  
24 Contractor of the responsibility to indemnify, defend, and protect the Contracting Agency  
25 against any claim or loss resulting from the failure of the Contractor (or the  
26 subcontractors or lower tier subcontractors) to pay all laborers, mechanics,  
27 subcontractors, materialpersons, or any other person who provides labor, supplies, or  
28 provisions for carrying out the Work or for any payments required for unemployment  
29 compensation under Title 50 RCW or for industrial insurance and medical aid required  
30 under Title 51 RCW.  
31

32 **SECTION 1-07, LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC**  
33 **APRIL 7, 2008**

34 **1-07.2(2) STATE SALES TAX: WORK ON STATE-OWNED OR PRIVATE LAND**

35 The following new paragraph is inserted in front of the first paragraph:

36  
37 State Department of Revenue Rule 170 and its related rules apply for this section.  
38

39 **1-07.9(1) GENERAL**

40 The following new paragraph is inserted to follow the sixth paragraph:

41  
42 The Contractor shall ensure that any firm (Supplier, Manufacturer, or Fabricator) that  
43 falls under the provisions of RCW 39.12 because of the definition "Contractor" in WAC  
44 296-127-010, complies with all the requirements of RCW 39.12.

1 **1-07.15(1) SPILL PREVENTION, CONTROL AND COUNTERMEASURES PLAN**

2 This section is revised to read:

3  
4 The Contractor shall prepare a project-specific spill prevention, control, and  
5 countermeasures plan (SPCC Plan) that will be used for the duration of the project. The  
6 Contractor shall submit the plan to the Project Engineer no later than the date of the  
7 preconstruction conference. No on-site construction activities may commence until  
8 WSDOT accepts an SPCC Plan for the project.  
9

10 The term “hazardous materials”, as used in this Specification, is defined in Chapter 447  
11 of the WSDOT Environmental Procedures Manual (M31-11). Occupational safety and  
12 health requirements that may pertain to SPCC Plan implementation are contained in but  
13 not limited to WAC 296-824 and WAC 296-843.  
14

15 ***Implementation Requirements***

16 The SPCC Plan shall be updated by the Contractor throughout project construction so  
17 that the written plan reflects actual site conditions and practices. The Contractor shall  
18 update the SPCC Plan at least annually and maintain a copy of the updated SPCC Plan  
19 on the project site. All project employees shall be trained in spill prevention and  
20 containment, and shall know where the SPCC Plan and spill response kits are located  
21 and have immediate access to them.  
22

23 If hazardous materials are encountered or spilled during construction, the Contractor  
24 shall do everything possible to control and contain the material until appropriate  
25 measures can be taken. The Contractor shall supply and maintain spill response kits of  
26 appropriate size within close proximity to hazardous materials and equipment.  
27

28 The Contractor shall implement the spill prevention measures identified in the SPCC  
29 Plan before performing any of the following:

- 30
- 31 1. Placing materials or equipment in staging or storage areas.
  - 32 2. Refueling, washing, or maintaining equipment.
  - 33 3. Stockpiling contaminated materials.
- 34

35 ***SPCC Plan Element Requirements***

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

- 37
- 38 1. Responsible Personnel  
39 Identify the name(s), title(s), and contact information for the personnel  
40 responsible for implementing and updating the plan, including all spill  
41 responders.  
42
  - 43 2. Spill Reporting  
44 List the names and telephone numbers of the federal, State, and local  
45 agencies the Contractor shall notify in the event of a spill.  
46
  - 47 3. Project and Site Information  
48 Describe the following items:  
49  
50 A. The project Work.  
51  
52 B. The site location and boundaries.

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- 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.
- D. Decontamination location and procedure for equipment that comes into contact with the material.
- E. Disposal procedures.

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 documents. Identify equipment and work practices that will be used to prevent the release of contamination.

6. Spill Prevention and Response Training

Describe how and when all personnel (including refueling contractors and Subcontractors) will be trained in spill prevention, containment and response in accordance with the Plan. Describe how and when all spill responders will be trained in accordance with WAC 296-824.

7. Spill Prevention

Describe the following items:

- A. Spill response kit contents and location(s).
- B. Security measures for potential spill sources.
- C. Secondary containment practices and structures for hazardous materials.
- D. Methods used to prevent stormwater from contacting hazardous materials.
- E. Site inspection procedures and frequency.
- F. Equipment and structure maintenance practices.

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G. Daily inspection and cleanup procedures that ensure all equipment used below the ordinary high water line is free of all external petroleum based products.

H. Refueling procedures for equipment that cannot be moved from below the ordinary high water line.

8. Spill Response

Outline the response procedures the Contractor will follow for each scenario listed below. Include a description of the actions the Contractor shall take and the specific, on-site, spill response equipment that shall be used to assess the spill, secure the area, contain and eliminate the spill source, and clean up and dispose of spilled and contaminated material.

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

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

9. Project Site Map

Provide a map showing the following items:

- A. Site location and boundaries.
- B. Site access roads.
- C. Drainage pathways from the site.
- D. Nearby waterways and sensitive areas.
- E. Hazardous materials, equipment, and decontamination areas identified in 4, above.
- F. Pre-existing contamination or contaminant sources described in 5, above.

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G. Spill prevention and response equipment described in 7 and 8, above.

10. Spill Report Forms

Provide a copy of the spill report form(s) that the Contractor will use in the event of a release or spill.

**Payment**

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

“SPCC Plan”, lump sum.

When the written SPCC is accepted by WSDOT, the Contractor shall receive 50-percent of the lump sum Contract price for the plan.

The remaining 50-percent of the lump sum price will be paid after the materials and equipment called for in the plan are mobilized to the project.

The lump sum payment for “SPCC Plan” shall be full pay for:

1. All costs associated with creating the accepted SPCC Plan.
2. All costs associated with providing and maintaining the on-site spill prevention equipment described in the accepted SPCC Plan.
3. All costs associated with providing and maintaining the on-site standby spill response equipment and materials described in the accepted SPCC Plan.
4. All costs associated with implementing the spill prevention measures identified in the accepted SPCC Plan.
5. All costs associated with updating the SPCC Plan as required by this Specification.

As to other costs associated with releases or spills, the Contractor may request payment as provided for in the Contract. No payment shall be made if the release or spill was caused by or resulted from the Contractor’s operations, negligence, or omissions.

**1-07.17(2) UTILITY CONSTRUCTION, REMOVAL OR RELOCATION BY OTHERS**

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

If the Contract provides notice that utility work (including furnishing, adjusting, relocating, replacing, or constructing utilities) will be performed by others during the prosecution of the Work, the Special Provisions will establish the utility owners anticipated completion.

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

When others delay the Work through late performance of utility work, the Contractor shall adhere to the requirements of Section 1-04.5.

1 **SECTION 1-08, PROSECUTION AND PROGRESS**  
2 **APRIL 7, 2008**

3 **1-08.3(2)A TYPE A PROGRESS SCHEDULE**

4 This section is revised to read:

5  
6 The Contractor shall submit five copies of a Type A Progress Schedule no later than 10  
7 days after the date the contract is executed, or some other mutually agreed upon  
8 submittal time. The schedule may be a critical path method (CPM) schedule, bar chart,  
9 or other standard schedule format. Regardless of which format used, the schedule shall  
10 identify the critical path. The Engineer will evaluate the Type A Progress Schedule and  
11 approve or return the schedule for corrections within 15 calendar days of receiving the  
12 submittal.

13  
14 **1-08.5 TIME FOR COMPLETION**

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

16  
17 A nonworking day is defined as a Saturday, a Sunday, a whole or half day on which the  
18 Contract specifically prohibits Work on the critical path of the Contractor's approved  
19 progress schedule, or one of these holidays: January 1, the third Monday of January,  
20 the third Monday of February, Memorial Day, July 4, Labor Day, November 11,  
21 Thanksgiving Day, the day after Thanksgiving, and Christmas Day.

22  
23 **1-08.6 SUSPENSION OF WORK**

24 The first paragraph is revised to read:

25  
26 The Engineer may order suspension of all or any part of the Work if:

- 27  
28 1. Unsuitable weather that prevents satisfactory and timely performance of the  
29 Work; or  
30  
31 2. The Contractor does not comply with the Contract: or  
32  
33 3. It is in the public interest.

34  
35 **1-08.7 MAINTENANCE DURING SUSPENSION**

36 The first sentence in the fourth paragraph is revised to read:

37  
38 If the Engineer determines that the Contractor has pursued the Work diligently before  
39 the suspension, then the Contracting Agency will maintain the temporary Roadway (and  
40 bear its cost).

41  
42 The fifth paragraph is revised to read:

43  
44 The Contractor shall protect and maintain all other Work in areas not used by traffic. All  
45 costs associated with protecting and maintaining such Work shall be the responsibility of  
46 the Contractor, except those costs associated with implementing the TESC Plan  
47 according to Section 8-01.

1 The seventh paragraph is revised to read:

2

3 After any suspension, the Contractor shall resume all responsibilities the Contract  
4 assigns for the Work.

5

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

7 **APRIL 7, 2008**

8 **1-09.9 PAYMENTS**

9 The first paragraph is supplemented with the following:

10

11 For items Bid as lump sum, the Contractor shall submit a breakdown of their lump sum  
12 price in sufficient detail for the Project Engineer to determine the value of the Work  
13 performed on a monthly basis. Lump sum breakdowns shall be provided to the Project  
14 Engineer no later than the date of the preconstruction meeting.

15

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

17

18 Unless otherwise provided in the payment clause of the applicable Specifications, partial  
19 payment for lump sum Bid items will be a percentage of the price in the Proposal based  
20 on the Project Engineer's determination of the amount of Work performed, with  
21 consideration given to but not exclusively based on the Contractors lump sum  
22 breakdown.

23

24 The third paragraph is supplemented with the following:

25

26 The determination of payments under the contract will be final in accordance with  
27 Section 1-05.1.

28

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

30 **JANUARY 7, 2008**

31 **1-10.5(1) LUMP SUM BID FOR PROJECT (NO UNIT ITEMS)**

32 This section is revised to read:

33

34 "Project Temporary Traffic Control", lump sum.

35

36 The lump sum Contract payment shall be full compensation for all costs incurred by the  
37 Contractor in performing the Contract Work defined in Section 1-10, except for costs  
38 compensated by Bid Proposal items inserted through Contract Provisions as described  
39 in Section 1-10.4(3).

40

41 **SECTION 2-02, REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

42 **APRIL 7, 2008**

43 **2-02.3(3) REMOVAL OF PAVEMENT, SIDEWALKS, CURBS, AND GUTTERS**

44 The first sentence in 3. is supplemented with the following:

45

46 For removal of bituminous pavement, asphalt planing equipment may be used in lieu of  
47 sawcutting provided that a clean vertical edge remains.

1 **SECTION 2-03, ROADWAY EXCAVATION AND EMBANKMENT**  
2 **JANUARY 7, 2008**

3 **2-03.1 DESCRIPTION**

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

5

6 The Work described in this section, regardless of the nature or type of the materials  
7 encountered, includes excavating and grading the Roadway, excavating in borrow pits,  
8 excavating below grade, excavating channels and ditches, removing slide material, and  
9 disposing of all excavated material.

10

11 **2-03.3(3) EXCAVATION BELOW GRADE**

12 The section title is revised to read:

13

14 **2-03.3(3) Excavation Below Subgrade**

15

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

17

18 **Compaction.** If the density of the natural earth under any area of the Roadway is  
19 less than that required in Section 2-03.3(14)C, Method B, the Engineer may order  
20 the Contractor to perform any or all of the following:

21

22 **2-03.3(14)M EXCAVATION OF CHANNELS**

23 This section including title is revised to read:

24

25 **2-03.3(14)M Excavation of Channels and Ditches**

26 Channel Excavation: Open excavations 8-feet or more wide at the bottom, but excludes  
27 channels that are part of the Roadway.

28

29 Ditch Excavation: Open excavations less than 8-feet wide at the bottom, but excludes  
30 ditches that are part of the Roadway.

31

32 Before excavating channels or ditches, the Contractor shall clear and grub the area in  
33 accordance with Section 2-01.

34

35 **2-03.4 MEASUREMENT**

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

37

38 Roadway excavation, channel excavation, ditch excavation, unsuitable foundation  
39 excavation, and common borrow items will be measured by the cubic yard.

40

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

42

43 For Roadway excavation, channel excavation and ditch excavation items, the original  
44 ground will be compared with the planned finished section shown in the Plans.

45

46 **2-03.5 PAYMENT**

47 The first paragraph is supplemented with the following:

48

49 "Channel Excavation", per cubic yard.

50 "Channel Excavation Incl. Haul", per cubic yard.

1 "Ditch Excavation", per cubic yard.  
2 "Ditch Excavation Incl. Haul", per cubic yard.  
3

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

5  
6 The unit Contract price per cubic yard for "Roadway Excavation", "Roadway Excavation  
7 Incl. Haul", "Roadway Excavation – Area \_\_\_", "Roadway Excavation Incl. Haul – Area  
8 \_\_\_", "Channel Excavation", "Channel Excavation Incl. Haul", "Ditch Excavation" and  
9 "Ditch Excavation Incl. Haul" shall be full compensation for all costs incurred for  
10 excavating, loading, placing, or otherwise disposing of the material.  
11

12 The second paragraph is supplemented with the following:

13  
14 When a bid item is not included in the proposal for channel excavation or ditch  
15 excavation all costs shall be included in roadway excavation.  
16

17 The third paragraph is revised to read:

18  
19 When the Engineer orders Work according to Section 2-03.3(3), unit Contract prices  
20 shall apply, unless the Work differs materially from the excavation above Subgrade,  
21 then payment will be in accordance with Section 1-04.4.  
22

23 **SECTION 2-10, DITCH EXCAVATION**  
24 **JANUARY 7, 2008**

25 This section is deleted in its entirety. The section title is revised to read:

26  
27 **2-10 VACANT**  
28

29 **SECTION 5-04, HOT MIX ASPHALT**  
30 **APRIL 7, 2008**

31 **5-04.3(12)B LONGITUDINAL JOINTS**

32 The first two paragraphs are revised to read:

33  
34 The longitudinal joint in any 1 course shall be offset from the course immediately below  
35 by not more than 6-inches nor less than 2-inches. All longitudinal joints constructed in  
36 the wearing course shall be located at a lane line or an edge line of the Traveled Way.  
37

38 On one-lane ramps a longitudinal joint may be constructed at the center of the traffic  
39 lane, subject to approval by the Project Engineer, if:

- 40  
41 1. The ramp must remain open to traffic, or  
42  
43 2. The ramp is closed to traffic and a hot-lap joint is constructed.  
44  
45 a. If a hot-lap joint is allowed at the center of the traffic lane, 2 paving  
46 machines shall be used; a minimum compacted density in accordance  
47 with Section 5-04.3(10)B shall be achieved throughout the traffic lane; and  
48 construction equipment other than rollers shall not operate on any  
49 uncompacted mix.

1 The reference to Standard Plan A-1 in the third paragraph is revised to read "Standard Plan  
2 A40.10-00."

3  
4 **5-04.3(21) ASPHALT BINDER REVISION**

5 This section is revised to read:

6  
7 When the Contracting Agency provides a source of aggregate, the expected percentage  
8 content of asphalt binder in the resulting mix will be identified in the Contract  
9 documents.

10  
11 Should the percentage of asphalt binder shown in the job mix formula for Hot Mix  
12 Asphalt produced with Agency-provided aggregate vary by more than plus or minus 0.3-  
13 percent from the amount shown in the Contract documents, an adjustment in payment  
14 will be made. The adjustment in payment (plus or minus) will be based on the invoice  
15 unit cost, including shipping cost, without any markups. The quantity subject to an  
16 adjustment shall be the difference between the JMF asphalt binder percentage and the  
17 contract document asphalt binder percentage except that the first 0.3% of this difference  
18 shall not apply. No adjustment will be made when the Contractor elects not to use a  
19 Contracting Agency-provided source, or when no source is made available by the  
20 Contracting Agency.

21  
22 **SECTION 8-15, RIPRAP**  
23 **APRIL 7, 2008**

24 **8-15.3(1) EXCAVATION FOR RIPRAP**

25 The second sentence of the first paragraph is revised to read:

26  
27 Excavation below the level of the intersection of the slope to be protected and the  
28 adjacent original ground or the channel floor or slope shall be classified, measured, and  
29 paid for as channel excavation or ditch excavation in accordance with Section 2-03.

30  
31 **8-15.4 MEASUREMENT**

32 The following new paragraph is inserted to follow the fifth paragraph.

33  
34 Channel excavation will be measured by the cubic yard as specified in Section 2-03.

35  
36 The sixth paragraph is revised to read:

37  
38 Ditch excavation will be measured by the cubic yard as specified in Section 2-03.

39  
40 The reference to Section 2-10 in the seventh paragraph is revised to Section 2-03.

41  
42 **8-15.5 PAYMENT**

43 The bid item "Filter Blanket" is supplemented with the following:

44  
45 The unit price for "Filter Blanket" shall be full payment for all costs incurred to perform  
46 the work in Section 8-15.3(7).

47  
48 This section is supplemented with the following:

49  
50 "Channel Excavation", per cubic yard.

51 "Channel Excavation Incl. Haul", per cubic yard.

1 "Ditch Excavation Incl. Haul", per cubic yard.  
2 Payment for "Channel Excavation", "Channel Excavation Incl. Haul", "Ditch Excavation"  
3 and "Ditch Excavation Incl. Haul" is described in Section 2-03.5.  
4

5 **SECTION 9-09, TIMBER AND LUMBER**  
6 **JANUARY 7, 2008**

7 **9-09.2(3) INSPECTION**

8 This section including title is revised to read:  
9

10 **9-09.2(3) Sign Posts, Mileposts, Sawed Fence Posts, and Mailbox Posts**

11 The allowable species of timber and lumber for signposts, and mileposts shall be  
12 Douglas Fir-Larch or Hem Fir. Timber and lumber for sawed fence posts and mailbox  
13 posts shall be Western Red Cedar, Douglas Fir-Larch, or Hem Fir.  
14

15 Sign posts, mileposts, sawed fence posts, and mailbox posts shall conform to the  
16 grades shown below.  
17

4" x 4"	Construction grade (Light Framing, Section 122-b WCLIB) or (Section 40.11 WWPA)
4" x 6"	No. 1 and better, grade (Structural Joists and Planks, Section 123-b WCLIB) or (Section 62.11 WWPA)
6" x 6", 6" x 8", 8" x 10"	No. 1 and better, grade (Posts and Timbers, Section 131-b WCLIB) or (Section 80.11 WWPA)
6" x 10", 6" x 12"	No. 1 and better, grade (Beams and Stringers, Section 130-b WCLIB) or (Section 70.11 WWPA)

1 **SPECIAL PROVISIONS**

2

3 The following Special Provisions are made a part of this contract and supersede any  
4 conflicting provisions of the 2008 Standard Specifications for Road, Bridge and Municipal  
5 Construction and the foregoing Amendments to the Standard Specifications.

6

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

9

10	(date)	General Special Provision
11	(*****)	Notes a revision to a General Special Provision
12	(Regions <sup>1</sup> date)	Region Special Provision
13	(BSP date)	Bridges and Structures Special Provision
14	(APWA GSP)	Local Agency General Special Provision, which has been 15 approved by the APWA Div. 1 Subcommittee.
16	(date) Sk. Co.	Skagit County General Special Provision and also notes a 17 Project Specific Special Provision

18

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

22

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

25

26	<u>Regions<sup>1</sup></u>	
27	ER	Eastern Region
28	NCR	North Central Region
29	NWR	Northwest Region
30	OR	Olympic Region
31	SCR	South Central Region
32	SWR	Southwest Region
33		
34	WSF	Washington State Ferries Division

35

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

40

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

43

44 **Skagit County General Special Provisions** are only applicable in Skagit County Public  
45 Works contracts.

**DIVISION 1  
GENERAL REQUIREMENTS**

**DESCRIPTION OF WORK**

(March 13, 1995)

This contract provides for the improvement of Samish Island Road and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

This project replaces a failing galvanized steel culvert that is installed under Samish Island Road at milepost #0.25 with a new galvanized Multi-Plate Pipe-Arch culvert supplied by Skagit County. The project will include pre-excavation dewatering, installing temporary coffer dams within the ditch upstream and downstream of the project, excavation dewatering, saw cutting and removal of existing asphalt pavement, maintenance of the existing detour route, removal and transportation of existing jersey barrier sections to the WSDOT Storage Yard (1.3 miles East of Interstate 5 on State Route 534, across from Hermway Heights Road), and the removal and disposal of the existing corrugated metal culvert.

Installation of the new culvert will include but may not be limited to: providing the necessary equipment and labor to move the County supplied culvert from its current location at the Skagit County Burlington Road Maintenance Shop, to the site on Samish Island Road, excavation to install the specified base material for the new culvert, installation of the new culvert, backfill with specified material in approved lifts compacted per plans and specs, of the maximum density as determined by the compaction control tests described in Section 2-03.3(14)D, and the placement of a rock headwall at each end of the culvert.

Restoration of Samish Island Road will include: placement of gravel borrow compacted to 95% of maximum density, placement of crushed top course compacted to 95% of the maximum density, placement of 3-inches of ½" HMA, striping of the restored pavement, and restoration of the shoulder and right of way per plans and specifications.

**DEFINITIONS AND TERMS**

**1-01.3 Definitions**

(May 25, 2006 APWA GSP)

This Section is supplemented with the following:

All references in the Standard Specifications to the terms "State", "Department of Transportation", "Washington State Transportation Commission", "Commission", "Secretary of Transportation", "Secretary", "Headquarters", and "State Treasurer" shall be revised to read "Contracting Agency".

All references to "State Materials Laboratory" shall be revised to read "Contracting Agency designated location".

The venue of all causes of action arising from the advertisement, award, execution, and performance of the contract shall be in the Superior Court of the County where the Contracting Agency's headquarters are located.

1           **Additive**  
2           A supplemental unit of work or group of bid items, identified separately in the  
3           proposal, which may, at the discretion of the Contracting Agency, be awarded in  
4           addition to the base bid.  
5  
6           **Alternate**  
7           One of two or more units of work or groups of bid items, identified separately in the  
8           proposal, from which the Contracting Agency may make a choice between different  
9           methods or material of construction for performing the same work.  
10  
11          **Contract Documents**  
12          See definition for “Contract”.  
13          **Contract Time** The period of time established by the terms and conditions of the  
14          contract within which the work must be physically completed.  
15  
16          **Dates**  
17          ***Bid Opening Date***  
18          The date on which the Contracting Agency publicly opens and reads the bids.  
19          ***Award Date***  
20          The date of the formal decision of the Contracting Agency to accept the lowest  
21          responsible and responsive bidder for the work.  
22          ***Contract Execution Date***  
23          The date the Contracting Agency officially binds the agency to the contract.  
24          ***Notice to Proceed Date***  
25          The date stated in the Notice to Proceed on which the contract time begins.  
26          ***Substantial Completion Date***  
27          The day the Engineer determines the Contracting Agency has full and unrestricted  
28          use and benefit of the facilities, both from the operational and safety standpoint,  
29          and only minor incidental work, replacement of temporary substitute facilities, or  
30          correction or repair remains for the physical completion of the total contract.  
31          ***Physical Completion Date***  
32          The day all of the work is physically completed on the project. All documentation  
33          required by the contract and required by law does not necessarily need to be  
34          furnished by the Contractor by this date.  
35          ***Completion Date***  
36          The day all the work specified in the contract is completed and all the obligations of  
37          the Contractor under the contract are fulfilled by the Contractor. All documentation  
38          required by the contract and required by law must be furnished by the Contractor  
39          before establishment of this date.  
40          ***Final Acceptance Date***  
41          The date on which the Contracting Agency accepts the work as complete.  
42  
43          **Notice of Award**  
44          The written notice from the Contracting Agency to the successful bidder signifying  
45          the Contracting Agency’s acceptance of the bid.  
46  
47          **Notice to Proceed**  
48          The written notice from the Contracting Agency or Engineer to the Contractor  
49          authorizing and directing the Contractor to proceed with the work and establishing  
50          the date on which the contract time begins.

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**Traffic**

Both vehicular and non-vehicular traffic, such as pedestrians, bicyclists, wheelchairs, and equestrian traffic.

**BID PROCEDURES AND CONDITIONS**

**1-02.1 Prequalification of Bidders**

Delete this Section and replace it with the following:

**1-02.1 Qualifications of Bidder**

(October 1, 2005 APWA GSP)

Bidders shall be qualified by experience, financing, equipment, and organization to do the work called for in the Contract Documents. The Contracting Agency reserves the right to take whatever action it deems necessary to ascertain the ability of the bidder to perform the work satisfactorily.

**PLANS AND SPECIFICATIONS**

(10/31/06) Sk. Co.

Section 1-02.2 is revised to read:

After award of the contract, plans and specifications will be issued to the Contractor at no cost as detailed below:

To Prime Contractor	No. of Sets	Basis of Distribution
Reduced plans (11" x 17") and Contract Provisions	3	Furnished automatically upon award.
Large plans (22" x 34") and Contract Provisions	1	Furnished only upon request.

**1-02.5 PROPOSAL FORMS**

(October 1, 2005 APWA GSP)

Delete this section and replace it with the following:

At the request of a bidder, the Contracting Agency will provide a proposal form for any project on which the bidder is eligible to bid.

The proposal form will identify the project and its location and describe the work. It will also list estimated quantities, units of measurement, the items of work, and the materials to be furnished at the unit bid prices. The bidder shall complete spaces on the proposal form that call for, but are not limited to, unit prices; extensions; summations; the total bid amount; signatures; date; and, where applicable, retail sales taxes and acknowledgment of addenda; the bidder's name, address, telephone number, and signature; the bidder's D/M/WBE commitment, if applicable; a State of Washington Contractor's Registration Number; and a Business License Number, if applicable. Bids shall be completed by

1 typing or shall be printed in ink by hand, preferably in black ink. The required  
2 certifications are included as part of the proposal form.  
3  
4 The Contracting Agency reserves the right to arrange the proposal forms with alternates  
5 and additives, if such be to the advantage of the Contracting Agency. The bidder shall  
6 bid on all alternates and additives set forth in the proposal forms unless otherwise  
7 specified.  
8  
9 Any correction to a bid made by interlineation, alteration, or erasure, shall be initialed by  
10 the signer of the bid. The bidder shall make no stipulation on the Bid Form, nor qualify  
11 the bid in any manner.  
12  
13 A bid by a corporation shall be executed in the corporate name, by the president or a  
14 vice president (or other corporate officer accompanied by evidence of authority to sign).  
15  
16 A bid by a partnership shall be executed in the partnership name, and signed by a  
17 partner. A copy of the partnership agreement shall be submitted with the Bid Form if any  
18 D/M/WBE requirements are to be satisfied through such an agreement.  
19  
20 A bid by a joint venture shall be executed in the joint venture name and signed by a  
21 member of the joint venture. A copy of the joint venture agreement shall be submitted  
22 with the Bid Form if any D/W/MBE requirements are to be satisfied through such an  
23 agreement.  
24  
25

## 26 **PREPARATION OF PROPOSAL**

27  
28 (August 2, 2004)

29 The fifth and sixth paragraphs of Section 1-02.6 are deleted.

### 30 31 **1-02.7 BID DEPOSIT**

32 (October 1, 2005 APWA GSP)

33  
34 Supplement this section with the following:

35  
36 Bid bonds shall contain the following:

- 37
- 38 1. Contracting Agency-assigned number for the project;
  - 39 2. Name of the project;
  - 40 3. The Contracting Agency named as obligee;
  - 41 4. The amount of the bid bond stated either as a dollar figure or as a percentage  
42 which represents five percent of the maximum bid amount that could be awarded;
  - 43 5. Signature of the bidder's officer empowered to sign official statements. The  
44 signature of the person authorized to submit the bid should agree with the signature  
45 on the bond, and the title of the person must accompany the said signature;
  - 46 6. The signature of the surety's officer empowered to sign the bond and the power of  
47 attorney.
- 48

49 If so stated in the Contract Provisions, bidder must use the bond form included in the  
50 Contract Provisions.

1 **1-02.9 DELIVERY OF PROPOSAL**

2 (October 1, 2005 APWA GSP)

3

4 Revise the first paragraph to read:

5

6 Each proposal shall be submitted in a sealed envelope, with the Project Name and  
7 Project Number as stated in the Advertisement for Bids clearly marked on the outside of  
8 the envelope, or as otherwise stated in the Bid Documents, to ensure proper handling  
9 and delivery.

10

11

12 **1-02.13 IRREGULAR PROPOSALS**

13 (October 1, 2005 APWA GSP)

14

15 Revise item 1 to read:

16

17 1. A proposal will be considered irregular and will be rejected if:

18

- 19 a. The bidder is not prequalified when so required;
- 20 b. The authorized proposal form furnished by the Contracting Agency is not used
- 21 or is altered;
- 22 c. The completed proposal form contains any unauthorized additions, -deletions,
- 23 alternate bids, or conditions;
- 24 d. The bidder adds provisions reserving the right to reject or accept the award, or
- 25 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 or
- 31 Women's Business Enterprise Certification, if applicable, as required in Section
- 32 1-02.6; or
- 33 i. The bid proposal does not constitute a definite and unqualified offer to meet
- 34 the material terms of the bid invitation.

35

36 **1-02.14 DISQUALIFICATION OF BIDDERS**

37 (September 12, 2007 APWA GSP)

38

39 Revise this section to read:

40

41 1. A bidder will be deemed not responsible and the proposal rejected if the bidder  
42 does not meet the responsibility criteria in RCW 39.04.

43

44 2. A bidder may be deemed not responsible and the proposal rejected if:

45

- 46 a. More than one proposal is submitted for the same project from a bidder under
- 47 the same or different names;
- 48 b. Evidence of collusion exists with any other bidder or potential bidder.
- 49 Participants in collusion will be restricted from submitting further bids;
- 50 c. The bidder, in the opinion of the Contracting Agency, is not qualified for the
- 51 work or to the full extent of the bid, or to the extent that the bid exceeds the
- 52 authorized prequalification amount as may have been determined by a
- 53 prequalification of the bidder;

- 1 d. 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; progress; affirmative action;  
4 equal employment opportunity practices; or Disadvantaged Business  
5 Enterprise, Minority Business Enterprise, or Women's Business Enterprise  
6 utilization;  
7 e. There is uncompleted work (Contracting Agency or otherwise) which might  
8 hinder or prevent the prompt completion of the work bid upon;  
9 f. The bidder failed to settle bills for labor or materials on past or current  
10 contracts;  
11 g. The bidder has failed to complete a written public contract or has been  
12 convicted of a crime arising from a previous public contract;  
13 h. The bidder is unable, financially or otherwise, to perform the work; or  
14 i. There are any other reasons deemed proper by the Contracting Agency.  
15  
16

## 17 **1-02.15 PRE AWARD INFORMATION**

18 (October 1, 2005 APWA GSP)

19  
20 Revise this section to read:

21  
22 Before awarding any contract, the Contracting Agency may require one or more of these  
23 items or actions of the apparent lowest responsible bidder:

- 24  
25 1. A complete statement of the origin, composition, and manufacture of any or all  
26 materials to be used,  
27 2. Samples of these materials for quality and fitness tests,  
28 3. A progress schedule (in a form the Contracting Agency requires) showing the order  
29 of and time required for the various phases of the work,  
30 4. A breakdown of costs assigned to any bid item,  
31 5. Attendance at a conference with the Engineer or representatives of the Engineer,  
32 6. Obtain, and furnish a copy of, a business license to do business in the city or  
33 county where the work is located.  
34 7. A copy of State of Washington Contractor's Registration, or  
35 8. Any other information or action taken that is deemed necessary to ensure that the  
36 bidder is the lowest responsible bidder.  
37

## 38 **AWARD AND EXECUTION OF CONTRACT**

### 39 40 **1-03.1 CONSIDERATION OF BIDS**

41 (January 23, 2006 APWA GSP)

42  
43 Revise the first paragraph to read:

44  
45 After opening and reading proposals, the Contracting Agency will check them for  
46 correctness of extensions of the prices per unit and the total price. If a discrepancy  
47 exists between the price per unit and the extended amount of any bid item, the price per  
48 unit will control. If a minimum bid amount has been established for any item and the  
49 bidder's unit or lump sum price is less than the minimum specified amount, the  
50 Contracting Agency will unilaterally revise the unit or lump sum price, to the minimum  
51 specified amount and recalculate the extension. The total of extensions, corrected  
52 where necessary, including sales taxes where applicable and such additives and/or

1 alternates as selected by the Contracting Agency, will be used by the Contracting  
2 Agency for award purposes and to fix the Awarded Contract Price amount and the  
3 amount of the contract bond.  
4

### 5 **1-03.3 EXECUTION OF CONTRACT**

6 (October 1, 2005 APWA GSP)

7  
8 Revise this section to read:

9  
10 Copies of the Contract Provisions, including the unsigned Form of Contract, will be  
11 available for signature by the successful bidder on the first business day following  
12 award. The number of copies to be executed by the Contractor will be determined by  
13 the Contracting Agency.  
14

15 Within 10 calendar days after the award date, the successful bidder shall return the  
16 signed Contracting Agency-prepared contract, an insurance certification as required by  
17 Section 1-07.18, and a satisfactory bond as required by law and Section 1-03.4. Before  
18 execution of the contract by the Contracting Agency, the successful bidder shall provide  
19 any pre-award information the Contracting Agency may require under Section 1-02.15.  
20

21 Until the Contracting Agency executes a contract, no proposal shall bind the Contracting  
22 Agency nor shall any work begin within the project limits or within Contracting Agency-  
23 furnished sites. The Contractor shall bear all risks for any work begun outside such  
24 areas and for any materials ordered before the contract is executed by the Contracting  
25 Agency.  
26

27 If the bidder experiences circumstances beyond their control that prevents return of the  
28 contract documents within the calendar days after the award date stated above, the  
29 Contracting Agency may grant up to a maximum of \$\$2\$\$ additional calendar days for  
30 return of the documents, provided the Contracting Agency deems the circumstances  
31 warrant it.  
32

### 33 **1-03.4 CONTRACT BOND**

34 (October 1, 2005 APWA GSP)

35  
36 Revise the first paragraph to read:

37  
38 The successful bidder shall provide an executed contract bond for the full contract  
39 amount. This contract bond shall:

- 40
- 41 1. Be on a Contracting Agency-furnished form;
  - 42 2. Be signed by an approved surety (or sureties) that:
    - 43 a. Is registered with the Washington State Insurance Commissioner, and
    - 44 b. Appears on the current Authorized Insurance List in the State of Washington  
45 published by the Office of the Insurance Commissioner,
  - 46 3. Be conditioned upon the faithful performance of the contract by the Contractor  
47 within the prescribed time;
  - 48 4. Guarantee that the surety shall indemnify, defend, and protect the Contracting  
49 Agency against any claim of direct or indirect loss resulting from the failure:
    - 50 a. Of the Contractor (or any of the employees, subcontractors, or lower tier  
51 subcontractors of the Contractor) to faithfully perform the contract, or

- 1           b. Of the Contractor (or the subcontractors or lower tier subcontractors of the  
2 Contractor) to pay all laborers, mechanics, subcontractors, lower tier  
3 subcontractors, materialperson, or any other person who provides supplies or  
4 provisions for carrying out the work;
- 5           5. Be accompanied by a power of attorney for the Surety's officer empowered to sign  
6 the bond; and
- 7           6. Be signed by an officer of the Contractor empowered to sign official statements  
8 (sole proprietor or partner). If the Contractor is a corporation, the bond must be  
9 signed by the president or vice-president, unless accompanied by written proof of  
10 the authority of the individual signing the bond to bind the corporation (i.e.,  
11 corporate resolution, power of attorney or a letter to such effect by the president or  
12 vice-president).

13

## 14 **SCOPE OF WORK**

15

### 16 **1-04.2 COORDINATION OF CONTRACT DOCUMENTS, PLANS, SPECIAL** 17 **PROVISIONS, SPECIFICATIONS, AND ADDENDA**

18 (October 1, 2005 APWA GSP)

19

20 Revise the second paragraph to read:

21

22           Any inconsistency in the parts of the contract shall be resolved by following this order of  
23 precedence (e.g., 1 presiding over 2, 2 over 3, 3 over 4, and so forth):

24

- 25           1. Addenda,  
26           2. Proposal Form,  
27           3. Special Provisions, including APWA General Special Provisions, if they are  
28 included,  
29           4. Contract Plans,  
30           5. Amendments to the Standard Specifications,  
31           6. WSDOT/APWA Standard Specifications for Road, Bridge and Municipal  
32 Construction,  
33           7. Contracting Agency's Standard Plans (if any), and  
34           8. WSDOT/APWA Standard Plans for Road, Bridge, and Municipal Construction.

35

## 36 **CONTROL OF WORK**

37

### 38 **1-05.4 CONFORMITY WITH AND DEVIATIONS FROM PLANS AND STAKES**

39

40 Add the following two new sub-sections:

41

#### 42 ***1-05.4(1) Roadway and Utility Surveys***

43 (October 1, 2005 APWA GSP)

44

45           The Engineer shall furnish to the Contractor one time only all principal lines,  
46 grades, and measurements the Engineer deems necessary for completion of the  
47 work. These shall generally consist of one initial set of:

48

- 49           1. Slope stakes for establishing grading;  
50           2. Curb grade stakes;  
51           3. Centerline finish grade stakes for pavement sections wider than 25 feet; and

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4. Offset points to establish line and grade for underground utilities such as water, sewers, and storm drains.

On alley construction projects with minor grade changes, the Engineer shall provide only offset hubs on one side of the alley to establish the alignment and grade.

**1-05.7 REMOVAL OF DEFECTIVE AND UNAUTHORIZED WORK**

(October 1, 2005 APWA GSP)

Supplement this section with the following:

If the Contractor fails to remedy defective or unauthorized work within the time specified in a written notice from the Engineer, or fails to perform any part of the work required by the Contract Documents, the Engineer may correct and remedy such work as may be identified in the written notice, with Contracting Agency forces or by such other means as the Contracting Agency may deem necessary.

If the Contractor fails to comply with a written order to remedy what the Engineer determines to be an emergency situation, the Engineer may have the defective and unauthorized work corrected immediately, have the rejected work removed and replaced, or have work the Contractor refuses to perform completed by using Contracting Agency or other forces. An emergency situation is any situation when, in the opinion of the Engineer, a delay in its remedy could be potentially unsafe, or might cause serious risk of loss or damage to the public.

Direct or indirect costs incurred by the Contracting Agency attributable to correcting and remedying defective or unauthorized work, or work the Contractor failed or refused to perform, shall be paid by the Contractor. Payment will be deducted by the Engineer from monies due, or to become due, the Contractor. Such direct and indirect costs shall include in particular, but without limitation, compensation for additional professional services required, and costs for repair and replacement of work of others destroyed or damaged by correction, removal, or replacement of the Contractor's unauthorized work.

No adjustment in contract time or compensation will be allowed because of the delay in the performance of the work attributable to the exercise of the Contracting Agency's rights provided by this Section.

The rights exercised under the provisions of this section shall not diminish the Contracting Agency's right to pursue any other avenue for additional remedy or damages with respect to the Contractor's failure to perform the work as required.

**1-05.13 SUPERINTENDENTS, LABOR AND EQUIPMENT OF CONTRACTOR**

(May 25, 2006 APWA GSP)

Revise the seventh paragraph to read:

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

1 **ADD THE FOLLOWING NEW SECTION:**

2

3 **1-05.16 WATER AND POWER**

4 (October 1, 2005 APWA GSP)

5

6 The Contractor shall make necessary arrangements, and shall bear the costs for power and  
7 water necessary for the performance of the work, unless the contract includes power and  
8 water as a pay item.

9

10 **ADD THE FOLLOWING NEW SECTION:**

11

12 **1-05.17 ORAL AGREEMENTS**

13 (October 1, 2005 AWPA GSP)

14

15 No oral agreement or conversation with any officer, agent, or employee of the Contracting  
16 Agency, either before or after execution of the contract, shall affect or modify any of the  
17 terms or obligations contained in any of the documents comprising the contract. Such oral  
18 agreement or conversation shall be considered as unofficial information and in no way  
19 binding upon the Contracting Agency, unless subsequently put in writing and signed by the  
20 Contracting Agency.

21

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

23

24 **1-07.1 LAWS TO BE OBSERVED**

25 (October 1, 2005 APWA GSP)

26

27 Supplement this section with the following:

28

29 In cases of conflict between different safety regulations, the more stringent regulation  
30 shall apply.

31

32 The Washington State Department of Labor and Industries shall be the sole and  
33 paramount administrative agency responsible for the administration of the provisions of  
34 the Washington Industrial Safety and Health Act of 1973 (WISHA).

35

36 The Contractor shall maintain at the project site office, or other well known place at the  
37 project site, all articles necessary for providing first aid to the injured. The Contractor  
38 shall establish, publish, and make known to all employees, procedures for ensuring  
39 immediate removal to a hospital, or doctor's care, persons, including employees, who  
40 may have been injured on the project site. Employees should not be permitted to work  
41 on the project site before the Contractor has established and made known procedures  
42 for removal of injured persons to a hospital or a doctor's care.

43

44 The Contractor shall have sole responsibility for the safety, efficiency, and adequacy of  
45 the Contractor's plant, appliances, and methods, and for any damage or injury resulting  
46 from their failure, or improper maintenance, use, or operation. The Contractor shall be  
47 solely and completely responsible for the conditions of the project site, including safety  
48 for all persons and property in the performance of the work. This requirement shall  
49 apply continuously, and not be limited to normal working hours. The required or implied  
50 duty of the Engineer to conduct construction review of the Contractor's performance  
51 does not, and shall not, be intended to include review and adequacy of the Contractor's  
52 safety measures in, on, or near the project site.

1 **1-07.2 STATE SALES TAX**

2

3 Delete this section, including its sub-sections, in its entirety and replace it with the following:

4

5 **1-07.2 STATE SALES TAX**

6 (October 1, 2005 APWA GSP)

7

8 ***1-07.2(1) General***

9

10 The Washington State Department of Revenue has issued special rules on the State  
11 sales tax. Sections 1-07.2(1) through 1-07.2(4) are meant to clarify those rules. The  
12 Contractor should contact the Washington State Department of Revenue for answers to  
13 questions in this area. The Contracting Agency will not adjust its payment if the  
14 Contractor bases a bid on a misunderstood tax liability.

15

16 The Contractor shall include all Contractor-paid taxes in the unit bid prices or other  
17 contract amounts. In some cases, however, state retail sales tax will not be included.  
18 Section 1-07.2(3) describes this exception.

19

20 The Contracting Agency will pay the retained percentage only if the Contractor has  
21 obtained from the Washington State Department of Revenue a certificate showing that  
22 all contract-related taxes have been paid (RCW 60.28.050). The Contracting Agency  
23 may deduct from its payments to the Contractor any amount the Contractor may owe  
24 the Washington State Department of Revenue, whether the amount owed relates to this  
25 contract or not. Any amount so deducted will be paid into the proper State fund.

26

27 ***1-07.2(2) State Sales Tax — Rule 171***

28

29 WAC 458-20-171, and its related rules, apply to building, repairing, or improving streets,  
30 roads, etc., which are owned by a municipal corporation, or political subdivision of the  
31 state, or by the United States, and which are used primarily for foot or vehicular traffic.  
32 This includes storm or combined sewer systems within and included as a part of the  
33 street or road drainage system and power lines when such are part of the roadway  
34 lighting system. For work performed in such cases, the Contractor shall include  
35 Washington State Retail Sales Taxes in the various unit bid item prices, or other contract  
36 amounts, including those that the Contractor pays on the purchase of the materials,  
37 equipment, or supplies used or consumed in doing the work.

38

39 ***1-07.2(3) State Sales Tax — Rule 170***

40

41 WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or  
42 existing buildings, or other structures, upon real property. This includes, but is not  
43 limited to, the construction of streets, roads, highways, etc., owned by the state of  
44 Washington; water mains and their appurtenances; sanitary sewers and sewage  
45 disposal systems unless such sewers and disposal systems are within, and a part of, a  
46 street or road drainage system; telephone, telegraph, electrical power distribution lines,  
47 or other conduits or lines in or above streets or roads, unless such power lines become  
48 a part of a street or road lighting system; and installing or attaching of any article of  
49 tangible personal property in or to real property, whether or not such personal property  
50 becomes a part of the realty by virtue of installation.

1 For work performed in such cases, the Contractor shall collect from the Contracting  
2 Agency, retail sales tax on the full contract price. The Contracting Agency will  
3 automatically add this sales tax to each payment to the Contractor. For this reason, the  
4 Contractor shall not include the retail sales tax in the unit bid item prices, or in any other  
5 contract amount subject to Rule 170, with the following exception.  
6

7 Exception: The Contracting Agency will not add in sales tax for a payment the  
8 Contractor or a subcontractor makes on the purchase or rental of tools, machinery,  
9 equipment, or consumable supplies not integrated into the project. Such sales taxes  
10 shall be included in the unit bid item prices or in any other contract amount.  
11

### 12 **1-07.2(4) Services**

13  
14 The Contractor shall not collect retail sales tax from the Contracting Agency on any  
15 contract wholly for professional or other services (as defined in Washington State  
16 Department of Revenue Rules 138 and 244).  
17

18 (5/10/06) Sk. Co.  
19

20 Section 1-07.2 is supplemented with the following:  
21

22 The work on this contract is to be performed upon lands whose ownership obligates the  
23 Contractor to pay Sales tax. The provisions of Section 1-07.2(2) apply.  
24  
25

### 26 **LOAD LIMITS**

27 Section 1-07.7 is supplemented with the following:  
28

29 (March 13, 1995)

30 If the sources of materials provided by the Contractor necessitates hauling over roads  
31 other than State Highways, the Contractor shall, at the Contractor's expense, make all  
32 arrangements for the use of the haul routes.  
33

### 34 **CONTRACTOR'S RESPONSIBILITY FOR WORK**

35  
36 **(August 6, 2001)**

#### 37 **Repair of Damage**

38 Section 1-07.13(4) is revised to read:  
39

40 The Contractor shall promptly repair all damage to either temporary or permanent  
41 work as directed by the Engineer. For damage qualifying for relief under Sections  
42 1-07.13(1), 1-07.13(2) or 1-07.13(3), payment will be made in accordance with  
43 Section 1-04.4. Payment will be limited to repair of damaged work only. No  
44 payment will be made for delay or disruption of work.

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**(APRIL 2, 2007)**

**UTILITIES AND SIMILAR FACILITIES**

Section 1-07.17 is supplemented with the following:

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

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

- |                                      |                         |
|--------------------------------------|-------------------------|
| PSE                                  | Verizon                 |
| Teresa Loop                          | Jamaar Everett          |
| 1329 State Street                    | 595 Pease Road          |
| Bellingham 98225                     | Burlington 98233        |
| 360-647-6525                         | 360-757-1172            |
| Comcast                              | Utility Location Center |
| Bob Tierney                          | (One Call Center)       |
| Bellingham                           | 1-800-424-5555          |
| 360-527-8244                         |                         |
| Samish Farms Water Association, Inc. |                         |
| Sue Ratfield                         |                         |
| P. O. Box 102                        |                         |
| Bow, WA 98232                        |                         |
| Business: 360-766-7218               |                         |
| Maintenance: 360-766-6984            |                         |
| Emergencies: 360-366-8318            |                         |

**1-07.18 PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE**

Delete this section in its entirety, and replace it with the following:

**1-07.18 Insurance**

(May 10, 2006 APWA GSP)

**1-07.18(1) General Requirements**

- A. The Contractor shall obtain the insurance described in this section from insurers approved by the State Insurance Commissioner pursuant to RCW Title 48. The insurance must be provided by an insurer with a rating of A-: VII or higher in the A.M. Best's Key Rating Guide, which is licensed to do business in the state of Washington (or issued as a surplus line by a Washington Surplus lines broker). The Contracting Agency reserves the right to approve or reject the insurance provided, based on the insurer (including financial condition), terms and coverage, the Certificate of Insurance, and/or endorsements.
- B. The Contractor shall keep this insurance in force during the term of the contract and for thirty (30) days after the Physical Completion date, unless otherwise indicated (see C. below).

- 1 C. If any insurance policy is written on a claims made form, its retroactive date,  
2 and that of all subsequent renewals, shall be no later than the effective date of  
3 this Contract. The policy shall state that coverage is claims made, and state  
4 the retroactive date. Claims-made form coverage shall be maintained by the  
5 Contractor for a minimum of 36 months following the Final Completion or  
6 earlier termination of this contract, and the Contractor shall annually provide  
7 the Contracting Agency with proof of renewal. If renewal of the claims made  
8 form of coverage becomes unavailable, or economically prohibitive, the  
9 Contractor shall purchase an extended reporting period ("tail") or execute  
10 another form of guarantee acceptable to the Contracting Agency to assure  
11 financial responsibility for liability for services performed.  
12  
13 D. The insurance policies shall contain a "cross liability" provision.  
14  
15 E. The Contractor's and all subcontractors' insurance coverage shall be primary  
16 and non-contributory insurance as respects the Contracting Agency's  
17 insurance, self-insurance, or insurance pool coverage.  
18  
19 F. All insurance policies and Certificates of Insurance shall include a requirement  
20 providing for a minimum of 30 days prior written notice to the Contracting  
21 Agency of any cancellation in any insurance policy.  
22  
23 G. Upon request, the Contractor shall forward to the Contracting Agency a full and  
24 certified copy of the insurance policy(s).  
25  
26 H. The Contractor shall not begin work under the contract until the required  
27 insurance has been obtained and approved by the Contracting Agency.  
28  
29 I. Failure on the part of the Contractor to maintain the insurance as required shall  
30 constitute a material breach of contract, upon which the Contracting Agency  
31 may, after giving five business days notice to the Contractor to correct the  
32 breach, immediately terminate the contract or, at its discretion, procure or  
33 renew such insurance and pay any and all premiums in connection therewith,  
34 with any sums so expended to be repaid to the Contracting Agency on  
35 demand, or at the sole discretion of the Contracting Agency, offset against  
36 funds due the Contractor from the Contracting Agency.  
37  
38 J. All costs for insurance shall be incidental to and included in the unit or lump  
39 sum prices of the contract and no additional payment will be made.  
40

41 **1-07.18(2) Additional Insured**

42 All insurance policies, with the exception of Professional Liability and Workers  
43 Compensation, shall name the following listed entities as additional insured(s):  
44

45 The Contracting Agency and its officers, elected officials, employees, agents,  
46 and volunteers  
47

48 The above-listed entities shall be additional insured(s) for the full available limits of  
49 liability maintained by the Contractor, whether primary, excess, contingent or  
50 otherwise, irrespective of whether such limits maintained by the Contractor are  
51 greater than those required by this Contract, and irrespective of whether the

1 Certificate of Insurance provided by the Contractor pursuant to 1-07.18(3)  
2 describes limits lower than those maintained by the Contractor.  
3  
4 **1-07.18(3) Subcontractors**  
5 Contractor shall ensure that each subcontractor of every tier obtains and maintains  
6 at a minimum the insurance coverages listed in 1-07.18(5)A and 1-07.18(5)B.  
7 Upon request of the Contracting Agency, the Contractor shall provide evidence of  
8 such insurance.  
9  
10 **1-07.18(4) Evidence of Insurance**  
11 The Contractor shall deliver to the Contracting Agency a Certificate(s) of Insurance  
12 and endorsements for each policy of insurance meeting the requirements set forth  
13 herein when the Contractor delivers the signed Contract for the work. The  
14 certificate and endorsements must conform to the following requirements:  
15  
16 1. An ACORD certificate or a form determined by the Contracting Agency to  
17 be equivalent.  
18 2. Copies of all endorsements naming Contracting Agency and all other  
19 entities listed in 1-07.18(2) as Additional Insured(s), showing the policy  
20 number. The Contractor may submit a copy of any blanket additional  
21 insured clause from its policies instead of a separate endorsement. A  
22 statement of additional insured status on an ACORD Certificate of  
23 Insurance shall not satisfy this requirement.  
24 3. Any other amendatory endorsements to show the coverage required  
25 herein.  
26  
27 **1-07.18(5) Coverages and Limits**  
28 The insurance shall provide the minimum coverages and limits set forth below.  
29 Providing coverage in these stated minimum limits shall not be construed to relieve  
30 the Contractor from liability in excess of such limits. All deductibles and self-  
31 insured retentions must be disclosed and are subject to approval by the Contracting  
32 Agency. The cost of any claim payments falling within the deductible shall be the  
33 responsibility of the Contractor.  
34  
35 **1-07.18(5)A Commercial General Liability**  
36 A policy of Commercial General Liability Insurance, including:  
37  
38 Per project aggregate  
39 Premises/Operations Liability  
40 Products/Completed Operations – for a period of one year following final  
41 acceptance of the work.  
42 Personal/Advertising Injury  
43 Contractual Liability  
44 Independent Contractors Liability  
45 Stop Gap / Employers’ Liability  
46 Explosion, Collapse, or Underground Property Damage (XCU)  
47 Blasting (only required when the Contractor’s work under this Contract  
48 includes exposures to which this specified coverage responds)

1 Such policy must provide the following minimum limits:

2		
3	\$1,000,000	Each Occurrence
4	\$2,000,000	General Aggregate
5	\$1,000,000	Products & Completed Operations Aggregate
6	\$1,000,000	Personal & Advertising Injury, each offence
7		

8 Stop Gap / Employers' Liability

9		
10	\$1,000,000	Each Accident
11	\$1,000,000	Disease - Policy Limit
12	\$1,000,000	Disease - Each Employee
13		

14 **1-07.18(5)B Automobile Liability**

15 Automobile Liability for owned, non-owned, hired, and leased vehicles, with an  
16 MCS 90 endorsement and a CA 9948 endorsement attached if "pollutants" are to  
17 be transported. Such policy(ies) must provide the following minimum limit:

18		
19	\$1,000,000	combined single limit
20		

21 **1-07.18(5)C Workers' Compensation**

22 The Contractor shall comply with Workers' Compensation coverage as required by  
23 the Industrial Insurance laws of the state of Washington.

24 **1-07.23(2) Construction and Maintenance of Detours**

25 (4/10/08) Sk. Co.)

26 Revise the first paragraph to read:

27 Unless otherwise approved, the Contractor shall maintain two-way traffic during  
28 construction. The Contractor shall build, maintain in a safe condition, and keep  
29 open to traffic.

- 30 1. Detours and detour bridges that will accommodate traffic diverted from the
- 31 roadway or bridge, during construction,
- 32 2. Detour crossings of intersecting highway, and
- 33 3. Temporary approaches.

34 **1-07.24 RIGHTS OF WAY**

35 (4/10/08) Sk. Co.

36 Delete this section in its entirety, and replace it with the following:

37 The Contractor's construction activities shall be confined within the limits of the right of  
38 way, unless arrangements for use of private property are made.

39 Generally, the Contracting Agency will have obtained, prior to bid opening, all rights of  
40 way and easements, both permanent and temporary, necessary for carrying out the  
41 work. Exceptions to this are noted in the Bid Documents or will be brought to the  
42 Contractor's attention by a duly issued Addendum.

1 Whenever any of the work is accomplished on or through property other than public  
2 right of way, the Contractor shall meet and fulfill all covenants and stipulations of any  
3 easement agreement obtained by the Contracting Agency from the owner of the private  
4 property. Copies of the easement agreements may be included in the Contract  
5 Provisions or made available to the Contractor as soon as practical after they have been  
6 obtained by the Engineer.

7  
8 The Contractor shall not proceed with any portion of the work in areas where right of  
9 way, easements or rights of entry have not been acquired until the Engineer certifies to  
10 the Contractor that the right of way or easement is available or that the right of entry has  
11 been received. If the Contractor is delayed due to acts of omission on the part of the  
12 Contracting Agency in obtaining easements, rights of entry or right of way, the  
13 Contractor will be entitled to an extension of time. The Contractor agrees that such  
14 delay shall not be a breach of contract.

15  
16 Each property owner shall be given 48 hours notice prior to entry by the Contractor.  
17 This includes entry onto easements and private property where private improvements  
18 must be adjusted.

19  
20 The Contractor shall be responsible for providing, without expense or liability to the  
21 Contracting Agency, any additional land and access thereto that the Contractor may  
22 desire for temporary construction facilities, storage of materials, or other Contractor  
23 needs. However, before using any private property, whether adjoining the work or not,  
24 the Contractor shall file with the Engineer a written permission of the private property  
25 owner, and, upon vacating the premises, a written release from the property owner of  
26 each property disturbed or otherwise interfered with by reasons of construction pursued  
27 under this contract. The statement shall be signed by the private property owner, or  
28 proper authority acting for the owner of the private property affected, stating that  
29 permission has been granted to use the property and all necessary permits have been  
30 obtained or, in the case of a release, that the restoration of the property has been  
31 satisfactorily accomplished. The statement shall include the parcel number, address,  
32 and date of signature. Written releases must be filed with the Engineer before the  
33 Completion Date will be established.

34  
35

## 36 **1-08 PROSECUTION AND PROGRESS**

37  
38  
39

Add the following new section:

### 40 **1-08.0 PRELIMINARY MATTERS**

41 (May 25, 2006 APWA GSP)

42  
43

Add the following new section:

44  
45

#### 46 ***1-08.0(1) Preconstruction Conference***

47 (5/06/08) Sk. Co.

48  
49  
50  
51

Prior to the Contractor beginning the work, a preconstruction conference will be held  
between the Contractor, the Engineer and such other interested parties as may be  
invited. The purpose of the preconstruction conference will be:

- 1 1. To review the initial progress schedule;
- 2 2. To establish a working understanding among the various parties associated or
- 3 affected by the work;
- 4 3. To establish and review procedures for progress payment, notifications, approvals,
- 5 submittals, etc.;
- 6 4. To establish normal working hours for the work;
- 7 5. To review safety standards and traffic control; and
- 8 6. To discuss such other related items as may be pertinent to the work.
- 9

10 The Contractor shall prepare and submit at the preconstruction meeting the following:

- 11
- 12 1. A breakdown of all lump sum items
- 13 2. A preliminary schedule of working drawing submittals
- 14 3. A list of material sources for approval if applicable
- 15 4. Traffic Control Plan
- 16 5. A list of emergency contacts
- 17 6. Dewatering Plan
- 18

### 19 **SUBCONTRACTING**

20 Section 1-08.1 is supplemented with the following:

21  
22 (12/21/06) Sk. Co.

23  
24 Prior to any subcontractor or lower tier subcontractor beginning work, the Contractor  
25 shall submit to the Engineer a certification (WSDOT Form 420-004) that a written  
26 agreement between the Contractor and the subcontractor or between the subcontractor  
27 and any lower tier subcontractor has been executed.

28  
29 A subcontractor or lower tier subcontractor will not be permitted to perform any work  
30 under the contract until the following documents have been completed and submitted to  
31 the Engineer:

- 32
- 33 1. Request to Sublet Work (Form 421-012), and
- 34 2. Statement of Intent to Pay Prevailing Wages (Form F700-007-000).
- 35

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

### 43 44 **1-08.4 NOTICE TO PROCEED AND PROSECUTION OF THE WORK**

45 (October 1, 2005 APWA GSP)

46  
47 Revise this section to read:

48  
49 Notice to Proceed will be given after the contract has been executed and the contract  
50 bond and evidence of insurance have been approved and filed by the Contracting  
51 Agency. The Contractor shall not commence with the work until the Notice to Proceed  
52 has been given by the Engineer. The Contractor shall commence construction activities

1 on the project site within ten days of the Notice to Proceed Date, unless otherwise  
2 approved in writing. The Contractor shall diligently pursue the work to the physical  
3 completion date within the time specified in the contract. Voluntary shutdown or slowing  
4 of operations by the Contractor shall not relieve the Contractor of the responsibility to  
5 complete the work within the time(s) specified in the contract.  
6

## 7 **1-08.5 TIME FOR COMPLETION**

8 (June 28, 2007 APWA GSP, Option A)  
9

10 Revise the third and fourth paragraphs to read:

11  
12 Contract time shall begin on the first working day following the Notice to Proceed Date.

13  
14 Each working day shall be charged to the contract as it occurs, until the contract work is  
15 physically complete. If substantial completion has been granted and all the authorized  
16 working days have been used, charging of working days will cease. Each week the  
17 Engineer will provide the Contractor a statement that shows the number of working  
18 days: (1) charged to the contract the week before; (2) specified for the physical  
19 completion of the contract; and (3) remaining for the physical completion of the contract.  
20 The statement will also show the nonworking days and any partial or whole day the  
21 Engineer declares as unworkable. Within 10 calendar days after the date of each  
22 statement, the Contractor shall file a written protest of any alleged discrepancies in it.  
23 To be considered by the Engineer, the protest shall be in sufficient detail to enable the  
24 Engineer to ascertain the basis and amount of time disputed. By not filing such detailed  
25 protest in that period, the Contractor shall be deemed as having accepted the statement  
26 as correct. If the Contractor elects to work 10 hours a day and 4 days a week (a 4-10  
27 schedule) and the fifth day of the week in which a 4-10 shift is worked would ordinarily  
28 be charged as a working day then the fifth day of that week will be charged as a working  
29 day whether or not the Contractor works on that day.  
30

31 Revise the sixth paragraph to read:

32  
33 The Engineer will give the Contractor written notice of the completion date of the  
34 contract after all the Contractor's obligations under the contract have been performed by  
35 the Contractor. The following events must occur before the Completion Date can be  
36 established:

- 37 1. The physical work on the project must be complete; and
  - 38 2. The Contractor must furnish all documentation required by the contract and  
39 required by law, to allow the Contracting Agency to process final acceptance of the  
40 contract. The following documents must be received by the Project Engineer prior  
41 to establishing a completion date:
    - 42 a. Certified Payrolls (Federal-aid Projects)
    - 43 b. Material Acceptance Certification Documents
    - 44 c. Annual Report of Amounts Paid as MBE/WBE Participants or Quarterly  
45 Report of Amounts Credited as DBE Participation, as required by the Contract  
46 Provisions.
    - 47 d. Final Contract Voucher Certification
    - 48 e. Property owner releases per Section 1-07.24
- 49

1 (March 13, 1995)  
2 Section 1-08.5 is supplemented with the following:

3  
4 This project shall be physically completed within **\*\*15\*\*** working days.

5  
6 **MEASUREMENT AND PAYMENT**

7  
8 **WEIGHING EQUIPMENT**

9  
10 **(August 6, 2001)**  
11 ***Specific Requirements for Batching and Hopper Scales***  
12 Section 1-09.2(2) is deleted.

13  
14 **(August 6, 2001)**  
15 ***Specific Requirements for Platform Scales***  
16 Section 1-09.2(3) is deleted.

17  
18 **(August 6, 2001)**  
19 ***Specific Requirements for Belt Conveyor Scales***  
20 Section 1-09.2(4) is deleted.

21  
22 **(AUGUST 6, 2001)**  
23 **MEASUREMENT**

24 Section 1-09.2(5) is revised to read as follows:

25  
26 If confirmation testing shows the initial scale has been underweighing, the on-site  
27 representative of the Contractor shall be notified. The Contractor shall not be  
28 compensated for any loss from underweighing.

29  
30 If the initial scale has been overweighing, the on-site representative of the Contractor  
31 shall be notified and the Contracting Agency will calculate a price adjustment as follows:  
32 The combined weight of all materials weighed after the last test showing accurate  
33 results through the load preceding the next confirmation test shall be calculated. This  
34 combined weight will then be reduced by the percentage of weighing error that exceeds  
35 one-half of one percent. If subsequent confirmation test or tests continue to show  
36 overweighing, then the highest correction factor calculated from all tests shall be applied  
37 to all loads weighed after the last successful test and before a new confirmation test that  
38 shows accurate results.

39  
40 If the specifications and plans require weight measurement for minor construction items,  
41 the Contractor may request permission to convert volume to weight. If the Engineer  
42 approves, an agreed factor may be used to make this conversion.

43  
44 **(AUGUST 6, 2001)**

45 **PAYMENT**

46 Section 1-09.2(6) is revised to read as follows:

47  
48 The Contracting Agency will pay for no materials received by weight unless they have  
49 been weighed in accordance with the requirements of this section.

1 Unit contract prices for the various pay items of the project cover all costs related to  
2 weighing and proportioning materials for payment. These costs include those for  
3 furnishing, installing, certifying, maintaining and operating scales for initial weighing,  
4 those for extra haul distance and time involved in complying with confirmation testing  
5 requirements, and those for any other related item specified in this section.  
6

## 7 **PAYMENTS**

8 (October 1, 2005 APWA GSP)  
9

10 Delete the third paragraph and replace it with the following:  
11

12 Progress payments for completed work and material on hand will be based upon  
13 progress estimates prepared by the Engineer. A progress estimate cutoff date will be  
14 established at the preconstruction meeting.  
15

16 The initial progress estimate will be made not later than 30 days after the Contractor  
17 commences the work, and successive progress estimates will be made every month  
18 thereafter until the Completion Date. Progress estimates made during progress of the  
19 work are tentative, and made only for the purpose of determining progress payment.  
20 The progress estimates are subject to change at any time prior to the calculation of the  
21 Final Payment.  
22

23 The value of the progress estimate will be the sum of the following:  
24

- 25 1. Unit Price Items in the Bid Form — the approximate quantity of acceptable units of  
26 work completed multiplied by the unit price.
- 27 2. Lump Sum Items in the Bid Form — the estimated percentage complete multiplied  
28 by the Bid Forms amount for each Lump Sum Item, or per the schedule of values  
29 for that item.
- 30 3. Materials on Hand — 100 percent of invoiced cost of material delivered to Job site  
31 or other storage area approved by the Engineer.
- 32 4. Change Orders — entitlement for approved extra cost or completed extra work as  
33 determined by the Engineer.  
34

35 Progress payments will be made in accordance with the progress estimate less:  
36

- 37 1. Retainage per Section 1-09.9(1);
- 38 2. The amount of Progress Payments previously made; and
- 39 3. Funds withheld by the Contracting Agency for disbursement in accordance with the  
40 Contract Documents.  
41

42 Progress payments for work performed shall not be evidence of acceptable  
43 performance or an admission by the Contracting Agency that any work has been  
44 satisfactorily completed.  
45

46 Payments will be made by warrants, issued by the Contracting Agency's fiscal officer,  
47 against the appropriate fund source for the project. Payments received on account of  
48 work performed by a subcontractor are subject to the provisions of RCW 39.04.250.

1 **(MARCH 13, 1995)**

2 **PAYMENTS**

3 Section 1-09.9 is supplemented with the following:

4

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

9

10 "Roadway Excavation Including Haul"

11

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

17

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

20

21 **CLAIMS RESOLUTION**

22

23 ***1-09.13(3) Claims \$250,000 or Less***

24 (October 1, 2005 APWA GSP)

25

26 Delete this Section and replace it with the following:

27

28 The Contractor and the Contracting Agency mutually agree that those claims that  
29 total \$250,000 or less, submitted in accordance with Section 1-09.11 and not  
30 resolved by nonbinding ADR processes, shall be resolved through litigation unless  
31 the parties mutually agree in writing to resolve the claim through binding arbitration.

32

33 ***1-09.13(3)A Administration of Arbitration***

34 (October 1, 2005 APWA GSP)

35

36 Revise the third paragraph to read:

37

38 The Contracting Agency and the Contractor mutually agree to be bound by the  
39 decision of the arbitrator, and judgment upon the award rendered by the  
40 arbitrator may be entered in the Superior Court of the county in which the  
41 Contracting Agency's headquarters are located. The decision of the arbitrator  
42 and the specific basis for the decision shall be in writing. The arbitrator shall  
43 use the contract as a basis for decisions.

1     **TEMPORARY TRAFFIC CONTROL**

2

3     **TRAFFIC CONTROL MANAGEMENT**

4

5             **1-10.2(1)B Traffic Control Supervisor**  
6             (4/10/06) Sk. Co.

7

8             Section 1-10.2(1) B has been revised to read:

9

10            A Traffic Control Supervisor (TCS) shall be present on the project whenever  
11            flagging or spotting or other traffic control labor is being utilized or less  
12            frequently, as authorized by the Engineer.

13

14            The TCS shall personally perform all the duties of the TCS. During nonwork  
15            periods, the TCS shall be available to the job site within a 45-minute time  
16            period after notification by the Engineer.

17

18            The TCS's duties shall include:

19

20            1. Having a current set of approved traffic control plans (TCPs), applicable  
21            contract provisions as provided by the Contractor, the latest adopted  
22            edition of the *MUTCD*, including the *Washington State Modifications to the*  
23            *MUTCD*, the book *Quality Guidelines for Work Zone Traffic Control*  
24            *Devices*, and applicable standards and specifications.

25

26            2. Inspecting traffic control devices and nighttime lighting for proper location,  
27            installation, message, cleanliness, and effect on the traveling public.  
28            Traffic control devices shall be inspected at least once per hour during  
29            working hours except that Class A signs and nighttime lighting need to be  
30            checked only once a week. Traffic control devices left in place for 24  
31            hours or more shall also be inspected once during the nonworking hours  
32            when they are initially set up (during daylight or darkness, whichever is  
33            opposite of the working hours). The TCS shall correct, or arrange to have  
34            corrected, any deficiencies noted during these inspections.

35

36            3. Preparing a daily traffic control diary on each day that traffic control is  
37            performed using DOT Forms 421-040A and 421-040B, and submitting  
38            them to the Engineer no later than the end of the next working day. The  
39            Contractor may use alternate forms if approved by the Engineer. Diary  
40            entries shall include, but not be limited to:

41

42                    a. Time of day when signs and traffic control devices are installed  
43                    and removed,

44                    b. Location and condition of signs and traffic control devices,

45                    c. Revisions to the traffic control plan,

46                    d. Lighting utilized at night, and

47                    e. Observations of traffic conditions.

48

49            4. Making minor revisions to the traffic control plan to accommodate site  
50            conditions provided that the original intent of the traffic control plan is  
51            maintained and the revision has the concurrence of both the Contractor  
52            and the Engineer.

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- 5. Attending traffic control coordinating meetings or coordination activities as necessary for full understanding and effective performance.
- Ensuring that all needed traffic control devices and equipment are available and in good working condition prior to the need to install or utilize them.
- 7. Patrolling and maintaining traffic control as described in Section 1-10.3(2)E.

The TCS may perform the work described in Section 1-10.3(1)A **Flaggers and Spotters** or in Section 1-10.3(1)B **Other Traffic Control Labor** and be compensated under the bid item "Traffic Control Labor", provided that the duties of the TCS are accomplished.

(August 2, 2004)  
Section 1-10.2(1) is supplemented with the following:

The Traffic Control Supervisor shall be certified by one of the following:

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

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

**MEASUREMENT**

(August 2, 2004)  
Section 1-10.4(1) is supplemented with the following:

The proposal contains the item "Project Temporary Traffic Control," lump sum. The provisions of Section 1-10.4(1) shall apply.

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**DIVISION 2  
EARTHWORK**

13  
14

**CLEARING, GRUBBING, AND ROADSIDE CLEANUP**

15 (2/21/06) Sk. Co.

16 Clearing limits will be as shown in the plans.

17 Area to be cleared and grubbed is approximately 0.15 acres.

18  
19  
20

**2-01.4 MEASUREMENT**

21 (6/11/08) Sk. Co.

22 Section 2-01.4 is deleted and replaced with the following:

23 No unit of measurement shall apply to the price for Clearing, Grubbing and Roadside  
24 cleanup.

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**2-01.5 PAYMENT**

30 (6/11/08) Sk. Co.

31 Section 2-01.5 is deleted and replaced with the following:

32 All cost for Clearing, Grubbing and Roadside Cleanup shall be incidental to the work  
33 and shall be included in the other Contract pay items.

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**REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

**2-02.1 DESCRIPTION**

(5/11/06) Sk. Co.

Section 2-02.1 is supplemented with the following:

The following item shall be removed and disposed of off the project site.

Multi-Plate Pipe-Arch culvert ( 96" dia. x 40' long) – 1 each

Boulders around the opening of the culvert shall be removed, salvaged, and stored onsite for re-use as a headwall on the new culvert, as directed by the Engineer.

Contractor shall salvage 5 Jersey Barrier Sections from job site and transport to WSDOT Storage Yard.

1 **2-02.3 CONSTRUCTION REQUIREMENTS**

2

3 (4/10/08) Sk. Co.

4 Section 2-02.3 is supplemented with the following:

5

6 Disposal of all materials shall be in accordance with applicable state and local  
7 regulations.

8

9 ***Salvage of Removed Structure Items***

10 Jersey Barrier Sections onsite shall remain the property of the Contracting Agency.

11

12 The Contractor shall transport the specified salvaged items to the following location:

13

14 WSDOT Storage Yard

15 1.3 miles East of Interstate 5 on State Route 534

16 Across from Hermway Heights Road

17

18 The Contractor shall contact the Engineer at least five working days prior to scheduled  
19 delivery of the items to confirm delivery arrangements.

20

21 **2-02.5 PAYMENT**

22

23 (4/10/08) Sk. Co.

24 Section 2-02.5 is supplemented with the following:

25

26 The removal and disposal item quantities included above are to be included in the lump  
27 sum bid price for "Removal of Structures and Obstructions". They are estimates only,  
28 and are provided for Contractor convenience as a basis of bid. The Contractor shall  
29 verify the listed approximate quantities before bidding. The unit price bid for "Removal of  
30 Structures and Obstructions" shall include all work shown on the Drawings and/or  
31 specified in Section 2-02 whether listed above or not.

32

33 **ROADWAY EXCAVATION AND EMBANKMENT**

34

35 **2-03.1 DESCRIPTION**

36

37 (4/10/08) Sk. Co.

38 Section 2-03.1 is supplemented with the following:

39

40 All excavation for the project shall be included in bid item "Roadway Excavation  
41 Including Haul."

42

43 **MEASUREMENT**

44 Section 2-03.4 is supplemented with the following:

45

46 (March 13, 1995)

47 Only one determination of the original ground elevation will be made on this project.  
48 Measurement for roadway excavation and embankment will be based on the original  
49 ground elevations recorded previous to the award of this contract. Control stakes will be  
50 set during construction to provide the Contractor with all essential information for the  
51 construction of excavation and embankments.

1 If discrepancies are discovered in the ground elevations which will materially affect the  
2 quantities of earthwork, the original computations of earthwork quantities will be  
3 adjusted accordingly.  
4

5 Earthwork quantities will be computed, either manually or by means of electronic data  
6 processing equipment, by use of the average end area method or by the finite element  
7 analysis method utilizing digital terrain modeling techniques.  
8

9 Copies of the ground cross-section notes will be available for the bidder's inspection,  
10 before the opening of bids, at the Project Engineer's office and at the Region office.  
11

12 Upon award of the contract, copies of the original ground cross-sections will be  
13 furnished to the successful bidder on request to the Project Engineer.  
14

## 15 **STRUCTURE EXCAVATION**

### 16 **2-09.1 DESCRIPTION**

17 (5/6/08) Sk. Co.

18 Section 2-09.1 is supplemented with the following:  
19

20 The contractor shall dewater the project area both before and during construction as  
21 required to safely complete the work as specified in the plans and these specifications.  
22 Coffers shall be installed and maintained as required, and the water in adjacent  
23 ditches shall be closely monitored and maintained at safe levels. The Contractor shall  
24 also meet all requirements of the Washington State Department of Fish and Wildlife  
25 Hydraulics Permit.  
26  
27  
28

### 29 **2-09.3 CONSTRUCTION REQUIREMENTS**

30 (5/6/08) Sk. Co.

31 Section 2-09.3 is supplemented with the following:  
32

33 Due to extensive ground water condition, any water entering the work area shall  
34 continuously be contained and removed to a depth below the bottom of the deepest  
35 excavation, until the Multi-Plate Pipe-Arch has been set in place and backfilled. Water  
36 removed from the work area shall be treated by means of approved Washington State  
37 DOE BMP'S in accordance with the 2005 Stormwater Manual.  
38  
39

40 The contractor shall ensure that water surface elevation does not exceed 6-inches  
41 difference between both the upstream and downstream sides on the exterior of the work  
42 area.  
43

44 The contractor shall submit a dewatering plan indicating the methods, equipment, and  
45 any treatment procedures used to dewater the work area. The dewatering plan shall be  
46 submitted at the preconstruction meeting. Any changes to this dewatering plan shall be  
47 approved by the Engineer prior to implementation.

1 **2-09.4 MEASUREMENT**

2

3 (5/6/08) Sk. Co.

4 Section 2-09.4 is supplemented with the following:

5

6 Measurement for “Dewatering/Diversion and Care of Water” shall be paid per day.

7

8 **2-09.5 PAYMENT**

9

10 (5/6/08) Sk. Co.

11 Section 2-09.5 is supplement with the following:

12

13 “Dewatering/Diversion and Care of Water”, per day.

14

15 The per day Contract price for “Dewatering/Diversion and Care of Water” shall be full  
16 pay for all costs associated with the construction, maintenance, and removal of  
17 cofferdams or dams; dewatering of the work zone, control of surface or sub-surface  
18 water, pumping, diversion of ditch water, and monitoring of water levels necessary for  
19 construction of the project.

**DIVISION 4  
BASES**

1  
2  
3

4 **GRAVEL BASE**

5 (1/9/98) Sk. Co.

6

7 **MATERIALS**

8 Section 4-02.2 is supplemented with the following:

9

10 Materials shall meet the requirements of the following section and these Special  
11 Provisions.

12

13 **CONSTRUCTION REQUIREMENTS**

14 Section 4-02.3 is supplemented with the following:

15

16 The Contractor shall use the "Road Mix Method" for mixing, placing and spreading  
17 gravel base, as outlined in Sections 4-04.3(3)2 and 4-04.3(4)2.

18

19 **MEASUREMENT**

20 Section 4-02.4 is deleted and replaced with the following:

21

22 "Gravel Base Including Haul" shall be measured by the ton.

23

24 **PAYMENT**

25 Section 4-02.5, delete the second paragraph and replace with the following:

26

27 "Gravel Base Including Haul" per ton.

28

29 **BALLAST AND CRUSHED SURFACING**

30 **MATERIALS**

31

32 (8/11/03) Sk. Co.

33 Section 4-04.2, delete the first sentence and replace with the following:

34

35 Materials shall meet the requirements of the following section and these Special  
36 Provisions.

37

38 **CONSTRUCTION REQUIREMENTS**

39

40 (8/11/03) Sk. Co.

41 Section 4-04.3 is supplemented with the following:

42

43 The Contractor shall use the "Road Mix Method" for mixing, placing and spreading  
44 crushed surfacing, as outlined in Sections 4-04.3(3)2 and 4-04.3(4)2 of the Standard  
45 Specifications.

1 **MEASUREMENT**

2

3 (8/11/03) Sk. Co.

4 Section 4-04.4, the first sentence of the second paragraph is revised to read:

5

6 "Crushed Surfacing Top Course Including Haul" shall be measured by the ton.

7

8 **PAYMENT**

9

10 (8/11/03) Sk. Co.

11 Section 4-04.5, delete the second paragraph and replace with the following:

12

13 "Crushed Surfacing Top Course Including Haul," per ton

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4

**DIVISION 5  
SURFACE TREATMENTS AND PAVEMENTS**

5  
6

**HOT MIX ASPHALT**

7  
8

**DESCRIPTION**

9  
10

Section 5-04.1 is revised to read:

11  
12

(4/3/07) SK. CO.

13  
14

This work shall consist of providing and placing one or more layers of plant-mixed hot mix asphalt (HMA) on a prepared foundation or base in accordance with these Specifications and the lines, grades, thicknesses, and typical cross-sections shown in the Plans.

15  
16

HMA shall be HMA Class ½ PG 58-22, prepared according to a verified mix design.

17  
18

All joints between existing asphalt pavements, roadways, driveways, and newly placed HMA shall be sealed.

19  
20

(3/23/07) SK. CO.

21  
22

Place 3" of compacted HMA CL ½ PG 58-22 as per plans.

23  
24

***Conditioning of Existing Surface***

25  
26

**Preparation Of Existing Surfaces**

27  
28

Section 5-04.3(5)A is supplemented with the following:

29  
30

(NWR February 9, 2004)

31  
32

The Contractor shall limit the amount of tack coat placed to that amount that will be fully covered by the asphalt overlay at the end of each work shift.

33  
34  
35  
36  
37

In accordance with Section 1-07.15(1) **Spill Prevention, Control and Countermeasures Plan** (SPCC), as part of the SPCC the Contractor shall address the mitigating measures to be taken in the event that the paving operation is suspended or terminated prior to the asphalt for tack coat being fully covered.

38  
39

***Preparation of Aggregates***

40  
41

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

42  
43

Section is deleted and replaced with:

44  
45

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

- 46  
47  
48  
49  
50  
51
1. **General.** Prior to the production of HMA, the Contractor shall determine a design aggregate structure and asphalt binder content in accordance with WSDOT Standard Operating Procedure 732. Once the design aggregate structure and asphalt binder content have been determined, the Contractor shall submit the HMA mix design on DOT form 350-042 demonstrating the design meets the requirements of Sections 9-03.8(2) and 9-03.8(6). Verification of the mix design by the Contracting Agency is not needed. The Project Engineer will determine anti-strip requirements for the HMA.

- 1 The mix design will be the initial Job Mix Formula (JMF) for the class of mix.  
2 Any additional adjustments to the JMF will require the approval of the Project  
3 Engineer and may be made per Section 9-03.8(7).  
4
- 5 **2. Commercial Evaluation.** Where Commercial HMA is allowed it can be  
6 accepted by a Manufacturer's Certificate of Compliance stating the material  
7 meets the requirements in the contract Special Provisions. Where HMA  
8 Commercial is used for the traveled way, a minimum of one acceptance test to  
9 verify gradation, sand equivalent, and oil content is required in addition to the  
10 Manufacturer's Certificate of Compliance.  
11

## 12 **Mixing**

### 13 **5-04.3(8)A, Acceptance Sampling and Testing – HMA Mixture**

14 Items 1 & 2 are deleted and replaced with:

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

- 17
- 18 **1. General.** Acceptance of all HMA shall be by **commercial evaluation**.  
19

20 Sampling of HMA for nonstatistical evaluation will be as discussed in WSDOT  
21 Standard Specifications for Road, Bridge, and Municipal Construction, 2006  
22 edition, section 5-04.3(8)A, sections 3 through 6.  
23

24 Commercial evaluation will be used for Commercial HMA and other classes of  
25 HMA as allowed by the contract. Commercial HMA may be used for amounts  
26 of HMA less than 2500 tons in any application. Testing beyond that specified  
27 in 5-04.3(7)A, item 3 for Commercial HMA will be at the discretion of the  
28 engineer. Anti-strip additive, where required, will be verified and documented  
29 by the engineer.  
30

- 31 **2. Aggregates.** The acceptance criteria for aggregate properties of sand  
32 equivalent, voids in mineral aggregate (VMA), fracture and gradation will be  
33 their conformance to the requirements of Section 9-03.8(2) the Standard  
34 Specification, 2006 edition.  
35

### 36 **5-04.3(8)A, Acceptance Sampling and Testing – HMA Mixture**

37 Item 4, second paragraph is deleted.  
38

### 39 **5-04.3(8)A, Acceptance Sampling and Testing – HMA Mixture**

40 Item 7 is deleted.  
41

## 42 **Compaction**

### 43 **5-04.3(10)B Control**

44 (NWR March 1, 2004)

45 The first sentence of item 1 in Section 5-04.3(10)B is revised to read:  
46

47

48 HMA used in traffic lanes, including lanes for ramps, truck climbing, weaving,  
49 speed change, and shoulders, and having a specified compacted course  
50 thickness greater than 0.10 foot, shall be compacted to a specified level of  
51 relative density.

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**Joints**

**Transverse Joints**

(3/10/08) Sk. Co

The full depth end of each lane cut shall be squared off to form a uniform transverse joint. The Contractor shall construct and maintain a temporary HMA wedge in accordance with Section 5-04.3(12)A across the entire width of the transverse edge when traffic is allowed on the excavated surface prior to paving. The wedge shall be constructed before opening the lane to traffic. The Contractor shall remove the wedge immediately prior to paving.

**HMA Road Approaches**

Section 5-04.3(15) is supplemented with the following:

(5/24/06) Sk. Co.

All driveways, walkways, and field accesses shall be paved a minimum of four feet from the edge of the pavement or as directed by the Engineer. No “wing out” of the paving machine during mainline paving will be allowed for the approaches.

**Paving Under Traffic**

The last paragraph of Section 5-04.3(17) is deleted and replaced with the following:

(5/24/06) Sk. Co.

All costs in connection with performing the work in accordance with these requirements shall be included in the unit contract prices for the various bid items involved in the contract.

**5-04.4 MEASUREMENT**

Section 5-04.4 is supplemented with the following:

(5/17/06) Sk. Co.

HMA CL ½” PG 58-22 shall be measured per ton based on stamped truck tickets.

There is no specific unit of measurement for asphalt tack coat. All costs are included in the unit price per ton of HMA CL ½” PG 58-22.

There is no specific unit of measurement for Anti-Stripping Additive. All costs are included in the unit price per ton of HMA Class ½” PG 58-22.

**5-04.5 PAYMENT**

Section 5-04.5 is supplemented with the following:

(3/23/07) Sk. Co.

All costs associated with paving main roadway and field accesses, and sealing joints, shall be incidental and included in the unit contract price per ton HMA CL ½” PG 58-22.

All costs for the tack coat are included in the unit price per HMA CL ½” PG 58-22.

All costs for Asphalt Tack Coat are included in the unit price per ton of “HMA Class ½” PG 58-22”.

1 All costs for labor, equipment and materials necessary to seal the joints between  
2 existing pavement and new HMA shall be included in the unit contract price for "HMA  
3 Class ½" PG 58-22".  
4

5 Anti-stripping additive, if required, shall be incidental to and included in the unit contract  
6 price for "HMA CL. ½" PG 58-22".  
7

### 8 **Quality Assurance Price Adjustments**

9

#### 10 **5-04.5(1)A Price Adjustments for Quality of HMA Mixture**

11 (\*\*\*\*\*)

12 Items 1-3 are deleted and replaced with:

13  
14 A pay factor will be calculated for sieves listed in Section 9-03.8(7) for the class  
15 of HMA and for the asphalt binder.  
16

- 17 1. **Commercial Evaluation.** If sampled and tested, HMA produced under  
18 Commercial Evaluation and having all constituents falling within the  
19 tolerance limits of the job mix formula shall be accepted at the unit  
20 contract price with no further evaluation. When one or more constituents  
21 fall outside the commercial acceptance tolerance limits in Section 9-  
22 03.8(7), the lot shall be evaluated to determine the appropriate CPF. The  
23 commercial tolerance limits will be used in the calculation of the CPF and  
24 the maximum CPF shall be 1.00. When less than three sublots exist,  
25 backup samples of the existing sublots or samples from the street shall be  
26 tested to provide a minimum of three sets of results for evaluation.  
27

28 For each lot of HMA produced under Nonstatistical or Commercial Evaluation  
29 when the calculated CPF is less than 1.00, a Nonconforming Mix factor  
30 (NCMF) will be determined. THE NCMF equals the algebraic difference of  
31 CPF minus 1.00 multiplied by 60 percent. The Job Mix Compliance Price  
32 Adjustment will be calculated as the product of the NCMF, the quantity of HMA  
33 in the lot in tons, and the unit contract price per ton of the mix.  
34

35 If a constituent is not measured in accordance with these Specifications, its  
36 individual pay factor will be considered 1.00 in calculating the composite pay  
37 factor.  
38

#### 39 **5-04.5(1)B Price Adjustments for Quality of HMA Compaction**

40 Section is deleted and replaced with:

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

42 The maximum CPF of a compaction lot is 1.00  
43

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

**DIVISION 7  
DRAINAGE STRUCTURES, STORM SEWERS, SANITARY  
SEWERS, WATER MAINS, AND CONDUITS**

**CULVERTS**

**7-03.1 DESCRIPTION**

(4/14/08) Sk.Co.

Section 7-03.1 is supplemented with the following:

The contractor shall arrange to have Multi-Plate Pipe-Arch culvert, supplied by the Contracting Agency, transported from Skagit County Burlington Road Maintenance Shop, located at (201 East Avon Ave., Burlington, WA 98223), to the job site. Contractor shall then install the Multi-Plate Pipe-Arch culvert in accordance with the plans or as determined by the Engineer. The approximate weight of the Multi-Plate Pipe-Arch Culvert is 25,000 lbs.

**7-03.4 MEASUREMENT**

(4/14/08) Sk. Co.

Section 7-03.4 is supplemented with the following:

No specific unit of measurement shall apply to the lump sum item "Installing Multi-Plate Pipe-Arch Culvert, 11'7" x 7' 5", 50 Lineal Feet."

**7-03.5 PAYMENT**

(4/14/08) Sk. Co.

Section 7-03.5 is supplemented with the following:

"Installing Multi-Plate Pipe-Arch Culvert, 11'7" x 7'5", 50 Lineal Feet." lump sum.

The lump sum contract payment shall be full compensation for all costs involving loading, unloading, transporting, setting the Multi-Plate Pipe-Arch Culvert.

1 **WATER MAINS**

2 (2/15/08) Sk. Co.

3

4 **7-09.1 DESCRIPTION**

5

6 (4/14/08) Sk. Co.

7 Section 7-09.1 is supplemented with the following:

8

9 Contractor shall remove a section of Water Main in order to allow the installation of the  
10 Multi-Plate Pipe-Arch culvert. Contractor shall coordinate with the Engineer, 10 working  
11 days prior to the removal of the Water Main so that the water may be shut off. **The**  
12 **contractor shall have the water main replaced and operational within 2 days after**  
13 **it is shut off.** Samish Farms Water Association Inc. shall provide the Contractor all  
14 pipe and pipe fittings required to replace the Water Main. Contractor shall then replace  
15 the section of Water Main after the installation of the Multi-Plate Pipe-Arch culvert per  
16 the requirements of Division 7.

17

18 **7-09.4 MEASUREMENT**

19

20 (4/14/08) Sk. Co.

21 Section 7-09.4 is supplemented with the following:

22

23 No specific unit of measurement shall apply to the lump sum item "Water Main Removal  
24 and Replacement."

25

26 **7-09.5 PAYMENT**

27

28 (4/14/08) Sk. Co.

29 Section 7-09.5 is supplemented with the following:

30

31 "Water Main Removal and Replacement", lump sum.

32

33 The lump sum contract payment shall be full compensation for all costs involving  
34 exposing, disconnecting, protecting, reconnecting, and all coordination required for the  
35 removal and replacement of Water Main. The cost for the pipe and pipe fittings,  
36 supplied by Samish Farms Association Inc., shall not be included in the lump sum price.

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**DIVISION 8  
MISCELLANEOUS CONSTRUCTION**

**EROSION CONTROL AND WATER POLLUTION CONTROL**

**8-01.1 DESCRIPTION**

(4/14/08) Sk. Co.  
Section 8-01.1 is supplemented with the following:

This work shall include placing Erosion Control Blanket over disturbed area shown on the "Road Plan & Profile Sheet" in the Contract Drawings in accordance with these Special Provisions and as directed by the Engineer.

**8-01.3 CONSTRUCTION REQUIREMENTS**

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

(4/14/08) Sk.Co.  
Section 8-01.3(3) is supplemented with the following:

Prior to seeding, place Erosion Control Blanket according to Standard Plan I-60.10-00.

**8-01.4 MEASUREMENT**

(4/14/08) Sk. Co.  
The second paragraph of Section 8-01.4 is supplemented with the following:

No allowances will be made for seam overlap material.

**8-01.5 PAYMENT**

(4/14/08) Sk. Co.  
Section 8-01.5 is revised with the following:

The paragraph beginning with "'Erosion /Water Pollution Control", by force account....." and the following paragraph shall be revised and replaced with the following.

"Erosion/Water Pollution Control", by lump sum.  
Maintenance and removal of erosion and water pollution control devices including removal and disposal of sediment, stabilization and rehabilitation of soil disturbed by these activities, and any additional Work deemed necessary by the Engineer to control erosion and water pollution will be paid by lump sum.

1 **SECTION 8-15, RIPRAP**  
2 **APRIL 7, 2008**

3 **8-15.3(1) EXCAVATION FOR RIPRAP**

4 (4/10/08) Sk. Co.

5  
6 Section 8-15.3(1) is revised to read:

7  
8 The foundation for riprap shall be excavated below probable scour or to the elevation shown  
9 in the Plans, and no stone shall be laid or concrete placed until the footing is approved by  
10 the Engineer. Before placing riprap, the slopes shall be dressed to the lines and grades as  
11 staked.

12  
13 **8-15.4 MEASUREMENT**

14 (4/10/08) Sk. Co.

15  
16 Section 8-15.4 is supplemented with the following:

17  
18 No measurement shall be made for any excavation required to place Light Loose Riprap.

19  
20 **8-15.5 PAYMENT**

21 (4/10/08) Sk. Co.

22  
23 Section 8-15.5 is supplemented with the following:

24  
25 No separate payment will be made for excavation for placement of quarry spalls or riprap.  
26 This work shall be considered incidental to the placement of the riprap and all costs thereof  
27 shall be included in the unit bid price for "Light Loose Riprap".

28  
29 All costs associated with final placement of the salvaged boulders described in Section 2-  
30 02.1 shall be considered incidental to the unit bid price for "Light Loose Riprap".

31  
32  
33 **TEMPORARY PAVEMENT MARKINGS**

34  
35 **MEASUREMENT**

36  
37 Section 8-23.4 is revised to read:

38  
39  
40 (4/13/2006) Sk. Co.

41  
42 Placement of temporary striping and removal of temporary striping will not be measured  
43 and shall be incidental to "Asphalt Concrete Pavement Class 1/2", PG 58-22, Including  
44 Paving Asphalt and Tack".

1 **SANITARY REQUIREMENTS**

2 (8/11/06) Sk. Co.

3

4 **DESCRIPTION**

5

6 This item consists of placing portable sanitary stations on site.

7

8 **MEASUREMENT**

9

10 There is no measurement item for this requirement.

11

12 **PAYMENT**

13

14 There is no unit price for this item. All costs shall be incidental to all bid items throughout the  
15 life of the project.

DIVISION 9  
MATERIALS

1

2

3

4 **AGGREGATES**

5 **AGGREGATES FOR BALLAST AND CRUSHED SURFACING**

6

7 ***Crushed Surfacing***

8 (8/11/03) Sk. Co.

9

10 Section 9-03.9(3) is revised as follows:

11

12 The minimum value for Sand Equivalent for Top Course and Keystone of Section 9-  
13 03.9(3) is revised to read: 50

14

15 **AGGREGATE FOR GRAVEL BASE**

16

17 (4/22/88) Sk. Co.

18

19 The grading and quality requirements of Section 9-03.10 are revised as follows:

20

21 Sieve Size

Percent Passing

22

23 ¼" square opening

25-70

24

No. 200 sieve

10.0 max.

25

Dust Ratio:

$\frac{\% \text{ Passing U.S. No. 200}}{\% \text{ Passing U.S. No. 40}}$

2/3 max

26

27

Sand Equivalent

35 min.

28

29 All percentages (%) are by weight

30

31 Gravel base material retained on a ¼ inch square sieve shall contain not more than 0.20  
32 percent by weight wood waste.

1 **APPENDICES**  
2 **(JULY 12, 1999)**

3 The following appendices are attached and made a part of this contract:

4

5 APPENDIX A:  
6 Standard Plans

7

8 APPENDIX B:  
9 Wage Rates

10

11 APPENDIX C:  
12 Contract, Contract Bonds, and Prevailing Wage Scale Acknowledgement

13

14 APPENDIX D:  
15 Proposal

16

17 APPENDIX E:  
18 Vicinity Map and Plans

1 **STANDARD PLANS**

2 **APRIL 7, 2008**

3 The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-  
4 01 transmitted under Publications Transmittal No. PT 08-001, effective April 7, 2008 is made  
5 a part of this contract.  
6

7 The Standard Plans are revised as follows:  
8

9 All Standard Plans

10 All references in the Standard Plans to "Asphalt Concrete Pavement" shall be revised to  
11 read "Hot Mix Asphalt".

12 All references in the Standard Plans to the abbreviation "ACP" shall be revised to read  
13 "HMA".  
14

15 C-1 Sheet 1

16 In the TYPE 1 ALTERNATIVE, the title of the first section view is revised to INITIAL  
17 INSTALLATION  
18

19 B-10.20 and B10.40

20 Substitute "step" in lieu of "handhold" on plan  
21

22 C-1a

23 In the TYPE 11, WOOD POST ASSEMBLY, the 18" long Button Head Bolts are revised  
24 to 25" long.  
25

26 C-1b

27 In the ANCHOR POST ASSEMBLY, the above ground 7 1/2" long bolt connecting the  
28 Wood Breakaway Post to the Foundation Tube is revised to 10" long.  
29

30 C-2s

31 Delete reference to Cross-Section A.  
32

33 C-5

34 In the A CONNECTION, "Type 3 transition pay limit" is revised to "transition pay limit".  
35

36 C-8

37 END VIEW A, shows two dimensions at the connecting pin counterbore opening at the  
38 top of the view, 1 1/2" R. and below another dimension of 1 1/2" R., the bottom dimension  
39 should be 7/8" R.  
40

41 C-10 (sheet 2 of 2)

42 COVER PLATE DETAIL, dimension of the 1" dia. holes, changes from 8" to 3"  
43

44 C-11b Sheets 1 and 2

45 In the PRECAST FOOTING, ELEVATION view (Sheet 1) and in the CAST-IN-PLACE  
46 FOOTING, ELEVATION view (Sheet 2), COMMERCIAL CONCRETE is revised to  
47 CONCRETE CLASS 4000.  
48

49 In the BREAKAWAY ANCHOR ANGLE, ELEVATION view (Sheet 2), the welding  
50 symbols are revised to indicate that the 1/4" Inside Gussets have 1/4" fillet weld joints,  
51 and the 1/2" End Gussets have 1/2" fillet weld joints.

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C-12

Note 1 is revised to read:

Approved inertial barrier systems (sand barrel arrays) are listed in the Qualified Products List and shall be installed in accordance with the manufacturer's recommendations. Products not listed on the Qualified Products List are considered when submitted with a Request of Approval of Materials (RAM) form.

D-1a through D-1f

Deleted.

F-40.12 through F-40.18

The following note is added to these five plans:

Note 7. To the maximum extent feasible, the ramp cross slope shall not exceed 2%.

K-80.30-00

In the NARROW BASE, END view, the reference to Std. Plan C-8e is revised to Std. Plan K-80.35

M-1.60

COLLECTOR DISTRIBUTOR ROAD OFF- CONNECTION, taper dimensions of 225' MIN. is changed to 300' MIN.

The following are the Standard Plan numbers applicable at the time this project was advertised. The date shown with each plan number is the publication approval date shown in the lower right-hand corner of that plan. Standard Plans showing different dates shall not be used in this contract.

A-10.10-00 .....	8/07/07	A-30.15-00 .....	11/08/07	A-40.50-00.....	11/08/07
.....					
A-10.20-00 .....	10/05/07	A-30.30-00 .....	11/08/07	A-60.10-00.....	10/05/07
A-10.30-00 .....	10/05/07	A-30.35-00 .....	10/12/07	A-60.20-00.....	10/05/07
A-20.10-00 .....	8/31/07	A-40.10-00 .....	10/05/07	A-60.30-00.....	11/08/07
A-30.10-00 .....	11/08/07	A-40.20-00 .....	9/20/07	A-60.40-00.....	8/31/07
B-5.20-00 .....	6/01/06	B-30.50-00 .....	6/01/06	B-75.20-00.....	6/01/06
B-5.40-00 .....	6/01/06	B-30.70-01 .....	8/31/07	B-75.50-00.....	6/08/06
B-5.60-00 .....	6/01/06	B-30.80-00 .....	6/08/06	B-75.60-00.....	6/08/06
B-10.20-00 .....	6/01/06	B-30.90-01 .....	9/20/07	B-80.20-00.....	6/08/06
B-10.40-00 .....	6/01/06	B-35.20-00 .....	6/08/06	B-80.40-00.....	6/01/06
.....					
B-10.60-00 .....	6/08/06	B-35.40-00 .....	6/08/06	B-82.20-00.....	6/01/06
B-15.20-00 .....	6/01/06	B-40.20-00 .....	6/01/06	B-85.10-00.....	6/01/06
B-15.40-00 .....	6/01/06	B-40.40-00 .....	6/01/06	B-85.20-00.....	6/01/06
B-15.60-00 .....	6/01/06	B-45.20-00 .....	6/01/06	B-85.30-00.....	6/01/06
B-20.20-01 .....	11/21/06	B-45.40-00 .....	6/01/06	B-85.40-00.....	6/08/06
B-20.40-01 .....	11/21/06	B-50.20-00 .....	6/01/06	B-85.50-00.....	6/08/06
B-20.60-01 .....	11/21/06	B-55.20-00 .....	6/01/06	B-90.10-00.....	6/08/06
B-25.20-00 .....	6/08/06	B-60.20-00 .....	6/08/06	B-90.20-00.....	6/08/06
B-25.60-00 .....	6/01/06	B-60.40-00 .....	6/01/06	B-90.30-00.....	6/08/06
B-30.10-00 .....	6/08/06	B-65.20-00 .....	6/01/06	B-90.40-00.....	6/08/06

1	B-30.20-01 .....	11/21/06	B-65.40-00 .....	6/01/06	B-90.50-00.....	6/08/06
2	B-30.30-00 .....	6/01/06	B-70.20-00 .....	6/01/06	B-95.20-00.....	6/08/06
3	B-30.40-00 .....	6/01/06	B-70.60-00 .....	6/01/06	B-95.40-00.....	6/08/06
4						
5	C-1 .....	2/06/07	C-3b .....	10/04/05	C-13.....	4/16/99
6	C-1a .....	7/31/98	C-3c.....	6/21/06	C-13a.....	4/16/99
7	C-1b .....	10/31/03	C-3d .....	3/03/05	C-13b.....	4/16/99
8	C-1c .....	5/30/97	C-4 .....	2/21/07	C-14a.....	7/26/02
9	C-1d .....	10/31/03	C-4a .....	2/21/07	C-14b.....	7/26/02
10	C-2 .....	1/06/00	C-4b .....	6/08/06	C-14c.....	7/26/02
11	C-2a .....	6/21/06	C-4e .....	2/20/03	C-14d.....	7/26/02
12	C-2b .....	6/21/06	C-4f .....	6/30/04	C-14e.....	7/26/02
13	C-2c .....	6/21/06	C-5 .....	10/31/03	C-14f.....	9/02/05
14	C-2d .....	6/21/06	C-6 .....	5/30/97	C-14g.....	11/21/06
15	C-2e .....	6/21/06	C-6a .....	3/14/97	C-14h.....	1/11/06
16	C-2f .....	3/14/97	C-6c.....	1/06/00	C-14i.....	12/02/03
17	C-2g .....	7/27/01	C-6d .....	5/30/97	C-14j.....	12/02/03
18	C-2h .....	3/28/97	C-6f .....	7/25/97	C-14k.....	1/11/06
19	C-2i .....	3/28/97	C-7 .....	10/31/03	C-16a.....	11/08/05
20	C-2j .....	6/12/98	C-7a .....	10/31/03	C-16b.....	11/08/05
21	C-2k .....	7/27/01	C-8 .....	4/27/04	C-20.14-00 .....	2/06/07
22	C-2n.....	7/27/01	C-8a .....	7/25/97	C-20.40-00 .....	2/06/07
23	C-2o.....	7/13/01	C-8b .....	1/11/06	C-22.40-01 .....	10/05/07
24	C-2p.....	10/31/03	C-8e .....	2/21/07	C-23.60-00 .....	2/06/07
25	C-2q.....	3/03/05	C-8f .....	6/30/04	C-25.18-01 .....	9/20/07
26	C-2r.....	3/03/05	C-10 .....	7/31/98	C-25.20-01 .....	9/20/07
27	C-2s .....	3/03/05	C-11.....	5/20/04	C-25.22-01 .....	10/05/07
28	C-2t .....	3/03/05	C-11a.....	5/20/04	C-25.80-00 .....	9/20/07
29	C-3 .....	10/04/05	C-11b.....	5/20/04	C-28.40-00 .....	2/06/07
30	C-3a .....	10/04/05	C-12 .....	7/27/01		
31						
32	D-2.02-00 .....	11/10/05	D-2.36-01 .....	11/08/07	D-2.80-00 .....	11/10/05
33	D-2.04-00 .....	11/10/05	D-2.38-00 .....	11/10/05	D-2.82-00 .....	11/10/05
34	D-2.06-00 .....	11/10/05	D-2.40-00 .....	11/10/05	D-2.84-00 .....	11/10/05
35	D-2.08-00 .....	11/10/05	D-2.42-00 .....	11/10/05	D-2.86-00 .....	11/10/05
36	D-2.10-00 .....	11/10/05	D-2.44-00 .....	11/10/05	D-2.88-00 .....	11/10/05
37	D-2.12-00 .....	11/10/05	D-2.46-00 .....	11/10/05	D-2.92-00 .....	11/10/05
38	D-2.14-00 .....	11/10/05	D-2.48-00 .....	11/10/05	D-3.....	7/13/05
39	D-2.16-00 .....	11/10/05	D-2.60-00 .....	11/10/05	D-3a.....	6/30/04
40	D-2.18-00 .....	11/10/05	D-2.62-00 .....	11/10/05	D-3b.....	6/30/04
41	D-2.20-00 .....	11/10/05	D-2.64-00 .....	11/10/05	D-3c.....	6/30/04
42	D-2.30-00 .....	11/10/05	D-2.66-00 .....	11/10/05	D-4.....	12/11/98
43	D-2.32-00 .....	11/10/05	D-2.68-00 .....	11/10/05	D-6.....	6/19/98
44	D-2.34-00 .....	11/10/05	D-2.78-00 .....	11/10/05		
45						
46	E-1 .....	2/21/07	E-4.....	8/27/03		
47	E-2 .....	5/29/98	E-4a.....	8/27/03		
48						
49	F-10.12-00 .....	12/20/06	F-30.10-00.....	1/23/07	F-40.18-00.....	2/07/07
50	F-10.16-00 .....	12/20/06	F-40.10-01.....	10/05/07	F-40.16-00.....	2/07/07
51	F-10.40-00 .....	1/23/07	F-40.12-00.....	2/07/07	F-40.20-00.....	10/05/07
52	F-10.42-00 .....	1/23/07	F-40.14-00.....	2/07/07	F-42.10-00.....	10/05/07

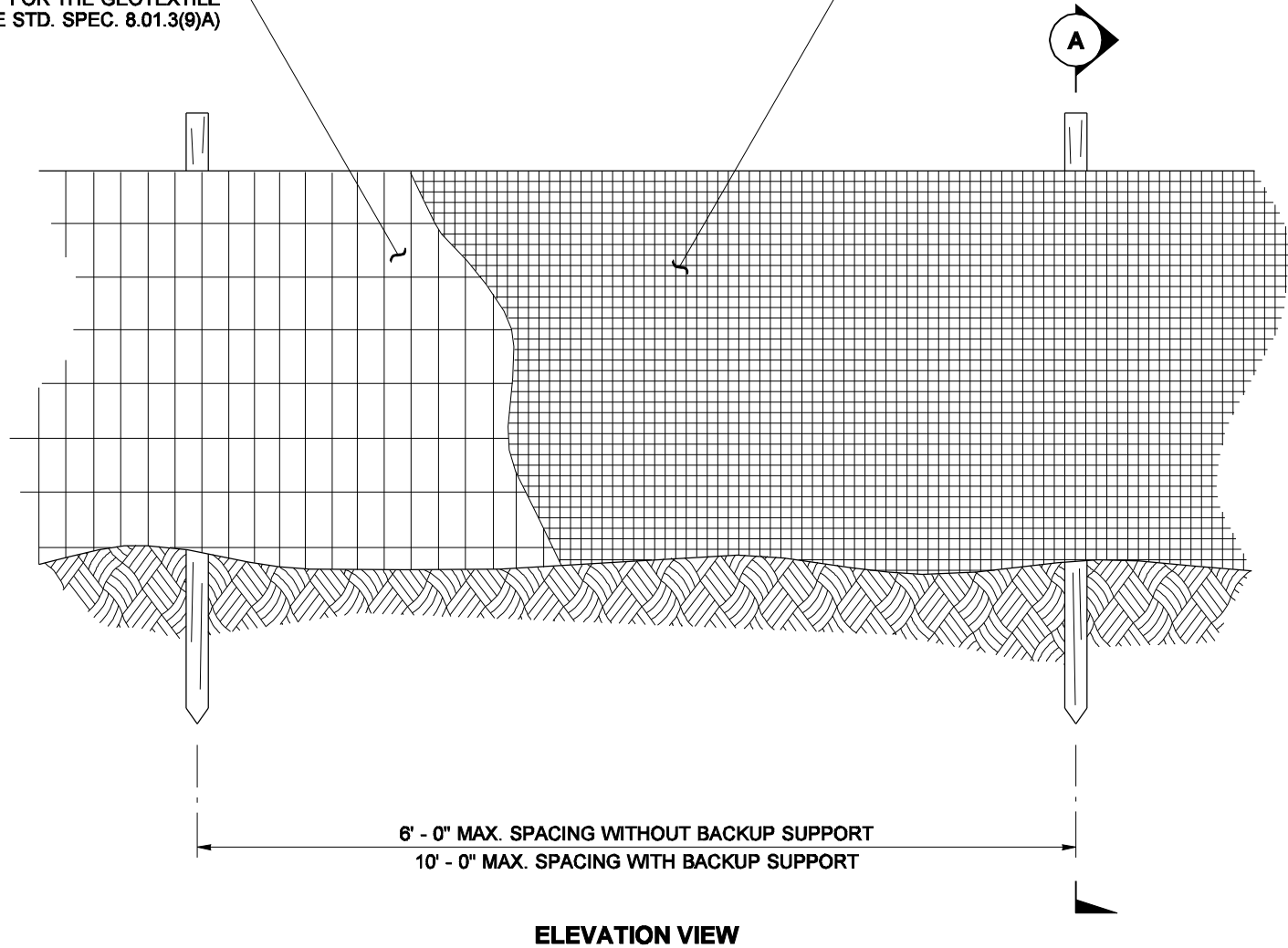
1	F-10.62-01 .....	9/05/07	F-40.15-00.....	2/07/07	F-80.10-00.....	1/23/07
2	F-10.64-01 .....	10/05/07	F-40.16-00.....	2/07/07		
3						
4	G-9a.....	6/25/02	G-24.50-00 .....	11/08/07	G-70.10-00 .....	10/5/07
5	G-10.10-00.....	9/20/07	G-24.60-00 .....	11/08/07	G-70.20-00 .....	10/5/07
6	G-20.10-00.....	9/20/07	G-25.10-00 .....	11/08/07	G-70.30-00 .....	10/5/07
7	G-22.10-00.....	11/08/07	G-30.10-00 .....	11/08/07	G-95.10-00 .....	11/08/07
8	G-24.10-00.....	11/08/07	G-50.10-00 .....	11/08/07	G-95.20-00 .....	11/08/07
9	G-24.20-00.....	11/08/07	G-60.10-00 .....	8/31/07	G-95.30-00 .....	11/08/07
10	G-24.30-00.....	11/08/07	G-60.20-00 .....	8/31/07		
11	G-24.40-00.....	11/08/07	G-60.30-00 .....	8/31/07		
12						
13	H-30.10-00.....	10/12/07	H-60.20-00 .....	9/05/07	H-70.30-00 .....	9/05/07
14	H-32.10-00.....	9/20/07	H-70.10-00 .....	9/05/07		
15	H-60.10-00.....	9/05/07	H-70.20-00 .....	9/05/07		
16						
17	I-10.10-00.....	8/31/07	I-30.50-00.....	11/14/07	I-60.10-00 .....	8/31/07
18	I-30.10-00.....	9/20/07	I-40.10-00.....	9/20/07	I-60.20-00 .....	8/31/07
19	I-30.20-00.....	9/20/07	I-40.20-00.....	9/20/07	I-80.10-00 .....	8/31/07
20	I-30.30-00.....	9/20/07	I-50.10-00.....	9/20/07		
21	I-30.40-00.....	10/12/07	I-50.20-00.....	8/31/07		
22						
23	J-1f.....	6/23/00	J-8b .....	5/20/04	J-18 .....	9/02/05
24	J-3.....	8/01/97	J-8c .....	5/20/04	J-19 .....	9/02/05
25	J-3b.....	3/04/05	J-8d .....	5/20/04	J-20 .....	9/02/05
26	J-3c.....	6/24/02	J-9a .....	4/24/98	J-28.10-00 .....	8/07/07
27	J-3d.....	11/05/03	J-10 .....	7/18/97	J-28.22-00 .....	8/07/07
28	J-5.....	8/01/97	J-11a .....	10/12/07	J-28.24-00 .....	8/07/07
29	J-6c.....	4/24/98	J-11b .....	9/02/05	J-28.26-00 .....	8/07/07
30	J-6f.....	4/24/98	J-11c.....	6/21/06	J-28.30-00 .....	8/07/07
31	J-6g.....	12/12/02	J-12 .....	11/08/05	J-28.40-00 .....	8/07/07
32	J-6h.....	4/24/98	J-15a .....	10/04/05	J-28.42-00 .....	8/07/07
33	J-7a.....	9/12/01	J-15b .....	10/04/05	J-28.45-00 .....	8/07/07
34	J-7c.....	6/19/98	J-16a .....	3/04/05	J-28.50-00 .....	8/07/07
35	J-7d.....	4/24/98	J-16b .....	9/20/07	J-28.60-00 .....	8/07/07
36	J-8a.....	5/20/04	J-16c .....	9/20/07	J-28.70-00 .....	11/08/07
37						
38	K-10.20-01 .....	10/12/07	K-26.40-01 .....	10/12/07	K-40.60-00.....	2/15/07
39	K-10.40-00 .....	2/15/07	K-30.20-00 .....	2/15/07	K-40.80-00.....	2/15/07
40	K-20.20-01 .....	10/12/07	K-30.40-01 .....	10/12/07	K-55.20-00.....	2/15/07
41	K-20.40-00 .....	2/15/07	K-32.20-00 .....	2/15/07	K-60.20-01.....	11/12/07
42	K-20.60-00 .....	2/15/07	K-32.40-00 .....	2/15/07	K-60.40-00.....	2/15/07
43	K-22.20-01 .....	10/12/07	K-32.60-00 .....	2/15/07	K-70.20-00.....	2/15/07
44	K-24.20-00 .....	2/15/07	K-32.80-00 .....	2/15/07	K-80.10-00.....	2/21/07
45	K-24.40-01 .....	10/12/07	K-34.20-00 .....	2/15/07	K-80.20-00.....	12/20/06
46	K-24.60-00 .....	2/15/07	K-36.20-00 .....	2/15/07	K-80.30-00.....	2/21/07
47	K-24.80-01 .....	10/12/07	K-40.20-00 .....	2/15/07	K-80.35-00.....	2/21/07
48	K-26.20-00 .....	2/15/07	K-40.40-00 .....	2/15/07	K-80.37-00.....	2/21/07
49						
50	L-10.10-00.....	2/21/07	L-40.10-00.....	2/21/07	L-70.10-00.....	1/30/07
51	L-20.10-00.....	2/07/07	L-40.15-00.....	2/21/07	L-70.20-00.....	1/30/07
52	L-30.10-00.....	2/07/07	L-40.20-00.....	2/21/07		

1			
2	M-1.20-01.....	1/30/07	M-5.10-01 ..... 1/30/07
3	M-1.40-01.....	1/30/07	M-7.50-01 ..... 1/30/07
4	M-1.60-01.....	1/30/07	M-9.50-01 ..... 1/30/07
5	M-1.80-02.....	8/31/07	M-11.10-01 ..... 1/30/07
6	M-2.20-01.....	1/30/07	M-15.10-01 ..... 2/06/07
7	M-2.40-01.....	1/30/07	M-17.10-01 ..... 1/30/07
8	M-2.60-01.....	1/30/07	M-20.10-01 ..... 1/30/07
9	M-3.10-01.....	1/30/07	M-20.20-01 ..... 1/30/07
10	M-3.20-01.....	1/30/07	M-20.30-01 ..... 1/30/07
11	M-3.30-01.....	1/30/07	M-20.40-01 ..... 1/30/07
12	M-3.40-01.....	1/30/07	M-20.50-01 ..... 1/30/07
13	M-3.50-01.....	1/30/07	M-24.20-01 ..... 5/31/06
14			
15			
			M-24.40-01 .....5/31/06
			M-24.60-02 .....2/06/07
			M-40.10-00 .....9/20/07
			M-40.20-00 .....10/12/07
			M-40.30-00 .....9/20/07
			M-40.40-00 .....9/20/07
			M-40.50-00 .....9/20/07
			M-40.60-00 .....9/20/07
			M-60.10-00 .....9/05/07
			M-60.20-00 .....9/05/07
			M-65.10-00 .....9/05/07

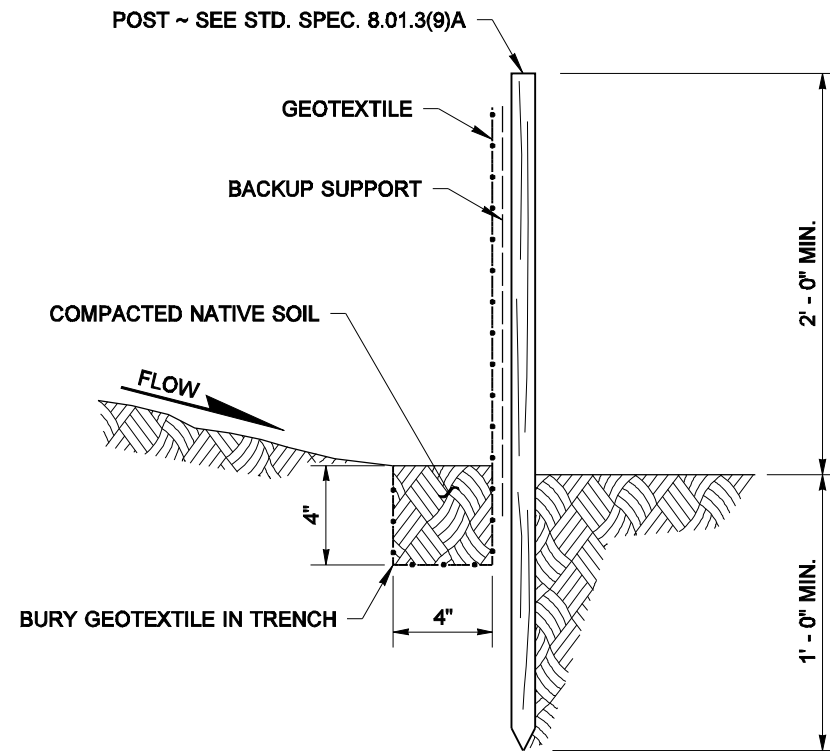
**APPENDIX A**  
**Standard Plans**

WHEN SPECIFIED IN THE CONTRACT, INSTALL BACKUP SUPPORT FOR THE GEOTEXTILE ~ SEE STD. SPEC. 8.01.3(9)A

GEOTEXTILE FOR TEMPORARY SILT FENCE ~ SEE STD. SPEC. 9-33.2(1), TABLE 6



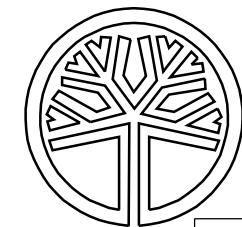
ELEVATION VIEW



SECTION A

NOTES

1. Maximize detention of stormwater by placing fence as far away from toe of slope as possible without encroaching on sensitive areas or outside of the clearing boundaries.
2. Install silt fencing along contours whenever possible.
3. Install the ends of the silt fence to point slightly up-slope to prevent sediment from flowing around the ends of the fence.
4. Perform maintenance in accordance with Standard Specifications 8.01.3(9)A and 8.01.3(15).



STATE OF WASHINGTON  
REGISTERED  
LANDSCAPE ARCHITECT

MARK W. MAURER  
CERTIFICATE NO. 000598

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SILT FENCE

STANDARD PLAN I-30.10-00

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Pasco Bakotich III 09-20-07

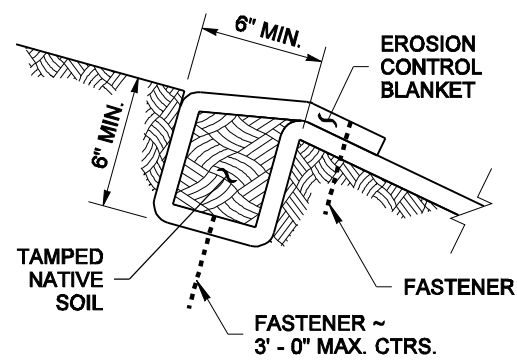
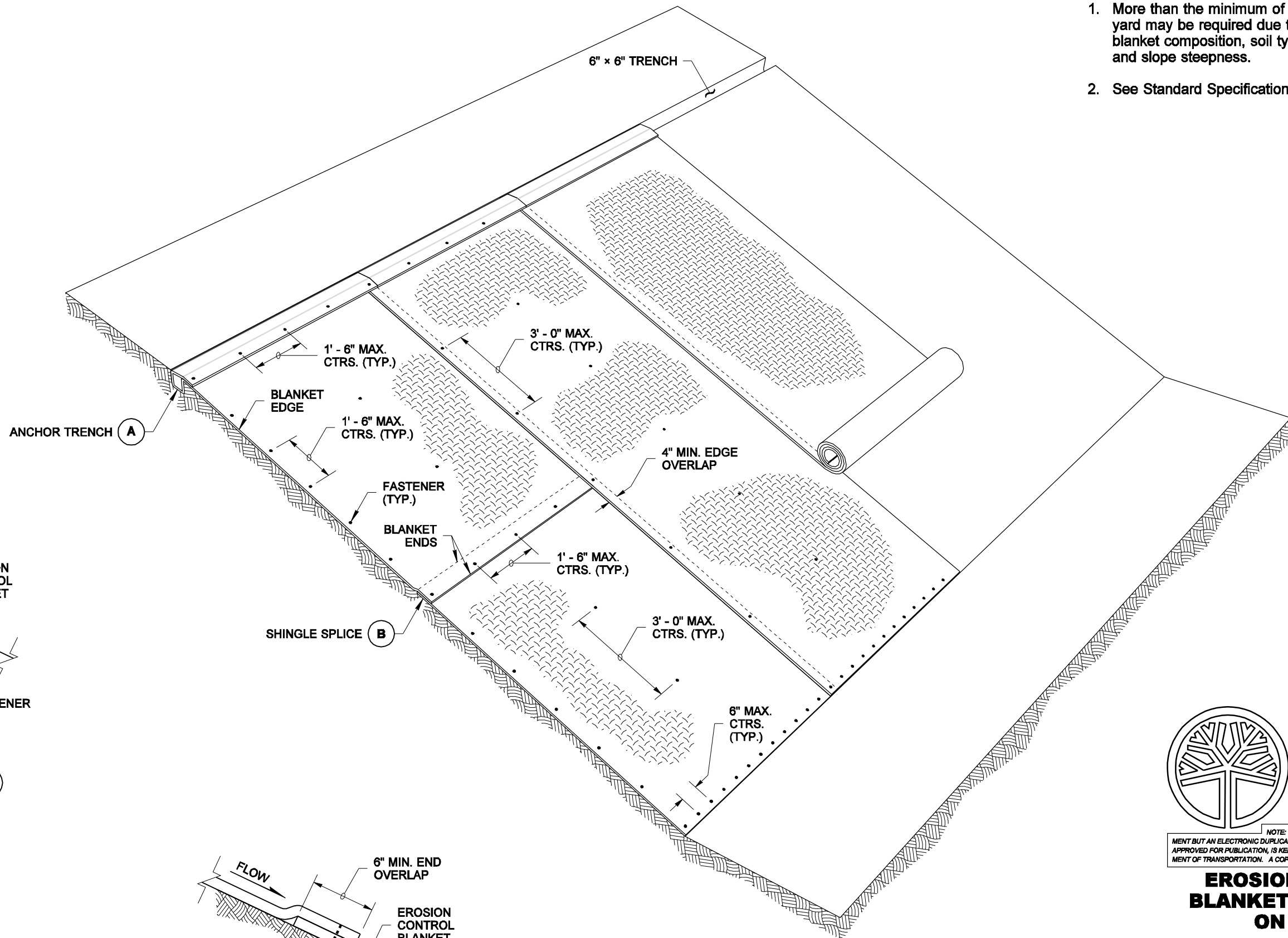
STATE DESIGN ENGINEER DATE



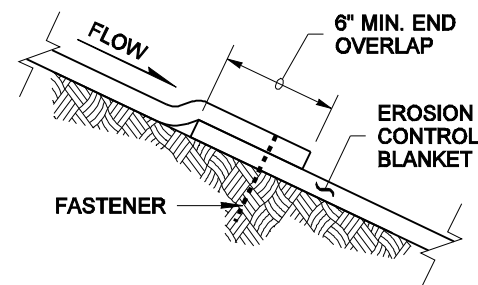
Washington State Department of Transportation

**NOTES**

1. More than the minimum of one fastener per square yard may be required due to conditions such as blanket composition, soil type, surface uniformity, and slope steepness.
2. See Standard Specification 8-01.3(3).

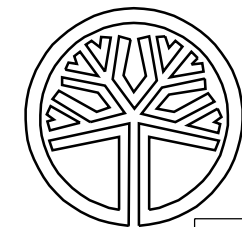


**ANCHOR TRENCH ~ SECTION A**



**SHINGLE SPLICE ~ SECTION B**

**PERSPECTIVE VIEW**



STATE OF WASHINGTON  
REGISTERED  
LANDSCAPE ARCHITECT

MARK W. MAURER  
CERTIFICATE NO. 000598

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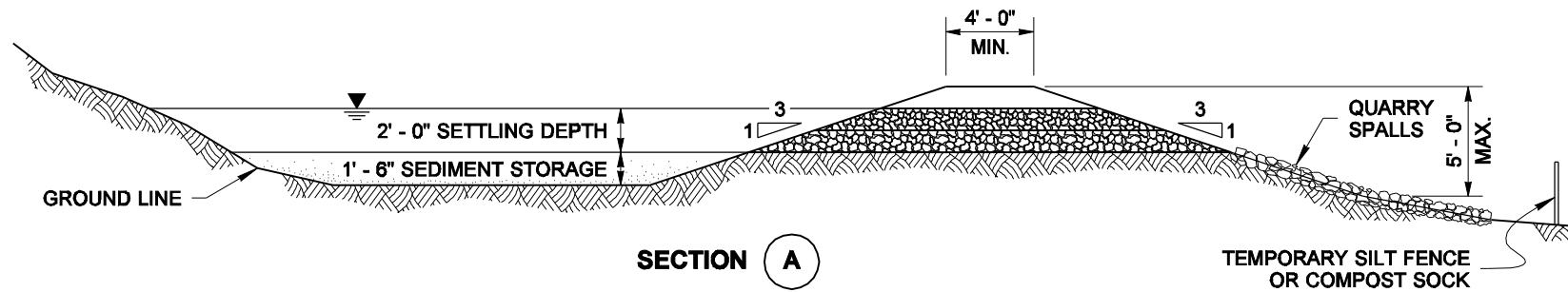
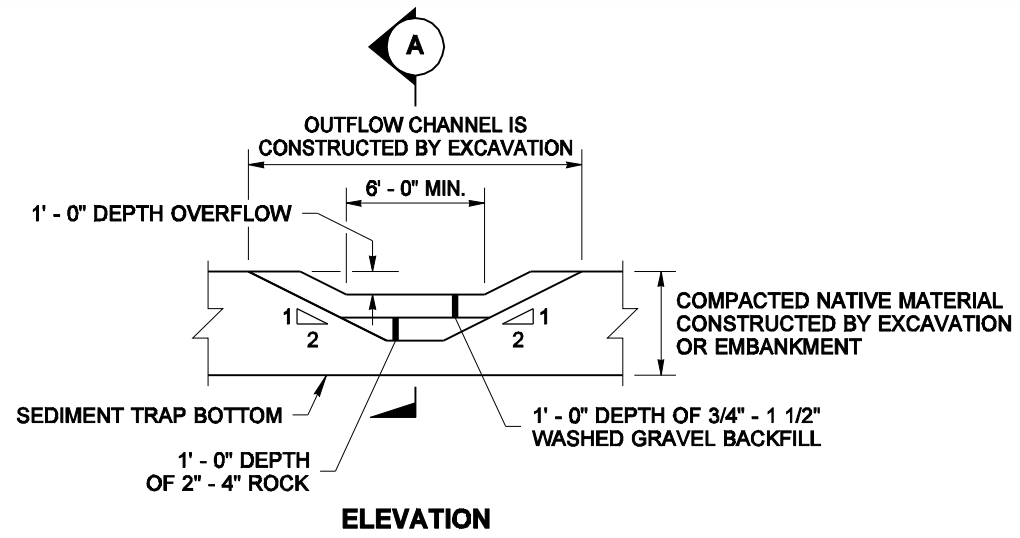
**EROSION CONTROL  
BLANKET PLACEMENT  
ON SLOPE  
STANDARD PLAN I-60.10-00**

SHEET 1 OF 1 SHEET

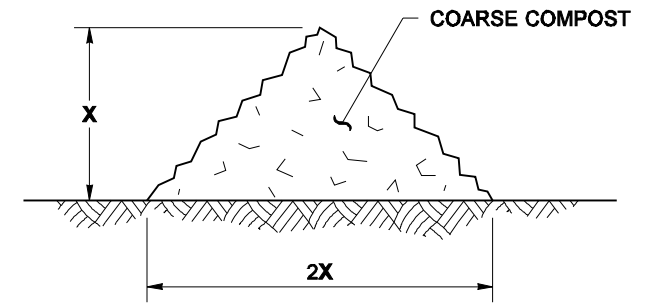
APPROVED FOR PUBLICATION

**Pasco Bakotich III** 08-31-07  
STATE DESIGN ENGINEER DATE



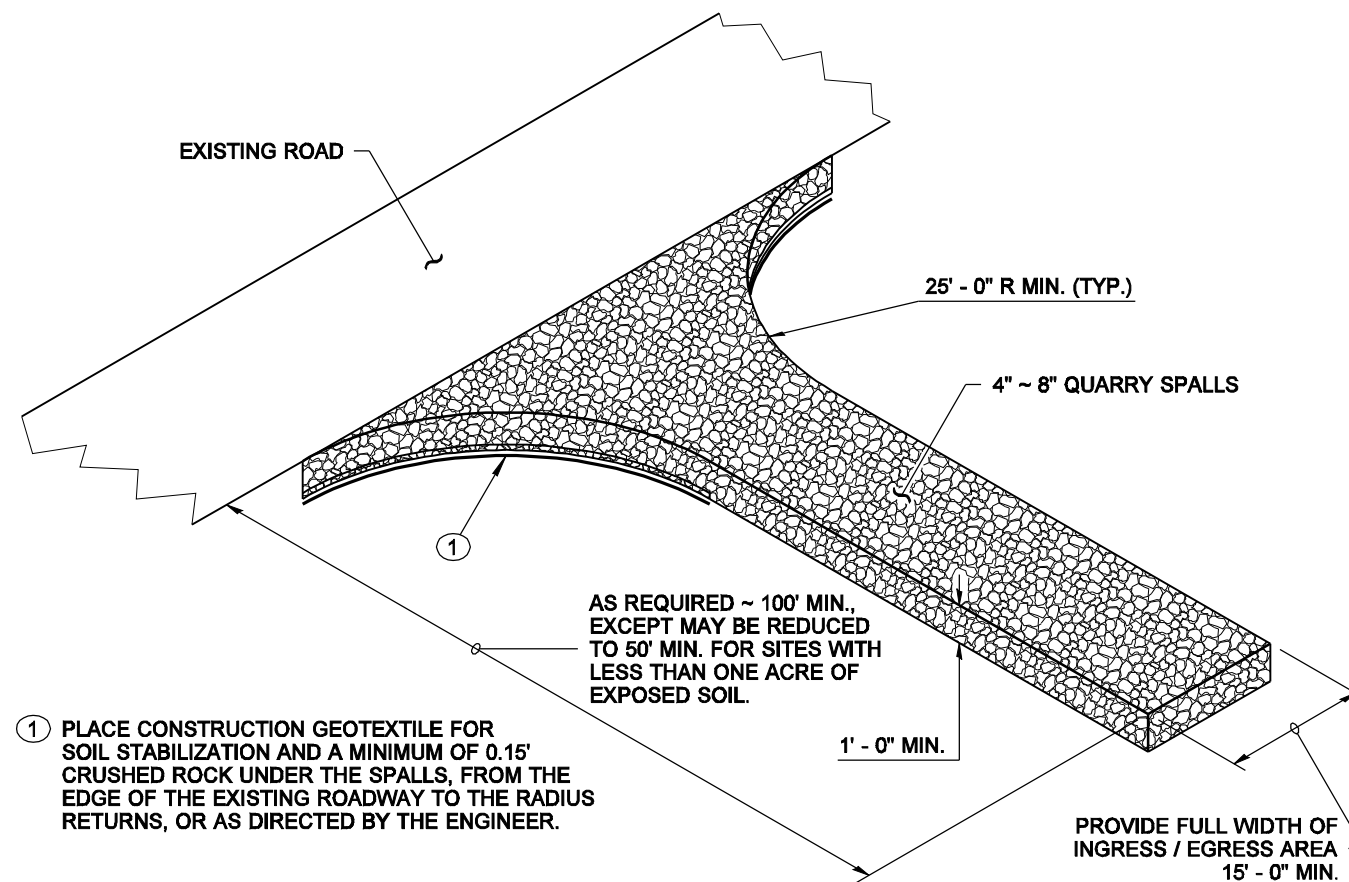


**TEMPORARY SEDIMENT TRAP**



X = 1' - 0" FOR SLOPES 4H:1V OR FLATTER  
 X = 1' - 6" FOR SLOPES STEEPER THAN 4H:1V

**TYPICAL SECTION  
 COMPOST BERM DETAIL**



**STABILIZED CONSTRUCTION ENTRANCE**

STATE OF WASHINGTON  
 REGISTERED  
 LANDSCAPE ARCHITECT

MARK W. MAURER  
 CERTIFICATE NO. 000598

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**MISCELLANEOUS  
 EROSION CONTROL DETAILS  
 STANDARD PLAN I-80.10-00**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

**Pasco Bakotich III**      **08-31-07**  
STATE DESIGN ENGINEER      DATE

LONGITUDINAL BUFFER SPACE = B									
POSTED SPEED (MPH)	25	30	35	40	45	50	55	60	65
LENGTH B (FEET)	155	200	250	305	360	425	495	570	645

BUFFER DATA	
TYPICAL PROTECTIVE VEHICLE WITH TMA (SEE NOTE 1)	
VEHICLE TYPE	LOADED WEIGHT
4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED, ETC.	MINIMUM WEIGHT 15,000 LBS. (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION)
① ROLL AHEAD STOPPING DISTANCE = 30 FEET MIN. (DRY PAVEMENT ASSUMED)	

**END ROAD WORK**  
G20-2A  
OR  
DOWNSTREAM TAPER  
TO SHOW END OF WORK  
AREA ~ SEE NOTE 5

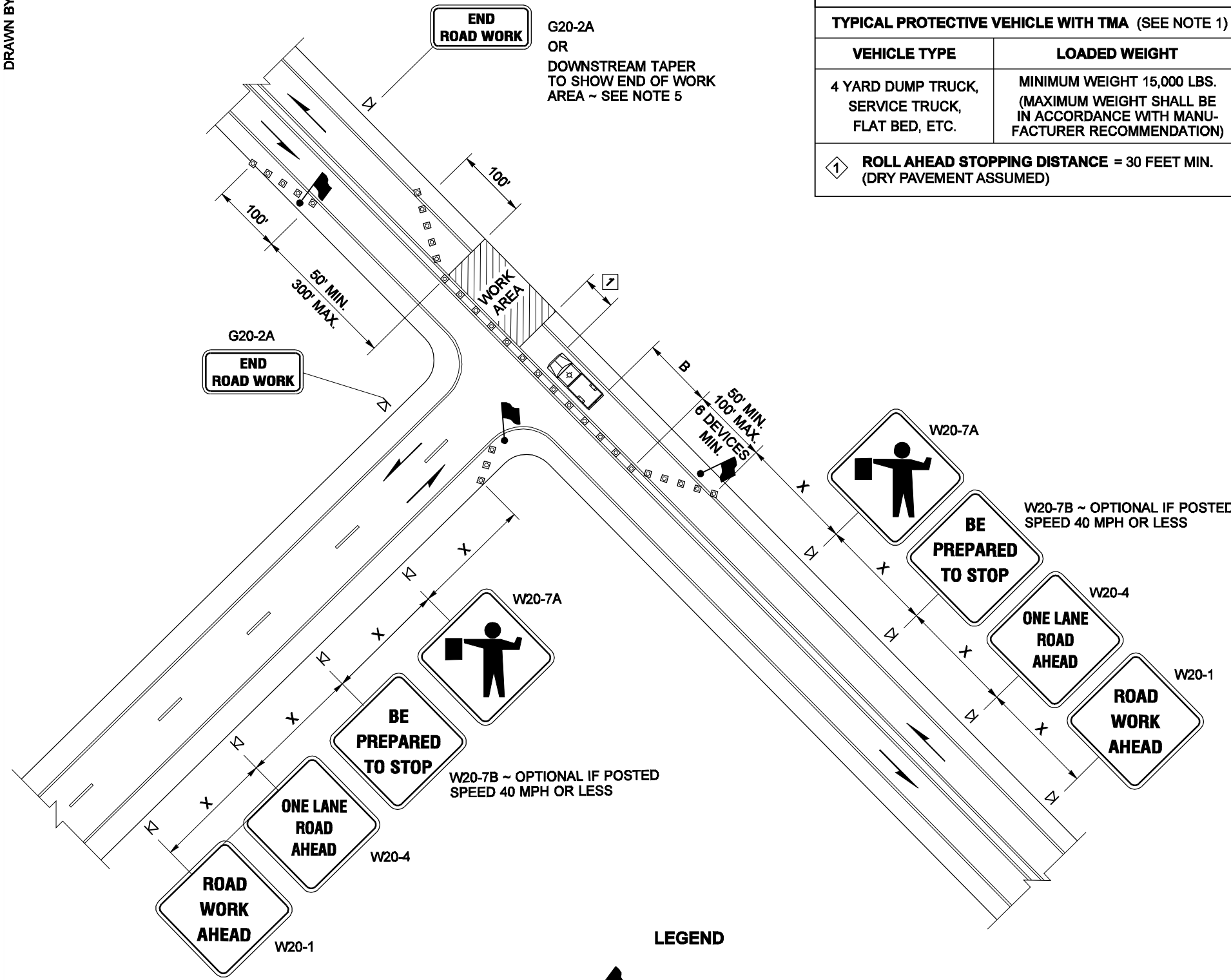
G20-2A  
**END ROAD WORK**

100'  
50' MIN.  
300' MAX.

100'  
50' MIN.  
100' MAX.  
MIN.

W20-7B ~ OPTIONAL IF POSTED  
SPEED 40 MPH OR LESS

W20-7B ~ OPTIONAL IF POSTED  
SPEED 40 MPH OR LESS



- LEGEND**
- FLAGGING STATION
  - SIGN LOCATION
  - CHANNELIZING DEVICES
  - PROTECTIVE VEHICLE ~ RECOMMENDED

**NOTES**

1. A Protective Vehicle is recommended regardless if a Truck Mounted Attenuator (TMA) is available; a work vehicle may be used. When no TMA is used, the Protective Vehicle shall be strategically located to shield workers, with no specific Roll-Ahead distance.
2. Night work requires additional roadway lighting at flagging stations. See WSDOT Standard Specifications for additional details.
3. Extend Channelizing Device taper across shoulder ~ recommended.
4. Sign sequence is the same for both directions of travel on the roadway.
5. Channelizing Device spacing for the downstream taper option shall be 20' O.C.
6. For signs size refer to Manual on Uniform Traffic Control Devices (MUTCD) and WSDOT Sign Fabrication Manual M55-05.

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)
ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE		

- (1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.
- (2) THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

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NOT FOR USE ON STATE ROUTES**



EXPIRES AUGUST 9, 2007

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**LANE CLOSURE  
WITH FLAGGER CONTROL  
STANDARD PLAN K-20.40-00**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

**Ken L. Smith**      **02-15-07**  
STATE DESIGN ENGINEER      DATE

Washington State Department of Transportation

LONGITUDINAL BUFFER SPACE = B								
POSTED SPEED (MPH)	25	30	35	40	45	50	55	60
LENGTH B (FEET)	155	200	250	305	360	425	495	570

MINIMUM TAPER LENGTH = L (FEET)										
LANE WIDTH (FEET)	POSTED SPEED (MPH)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	294	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ±
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)

ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE

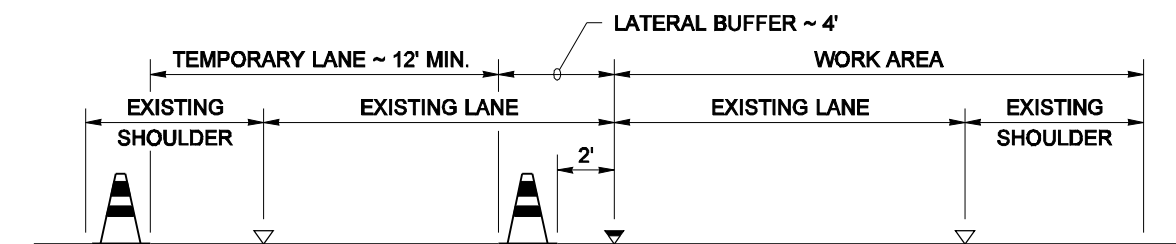
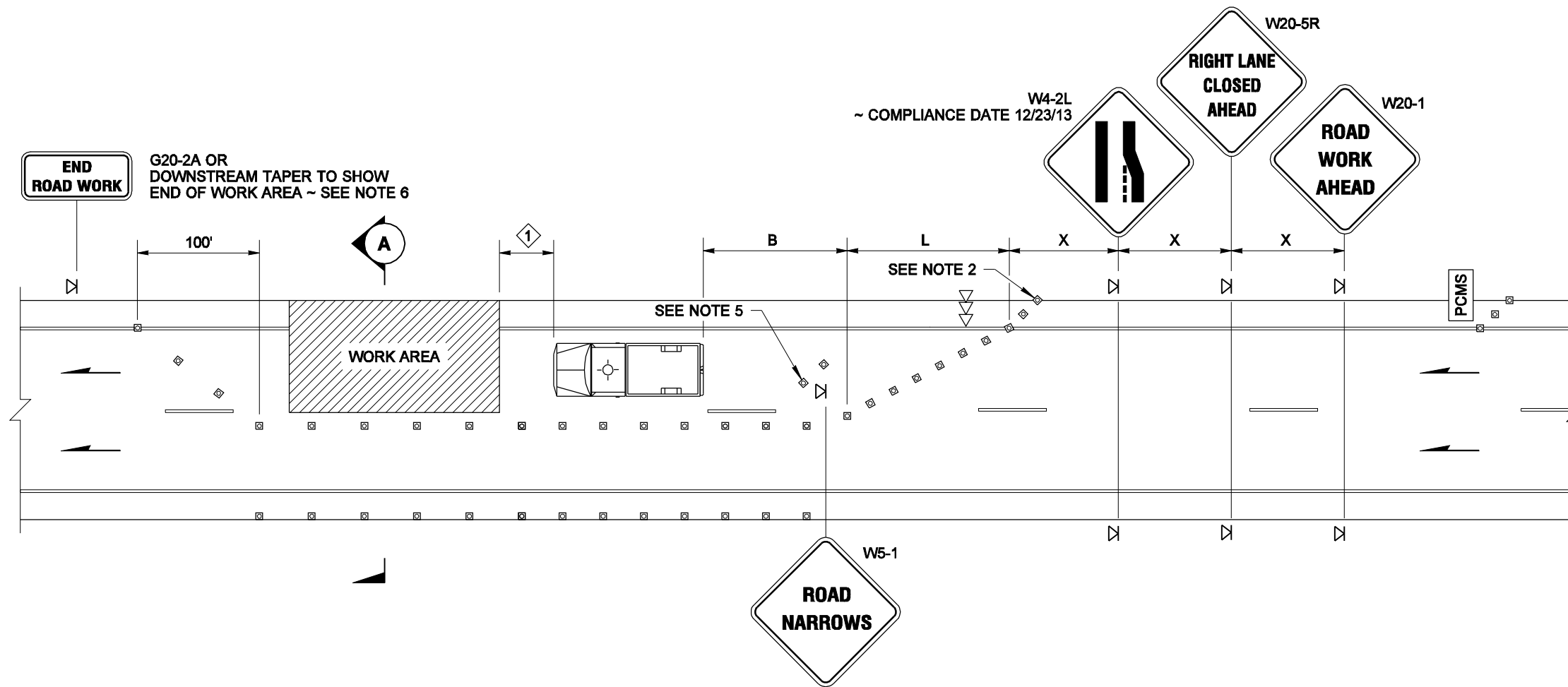
BUFFER DATA	
TYPICAL PROTECTIVE VEHICLE WITH TMA (SEE NOTE 1)	
VEHICLE TYPE	LOADED WEIGHT
4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED, ETC.	MINIMUM WEIGHT 15,000 LBS. (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION)
1 ROLL AHEAD STOPPING DISTANCE = 30 FEET MIN. (DRY PAVEMENT ASSUMED)	

CHANNELIZING DEVICE SPACING		
POSTED SPEED (MPH)	IN TAPER (FEET)	IN TANGENT (FEET)
50 / 70	40	80
35 / 45	30	60
25 / 30	20	40

- (1) ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE AT-GRADE INTERSECTIONS, AND DRIVEWAYS.
- (2) THIS SIGN SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

**NOTES**

1. A Protective Vehicle is recommended regardless if a Truck Mounted Attenuator (TMA) is available; a work vehicle may be used. When no TMA is used, the Protective Vehicle shall be strategically located to shield workers, with no specific Roll-Ahead Stopping Distance.
2. Extend device taper (L/3) across shoulder ~ recommended.
3. Portable Changeable Message Sign (PCMS) ~ recommended.
4. Traffic Safety Drums for all tapers on high speed roadway ~ recommended.
5. Transverse Devices in closed lane every 1000' ± ~ recommended.
6. Channelizing Device spacing for the downstream taper option shall be 20' O.C.
7. Use advanced notice for any overwidth loads prior to lane closure for alternative routes if applicable ~ recommended.
8. For signs size refer to Manual on Uniform Traffic Control Devices (MUTCD) and WSDOT Sign Fabrication Manual M55-05.



**LEGEND**

- SIGN LOCATION
- CHANNELIZING DEVICES
- PROTECTIVE VEHICLE ~ RECOMMENDED
- PORTABLE CHANGEABLE MESSAGE SIGN
- ARROW PANEL
- EXISTING EDGE STRIPE
- EXISTING LANE STRIPE
- TEMPORARY TRAFFIC CONTROL DEVICE

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**SINGLE LANE CLOSURE  
WITH ENCROACHMENT**

**STANDARD PLAN K-24.20-00**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

**Ken L. Smith**      **02-15-07**

STATE DESIGN ENGINEER      DATE



LONGITUDINAL BUFFER SPACE = B										
POSTED SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH B (FEET)	SEE STD. PLAN K-40.40				360	425	495	570	645	730

MINIMUM TAPER LENGTH = L (FEET)										
SHOULDER WIDTH (FEET)	POSTED SPEED (MPH)									
	25	30	35	40	45	50	55	60	65	70
6	SEE STD. PLAN				270	300	330	360	390	420
8	K-40.40				360	400	440	480	520	560
10					450	500	550	600	650	700
LESS THAN 6	3 DEVICES MINIMUM, SPACED 10' O.C.									

BUFFER DATA	
TYPICAL PROTECTIVE VEHICLE WITH TMA (SEE NOTE 1)	
VEHICLE TYPE	LOADED WEIGHT
4 YARD DUMP TRUCK, SERVICE TRUCK, FLAT BED, ETC.	MINIMUM WEIGHT 15,000 LBS. (MAXIMUM WEIGHT SHALL BE IN ACCORDANCE WITH MANUFACTURER RECOMMENDATION)
<b>ROLL AHEAD STOPPING DISTANCE = 30 FEET MIN.</b> (DRY PAVEMENT ASSUMED)	

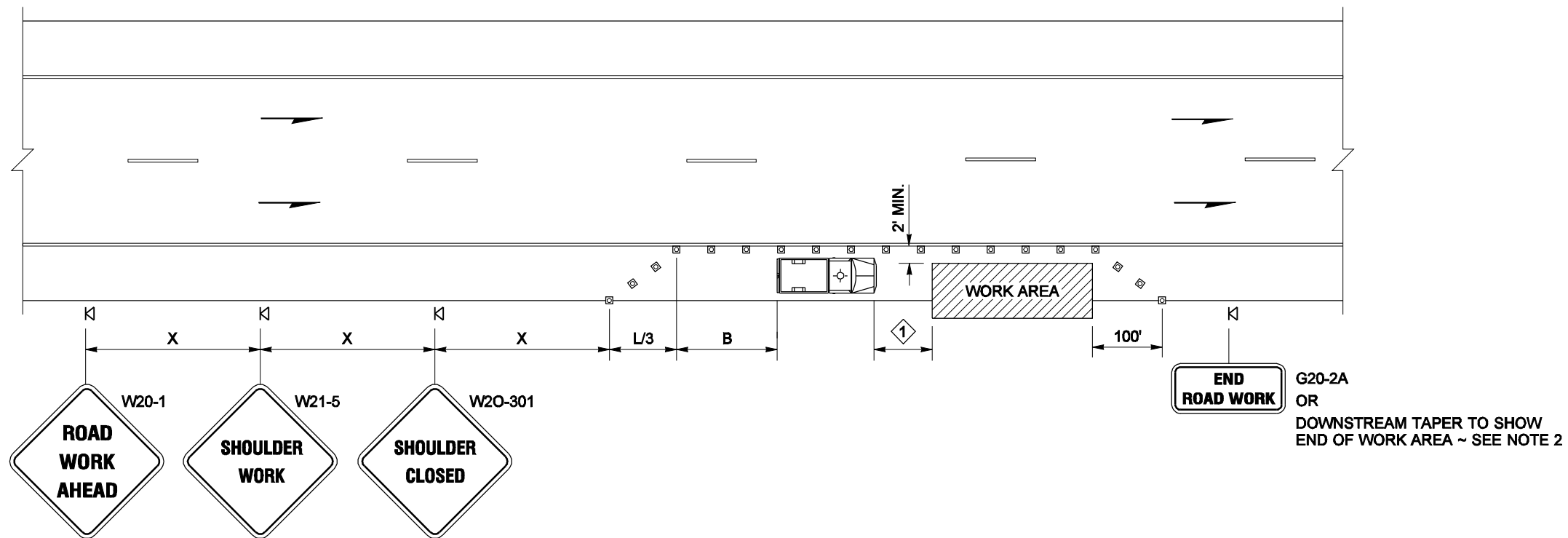
CHANNELIZING DEVICE SPACING		
POSTED SPEED (MPH)	IN TAPER (FEET)	IN TANGENT (FEET)
50 / 70	40	80
45 / 50	30	60

**NOTES**

1. A Protective Vehicle is recommended regardless if a TMA is available; a work vehicle may be used. When no TMA is used, the Protective Vehicle shall be strategically located to shield workers, with no specific Roll-Ahead distance.
2. Channelizing Device spacing for the downstream taper option shall be 20' O.C.
3. No Encroachment on the traveled lane is permitted. If Encroachment is necessary, the lane shall be closed (see Standard Plan K-24.20).
4. Signs to be post mounted for long term projects.
5. For signs size refer to Manual on Uniform Traffic Control Devices (MUTCD) and WSDOT Sign Fabrication Manual M55-05.

SIGN SPACING = X		
RURAL HIGHWAYS	60 / 65 MPH	800' ±
RURAL ROADS	45 / 55 MPH	500' ±
ALL SIGNS ARE BLACK ON ORANGE UNLESS DESIGNATED OTHERWISE		

ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS, AND DRIVEWAYS.



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EXPIRES AUGUST 9, 2007

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**SHOULDER CLOSURE  
~ HIGH SPEED ROADWAY  
(45 MPH OR HIGHER)  
STANDARD PLAN K-40.20-00**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

**Ken L. Smith**

STATE DESIGN ENGINEER

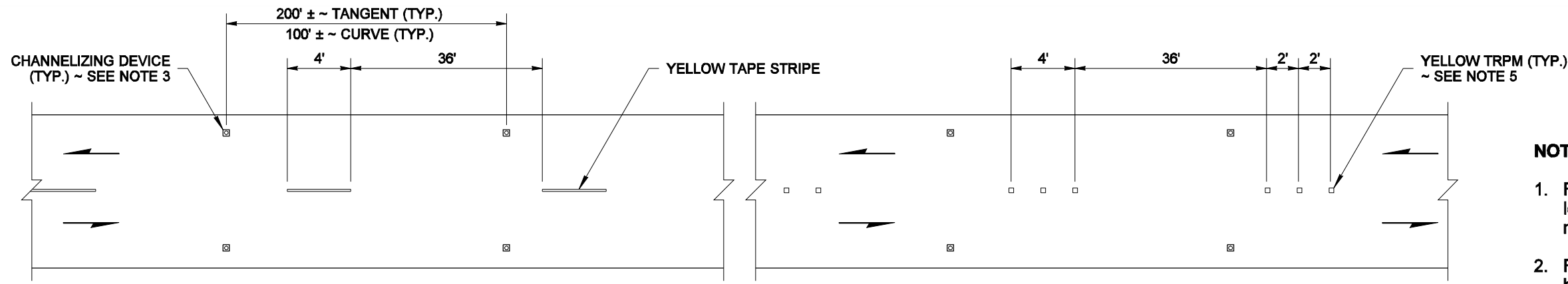
**02-15-07**

DATE



Washington State Department of Transportation

DRAWN BY: ELENA BRUNSTEIN



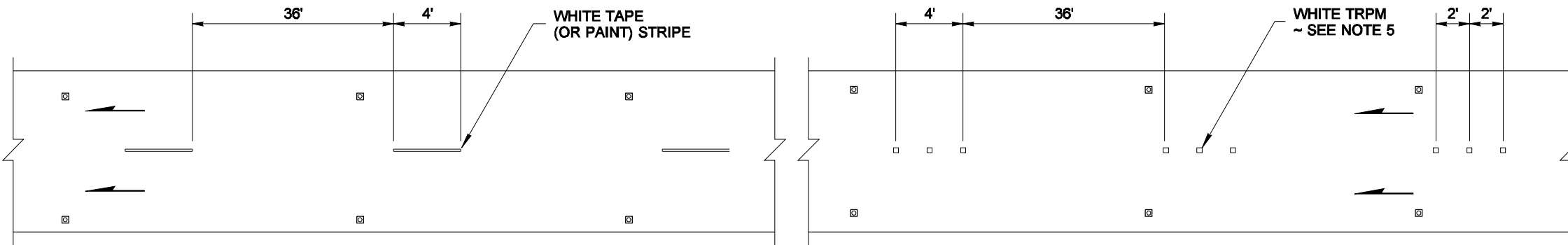
HOT MIXED ASPHALT PAVEMENT

BITUMINOUS SURFACE TREATMENT

**TWO-LANE ROADWAY**

**NOTES**

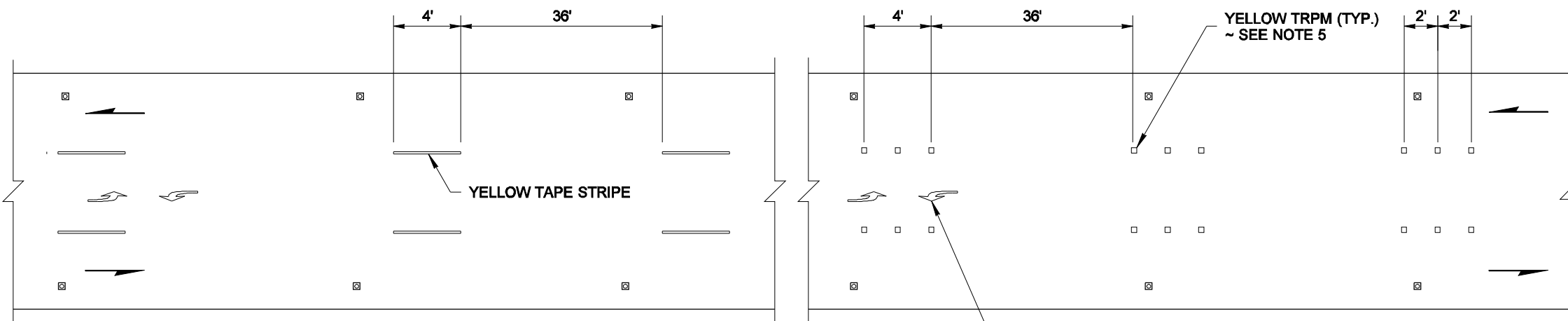
1. For long term projects conflicting pavement markings that are no longer applicable shall be removed or obliterated. Temporary markings shall be used as necessary.
2. For Hot Mixed Asphalt Pavement, a temporary striping tape shall be installed in conjunction with DO NOT PASS and "PASS WITH CARE" sign locations.
3. Temporary roadside delineation with Channelization Devices is optional. The appropriate taper length shall be L/2. See Standard Plan K-24.20 for minimum taper length (L).
4. For long term projects a channelization/pavement marking plan should be implemented.
5. Temporary Raised Pavement Marker (TRPM) may be used on a pattern spacing 5' O.C. to simulate a solid line.



HOT MIXED ASPHALT PAVEMENT

BITUMINOUS SURFACE TREATMENT

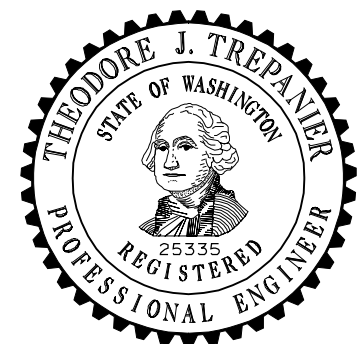
**ONE-WAY TWO-LANE ROADWAY**



HOT MIXED ASPHALT PAVEMENT

BITUMINOUS SURFACE TREATMENT

**TWO-WAY TWO-LANE LEFT TURN ROADWAY**



EXPIRES AUGUST 9, 2007

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**TEMPORARY CHANNELIZATION**  
**STANDARD PLAN K-70.20-00**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

**Ken L. Smith**

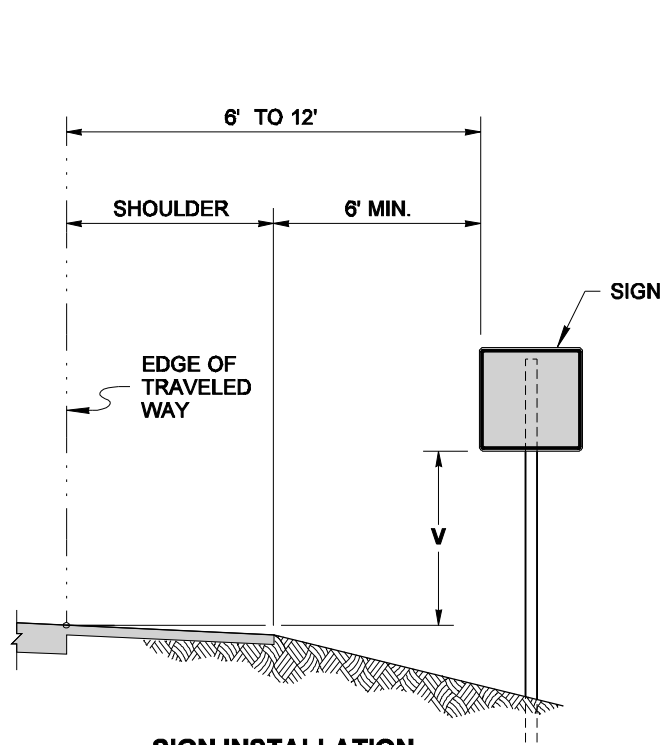
**02-15-07**

STATE DESIGN ENGINEER

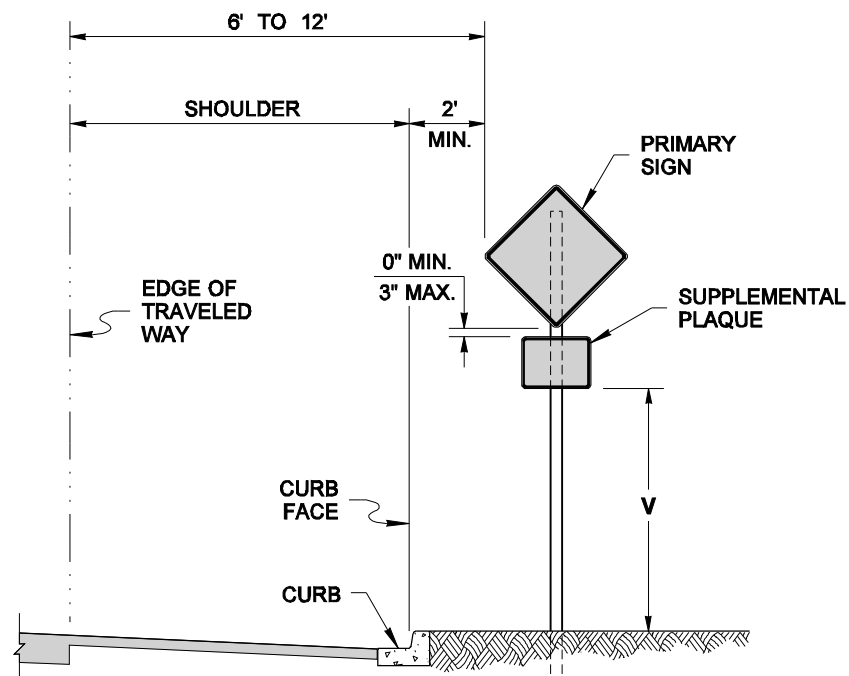
DATE



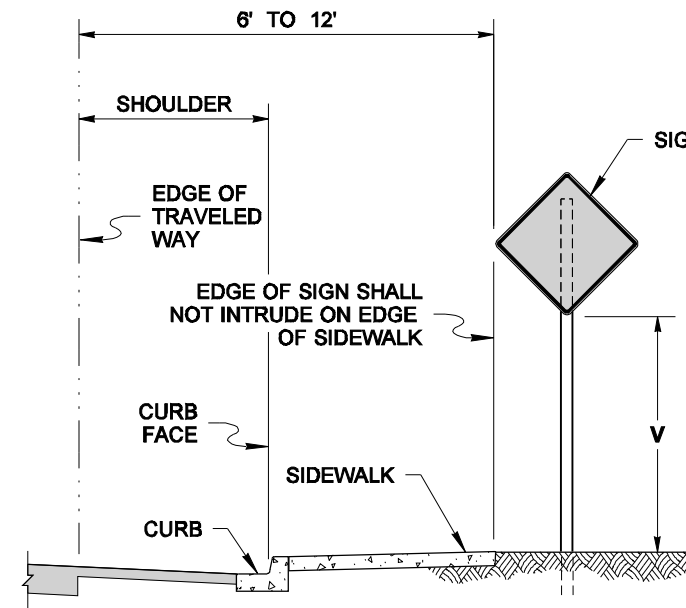
Washington State Department of Transportation



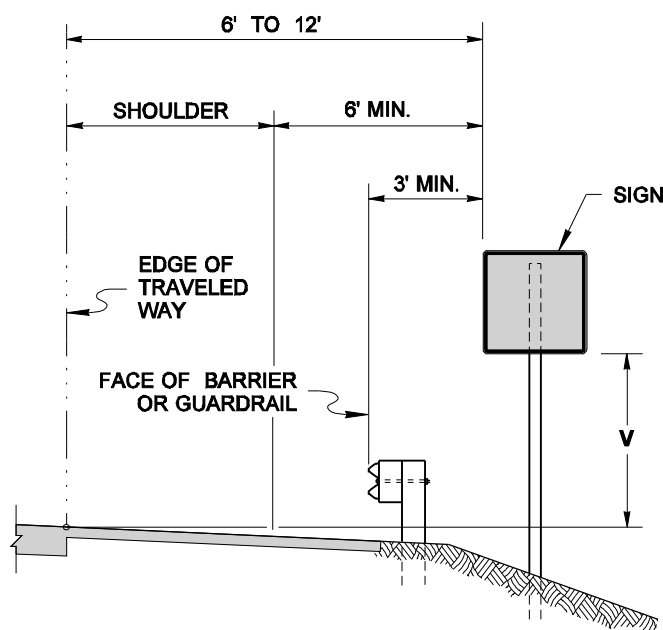
**SIGN INSTALLATION  
(FILL SECTION)**



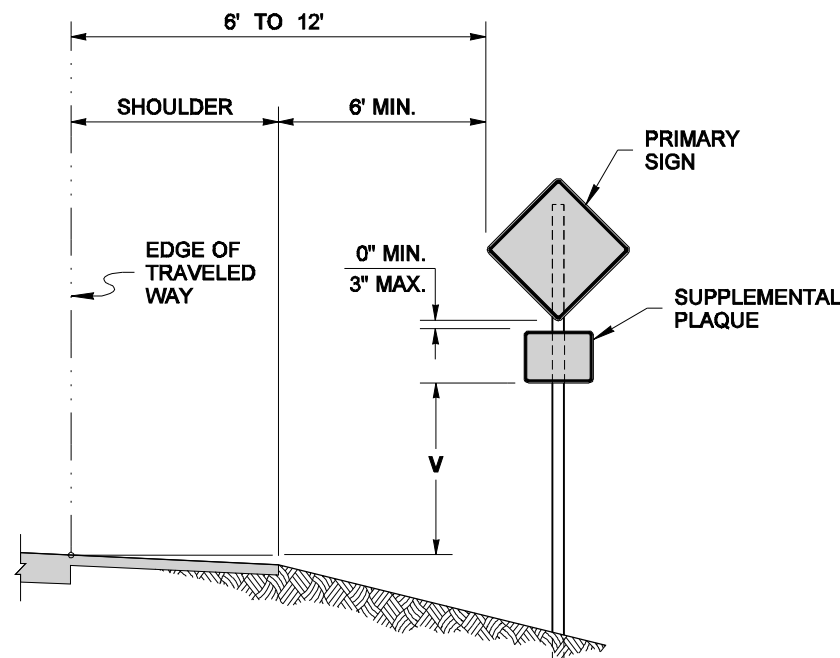
**SIGN INSTALLATION  
(CURB SECTION)**



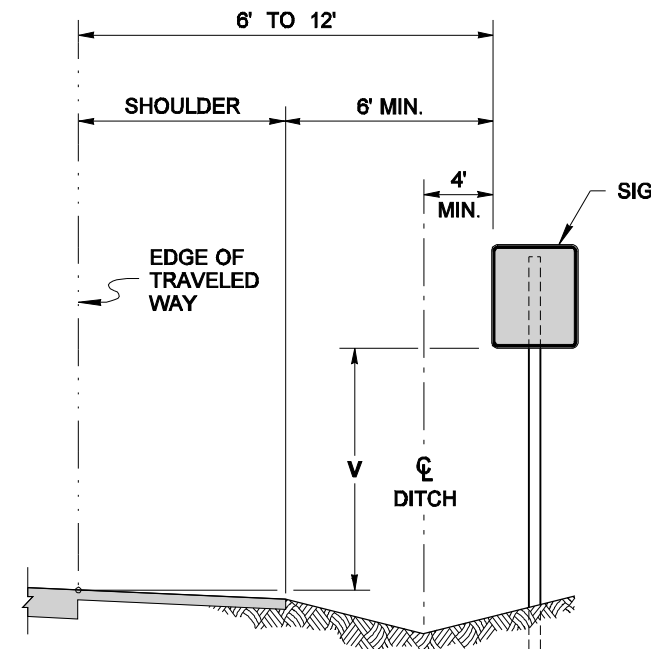
**SIGN INSTALLATION  
(SIDEWALK AND CURB SECTION)**



**SIGN INSTALLATION  
(BEHIND TRAFFIC BARRIER)**



**SIGN WITH SUPPLEMENTAL  
PLAQUE INSTALLATION  
(FILL SECTION)**

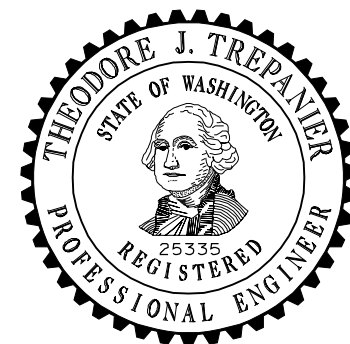


**SIGN INSTALLATION  
(DITCH SECTION)**

**NOTES**

1. For sign installation details, see Std. Plan G - series.
2. In rural areas, the "V" Height can be a minimum of 7 feet for primary signs and 6 feet for the supplemental plaques for greater visibility, as directed by the engineer.
3. The "V" height for signs, with an area of more than 50 square feet and two or more sign supports, is 7 feet in both rural and urban areas.

HEIGHT V		
	TO BOTTOM OF SIGN (NO SUPPLEMENTAL PLAQUE)	TO BOTTOM OF SUPPLEMENTAL PLAQUE (WHEN REQUIRED)
<b>RURAL</b>	5' MINIMUM	4' MINIMUM
<b>URBAN</b>	7' MINIMUM	6' MINIMUM



EXPIRES AUGUST 9, 2007

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

**CLASS A  
CONSTRUCTION SIGNING  
INSTALLATION  
STANDARD PLAN K-80.10-00**

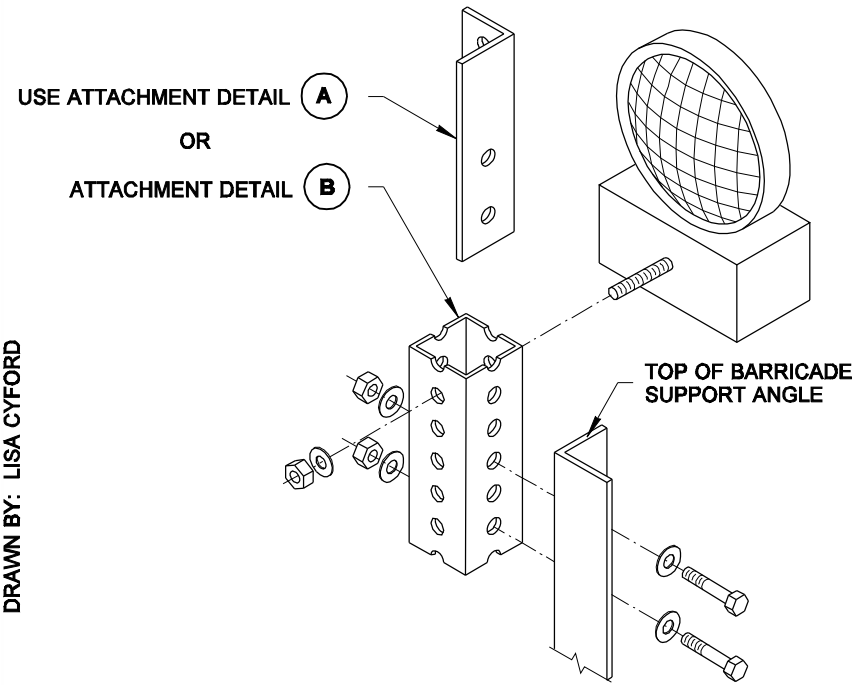
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

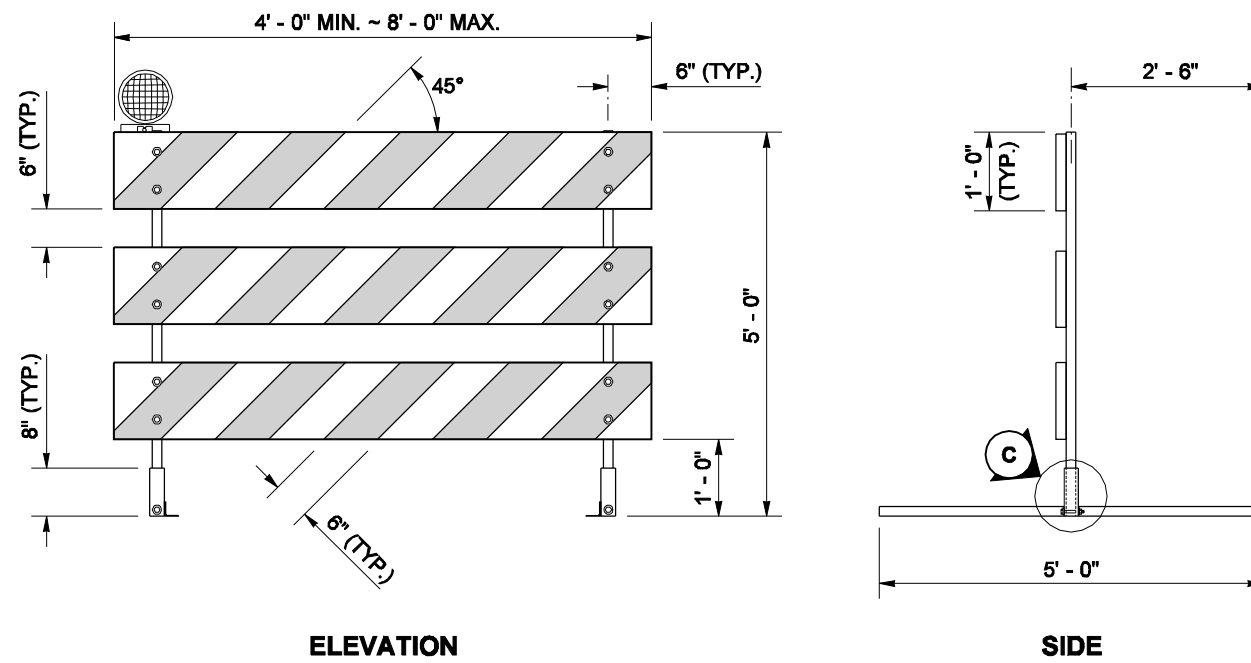
**Ken L. Smith** 02-21-07  
STATE DESIGN ENGINEER DATE



DRAWN BY: LISA CYFORD



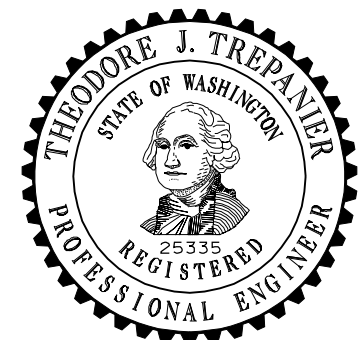
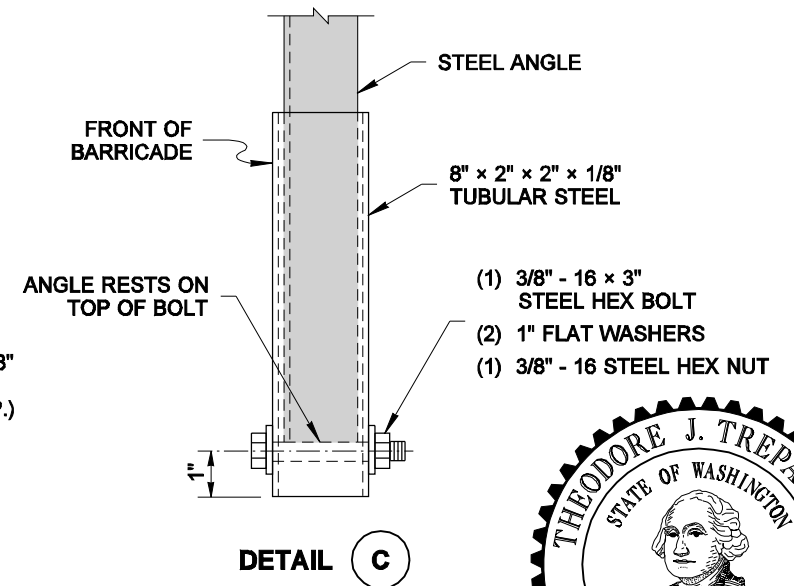
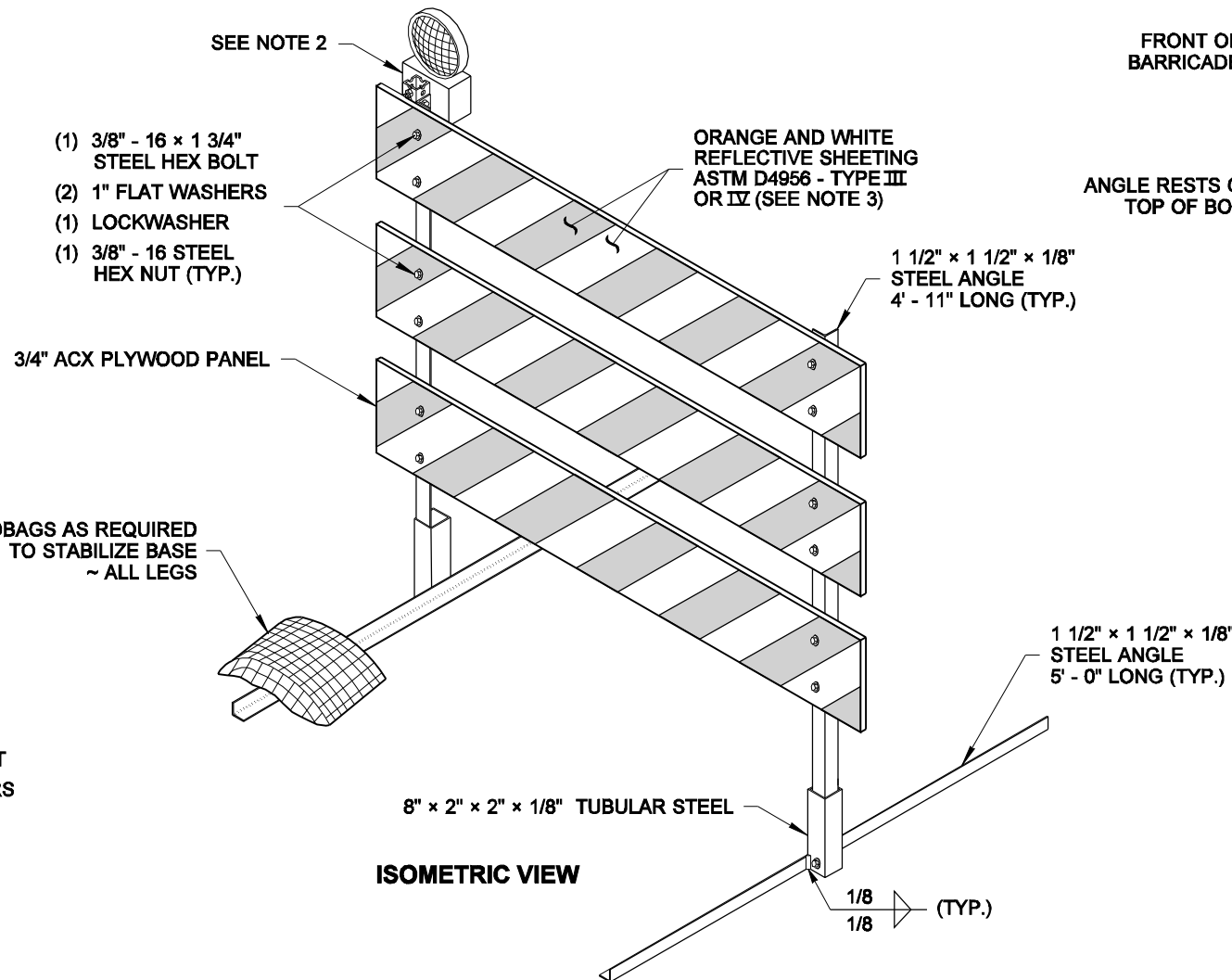
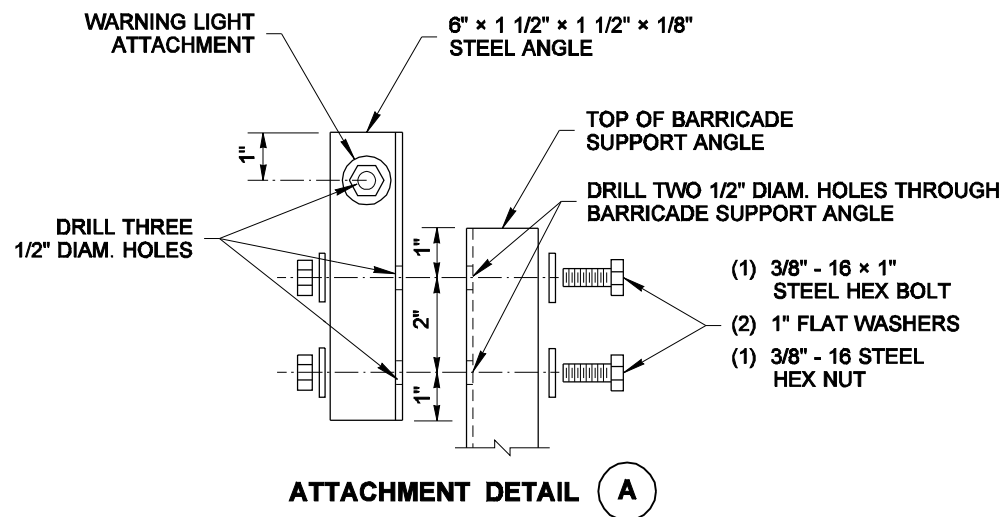
**WARNING LIGHT ATTACHMENT DETAIL**



**TYPE 3 BARRICADE**

**NOTES**

1. All fasteners may be zinc plated, galvanized or stainless steel. All steel angle and tubular steel shall be hot-rolled, high carbon steel, painted or galvanized.
2. Install one lightweight Type A Low-Intensity flashing warning light on the traffic side of the barricade. Install two Type A Low-Intensity flashing warning lights per barricade when the barricades are used to close a roadway. Attach the light to the barricade according to the light manufacturer's recommendations or use the details shown on this plan.
3. Stripes on barricade rails shall be alternating orange and white retroreflective stripes (sloping downward at an angle of 45 degrees in the direction traffic is to pass).
4. The Type 3 barricade design shown on this plan meets the crash test requirements of NCHRP 350. Alternative designs may be approved if they conform to the NCHRP 350 crash test criteria and the MUTCD.
5. When a sign is mounted on the barricade, it shall be securely bolted to at least two plywood panels. The top of the sign shall not be higher than the top panel of the barricade.
6. When sandbags are used in freezing weather, Urea fertilizer shall be mixed with the sand in a quantity to prevent the sand from freezing.

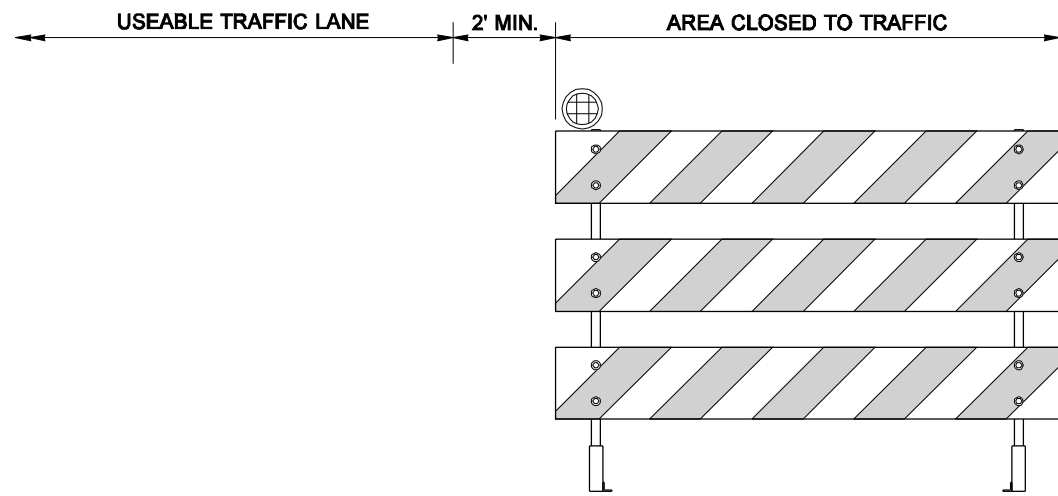


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**TYPE 3 BARRICADE**  
**STANDARD PLAN K-80.20-00**  
SHEET 1 OF 2 SHEETS

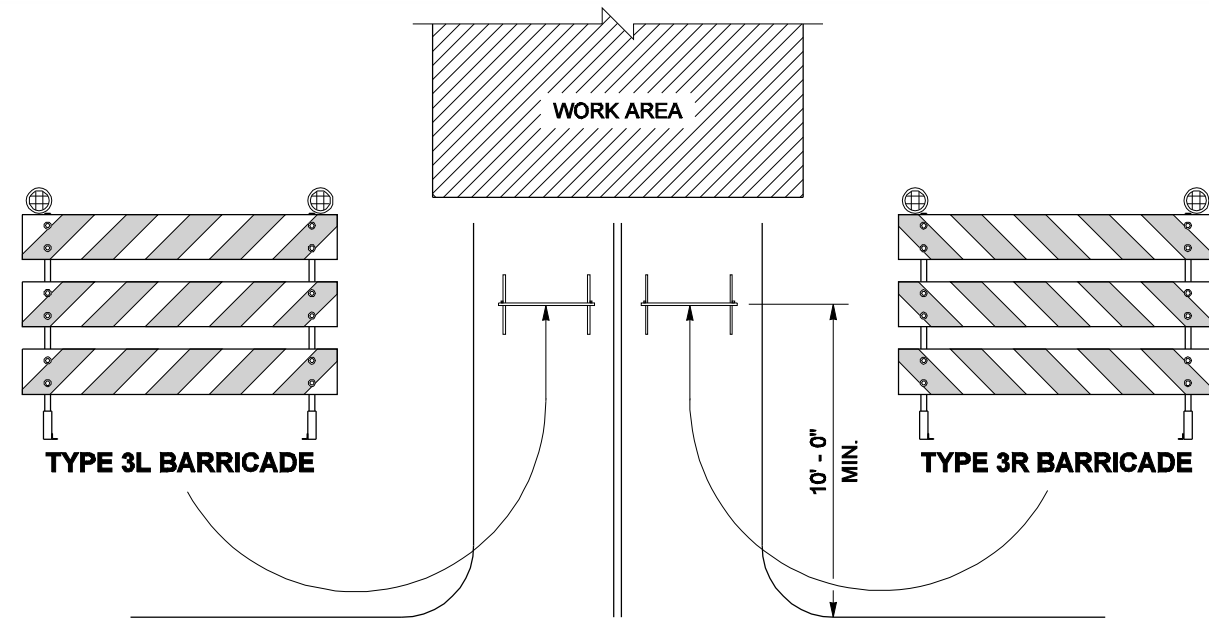
APPROVED FOR PUBLICATION  
**Kevin J. Dayton** 12-20-06  
STATE DESIGN ENGINEER DATE  
Washington State Department of Transportation

DRAWN BY: LISA CYFORD

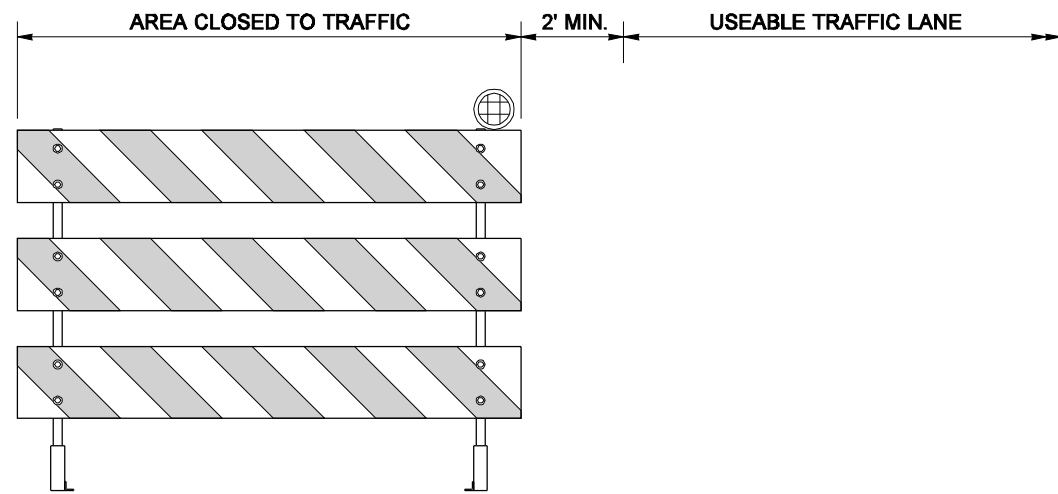


**TYPE 3L BARRICADE**

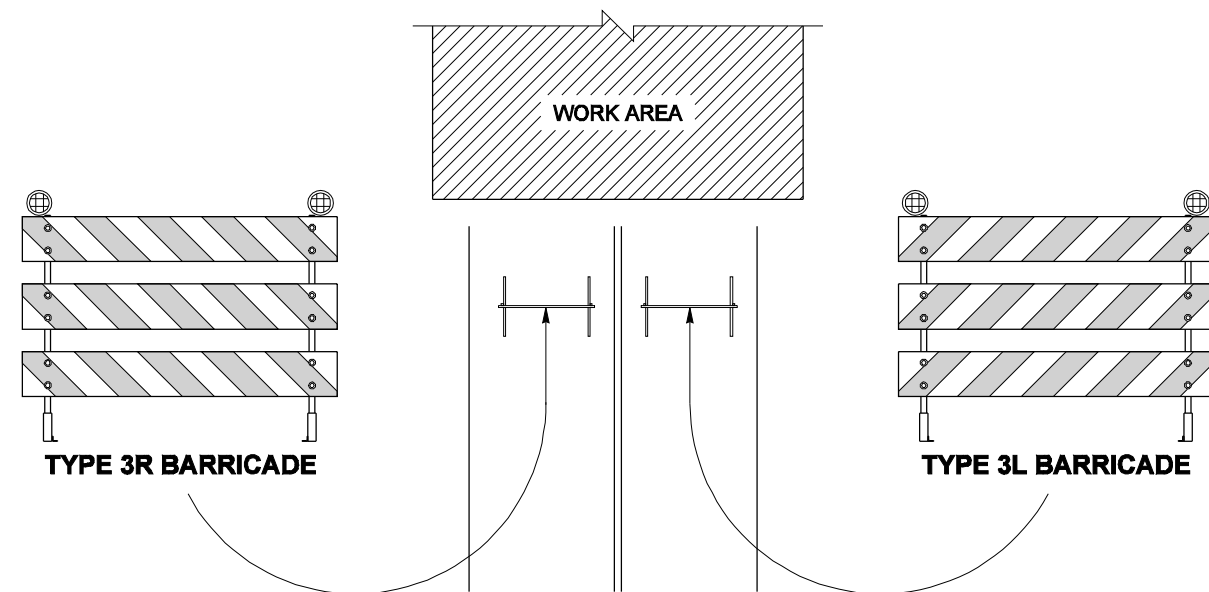
STRIPES ON THE BARRICADES SHALL SLOPE DOWNWARD IN THE DIRECTION TRAFFIC IS TO PASS



**ROAD CLOSURE AT INTERSECTION**

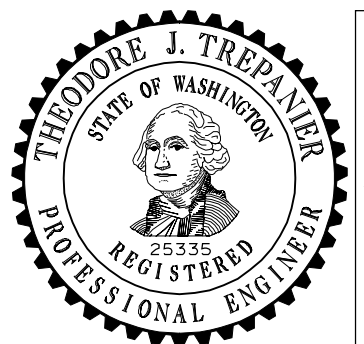


**TYPE 3R BARRICADE**



**ROAD CLOSURE AT OTHER LOCATIONS**

**BARRICADE PLACEMENT**



EXPIRES AUGUST 9, 2007

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**TYPE 3 BARRICADE**  
**STANDARD PLAN K-80.20-00**

SHEET 2 OF 2 SHEETS

APPROVED FOR PUBLICATION

**Kevin J. Dayton** 12-20-06

STATE DESIGN ENGINEER DATE



Washington State Department of Transportation

# **APPENDIX B**

## **Wage Rate**

State of Washington  
**DEPARTMENT OF LABOR AND INDUSTRIES**  
 Prevailing Wage Section - Telephone (360) 902-5335  
 PO Box 44540, Olympia, WA 98504-4540

**Washington State Prevailing Wage Rates For Public Works Contracts**

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.

**SKAGIT COUNTY**

Effective 03-02-08

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<u>Classification</u>	<u>PREVAILING WAGE</u>	<u>Over Time Code</u>	<u>Holiday Code</u>	<u>Note Code</u>
(See Benefit Code Key)				
<b>ASBESTOS ABATEMENT WORKERS</b>				
JOURNEY LEVEL	\$36.24	1H	5D	
<b>BOILERMAKERS</b>				
JOURNEY LEVEL	\$50.33	1C	5N	
<b>BRICK AND MARBLE MASONS</b>				
JOURNEY LEVEL	\$43.75	1M	5A	
<b>CABINET MAKERS (IN SHOP)</b>				
JOURNEY LEVEL	\$23.49	1B	5C	
<b>CARPENTERS</b>				
ACOUSTICAL WORKER	\$43.91	1M	5D	
BRIDGE, DOCK AND WARF CARPENTERS	\$43.75	1M	5D	
CARPENTER	\$43.75	1M	5D	
CREOSOTED MATERIAL	\$43.85	1M	5D	
DRYWALL APPLICATOR	\$43.79	1M	5D	
FLOOR FINISHER	\$43.75	1M	5D	
FLOOR LAYER	\$43.75	1M	5D	
FLOOR SANDER	\$43.75	1M	5D	
MILLWRIGHT AND MACHINE ERECTORS	\$44.75	1M	5D	
PILEDRIVERS, DRIVING, PULLING, PLACING COLLARS AND WELDING	\$43.95	1M	5D	
SAWFILER	\$43.75	1M	5D	
SHINGLER	\$43.75	1M	5D	
STATIONARY POWER SAW OPERATOR	\$43.75	1M	5D	
STATIONARY WOODWORKING TOOLS	\$43.75	1M	5D	
<b>CEMENT MASONS</b>				
JOURNEY LEVEL	\$44.58	1M	5D	
<b>DIVERS &amp; TENDERS</b>				
DIVER	\$85.75	1M	5D	8A
DIVER TENDER	\$44.22	1M	5D	
<b>DREDGE WORKERS</b>				
ASSISTANT ENGINEER	\$44.59	1T	5D	8L
ASSISTANT MATE (DECKHAND)	\$44.08	1T	5D	8L
BOATMEN	\$44.59	1T	5D	8L
ENGINEER WELDER	\$44.64	1T	5D	8L
LEVERMAN, HYDRAULIC	\$46.21	1T	5D	8L
MAINTENANCE	\$44.08	1T	5D	8L
MATES	\$44.59	1T	5D	8L
OILER	\$44.21	1T	5D	8L
<b>DRYWALL TAPERS</b>				
JOURNEY LEVEL	\$43.59	1E	5P	
<b>ELECTRICAL FIXTURE MAINTENANCE WORKERS</b>				
JOURNEY LEVEL	\$21.48	1		

# SKAGIT COUNTY

Effective 03-02-08

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(See Benefit Code Key)

<u>Classification</u>	<u>PREVAILING WAGE</u>	<u>Over Time Code</u>	<u>Holiday Code</u>	<u>Note Code</u>
<b>ELECTRICIANS - INSIDE</b>				
CABLE SPLICER	\$49.94	1E	5M	
CONSTRUCTION STOCK PERSON	\$19.10	1D	5M	
JOURNEY LEVEL	\$46.49	1E	5M	
<b>ELECTRICIANS - MOTOR SHOP</b>				
CRAFTSMAN	\$15.37	2A	6C	
JOURNEY LEVEL	\$14.69	2A	6C	
<b>ELECTRICIANS - POWERLINE CONSTRUCTION</b>				
CABLE SPLICER	\$54.37	4A	5A	
CERTIFIED LINE WELDER	\$49.64	4A	5A	
GROUNDPERSON	\$35.93	4A	5A	
HEAD GROUNDPERSON	\$37.89	4A	5A	
HEAVY LINE EQUIPMENT OPERATOR	\$49.64	4A	5A	
JACKHAMMER OPERATOR	\$37.89	4A	5A	
JOURNEY LEVEL LINEPERSON	\$49.64	4A	5A	
LINE EQUIPMENT OPERATOR	\$42.27	4A	5A	
POLE SPRAYER	\$49.64	4A	5A	
POWDERPERSON	\$37.89	4A	5A	
<b>ELECTRONIC TECHNICIANS</b>				
ELECTRONIC TECHNICIANS JOURNEY LEVEL	\$31.11	1B	5B	
<b>ELEVATOR CONSTRUCTORS</b>				
MECHANIC	\$60.85	4A	6Q	
MECHANIC IN CHARGE	\$67.01	4A	6Q	
<b>FABRICATED PRECAST CONCRETE PRODUCTS</b>				
ALL CLASSIFICATIONS	\$13.50	1		
<b>FENCE ERECTORS</b>				
FENCE ERECTOR	\$13.80	1		
FENCE LABORER	\$11.60	1		
<b>FLAGGERS</b>				
JOURNEY LEVEL	\$31.01	1H	5D	
<b>GLAZIERS</b>				
JOURNEY LEVEL	\$41.00	1H	5G	
<b>HEAT &amp; FROST INSULATORS AND ASBESTOS WORKERS</b>				
MECHANIC	\$46.59	1S	5J	
<b>HEATING EQUIPMENT MECHANICS</b>				
MECHANIC	\$22.88	1		
<b>HOD CARRIERS &amp; MASON TENDERS</b>				
JOURNEY LEVEL	\$36.75	1H	5D	
<b>INDUSTRIAL ENGINE AND MACHINE MECHANICS</b>				
MECHANIC	\$15.65	1		
<b>INDUSTRIAL POWER VACUUM CLEANER</b>				
JOURNEY LEVEL	\$9.24	1		
<b>INLAND BOATMEN</b>				
CAPTAIN	\$38.87	1K	5B	
COOK	\$32.73	1K	5B	
DECKHAND	\$32.42	1K	5B	
ENGINEER/DECKHAND	\$35.20	1K	5B	
MATE, LAUNCH OPERATOR	\$36.85	1K	5B	
<b>INSPECTION/CLEANING/SEALING OF SEWER &amp; WATER SYSTEMS BY REMOTE CONTROL</b>				
CLEANER OPERATOR, FOAMER OPERATOR	\$9.73	1		
GROUT TRUCK OPERATOR	\$11.48	1		

# SKAGIT COUNTY

Effective 03-02-08

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<u>Classification</u>	<u>PREVAILING WAGE</u>	(See Benefit Code Key)		
		<u>Over Time Code</u>	<u>Holiday Code</u>	<u>Note Code</u>
HEAD OPERATOR	\$12.78	1		
TECHNICIAN	\$8.07	1		
TV TRUCK OPERATOR	\$10.53	1		
<b>INSULATION APPLICATORS</b>				
JOURNEY LEVEL	\$43.75	1M	5D	
<b>IRONWORKERS</b>				
JOURNEY LEVEL	\$47.92	1O	5A	
<b>LABORERS</b>				
ASPHALT RAKER	\$36.75	1H	5D	
BALLAST REGULATOR MACHINE	\$36.24	1H	5D	
BATCH WEIGHMAN	\$31.01	1H	5D	
BRUSH CUTTER	\$36.24	1H	5D	
BRUSH HOG FEEDER	\$36.24	1H	5D	
BURNERS	\$36.24	1H	5D	
CARPENTER TENDER	\$36.24	1H	5D	
CASSION WORKER	\$37.20	1H	5D	
CEMENT DUMPER/PAVING	\$36.75	1H	5D	
CEMENT FINISHER TENDER	\$36.24	1H	5D	
CHANGE-HOUSE MAN OR DRY SHACKMAN	\$36.24	1H	5D	
CHIPPING GUN (OVER 30 LBS)	\$36.75	1H	5D	
CHIPPING GUN (UNDER 30 LBS)	\$36.24	1H	5D	
CHOKER SETTER	\$36.24	1H	5D	
CHUCK TENDER	\$36.24	1H	5D	
CLEAN-UP LABORER	\$36.24	1H	5D	
CONCRETE DUMPER/CHUTE OPERATOR	\$36.75	1H	5D	
CONCRETE FORM STRIPPER	\$36.24	1H	5D	
CONCRETE SAW OPERATOR	\$36.75	1H	5D	
CRUSHER FEEDER	\$31.01	1H	5D	
CURING LABORER	\$36.24	1H	5D	
DEMOLITION, WRECKING & MOVING (INCLUDING CHARRED MATERIALS)	\$36.24	1H	5D	
DITCH DIGGER	\$36.24	1H	5D	
DIVER	\$37.20	1H	5D	
DRILL OPERATOR (HYDRAULIC, DIAMOND)	\$36.75	1H	5D	
DRILL OPERATOR, AIRTRAC	\$37.20	1H	5D	
DUMPMAN	\$36.24	1H	5D	
EPOXY TECHNICIAN	\$36.24	1H	5D	
EROSION CONTROL WORKER	\$36.24	1H	5D	
FALLER/BUCKER, CHAIN SAW	\$36.75	1H	5D	
FINAL DETAIL CLEANUP (i.e., dusting, vacuuming, window cleaning; NOT construction debris cleanup)	\$28.45	1H	5D	
FINE GRADERS	\$36.24	1H	5D	
FIRE WATCH	\$31.01	1H	5D	
FORM SETTER	\$36.24	1H	5D	
GABION BASKET BUILDER	\$36.24	1H	5D	
GENERAL LABORER	\$36.24	1H	5D	
GRADE CHECKER & TRANSIT PERSON	\$36.75	1H	5D	
GRINDERS	\$36.24	1H	5D	
GROUT MACHINE TENDER	\$36.24	1H	5D	
GUARDRAIL ERECTOR	\$36.24	1H	5D	
HAZARDOUS WASTE WORKER LEVEL A	\$37.20	1H	5D	
HAZARDOUS WASTE WORKER LEVEL B	\$36.75	1H	5D	
HAZARDOUS WASTE WORKER LEVEL C	\$36.24	1H	5D	

# SKAGIT COUNTY

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(See Benefit Code Key)

<u>Classification</u>	<u>PREVAILING WAGE</u>	<u>Over Time Code</u>	<u>Holiday Code</u>	<u>Note Code</u>
HIGH SCALER	\$37.20	1H	5D	
HOD CARRIER/MORTARMAN	\$36.75	1H	5D	
JACKHAMMER	\$36.75	1H	5D	
LASER BEAM OPERATOR	\$36.75	1H	5D	
MANHOLE BUILDER-MUDMAN	\$36.75	1H	5D	
MATERIAL YARDMAN	\$36.24	1H	5D	
MINER	\$37.20	1H	5D	
NOZZLEMAN, CONCRETE PUMP, GREEN CUTTER WHEN USING HIGH PRESSURE AIR & WATER ON CONCRETE & ROCK, SANDBLAST, GUNITE, SHOTCRETE, WATER BLASTER	\$36.75	1H	5D	
PAVEMENT BREAKER	\$36.75	1H	5D	
PILOT CAR	\$31.01	1H	5D	
PIPE POT TENDER	\$36.75	1H	5D	
PIPE RELINER (NOT INSERT TYPE)	\$36.75	1H	5D	
PIPELAYER & CAULKER	\$36.75	1H	5D	
PIPELAYER & CAULKER (LEAD)	\$37.20	1H	5D	
PIPEWRAPPER	\$36.75	1H	5D	
POT TENDER	\$36.24	1H	5D	
POWDERMAN	\$37.20	1H	5D	
POWDERMAN HELPER	\$36.24	1H	5D	
POWERJACKS	\$36.75	1H	5D	
RAILROAD SPIKE PULLER (POWER)	\$36.75	1H	5D	
RE-TIMBERMAN	\$37.20	1H	5D	
RIPRAP MAN	\$36.24	1H	5D	
RODDER	\$36.75	1H	5D	
SCAFFOLD ERECTOR	\$36.24	1H	5D	
SCALE PERSON	\$36.24	1H	5D	
SIGNALMAN	\$36.24	1H	5D	
SLOPER (OVER 20")	\$36.75	1H	5D	
SLOPER SPRAYMAN	\$36.24	1H	5D	
SPREADER (CLARY POWER OR SIMILAR TYPES)	\$36.75	1H	5D	
SPREADER (CONCRETE)	\$36.75	1H	5D	
STAKE HOPPER	\$36.24	1H	5D	
STOCKPILER	\$36.24	1H	5D	
TAMPER & SIMILAR ELECTRIC, AIR & GAS	\$36.75	1H	5D	
TAMPER (MULTIPLE & SELF PROPELLED)	\$36.75	1H	5D	
TOOLROOM MAN (AT JOB SITE)	\$36.24	1H	5D	
TOPPER-TAILER	\$36.24	1H	5D	
TRACK LABORER	\$36.24	1H	5D	
TRACK LINER (POWER)	\$36.75	1H	5D	
TRUCK SPOTTER	\$36.24	1H	5D	
TUGGER OPERATOR	\$36.75	1H	5D	
VIBRATING SCREED (AIR, GAS, OR ELECTRIC)	\$36.24	1H	5D	
VIBRATOR	\$36.75	1H	5D	
VINYL SEAMER	\$36.24	1H	5D	
WELDER	\$36.24	1H	5D	
WELL-POINT LABORER	\$36.75	1H	5D	
<b>LABORERS - UNDERGROUND SEWER &amp; WATER</b>				
GENERAL LABORER	\$36.24	1H	5D	
PIPE LAYER	\$36.75	1H	5D	
<b>LANDSCAPE CONSTRUCTION</b>				
IRRIGATION OR LAWN SPRINKLER INSTALLERS	\$14.15	1		

# SKAGIT COUNTY

Effective 03-02-08

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<u>Classification</u>	<u>PREVAILING WAGE</u>	(See Benefit Code Key)		
		<u>Over Time Code</u>	<u>Holiday Code</u>	<u>Note Code</u>
LANDSCAPE EQUIPMENT OPERATORS OR TRUCK DRIVERS	\$14.15	1		
LANDSCAPING OR PLANTING LABORERS	\$14.18	1		
<b>LATHERS</b>				
JOURNEY LEVEL	\$43.79	1M	5D	
<b>METAL FABRICATION (IN SHOP)</b>				
FITTER/WELDER	\$15.16	1		
LABORER	\$11.13	1		
MACHINE OPERATOR	\$10.66	1		
PAINTER	\$11.41	1		
<b>PAINTERS</b>				
JOURNEY LEVEL	\$33.94	2B	5A	
<b>PLASTERERS</b>				
JOURNEY LEVEL	\$43.10	1R	5B	
<b>PLAYGROUND &amp; PARK EQUIPMENT INSTALLERS</b>				
JOURNEY LEVEL	\$8.07	1		
<b>PLUMBERS &amp; PIPEFITTERS</b>				
JOURNEY LEVEL	\$51.57	1G	5A	
<b>POWER EQUIPMENT OPERATORS</b>				
ASSISTANT ENGINEERS	\$42.14	1T	5D	8L
BACKHOE, EXCAVATOR, SHOVEL (3 YD & UNDER)	\$44.92	1T	5D	8L
BACKHOE, EXCAVATOR, SHOVEL (OVER 3 YD & UNDER 6 YD)	\$45.41	1T	5D	8L
BACKHOE, EXCAVATOR, SHOVEL (6 YD AND OVER WITH ATTACHMENTS)	\$45.96	1T	5D	8L
BACKHOES, (75 HP & UNDER)	\$44.50	1T	5D	8L
BACKHOES, (OVER 75 HP)	\$44.92	1T	5D	8L
BARRIER MACHINE (ZIPPER)	\$44.92	1T	5D	8L
BATCH PLANT OPERATOR, CONCRETE	\$44.92	1T	5D	8L
BELT LOADERS (ELEVATING TYPE )	\$44.50	1T	5D	8L
BOBCAT (SKID STEER)	\$42.14	1T	5D	8L
BROOMS	\$42.14	1T	5D	8L
BUMP CUTTER	\$44.92	1T	5D	8L
CABLEWAYS	\$45.41	1T	5D	8L
CHIPPER	\$44.92	1T	5D	8L
COMPRESSORS	\$42.14	1T	5D	8L
CONCRETE FINISH MACHINE - LASER SCREED	\$42.14	1T	5D	8L
CONCRETE PUMPS	\$44.50	1T	5D	8L
CONCRETE PUMP-TRUCK MOUNT WITH BOOM ATTACHMENT	\$44.92	1T	5D	8L
CONVEYORS	\$44.50	1T	5D	8L
CRANES, THRU 19 TONS, WITH ATTACHMENTS	\$44.50	1T	5D	8L
CRANES, 20 - 44 TONS, WITH ATTACHMENTS	\$44.92	1T	5D	8L
CRANES, 45 TONS - 99 TONS, UNDER 150 FT OF BOOM (INCLUDING JIB WITH ATACHMENTS)	\$45.41	1T	5D	8L
CRANES, 100 TONS - 199 TONS, OR 150 FT OF BOOM (INCLUDING JIB WITH ATTACHMENTS)	\$45.96	1T	5D	8L
CRANES, 200 TONS TO 300 TONS, OR 250 FT OF BOOM (INCLUDING JIB WITH ATTACHMENTS)	\$46.53	1T	5D	8L
CRANES, A-FRAME, 10 TON AND UNDER	\$42.14	1T	5D	8L
CRANES, A-FRAME, OVER 10 TON	\$44.50	1T	5D	8L
CRANES, OVER 300 TONS, OR 300' OF BOOM INCLUDING JIB WITH ATTACHMENTS	\$47.09	1T	5D	8L
CRANES, OVERHEAD, BRIDGE TYPE ( 20 - 44 TONS)	\$44.92	1T	5D	8L
CRANES, OVERHEAD, BRIDGE TYPE ( 45 - 99 TONS)	\$45.41	1T	5D	8L
CRANES, OVERHEAD, BRIDGE TYPE (100 TONS & OVER)	\$45.96	1T	5D	8L
CRANES, TOWER CRANE UP TO 175' IN HEIGHT, BASE TO BOOM	\$45.96	1T	5D	8L

# SKAGIT COUNTY

Effective 03-02-08

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(See Benefit Code Key)

<u>Classification</u>	<u>PREVAILING WAGE</u>	<u>Over</u>		
		<u>Time Code</u>	<u>Holiday Code</u>	<u>Note Code</u>
CRANES, TOWER CRANE OVER 175' IN HEIGHT, BASE TO BOOM	\$46.53	1T	5D	8L
CRUSHERS	\$44.92	1T	5D	8L
DECK ENGINEER/DECK WINCHES (POWER)	\$44.92	1T	5D	8L
DERRICK, BUILDING	\$45.41	1T	5D	8L
DOZERS, D-9 & UNDER	\$44.50	1T	5D	8L
DRILL OILERS - AUGER TYPE, TRUCK OR CRANE MOUNT	\$44.50	1T	5D	8L
DRILLING MACHINE	\$44.92	1T	5D	8L
ELEVATOR AND MANLIFT, PERMANENT AND SHAFT-TYPE	\$42.14	1T	5D	8L
EQUIPMENT SERVICE ENGINEER (OILER)	\$44.50	1T	5D	8L
FINISHING MACHINE/BIDWELL GAMACO AND SIMILAR EQUIP	\$44.92	1T	5D	8L
FORK LIFTS, (3000 LBS AND OVER)	\$44.50	1T	5D	8L
FORK LIFTS, (UNDER 3000 LBS)	\$42.14	1T	5D	8L
GRADE ENGINEER	\$44.50	1T	5D	8L
GRADECHECKER AND STAKEMAN	\$42.14	1T	5D	8L
GUARDRAIL PUNCH	\$44.92	1T	5D	8L
HOISTS, OUTSIDE (ELEVATORS AND MANLIFTS), AIR TUGGERS	\$44.50	1T	5D	8L
HORIZONTAL/DIRECTIONAL DRILL LOCATOR	\$44.50	1T	5D	8L
HORIZONTAL/DIRECTIONAL DRILL OPERATOR	\$44.92	1T	5D	8L
HYDRALIFTS/BOOM TRUCKS (10 TON & UNDER)	\$42.14	1T	5D	8L
HYDRALIFTS/BOOM TRUCKS (OVER 10 TON)	\$44.50	1T	5D	8L
LOADERS, OVERHEAD (6 YD UP TO 8 YD)	\$45.41	1T	5D	8L
LOADERS, OVERHEAD (8 YD & OVER)	\$45.96	1T	5D	8L
LOADERS, OVERHEAD (UNDER 6 YD), PLANT FEED	\$44.92	1T	5D	8L
LOCOMOTIVES, ALL	\$44.92	1T	5D	8L
MECHANICS, ALL	\$45.41	1T	5D	8L
MIXERS, ASPHALT PLANT	\$44.92	1T	5D	8L
MOTOR PATROL GRADER (FINISHING)	\$44.92	1T	5D	8L
MOTOR PATROL GRADER (NON-FINISHING)	\$44.50	1T	5D	8L
MUCKING MACHINE, MOLE, TUNNEL DRILL AND/OR SHIELD	\$45.41	1T	5D	8L
OIL DISTRIBUTORS, BLOWER DISTRIBUTION AND MULCH SEEDING OPERATOR	\$42.14	1T	5D	8L
PAVEMENT BREAKER	\$42.14	1T	5D	8L
PILEDRIVER (OTHER THAN CRANE MOUNT)	\$44.92	1T	5D	8L
PLANT OILER (ASPHALT, CRUSHER)	\$44.50	1T	5D	8L
POSTHOLE DIGGER, MECHANICAL	\$42.14	1T	5D	8L
POWER PLANT	\$42.14	1T	5D	8L
PUMPS, WATER	\$42.14	1T	5D	8L
QUAD 9, D-10, AND HD-41	\$45.41	1T	5D	8L
REMOTE CONTROL OPERATOR ON RUBBER TIERED EARTH MOVING EQUIP	\$45.41	1T	5D	8L
RIGGER AND BELLMAN	\$42.14	1T	5D	8L
ROLLAGON	\$45.41	1T	5D	8L
ROLLER, OTHER THAN PLANT ROAD MIX	\$42.14	1T	5D	8L
ROLLERS, PLANTMIX OR MULTILIFT MATERIALS	\$44.50	1T	5D	8L
ROTO-MILL, ROTO-GRINDER	\$44.92	1T	5D	8L
SAWS, CONCRETE	\$44.50	1T	5D	8L
SCRAPERS - SELF PROPELLED, HARD TAIL END DUMP, ARTICULATING OFF-ROAD EQUIPMENT ( UNDER 45 YD)	\$44.92	1T	5D	8L
SCRAPERS - SELF PROPELLED, HARD TAIL END DUMP, ARTICULATING OFF-ROAD EQUIPMENT (45 YD AND OVER)	\$45.41	1T	5D	8L
SCRAPERS, CONCRETE AND CARRY ALL	\$44.50	1T	5D	8L
SCREED MAN	\$44.92	1T	5D	8L
SHOTCRETE GUNITE	\$42.14	1T	5D	8L

# SKAGIT COUNTY

Effective 03-02-08

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Classification	PREVAILING WAGE	(See Benefit Code Key)		
		Over Time Code	Holiday Code	Note Code
SLIPFORM PAVERS	\$45.41	1T	5D	8L
SPREADER, TOPSIDE OPERATOR - BLAW KNOX	\$44.92	1T	5D	8L
SUBGRADE TRIMMER	\$44.92	1T	5D	8L
TOWER BUCKET ELEVATORS	\$44.50	1T	5D	8L
TRACTORS, (75 HP & UNDER )	\$44.50	1T	5D	8L
TRACTORS, (OVER 75 HP)	\$44.92	1T	5D	8L
TRANSFER MATERIAL SERVICE MACHINE	\$44.92	1T	5D	8L
TRANSPORTERS, ALL TRACK OR TRUCK TYPE	\$45.41	1T	5D	8L
TRENCHING MACHINES	\$44.50	1T	5D	8L
TRUCK CRANE OILER/DRIVER ( UNDER 100 TON)	\$44.50	1T	5D	8L
TRUCK CRANE OILER/DRIVER (100 TON & OVER)	\$44.92	1T	5D	8L
TRUCK MOUNT PORTABLE CONVEYER	\$44.92	1T	5D	8L
WHEEL TRACTORS, FARMALL TYPE	\$42.14	1T	5D	8L
YO YO PAY DOZER	\$44.92	1T	5D	8L
<b>POWER EQUIPMENT OPERATORS- UNDERGROUND SEWER &amp; WATER</b>				
(SEE POWER EQUIPMENT OPERATORS)				
<b>POWER LINE CLEARANCE TREE TRIMMERS</b>				
JOURNEY LEVEL IN CHARGE	\$35.62	4A	5A	
SPRAY PERSON	\$33.82	4A	5A	
TREE EQUIPMENT OPERATOR	\$34.27	4A	5A	
TREE TRIMMER	\$31.88	4A	5A	
TREE TRIMMER GROUNDPERSON	\$24.03	4A	5A	
<b>REFRIGERATION &amp; AIR CONDITIONING MECHANICS</b>				
MECHANIC	\$23.95	1		
<b>RESIDENTIAL BRICK &amp; MARBLE MASONS</b>				
JOURNEY LEVEL	\$25.00	1		
<b>RESIDENTIAL CARPENTERS</b>				
JOURNEY LEVEL	\$17.45	1		
<b>RESIDENTIAL CEMENT MASONS</b>				
JOURNEY LEVEL	\$16.00	1		
<b>RESIDENTIAL DRYWALL TAPERS</b>				
JOURNEY LEVEL	\$14.00	1		
<b>RESIDENTIAL ELECTRICIANS</b>				
JOURNEY LEVEL	\$27.79	1D	5B	
<b>RESIDENTIAL GLAZIERS</b>				
JOURNEY LEVEL	\$18.40	1		
<b>RESIDENTIAL INSULATION APPLICATORS</b>				
JOURNEY LEVEL	\$13.96	1		
<b>RESIDENTIAL LABORERS</b>				
JOURNEY LEVEL	\$9.48	1		
<b>RESIDENTIAL PAINTERS</b>				
JOURNEY LEVEL	\$12.00	1		
<b>RESIDENTIAL PLUMBERS &amp; PIPEFITTERS</b>				
JOURNEY LEVEL	\$30.40	1G	5A	
<b>RESIDENTIAL REFRIGERATION &amp; AIR CONDITIONING MECHANICS</b>				
JOURNEY LEVEL	\$30.40	1G	5A	
<b>RESIDENTIAL SHEET METAL WORKERS</b>				
JOURNEY LEVEL (FIELD OR SHOP)	\$20.91	1		
<b>RESIDENTIAL SOFT FLOOR LAYERS</b>				
JOURNEY LEVEL	\$23.46	1		
<b>RESIDENTIAL SPRINKLER FITTERS (FIRE PROTECTION)</b>				
JOURNEY LEVEL	\$31.01	1B	5C	

# SKAGIT COUNTY

Effective 03-02-08

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<u>Classification</u>	<u>PREVAILING WAGE</u>	(See Benefit Code Key)		
		<u>Over Time Code</u>	<u>Holiday Code</u>	<u>Note Code</u>
<b>RESIDENTIAL TERRAZZO/TILE FINISHERS</b>				
JOURNEY LEVEL	\$27.75	1		
<b>RESIDENTIAL TERRAZZO/TILE SETTERS</b>				
JOURNEY LEVEL	\$25.00	1		
<b>ROOFERS</b>				
JOURNEY LEVEL	\$21.95	1		
<b>SHEET METAL WORKERS</b>				
JOURNEY LEVEL (FIELD OR SHOP)	\$45.14	1E	5B	
<b>SHIPBUILDING &amp; SHIP REPAIR</b>				
CARPENTER	\$21.69	1		
ELECTRICIAN	\$18.72	1		
HEAT & FROST INSULATOR	\$46.59	1S	5J	
LABORER	\$11.71	1		
MACHINIST	\$18.72	1		
OPERATOR	\$18.72	1		
PAINTER	\$18.72	1		
PIPEFITTER	\$18.72	1		
WELDER/BURNER	\$18.72	1		
<b>SIGN MAKERS &amp; INSTALLERS (ELECTRICAL)</b>				
JOURNEY LEVEL	\$16.03	1		
<b>SIGN MAKERS &amp; INSTALLERS (NON-ELECTRICAL)</b>				
JOURNEY LEVEL	\$13.28	1		
<b>SOFT FLOOR LAYERS</b>				
JOURNEY LEVEL	\$36.08	1B	5A	
<b>SOLAR CONTROLS FOR WINDOWS</b>				
JOURNEY LEVEL	\$8.07	1		
<b>SPRINKLER FITTERS (FIRE PROTECTION)</b>				
JOURNEY LEVEL	\$55.64	1X	5C	
<b>STAGE RIGGING MECHANICS (NON STRUCTURAL)</b>				
JOURNEY LEVEL	\$13.23	1		
<b>SURVEYORS</b>				
CHAIN PERSON	\$9.35	1		
INSTRUMENT PERSON	\$11.40	1		
PARTY CHIEF	\$13.40	1		
<b>TELECOMMUNICATION TECHNICIANS</b>				
TELECOMMUNICATION TECHNICIANS JOURNEY LEVEL	\$27.65	1		
<b>TELEPHONE LINE CONSTRUCTION - OUTSIDE</b>				
CABLE SPLICER	\$30.66	2B	5A	
HOLE DIGGER/GROUND PERSON	\$17.19	2B	5A	
INSTALLER (REPAIRER)	\$29.41	2B	5A	
JOURNEY LEVEL TELEPHONE LINEPERSON	\$28.53	2B	5A	
SPECIAL APPARATUS INSTALLER I	\$30.66	2B	5A	
SPECIAL APPARATUS INSTALLER II	\$30.05	2B	5A	
TELEPHONE EQUIPMENT OPERATOR (HEAVY)	\$30.66	2B	5A	
TELEPHONE EQUIPMENT OPERATOR (LIGHT)	\$28.53	2B	5A	
TELEVISION GROUND PERSON	\$16.31	2B	5A	
TELEVISION LINEPERSON/INSTALLER	\$21.68	2B	5A	
TELEVISION SYSTEM TECHNICIAN	\$35.78	2B	5A	
TELEVISION TECHNICIAN	\$23.19	2B	5A	
TREE TRIMMER	\$28.53	2B	5A	
<b>TERRAZZO WORKERS &amp; TILE SETTERS</b>				
JOURNEY LEVEL	\$41.96	1M	5A	

# SKAGIT COUNTY

Effective 03-02-08

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(See Benefit Code Key)

<u>Classification</u>	<u>PREVAILING WAGE</u>	<u>Over Time Code</u>	<u>Holiday Code</u>	<u>Note Code</u>
<b>TILE, MARBLE &amp; TERRAZZO FINISHERS</b>				
FINISHER	\$25.00	1		
<b>TRAFFIC CONTROL STRIPERS</b>				
JOURNEY LEVEL	\$36.40	1K	5A	
<b>TRUCK DRIVERS</b>				
ASPHALT MIX ( TO 16 YARDS)	\$41.19	1T	5D	8L
ASPHALT MIX (OVER 16 YARDS)	\$41.90	1T	5D	8L
DUMP TRUCK	\$16.98	1		
DUMP TRUCK & TRAILER	\$16.98	1		
OTHER TRUCKS	\$41.90	1T	5D	8L
TRANSIT MIXER	\$17.17	1		
<b>WELL DRILLERS &amp; IRRIGATION PUMP INSTALLERS</b>				
IRRIGATION PUMP INSTALLER	\$11.60	1		
OILER	\$9.45	1		
WELL DRILLER	\$11.60	1		

**APPENDIX C**  
**PERMITS & REPORTS**



# HYDRAULIC PROJECT APPROVAL

RCW 77.55.021 - Appeal pursuant to Chapter 34.05

North Puget Sound  
16018 Mill Creek Boulevard  
Mill Creek, WA 98012-1296  
(425) 775-1311

Issue Date: June 02, 2008

Control Number: 113308-1

Project Expiration Date: October 15, 2008

FPA/Public Notice #: N/A

## PERMITTEE

Skagit County Public Works Department  
ATTENTION: David Walde  
1800 Continental Place  
Mount Vernon, WA 98273  
360-336-9400(3153)  
Fax: 360-336-9369

## AUTHORIZED AGENT OR CONTRACTOR

Project Name: Samish Island Road culvert replacement

Project Description: Replacement of a failing 72-inch culvert with a 139-inch by 89-inch pipe-arch culvert.

## PROVISIONS

1. **TIMING LIMITATIONS:** The project may begin June 15, 2008 and shall be completed by October 15, 2008.
2. **NOTIFICATION REQUIREMENT:** The Area Habitat Biologist (AHB) listed below shall receive written notification (FAX, email, or mail) from the person to whom this Hydraulic Project Approval (HPA) is issued (permittee) or the agent/contractor no less than one working day prior to the start of construction activities. The notification shall include the permittee's name, project location, starting date for work, and the control number for this HPA.
3. Work shall be accomplished per plans and specifications approved by the Washington Department of Fish and Wildlife entitled JARPA and dated May 27 2008, except as modified by this Hydraulic Project Approval. A copy of these plans shall be available on site during construction.

### **BYPASS**

4. If the stream bed is wetted, a temporary bypass to divert flow around the work area shall be in place prior to initiation of other work in the wetted perimeter.
5. A sandbag revetment or similar device shall be installed at the bypass inlet to divert the entire flow through the bypass.
6. A sandbag revetment or similar device shall be installed at the downstream end of the bypass to prevent backwater from entering the work area.
7. The permittee shall capture and safely move all food fish, game fish, and other fish life from the job site. The permittee shall have fish capture and transportation equipment ready and on the job site. Captured fish shall be immediately and safely transferred to free-flowing water downstream of the project site.

Issue Date: June 02, 2008

Control Number: 113308-1

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FPA/Public Notice #: N/A

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8. The bypass shall be of sufficient size to pass all flows and debris for the duration of the project.
9. Any device used for diverting water from a fish-bearing stream shall be equipped with a fish guard to prevent passage of fish into the diversion device pursuant to RCW 77.57.010 and 77.57.070. The pump intake shall be screened with 1/8-inch mesh to prevent fish from entering the system. The screened intake shall consist of a facility with enough surface area to ensure that the velocity through the screen is less than 0.4 feet per second. Screen maintenance shall be adequate to prevent injury or entrapment to juvenile fish and the screen shall remain in place whenever water is withdrawn from the stream through the pump intake.
10. Upon completion of the project, all material used in the temporary bypass shall be removed from the site and the site returned to preproject or improved conditions.

## CULVERT REMOVAL

11. All earth and roadbed material shall be removed prior to removal of the old culvert.

## CULVERT INSTALLATION

12. The culvert shall be installed and maintained to ensure unimpeded fish passage.
13. The squashed culvert shall be placed on a 0% slope and buried 20% at the culvert outlet.
14. Clean, rounded, uniformly-graded gravel shall be placed in the bottom of the culvert to match upstream and downstream grade contours.
15. The culvert shall be installed to maintain structural integrity to the 100-year peak flow with consideration of the debris likely to be encountered.
16. Fill associated with the culvert installation shall be protected from erosion to the 100-year peak flow.
17. The culvert shall be installed and maintained to avoid inlet scouring and to prevent erosion of stream banks downstream of the project.
18. The culvert facility shall be maintained by the owner(s) per RCW 77.57.030 to ensure continued, unimpeded fish passage. If the structure becomes a hindrance to fish passage, the owner(s) shall be responsible for obtaining an Hydraulic Project Approval and providing prompt repair. Financial responsibility for maintenance and repairs shall be that of the owner(s).

## WATER QUALITY

19. Disturbance of the streambed and banks shall be limited to that necessary to place the culvert.

Issue Date: June 02, 2008

Control Number: 113308-1

Project Expiration Date: October 15, 2008

FPA/Public Notice #: N/A

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20. Approach material shall be structurally stable and be composed of material that, if eroded into the stream, shall not be detrimental to fish life.

21. Erosion control methods shall be used to prevent silt-laden water from entering the stream. These may include, but are not limited to, straw bales, filter fabric, temporary sediment ponds, check dams of pea gravel-filled burlap bags or other material, and/or immediate mulching of exposed areas.

22. All waste material such as construction debris, silt, excess dirt or overburden resulting from this project shall be deposited above the limits of flood water in an approved upland disposal site.

23. If high flow conditions that may cause siltation are encountered during this project, work shall stop until the flow subsides.

24. Extreme care shall be taken to ensure that no petroleum products, hydraulic fluid, fresh cement, sediments, sediment-laden water, chemicals, or any other toxic or deleterious materials are allowed to enter or leach into the stream.

## EQUIPMENT

25. Equipment used for this project shall operate stationed on the driveway, except use of small machinery inside the new culvert to position fill material.

26. Equipment used for this project shall be free of external petroleum-based products while working around the stream. Equipment shall be checked daily for leaks and any necessary repairs shall be completed prior to commencing work activities along the stream.

## TEMPORARY CROSSING REMOVAL

27. The temporary crossing and fill shall be removed, and the disturbed bank areas shall be reshaped to preproject configuration. Within seven calendar days of project completion, all disturbed areas shall be protected from erosion using vegetation or other means.

## EMERGENCY NOTIFICATION

28. NOTIFICATION REQUIREMENT: The Area Habitat Biologist (AHB) listed below shall receive written notification (FAX or mail) from the person to whom this Hydraulic Project Approval (HPA) is issued (permittee) or the agent/contractor no less than three working days prior to the start of construction activities. The notification shall include the permittee's name, project location, starting date for work, and the control number for this HPA.



# HYDRAULIC PROJECT APPROVAL

RCW 77.55.021 - Appeal pursuant to Chapter 34.05

North Puget Sound  
16018 Mill Creek Boulevard  
Mill Creek, WA 98012-1296  
(425) 775-1311

Issue Date: June 02, 2008

Control Number: 113308-1

Project Expiration Date: October 15, 2008

FPA/Public Notice #: N/A

## PROJECT LOCATIONS

### Location #1 Unnamed

WORK START: June 15, 2008				WORK END: October 15, 2008			
WRIA: 03.9998		Waterbody: Unnamed/Unnumbered Stream-			Tributary to: Puget Sound		
1/4 SEC: SE 1/4	Section: 06	Township: 35 N	Range: 03 E	Latitude: N 48.54806	Longitude: W 122.4775	County: Skagit	
Location #1 Driving Directions							
Stream is tributary to Samish Bay. Unnamed, unnumbered, channelized drainage.							

## APPLY TO ALL HYDRAULIC PROJECT APPROVALS

This Hydraulic Project Approval pertains only to those requirements of the Washington State Hydraulic Code, specifically Chapter 77.55 RCW (formerly RCW 77.20). Additional authorization from other public agencies may be necessary for this project. The person(s) to whom this Hydraulic Project Approval is issued is responsible for applying for and obtaining any additional authorization from other public agencies (local, state and/or federal) that may be necessary for this project.

This Hydraulic Project Approval shall be available on the job site at all times and all its provisions followed by the person(s) to whom this Hydraulic Project Approval is issued and operator(s) performing the work.

This Hydraulic Project Approval does not authorize trespass.

The person(s) to whom this Hydraulic Project Approval is issued and operator(s) performing the work may be held liable for any loss or damage to fish life or fish habitat that results from failure to comply with the provisions of this Hydraulic Project Approval.

Failure to comply with the provisions of this Hydraulic Project Approval could result in a civil penalty of up to one hundred dollars per day and/or a gross misdemeanor charge, possibly punishable by fine and/or imprisonment.

All Hydraulic Project Approvals issued pursuant to RCW 77.55.021 (EXCEPT agricultural irrigation, stock watering or bank stabilization projects) or 77.55.141 are subject to additional restrictions, conditions or revocation if the Department of Fish and Wildlife determines that new biological or physical information indicates the need for such action. The person(s) to whom this Hydraulic Project Approval is issued has the right pursuant to Chapter 34.04 RCW to appeal such decisions. All agricultural irrigation, stock watering or bank stabilization Hydraulic Project Approvals issued pursuant to RCW 77.55.021 may be modified by the Department of Fish and Wildlife due to changed conditions after consultation with the person(s) to whom this Hydraulic Project Approval is issued: PROVIDED HOWEVER, that such modifications shall be subject to appeal to the Hydraulic Appeals Board established in RCW 77.55.301.

## APPEALS INFORMATION

If you wish to appeal the issuance or denial of, or conditions provided in a Hydraulic Project Approval, there are informal and formal appeal processes available.

Issue Date: June 02, 2008

Control Number: 113308-1

Project Expiration Date: October 15, 2008

FPA/Public Notice #: N/A

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A. INFORMAL APPEALS (WAC 220-110-340) OF DEPARTMENT ACTIONS TAKEN PURSUANT TO RCW 77.55.021, 77.55.141, 77.55.181, and 77.55.291: A person who is aggrieved or adversely affected by the following Department actions may request an informal review of:

(A) The denial or issuance of a Hydraulic Project Approval, or the conditions or provisions made part of a Hydraulic Project Approval; or

(B) An order imposing civil penalties. A request for an INFORMAL REVIEW shall be in WRITING to the Department of Fish and Wildlife HPA Appeals Coordinator, 600 Capitol Way North, Olympia, Washington 98501-1091 and shall be RECEIVED by the Department within 30 days of the denial or issuance of a Hydraulic Project Approval or receipt of an order imposing civil penalties. If agreed to by the aggrieved party, and the aggrieved party is the Hydraulic Project Approval applicant, resolution of the concerns will be facilitated through discussions with the Area Habitat Biologist and his/her supervisor. If resolution is not reached, or the aggrieved party is not the Hydraulic Project Approval applicant, the Habitat Technical Services Division Manager or his/her designee shall conduct a review and recommend a decision to the Director or his/her designee. If you are not satisfied with the results of this informal appeal, a formal appeal may be filed.

B. FORMAL APPEALS (WAC 220-110-350) OF DEPARTMENT ACTIONS TAKEN PURSUANT TO RCW 77.55.021 (EXCEPT agricultural irrigation, stock watering or bank stabilization projects) or 77.55.291:

A person who is aggrieved or adversely affected by the following Department actions may request a formal review of:

(A) The denial or issuance of a Hydraulic Project Approval, or the conditions or provisions made part of a Hydraulic Project Approval;

(B) An order imposing civil penalties; or

(C) Any other 'agency action' for which an adjudicative proceeding is required under the Administrative Procedure Act, Chapter 34.05 RCW.

A request for a FORMAL APPEAL shall be in WRITING to the Department of Fish and Wildlife HPA Appeals Coordinator, shall be plainly labeled as 'REQUEST FOR FORMAL APPEAL' and shall be RECEIVED DURING OFFICE HOURS by the Department at 600 Capitol Way North, Olympia, Washington 98501-1091, within 30-days of the Department action that is being challenged. The time period for requesting a formal appeal is suspended during consideration of a timely informal appeal. If there has been an informal appeal, the deadline for requesting a formal appeal shall be within 30-days of the date of the Department's written decision in response to the informal appeal.

C. FORMAL APPEALS OF DEPARTMENT ACTIONS TAKEN PURSUANT TO RCW 77.55.021 (agricultural irrigation, stock watering or bank stabilization only), 77.55.141, 77.55.181, or 77.55.241: A person who is aggrieved or adversely affected by the denial or issuance of a Hydraulic Project Approval, or the conditions or provisions made part of a Hydraulic Project Approval may request a formal appeal. The request for FORMAL APPEAL shall be in WRITING to the Hydraulic Appeals Board per WAC 259-04 at Environmental Hearings Office, 4224 Sixth Avenue SE, Building Two - Rowe Six, Lacey, Washington 98504; telephone 360/459-6327.

D. FORMAL APPEALS OF DEPARTMENT ACTIONS TAKEN PURSUANT TO CHAPTER 43.21L RCW: A person who is aggrieved or adversely affected by the denial or issuance of a Hydraulic Project Approval, or the conditions or provisions made part of a Hydraulic Project Approval may request a formal appeal. The FORMAL APPEAL shall be in accordance with the provisions of Chapter 43.21L RCW and Chapter 199-08 WAC. The request for FORMAL APPEAL shall be in WRITING to the Environmental and Land Use Hearings Board at Environmental Hearings Office, Environmental and Land Use Hearings Board, 4224 Sixth Avenue SE, Building Two - Rowe Six, P.O. Box 40903, Lacey, Washington 98504; telephone 360/459-6327.

E. FAILURE TO APPEAL WITHIN THE REQUIRED TIME PERIODS results in forfeiture of all appeal rights. If there is no timely request for an appeal, the department action shall be final and unappealable.



# HYDRAULIC PROJECT APPROVAL

RCW 77.55.021 - Appeal pursuant to Chapter 34.05

North Puget Sound  
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Mill Creek, WA 98012-1296  
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Issue Date: June 02, 2008

Control Number: 113308-1

Project Expiration Date: October 15, 2008

FPA/Public Notice #: N/A

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ENFORCEMENT: Sergeant Heinck (25) P3

Habitat Biologist  
Jeffrey Kamps

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for Director  
WDFW

CC:

# Materials Testing & Consulting, Inc.

Geotechnical Engineering & Consulting • Special Inspection • Materials Testing • Environmental Consulting



August 16, 2007

**Mr. Nick Tuttle, Engineering Technician**  
**Skagit County department of Public Works**  
1800 Continental Place  
Mt. Vernon, WA 98273-5625

**Geotechnical Investigation**  
**Samish Island Road Culvert**  
Edison, WA

Project No.: 07B146

Dear Mr. Tuttle:

In accordance with your request, Materials Testing & Consulting, Inc. (MTC) has conducted a soils investigation and geotechnical engineering analysis for the referenced project. The results of this investigation, together with our recommendations, are contained in the following report.

To investigate the site, we drilled two test borings to depths of 26.5 and 31.5 feet, obtained soil samples for laboratory testing and performed geotechnical engineering analysis. The results of the field and laboratory work indicate that the soils are loose, the water table is high and the work site will require continuous de-watering and shoring during construction.

Questions related to soil conditions often arise during design and construction of a project. We would be pleased to continue our role as geotechnical consultants during the project planning and construction. We also have a keen interest in providing materials testing and special inspection during construction of this project. We will be pleased to meet with you at your convenience to discuss these services.

We appreciate this opportunity to be of service to you and look forward to working with you in the future.

If you have any questions concerning the above items, the procedures used, or if MTC can be of any further assistance please call us at **(360) 755-1990**.

Respectfully Submitted,  
**MATERIALS TESTING & CONSULTING, INC.**

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# Subsurface Investigation

## INTRODUCTION

This report presents the results of a soils investigation and foundation analysis for the planned replacement of an existing culvert crossing under Samish Island Road near Edison, WA.

## PURPOSE

The purpose of this investigation is to determine the various soil profile components, the engineering characteristics of the foundation materials and to provide criteria for use by the designers in preparing or verifying the suitability of the foundation design.

## SCOPE

As detailed in our proposal for geotechnical services dated ~~April 17, 2003~~, <sup>6/25/07</sup> the scope of services included:

- Subsurface exploration
  - Drill two test borings to about 30 feet deep
  - Recovery of disturbed grab samples
- Laboratory testing consisting of:
  - Atterberg Limits
  - Gradation analysis
  - Moisture content determination
- Geotechnical Report containing:
  - Subsurface soil conditions
  - Groundwater conditions
  - Grading recommendations
  - Foundation recommendations (culvert bedding)
  - Soil bearing capacity
  - Settlement estimates

This report does not provide an Environmental Site Assessment for this property. Any comments concerning on-site conditions and/or observations, including soil appearances and odors, oil, hazardous waste, radioactivity, irritants, pollutants, molds, or other dangerous substances or conditions, are provided only as general information. Information in this report is not intended to describe, quantify or evaluate any environmental concern or situation including the presence or absence of the materials listed above. (ASFE, 2006). See the Limitations and Use of This Report section at the end of this report for further provisions.

## Project Description

An existing corrugated metal culvert passing under Samish Island Road has corroded at its flow line and is collapsing at the ends, undermining the south side of the road. The Skagit County ~~Department of Public Works~~ is planning on removing the existing culvert and replacing it with another corrugated metal culvert of similar size. This will require bedding the new culvert in the ditch bottom, backfilling with suitable soils and re-paving a section of Samish Island road.

DEPARTMENT

# Site Description

## GENERAL DESCRIPTION

The project site is located about 0.3 miles west of the intersection of Samish Island Road and Bayview-Edison Road in Skagit County, WA, about 2.2 miles southwest of the town of Edison. The site and surrounding terrain are level for all practical purposes. The culvert crossing site is bordered on the north and south by grass-covered fields; the grass growing to about two feet tall. Shrubs and brush occupy an area behind and to the west side of an existing masonry structure located about 20 feet north of the road west of the culvert. This structure is about 10 feet square and is presumed to be a pump or well house serving the Samish Island Water Association.

## AREA GEOLOGY

According to the USDA Soil Conservation Service Survey, the geology of the site consists of Skagit silt loam, a very deep, poorly drained soil on plains and deltas. Drainage has been altered by drain tiles and ditches. The Skagit silt loam typically has moderate permeability, high water capacity, and a seasonal high water table from a depth of six to 24 inches deep from November to March. Runoff is slow and the hazard to water erosion is slight.

According to the Surficial Geologic Map of the Port Townsend 30- by 60- Minute Quadrangle, the subject property is located within the Younger Alluvium lithologic unit (Qyal). The Younger Alluvium consists of silt, clay and sand with lesser amounts of sand and pebble gravels. Within the Skagit lowlands, these Holocene sediments were deposited in river, flood plain, and estuary facies. Volcaniclastic and organic-rich layers are interbedded with the other sediments. The Younger Alluvium ranges in thickness from 1 to 10 meters.

The soils encountered during this investigation correlate well with those described above.

# Field Exploration

## GENERAL NOTES

July 25, 2007, our geotechnical engineer visited the site and conducted a subsurface exploration of the soils and groundwater conditions. The field investigation included drilling two test borings and recovering disturbed grab samples. The borings were drilled to depths of 26.5 to 31.5 feet below the existing ground surface. The test borings were located by our engineer by after consulting with Skagit County DPW personnel by sighting off existing improvements. The test boring locations are shown on the attached site plan.

## EXCAVATION & SAMPLING PROCEDURES

During the work, our engineer logged the soil and groundwater conditions encountered and obtained samples from the borings from representative soil strata and at five-foot intervals. The samples were classified in the field in accordance with the Unified soil Classification System, attached, identified according to test boring number and depth, placed in plastic bags to protect against moisture loss and transported to the laboratory for testing.

The borings were drilled with a Central Mining Equipment 750 hydraulic rotary drill rig subcontracted to MTC utilizing eight inch outside diameter hollow stem augers. Disturbed samples were obtained by

grabbing cuttings off the augers and with a standard penetration test (SPT) split spoon sampler. The sampler was driven into the undisturbed soil beneath the drill bit with a 140-pound automatic-trip hammer free-falling a distance of 30 inches. The number of blows required to drive the sampler the final 12 inches of an 18-inch sample drive is the SPT (N-value) of the soils and is recorded on the test boring logs opposite the sample drive.

### **LABORATORY TESTING**

Upon demobilizing from the field, laboratory testing was conducted on selected samples to determine pertinent engineering characteristics of the soils encountered. The laboratory testing included supplementary visual classification and moisture content, ASTM D 2216; Atterberg Limits, ASTM D-4318 and Grain Size Analysis, ASTM C-117, C-136. The results of these tests are presented in the laboratory analysis section after the boring logs.

## **Subsurface Conditions**

The soil profiles were relatively consistent across the site. Three distinct soil units were observed in the test borings. The identified units are as follows with increasing depth below the surface:

**Table 1: Summary of Soil Conditions**

Road Section (Fill)	Encountered in Boring 1, consisting of four inches of asphalt concrete over three inches of crushed base rock over 1.9 feet of pit run sandy gravel fill.
Brown and Grey Silt and Sandy Silt (ML)	Extending to depths of 10.5 and 5.5 feet in Borings 1 and 2, respectively consisting of loose to medium dense silt that was wet to saturated.
Sand and Silty Sand (SP), (SM)	Extending the depths explored, consisting of loose and saturated black to grey sand with sparse seams of silty sand to 1.5 feet thick.

Ground water was encountered at depths of 2.5 and 6.5 feet in Borings 1 and 2, respectively.

## **Discussion**

### **STRUCTURAL FILL**

Imported structural fill should consist of a mixture of clean sand and gravel that is relatively free of fines as outlined in the recommendations section below. During placement for structural fill used for culvert backfill and road re-construction, the fill quality, placement and compaction should be monitored continuously by MTC so that the work is performed in accordance with the recommendations section outlined in this report.

The on-site sandy gravel pit run fill may be re-used for structural fill. The silty soils are wet of optimum moisture content, are highly moisture sensitive and cannot be compacted to a dense and stable condition with conventional methods. During fair weather, the silty soils may be used as structural fill provided they

are properly moisture conditioned, placed and compacted as discussed in the recommendations section of this report.

### **BEARING CAPACITY**

Two requirements must be fulfilled in the design of foundations. First, the load must be less than the ultimate bearing capacity of the foundation soils to maintain stability; and secondly, the differential settlement must not exceed an amount that will produce adverse behavior of the structure. The allowable settlement is usually exceeded before bearing capacity considerations become important; thus, the allowable bearing pressure is normally controlled by settlement considerations.

Bearing capacity analysis is based on the visual classification of soil type, density in the test borings and laboratory test results. These data indicate that the soils at the culvert flow line elevation are mostly silty and sandy in nature, loose and saturated. These soils will require some improvement in order to provide suitable bearing for the planned culvert.

### **EXCAVATIONS**

Excavations that do not exceed four feet in depth and that terminate above the water table may be constructed with side slopes approaching vertical. For deeper excavations and for excavations extending below the water table the soils cannot be relied on to remain standing. These soils can fail, and collapse into any excavation. Proper care must be taken to protect personnel and equipment working in or near excavations.

The information provided in the following table is for planning purposes. Maintaining safe working conditions is the responsibility of the contractor. Job-site conditions such as soil moisture content, weather condition, earth movements and equipment type and operation can all affect slope stability. All excavations should be sloped or braced as required by applicable local, state and federal requirements. De-watering will be required for excavations below the water table. The contractor should not exceed the following maximum cut slope inclinations:

**Table 2: Recommended Temporary Cut Slopes**

<b>Soil Type</b>	<b>Temporary Maximum Inclination*</b>	<b>OSHA Classification</b>
All soils this site	1.5H:1V	C

\* Above the water table.

### **GROUNDWATER CONTROL**

Groundwater is expected to cause difficulties during construction on this site. The on-site silty soils can be expected to become soft and pump if subjected to excessive traffic after becoming wet during periods of rain. This can be avoided by constructing temporary or permanent driveway sections. All prepared subgrade surfaces should be protected from the adverse effects of freeze/thaw, rain and construction traffic.

Bedding preparation and placement will require de-watering on this site. Additionally, unless the contractor can devise a way to dredge, properly place geotextile fabric and bedding, and install the culvert in standing and flowing water, the construction site will require cut off walls and re-routing of the water in the ditch around the work area.

# Conclusions and Recommendations

## GENERAL NOTES

Based on the subsurface conditions encountered and the planned construction, we conclude that the site is suitable for the planned development provided the standing water and shallow water table can be dealt with. The contractor should retain a licensed hydrologist to help design a dewatering system. General installation instructions and guidelines may be found in the "Installation Manual for Corrugated Steel Pipe, Pipe Arches, Structural Plate" published by the National Corrugated Steel Pipe Association (NCSPE) and referenced in the recommendations below.

## EXCAVATIONS

1. The work area should be de-watered and the water table drawn down below the bottom of the deepest anticipated excavation. Dewatering at this site may be accomplished by installing sumps and pumps.
2. Isolating the work site from the high water level will require coffer dams such as temporary sheet piling driven into the ditch bottom at least five feet and extending laterally into the banks far enough to cut off the water in the ditch.
3. Additionally, temporary earth fill plugs may be placed in the ditch. The plugs should be constructed of impermeable soil, be at least 5 feet wide at the top, constructed with 3 horizontal to 3 vertical side slopes or flatter, compacted to 90% relative compaction in accordance with the ASTM D 1557 modified Proctor compaction test procedure and should be well keyed into the bottom and sides of the ditch.
4. If the ditch flow has to be maintained, hoses and pumps will be required to route the water around the work site.
5. Temporary excavations should be shored with excavation boxes or the slopes cut back to at least 1-1/2 horizontal to 1 vertical. If the dewatering pumps fail, and the water level rises, these temporary slopes may fail.

## CULVERT BEDDING

1. Bedding refers only to the material placed immediately beneath the culvert.
2. Uniformity in foundation material is very important; abrupt changes from hard to soft foundation stiffness must be avoided.
3. The culvert subgrade should be over-excavated one foot below the proposed culvert flow line elevation. The excavation should extend the full width of the culvert.
4. Line the excavation with a combination geotextile reinforcing and filter fabric such as Mirafi Filterweave FW 300 or equivalent. Follow the manufacturers recommendations for installation.
5. Backfill the excavation with granular bedding material conforming to the requirements of shoulder ballast in WSDOT 9-03.9(2) compacted to 90 percent of standard proctor density (ASTM D 698 / AASHTO T99).
6. Create a bedding blanket of granular bedding material at least as thick as the depth of the pipe corrugations and grade in a vee-shape to form complete contact with the bottom of the culvert in accordance with NCSPE recommendations (NCSPE Figure 12).
7. The bedding blanket should be placed loose and only lightly compacted so that it may yield and conform to the bottom of the pipe.

## **BACKFILLING**

1. Backfill refers to material placed beneath the haunches of the pipe arch and around the culvert to the full width and height of the excavation.
2. Use a select, free-draining, granular material meeting the requirements of shoulder ballast per WSDOT 9-03.9(2).
3. Fill material must be free from rock and hard earth clods larger than 3 inches in size.
4. Fill must not contain any frozen material, sod, cinders, or organic matter.
5. Backfill should be carefully compacted to 90 percent of standard Proctor density under the haunches of the arch.
6. Backfill adjacent to and within two feet of the top of the culvert must be compacted to 90 percent of standard Proctor density.
7. Arches have a tendency to peak or shift sideways under backfilling loads. If both sides are backfilled equally and compacted, the top of the arch may peak unless enough fill has been placed over it to resist the upward thrust. As filling progresses, monitor the spring line for signs of peaking. If excessive peaking occurs, cover the arch in layers, each layer conforming to the shape of the arch. Hand-operated compaction equipment is recommended for backfilling below the top of the arch.
8. When backfilling arches before the headwalls are placed, the material should initially be placed midway between the ends of the culvert to the top of the arch; then extend in both directions toward the ends of the arch.
9. When the headwalls are constructed before the arch is backfilled, the backfill material should first be placed adjacent to each headwall up to the top of the arch, then proceed evenly toward the center.
10. Compact backfill by working parallel to, not against, the structure.
11. For the initial two feet of backfill over the pipe, light hand or walk-behind compaction equipment is necessary.
12. After backfilling two feet over the top of the structure (assuming a maximum 12 foot span), further backfilling may be accomplished with conventional embankment construction methods.

## Additional Services

We recommend that MTC be engaged to test and evaluate the soils in the footing excavations before placing concrete to determine that the soils meet the required bearing capacities and that unexpected conditions are not present. Further, we recommend that MTC check the retaining wall subgrade, and check the installation of wall drains and backfill. Monitoring and testing should be performed to verify that suitable materials are used for structural fills and that they are properly placed and compacted.

## Limitations

The work described in this report is considered sufficient in detail and scope to form a reasonable basis for the foundation design. MTC should be notified of any revision in the plans for the proposed structure from those presented in this report so that we may determine if changes in the foundation recommendations are required. If deviations from the noted subsurface conditions are encountered during construction, they should also be brought to our attention.

MTC warrants that the findings, recommendations, specifications, or professional advice contained in this report, have been developed after being prepared in accordance with generally accepted professional practice in the fields of soil mechanics and engineering geology. No other warranties are implied or expressed.

This report has been prepared for the exclusive use of The Skagit County Department of Public Works and their retained design consultants. Findings and recommendations within this report are for specific application to this site and proposed project.

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Randolph R. Ross, P.E.  
Senior Geotechnical Engineer

# Geotechnical General Notes

## SOIL PROPERTY SYMBOLS

- N:** Standard "N" penetration: Blows per foot of a 140 pound hammer falling 30 inches on a 2 inch O.D. split-spoon.  
**Q<sub>u</sub>:** Unconfined compressive strength, tons/ft<sup>2</sup>  
**Q<sub>p</sub>:** Penetrometer value, unconfined compressive strength, lbs/ft<sup>2</sup>  
**V:** Vane value, ultimate shearing strength, lbs/ft<sup>2</sup>  
**M:** Water content, %  
**LL:** Liquid limit, %  
**PI:** Plasticity index, %  
**D:** Natural dry density, lbs/ft<sup>3</sup>  
**WT:** Apparent groundwater level at time noted after completion.

## DRILLING AND SAMPLING SYMBOLS

- SS:** Split-Spoon - 1 3/8" I.D., 2" O.D., except where noted.  
**ST:** Shelby Tube - 3" O.D., except where noted.  
**AU:** Auger Sample.  
**GB:** Grab Sample.  
**DB:** Diamond Bit.  
**CB:** Carbide Bit.  
**WS:** Washed Sample.

## RELATIVE DENSITY AND CONSISTENCY CLASSIFICATION

Terms (Non-Cohesive Soils)	Standard Penetration Resistance
Very Loose	0 - 4
Loose	4 - 10
Medium Dense	10 - 30
Dense	30 - 50
Very Dense	Over 50

Terms (Cohesive Soils)	Standard Penetration Resistance	Q <sub>u</sub> - (tons/ft <sup>2</sup> )
Very Soft	0 - 2	0 - 0.25
Soft	2 - 4	0.25 - 0.50
Firm (Medium)	4 - 8	0.50 - 1.00
Stiff	8 - 15	1.00 - 2.00
Very Stiff	15 - 30	2.00 - 4.00
Hard	30+	4.00+

## PARTICLE SIZE

**Clays** 0.005 mm & Smaller  
**Silts** 0.074 mm - 0.005 mm

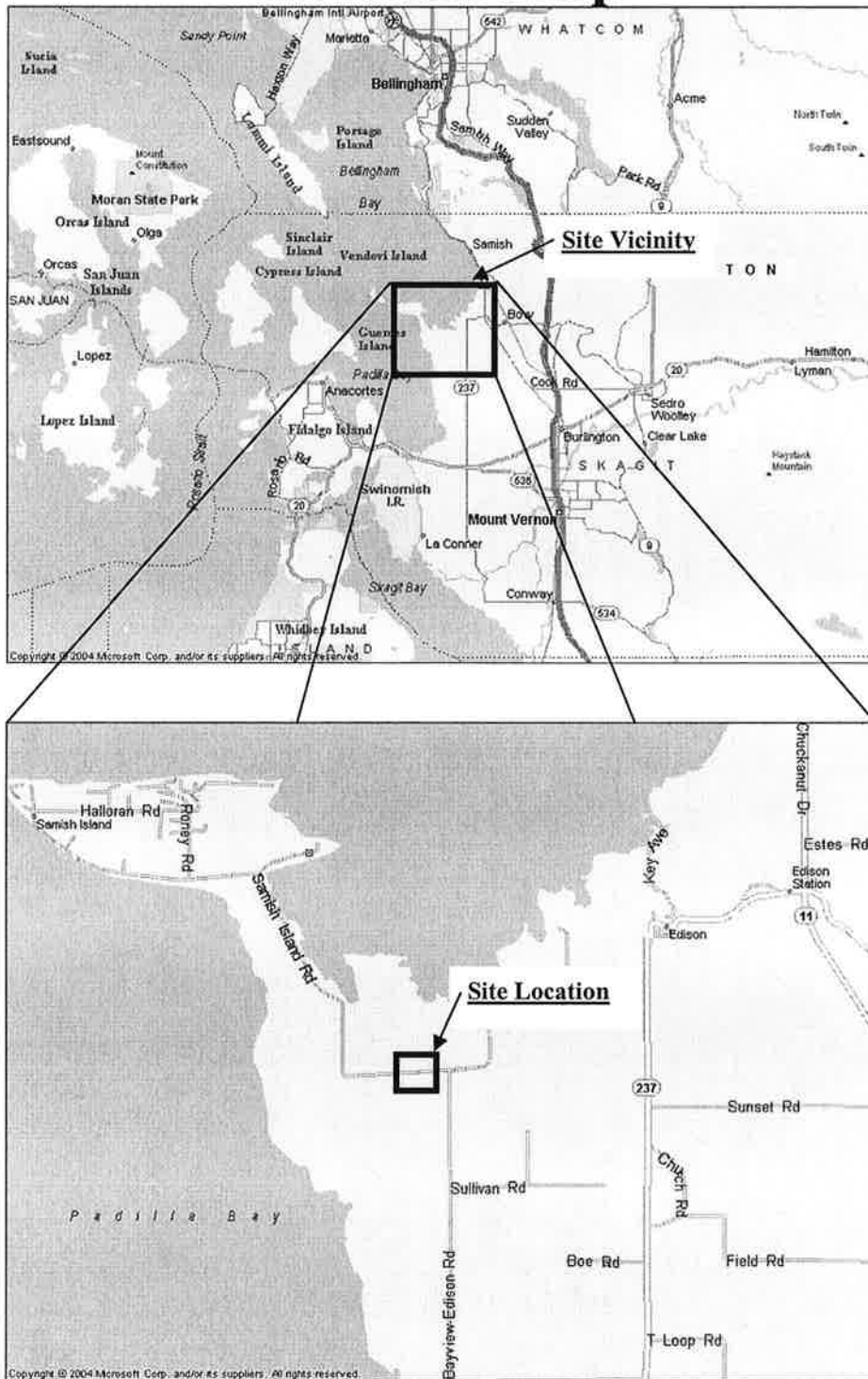
**Fine Sand** 0.2 mm - 0.074 mm  
**Medium Sand** 0.6 mm - 0.2 mm  
**Coarse Sand** 5 mm - 0.6 mm

**Gravel** 3 in. - 5 mm  
**Cobbles** 8 in. - 3 in.  
**Boulders** 8"+

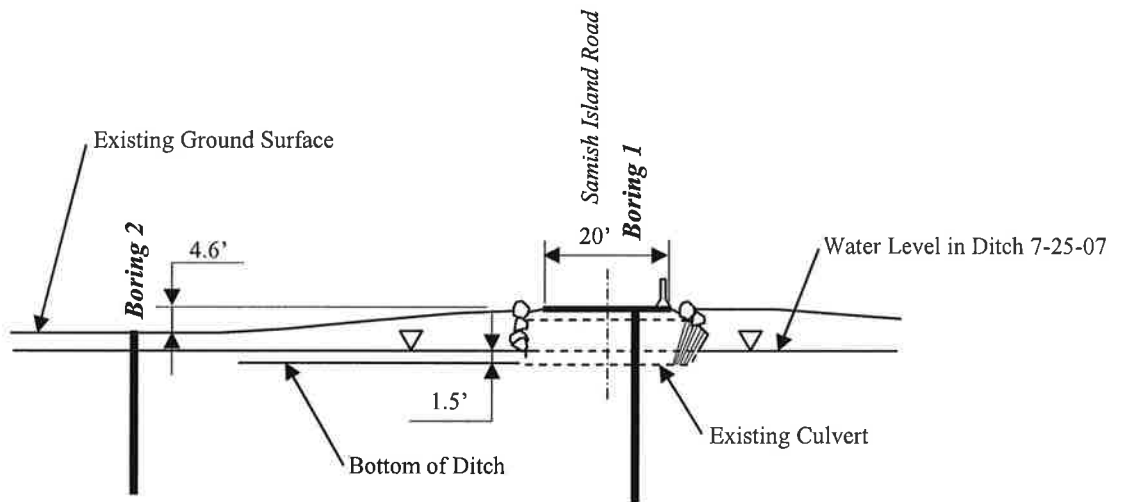
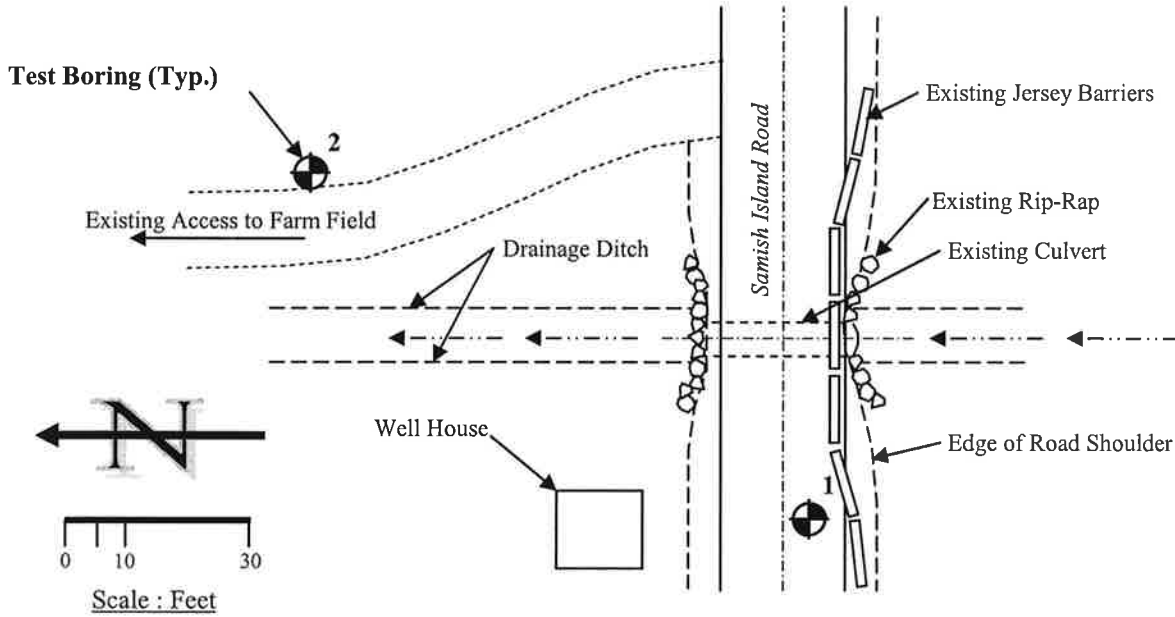
# Unified Soil Classification System

Major Divisions			Group Descriptions		
<b>Coarse Grained Soils</b>  More than 50% retained on No. 200 sieve size	Gravel and Gravelly Soils	Clean gravel (little or no fines)	<b>GW</b>	Well-graded GRAVEL	
			<b>GP</b>	Poorly-graded GRAVEL	
	More than 50% of coarse fraction retained on No. 4 sieve	Gravel with appreciable fines		<b>GM</b>	Silty GRAVEL
				<b>GC</b>	Clayey GRAVEL
		Clean sand (little or no fines)		<b>SW</b>	Well-graded SAND
				<b>SP</b>	Poorly-graded SAND
		Sand with appreciable fines		<b>SM</b>	Silty SAND
				<b>SC</b>	Clayey SAND
<b>Fine grained soils</b>  50% or more passing No. 200 sieve size	Silt and Clay  Liquid limit less than 50%		<b>ML</b>	SILT	
			<b>CL</b>	Lean CLAY	
			<b>OL</b>	Organic SILT/Organic CLAY	
	Silt and Clay  Liquid limit 50% or more		<b>MH</b>	Elastic SILT	
			<b>CH</b>	Fat CLAY	
			<b>OH</b>	Organic SILT/Organic CLAY	
		<b>Highly Organic Soils</b>		<b>PT</b>	PEAT

# Location Map



# Site Plan with Test Pit Locations



# Test Boring Logs

Materials Testing & Consulting, Inc. Burlington, WA		LOG OF BORING BH-1 (Page 1 of 1)												
Samish Island Road Culvert Geotechnical Site Investigation		Date Started : 7-25-07	South Coord. : 5' from road center line											
Bellingham, WA		Date Completed : 7-25-07	West Coord. : 30' from culvert center line											
Project # 07B146		Hole Diameter : 8 inches	Drilling Company : Gregory Drilling											
		Drilling Method : Hollow Stem	Drilling Rep. : Chris											
		Sampling Method : Split Spoon	Logged By : Randy Ross											
Depth in Feet	Surf. Elev. 10	USCS	GRAPHIC	DESCRIPTION	Samples	Inches Recovered	Sample Type	Sample Condition	Blow Count Graph				Blow Count	Water Level
									0	20	40	60		
0	10			Asphalt Concrete										
		GP		Crushed Baserock	2	12								
				Dark brown sandy GRAVEL (pit run fill)	3	12								
				Dark brown silty SAND, medium dense, wet	4	0								
5	5	SM		saturated	5	13								
				Black silty SAND, loose, saturated	6	3								
10	0	SM		Black SAND, loose, saturated	7	11								
15	-5				8	0								
20	-10	SP			9	0								
25	-15				10	10								
30	-20				11	17								
				Total depth = 31.5'										
35														

Materials Testing & Consulting, Inc. Burlington, WA		LOG OF BORING BH-2 (Page 1 of 1)												
Samish Island Road Culvert Geotechnical Site Investigation		Date Started : 7-25-07	North Coord. : 75' from road center line								Date Completed : 7-25-07	East Coord. : 25' from culvert center line		
Bellingham, WA		Hole Diameter : 8 inches	Drilling Company : Gregory Drilling								Drilling Method : Hollow Stem	Drilling Rep. : Chris		
Project # 07B146		Sampling Method : Split Spoon	Logged By : Randy Ross											
Depth in Feet	Surf. Elev. 5.4	USCS	GRAPHIC	DESCRIPTION	Samples	Inches Recovered	Sample Type	Sample Condition	Blow Count Graph				Blow Count	Water Level
									0	20	40	60		
0	5	ML		Brown sandy SILT, medium dense, moist										
		ML		Grey SILT, loose, saturated	2	6						0		
		ML		Grey SAND with silt, loose, saturated, fine to medium grained	3	6						0		
	5	SP-SM		3' of heaving sand	4	8						6		
		SP-SM		1' of heaving sand	5	10						3		
	10	SM		Grey silty SAND, loose, saturated	6	16						1		
		SM		Grey SAND, loose, saturated, medium to coarse grained	7	12						5		
		SM		3' of heaving sand	8	10						10		
	15	SP		medium grained with silt seams to 1-1/2" thick	9	11						10		
		SP		3' of heaving sand	10	16						16		
	20													
	25													
	30													
	35													
Total depth = 26.5'														

## Laboratory Test Summary

Test Boring Number	Depth (ft)	USCS	Moisture Content (%)	Percent Passing #200 Sieve	Plasticity Index
1	1.0		2.5		
1	2.5	SM	18.7	37.6	5.7
1	7.8	SM		48.9	
2	2.0		37.9		
2	3.0		19.7		
2	5.8	SP-SM		27.3	

# Sieve Report

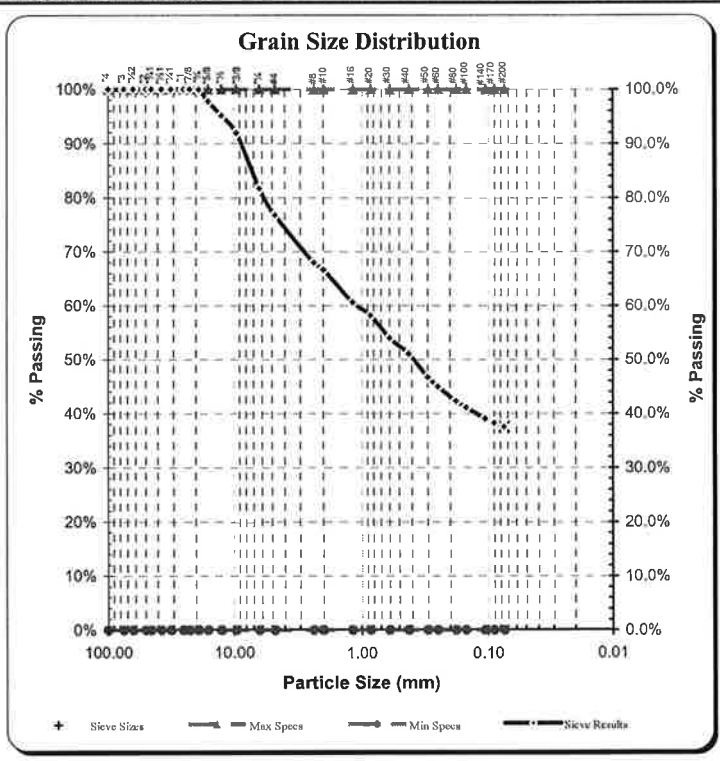
<b>Project:</b> Samish Island Road Culvert	<b>Date Received:</b> 25-Jul-07	<b>ASTM D-2487 Unified Soils Classification System</b>	
<b>Project #:</b> 07B146	<b>Sampled By:</b> R Ross	SM, Silty Sand with Gravel	
<b>Client:</b> Skagit County Public Works	<b>Date Tested:</b> 1-Aug-07		
<b>Source:</b> BH 1 @ 2.5'	<b>Tested By:</b> V Duran / C Shear		
<b>Sample#:</b> 071545			

<b>Specifications</b>	D <sub>(10)</sub> = 0.020 mm	% Gravel = 23.3%	Coeff. of Curvature, C <sub>c</sub> = 0.16
No Specs	D <sub>(30)</sub> = 0.060 mm	% Sand = 39.2%	Coeff. of Uniformity, C <sub>u</sub> = 54.98
<b>Sample Meets Specs ?</b>	D <sub>(60)</sub> = 1.098 mm	% Silt & Clay = 37.6%	Fineness Modulus = 2.61
	Liquid Limit = 33.2%	Plastic Limit = 27.5%	Plasticity Index = 5.7%
	Fracture % = n/a	Moisture % = n/a	

ASTM C-136, ASTM D-4318

Sieve Size		Actual Cumulative Percent Passing	Interpolated Cumulative Percent Passing	Specs Max	Specs Min
US	Metric				
6.00"	150.00		100%	100.0%	0.0%
4.00"	100.00		100%	100.0%	0.0%
3.00"	75.00		100%	100.0%	0.0%
2.50"	63.00		100%	100.0%	0.0%
2.00"	50.00		100%	100.0%	0.0%
1.75"	45.00		100%	100.0%	0.0%
1.50"	37.50		100%	100.0%	0.0%
1.25"	31.50		100%	100.0%	0.0%
1.00"	25.00		100%	100.0%	0.0%
7/8"	22.40		100%	100.0%	0.0%
3/4"	19.00	100%	100%	100.0%	0.0%
5/8"	16.00		98%	100.0%	0.0%
1/2"	12.50	95%	95%	100.0%	0.0%
3/8"	9.50	92%	92%	100.0%	0.0%
1/4"	6.30		82%	100.0%	0.0%
#4	4.75	77%	77%	100.0%	0.0%
#8	2.360		68%	100.0%	0.0%
#10	2.000	67%	67%	100.0%	0.0%
#16	1.180		61%	100.0%	0.0%
#20	0.850	58%	58%	100.0%	0.0%
#30	0.600		54%	100.0%	0.0%
#40	0.425	51%	51%	100.0%	0.0%
#50	0.300		47%	100.0%	0.0%
#60	0.250	45%	45%	100.0%	0.0%
#80	0.180		42%	100.0%	0.0%
#100	0.150	41%	41%	100.0%	0.0%
#140	0.106		39%	100.0%	0.0%
#170	0.090		38%	100.0%	0.0%
#200	0.075	37.6%	37.6%	100.0%	0.0%



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Comments:

Reviewed by:

*C. R.*



# Sieve Report

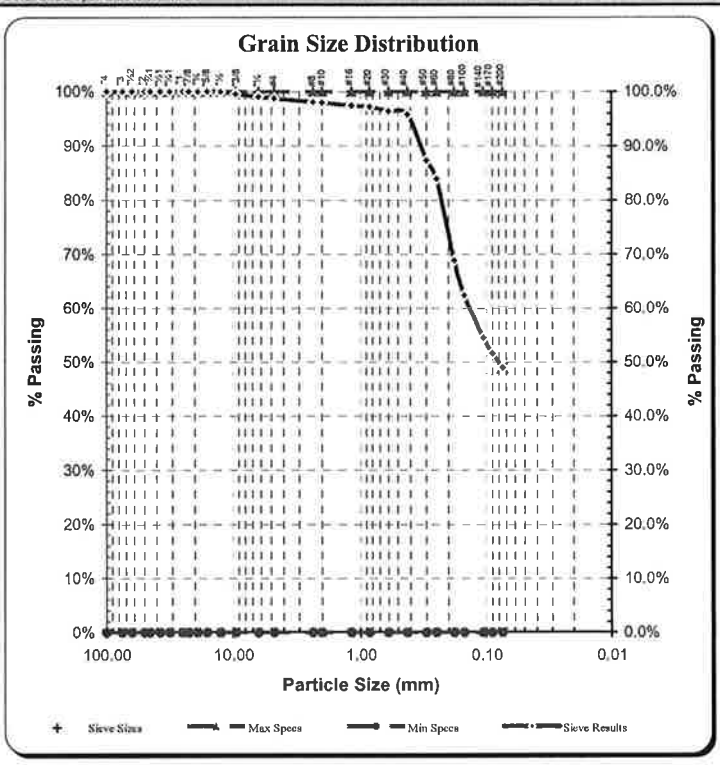
<b>Project:</b> Samish Island Road Culvert	<b>Date Received:</b> 25-Jul-07	<b>ASTM D-2487 Unified Soils Classification System</b>
<b>Project #:</b> 07B146	<b>Sampled By:</b> R Ross	<b>SM, Silty Sand</b>
<b>Client:</b> Skagit County Public Works	<b>Date Tested:</b> 1-Aug-07	
<b>Source:</b> BH 1 @ 7.8'	<b>Tested By:</b> V Duran / C Shear	
<b>Sample#:</b> 071546		

<b>Specifications</b>	D <sub>(10)</sub> = 0.015 mm	% Gravel = 1.2%	Coeff. of Curvature, C <sub>c</sub> = 1.01
No Specs	D <sub>(30)</sub> = 0.046 mm	% Sand = 49.8%	Coeff. of Uniformity, C <sub>u</sub> = 8.92
<b>Sample Meets Specs ?</b>	D <sub>(60)</sub> = 0.137 mm	% Silt & Clay = 48.9%	Fineness Modulus = 0.60
	Liquid Limit = n/a	Plastic Limit = n/a	Plasticity Index = n/a
	Fracture % = n/a	Moisture % = n/a	

ASTM C-136, ASTM D-4318

Sieve Size		Actual Cumulative Percent Passing	Interpolated Cumulative Percent Passing	Specs Max	Specs Min
US	Metric				
6.00"	150.00		100%	100.0%	0.0%
4.00"	100.00		100%	100.0%	0.0%
3.00"	75.00		100%	100.0%	0.0%
2.50"	63.00		100%	100.0%	0.0%
2.00"	50.00		100%	100.0%	0.0%
1.75"	45.00		100%	100.0%	0.0%
1.50"	37.50		100%	100.0%	0.0%
1.25"	31.50		100%	100.0%	0.0%
1.00"	25.00		100%	100.0%	0.0%
7/8"	22.40		100%	100.0%	0.0%
3/4"	19.00	100%	100%	100.0%	0.0%
5/8"	16.00		100%	100.0%	0.0%
1/2"	12.50	100%	100%	100.0%	0.0%
3/8"	9.50	100%	100%	100.0%	0.0%
1/4"	6.30		99%	100.0%	0.0%
#4	4.75	99%	99%	100.0%	0.0%
#8	2.360	98%	98%	100.0%	0.0%
#10	2.000	98%	98%	100.0%	0.0%
#16	1.180	97%	97%	100.0%	0.0%
#20	0.850	97%	97%	100.0%	0.0%
#30	0.600	96%	96%	100.0%	0.0%
#40	0.425	96%	96%	100.0%	0.0%
#50	0.300	87%	87%	100.0%	0.0%
#60	0.250	84%	84%	100.0%	0.0%
#80	0.180	69%	69%	100.0%	0.0%
#100	0.150	62%	62%	100.0%	0.0%
#140	0.106	54%	54%	100.0%	0.0%
#170	0.090	52%	52%	100.0%	0.0%
#200	0.075	48.9%	48.9%	100.0%	0.0%



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Comments:

Reviewed by:

*C. R.*

# Sieve Report

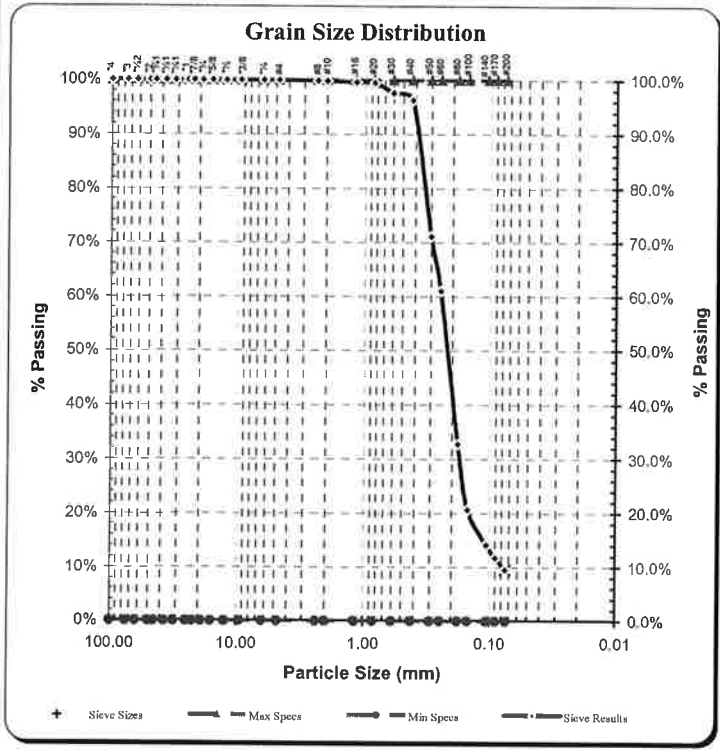
**Project:** Samish Island Road Culvert **Date Received:** 25-Jul-07  
**Project #:** 07B146 **Sampled By:** R Ross **ASTM D-2487 Unified Soils Classification System**  
**Client:** Skagit County Public Works **Date Tested:** 1-Aug-07 **SP-SM, Poorly graded Sand with Silt**  
**Source:** BH 2 @ 5.8' **Tested By:** V Duran / C Shear  
**Sample#:** 071549

**Specifications**  
 No Specs  
 Sample Meets Specs ?

$D_{(10)} = 0.078$  mm      % Gravel = 0.0%      Coeff. of Curvature,  $C_c = 1.55$   
 $D_{(30)} = 0.173$  mm      % Sand = 90.5%      Coeff. of Uniformity,  $C_u = 3.17$   
 $D_{(60)} = 0.248$  mm      % Silt & Clay = 9.5%      Fineness Modulus = 1.11  
 Liquid Limit = n/a      Plastic Limit = n/a      Plasticity Index = n/a  
 Fracture % = n/a      Moisture % = n/a

**ASTM C-136, ASTM D-4318**

Sieve Size		Actual Cumulative Percent Passing	Interpolated Cumulative Percent Passing	Specs Max	Specs Min
US	Metric				
6.00"	150.00		100%	100.0%	0.0%
4.00"	100.00		100%	100.0%	0.0%
3.00"	75.00		100%	100.0%	0.0%
2.50"	63.00		100%	100.0%	0.0%
2.00"	50.00		100%	100.0%	0.0%
1.75"	45.00		100%	100.0%	0.0%
1.50"	37.50		100%	100.0%	0.0%
1.25"	31.50		100%	100.0%	0.0%
1.00"	25.00		100%	100.0%	0.0%
7/8"	22.40		100%	100.0%	0.0%
3/4"	19.00	100%	100%	100.0%	0.0%
5/8"	16.00		100%	100.0%	0.0%
1/2"	12.50	100%	100%	100.0%	0.0%
3/8"	9.50	100%	100%	100.0%	0.0%
1/4"	6.30		100%	100.0%	0.0%
#4	4.75	100%	100%	100.0%	0.0%
#8	2.360		100%	100.0%	0.0%
#10	2.000	100%	100%	100.0%	0.0%
#16	1.180		100%	100.0%	0.0%
#20	0.850	99%	99%	100.0%	0.0%
#30	0.600		98%	100.0%	0.0%
#40	0.425	96%	96%	100.0%	0.0%
#50	0.300		71%	100.0%	0.0%
#60	0.250	61%	61%	100.0%	0.0%
#80	0.180		33%	100.0%	0.0%
#100	0.150	21%	21%	100.0%	0.0%
#140	0.106		14%	100.0%	0.0%
#170	0.090		12%	100.0%	0.0%
#200	0.075	9.5%	9.5%	100.0%	0.0%



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**Comments:** \_\_\_\_\_

**Reviewed by:** C. Z