

# CONTRACT PROVISIONS and SPECIFICATIONS

Colony Mountain Drive Culvert  
Replacement Project  
#ES24100-2

PUBLIC WORKS PROJECT  
SKAGIT COUNTY PUBLIC WORKS

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### Colony Mountain Drive Culvert Replacement Project #ES24100-2

This Contract provides for the improvement of Colony Mountain Drive at Harrison Creek by removing and replacing the existing stream crossing. Elements of the project include: surveying, removal of asphalt road surfacing, roadway excavation, removal of existing culverts, coordination with utilities, erosion control, clearing and grubbing, installation of a new 11-foot culvert, streambed restoration, asphalt paving, erosion control, and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.



**Schedule:** All work is to be completed within 24 working days from Notice to Proceed.

**Measurement & Payment:** Each item will be per the bid proposal.

**COLONY MOUNTAIN DRIVE CULVERT REPLACEMENT  
PROJECT #ES24100-2**

**SKAGIT COUNTY, WASHINGTON**

**2020  
SKAGIT COUNTY  
DEPARTMENT OF PUBLIC WORKS  
MOUNT VERNON, WASHINGTON 98273-5625**

**NOTICE TO ALL PLAN HOLDERS**

Copies of the Plans and specifications are available at Skagit County Public Works, 1800 Continental Place, Mount Vernon, Washington 98273-5625. Telephone: (360) 416-1400. You may receive the bid information electronically; copies of the plans and specifications are available at: <http://www.skagitcounty.net/rfp>

**APPROVED:**

  
\_\_\_\_\_  
Paul A. Randall-Grutter, P.E.  
County Engineer

**MAPS, PLANS, AND SPECIFICATIONS APPROVED:**

BOARD OF COUNTY COMMISSIONERS  
SKAGIT COUNTY, WASHINGTON

  
\_\_\_\_\_  
Ron Wesen, Chair

  
\_\_\_\_\_  
Kenneth A. Dahlstedt, Commissioner

  
\_\_\_\_\_  
Lisa Janicki, Commissioner

# COLONY MOUNTAIN DRIVE CULVERT REPLACEMENT PROJECT #ES24100-2

## CERTIFICATION

We hereby certify that these contract documents were prepared by us or under our direct supervision, and that we are duly registered Professional Engineers under the laws of the State of Washington.

Engineer of Record



With the exception of Specifications  
prepared by KPFF Consulting Engineers

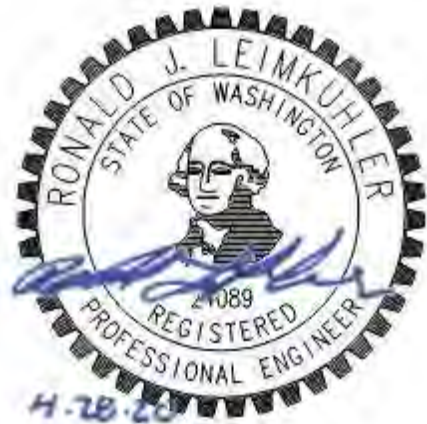


# COLONY MOUNTAIN DRIVE CULVERT REPLACEMENT PROJECT #ES24100-2

## ENGINEER'S STATEMENT

The engineering material and data contained in the Plans and Division 2 – 9 Specifications were prepared under supervision and direction of the undersigned, whose seal as a registered professional engineer is affixed below.

Engineer of Record



## NOTICE OF CALL FOR BIDS

NOTICE IS HEREBY GIVEN by SKAGIT COUNTY that sealed bids will be received and publicly opened in the Commissioners' Hearing Room, 1800 Continental Place, Mount Vernon, WA 98273 on **Monday, July 20, 2020, at the hour of 2:30 p.m.**, or as soon thereafter as possible, for the following construction work:

### **PROJECT DESCRIPTION: Colony Mountain Drive Culvert Replacement Project #ES24100-2;**

This Contract provides for the improvement of Colony Mountain Drive at Harrison Creek by removing and replacing the existing stream crossing. Elements of the project include: surveying, removal of asphalt road surfacing, roadway excavation, removal of existing culverts, coordination with utilities, erosion control, clearing and grubbing, installation of a new 11-foot culvert, streambed restoration, asphalt paving, erosion control, and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

**The time limit for physical completion of work is a total of 24 WORKING DAYS.** The Engineer's Estimate Range is \$339,516.00 to \$414,965.00.

Contractor and all subcontractors shall have a contractor's license to work in the State of Washington.

Information, copies of maps, plans, specifications, and addenda for this project will be available on-line beginning **July 2, 2020** at <http://www.skagitcounty.net/rfp> or obtained at Skagit County Public Works Department, 1800 Continental Place, Mount Vernon, Washington; (360) 416-1400. Contractors who download plans and specifications are advised to e-mail [brendao@co.skagit.wa.us](mailto:brendao@co.skagit.wa.us) to be added to plan holders list to receive any addenda that may be issued.

A Pre-Bid Meeting will be held on **Friday, July 10, 2020 at the hour of 9:00 a.m.** at 4211 Colony Mountain Drive Bow, WA 98232. All technical questions regarding this project are to be submitted **no later than 10:00 a.m., Monday, July 13, 2020** in writing to David Walde, Project Manager, or by e-mail to [davidw@co.skagit.wa.us](mailto:davidw@co.skagit.wa.us) with the subject line reading, "**Colony Mountain Drive Culvert Replacement Project #ES24100-2**". All project specific questions and response to answers for this project will be available on-line as received. **All Addenda will be posted on-line for this project by 5:00 p.m. Tuesday, July 14, 2020.** If further Addenda are required to be issued, the bid opening will be postponed.

All bid envelopes must be plainly marked on the outside, "**Colony Mountain Drive Culvert Replacement Project #ES24100-2**". Sealed bids shall be received by one of the following delivery methods before **Monday, July 20, 2020 at the hour of 2:30 p.m.** Proposals are to be submitted on the forms provided in the Bid Proposal Packet. Incomplete proposals and proposals received after the time fixed for the opening cannot be considered. Oral, telephonic, telegraphic, electronic or faxed proposals will not be accepted. All bidding shall be based upon compliance with the Contract Provisions and Plans.

1. **Hand delivered:** Bids delivered in person shall be received only at the office of the SKAGIT COUNTY COMMISSIONERS, Reception Desk, 1800 Continental Place, Suite 100, Mount Vernon, WA 98273-5625.
2. **Via mail:** Bids shall be mailed to the SKAGIT COUNTY COMMISSIONERS, 1800 Continental Place, Suite 100, Mount Vernon, WA 98273-5625.

**BID GUARANTY:** No bid will be considered unless accompanied by a surety company bid bond, or a certified or cashier's check payable to the order of Skagit County for a sum not less than five percent (5%) of the total amount of the bid. A Contract Bond covering performance and payment will be required with the contract. Washington State Prevailing Wage Rates apply to this contract and bidders are advised to consider this charge when tabulating bids.

Skagit County reserves the right to reject any or all bids, and the right to waive any informalities or irregularities in any bid or in any bidding and to further award the Project to the lowest, responsive, responsible bidder whose bid complies with all of the prescribed formalities, as it best serves the interest of Skagit County. After the date and hour set for the opening of bids, no bidder may withdraw its bid unless the award of the contract is delayed for a period exceeding sixty (60) calendar days following bid opening. All bidders agree to be bound by their bids until the expiration of this stated time period.

Skagit County in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-Assisted Programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises as defined at 49 CFR Part 26 will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin, or sex in consideration for an award.

For questions regarding Skagit County's Title VI Program, you may contact the Public Works Department's Title VI Liaison, Bobbi Fisher, P.E., at (360) 416-1400.

The Board of Skagit County Commissioners reserves the right to reject any or all bids.

NOTICE GIVEN BY ORDER OF THE BOARD OF SKAGIT COUNTY COMMISSIONERS this 29  
day of June, 2020.



Clerk of the Board

Published: Skagit Valley Herald – July 2<sup>nd</sup> & 9<sup>th</sup>, 2020  
Daily Journal of Commerce – July 2<sup>nd</sup> & 9<sup>th</sup>, 2020

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## INTRODUCTION TO THE SPECIAL PROVISIONS

(August 14, 2013 APWA GSP)

The work on this project shall be accomplished in accordance with the *Standard Specifications for Road, Bridge and Municipal Construction*, 2020 edition, as issued by the Washington State Department of Transportation (WSDOT) and the American Public Works Association (APWA), Washington State Chapter (hereafter "Standard Specifications"). The Standard Specifications, as modified or supplemented by the Amendments to the Standard Specifications and these Special Provisions, all of which are made a part of the Contract Documents, shall govern all of the Work.

These Special Provisions are made up of both General Special Provisions (GSPs) from various sources, which may have project-specific fill-ins; and project-specific Special Provisions. Each Provision either supplements, modifies, or replaces the comparable Standard Specification, or is a new Provision. The deletion, amendment, alteration, or addition to any subsection or portion of the Standard Specifications is meant to pertain only to that particular portion of the section, and in no way should it be interpreted that the balance of the section does not apply.

The project-specific Special Provisions are not labeled as such. The GSPs are labeled under the headers of each GSP, with the effective date of the GSP and its source. For example:

(March 8, 2018 APWA GSP)

(April 1, 2018 WSDOT GSP)

(May 1, 2018 SkagitR GSP)

Also incorporated into the Contract Documents by reference are:

- *Manual on Uniform Traffic Control Devices for Streets and Highways*, currently adopted edition, with Washington State modifications, if any
- *Standard Plans for Road, Bridge and Municipal Construction*, WSDOT/APWA, current edition

Contractor shall obtain copies of these publications, at Contractor's own expense.



1  
2  
3 **Division 1**  
4 **General Requirements**  
5

6 **DESCRIPTION OF WORK**  
7

8 (March 13, 1995)

9 This Contract provides for the improvement of Colony Mountain Drive at Harrison Creek by  
10 removing and replacing the existing stream crossing. Elements of the project include:  
11 surveying, removal of asphalt road surfacing, roadway excavation, removal of existing  
12 culverts, coordination with utilities, erosion control, clearing and grubbing, installation of a  
13 new 11-foot culvert, streambed restoration, asphalt paving, erosion control, and other work,  
14 all in accordance with the attached Contract Plans, these Contract Provisions, and the  
15 Standard Specifications.  
16

17 **Bid Procedures and Conditions**  
18

19 **1-01.3 Definitions**

20 *(January 4, 2016 APWA GSP)*  
21

22 Delete the heading **Completion Dates** and the three paragraphs that follow it, and replace  
23 them with the following:  
24

25 **Dates**

26 ***Bid Opening Date***

27 The date on which the Contracting Agency publicly opens and reads the Bids.

28 ***Award Date***

29 The date of the formal decision of the Contracting Agency to accept the lowest  
30 responsible and responsive Bidder for the Work.

31 ***Contract Execution Date***

32 The date the Contracting Agency officially binds the Agency to the Contract.

33 ***Notice to Proceed Date***

34 The date stated in the Notice to Proceed on which the Contract time begins.

35 ***Substantial Completion Date***

36 The day the Engineer determines the Contracting Agency has full and unrestricted  
37 use and benefit of the facilities, both from the operational and safety standpoint, any  
38 remaining traffic disruptions will be rare and brief, and only minor incidental work,  
39 replacement of temporary substitute facilities, plant establishment periods, or  
40 correction or repair remains for the Physical Completion of the total Contract.

41 ***Physical Completion Date***

42 The day all of the Work is physically completed on the project. All documentation  
43 required by the Contract and required by law does not necessarily need to be  
44 furnished by the Contractor by this date.

45 ***Completion Date***

46 The day all the Work specified in the Contract is completed and all the obligations of  
47 the Contractor under the contract are fulfilled by the Contractor. All documentation  
48 required by the Contract and required by law must be furnished by the Contractor  
49 before establishment of this date.

1                   **Final Acceptance Date**  
2                   The date on which the Contracting Agency accepts the Work as complete.  
3  
4                   Supplement this Section with the following:  
5  
6                   All references in the Standard Specifications, Amendments, or WSDOT General Special  
7                   Provisions, to the terms "Department of Transportation", "Washington State  
8                   Transportation Commission", "Commission", "Secretary of Transportation", "Secretary",  
9                   "Headquarters", and "State Treasurer" shall be revised to read "Contracting Agency".  
10  
11                  All references to the terms "State" or "state" shall be revised to read "Contracting  
12                  Agency" unless the reference is to an administrative agency of the State of Washington,  
13                  a State statute or regulation, or the context reasonably indicates otherwise.  
14  
15                  All references to "State Materials Laboratory" shall be revised to read "Contracting  
16                  Agency designated location".  
17  
18                  All references to "final contract voucher certification" shall be interpreted to mean the  
19                  Contracting Agency form(s) by which final payment is authorized, and final completion  
20                  and acceptance granted.  
21  
22                  **Additive**  
23                  A supplemental unit of work or group of bid items, identified separately in the Bid  
24                  Proposal, which may, at the discretion of the Contracting Agency, be awarded in addition  
25                  to the base bid.  
26  
27                  **Alternate**  
28                  One of two or more units of work or groups of bid items, identified separately in the Bid  
29                  Proposal, from which the Contracting Agency may make a choice between different  
30                  methods or material of construction for performing the same work.  
31  
32                  **Business Day**  
33                  A business day is any day from Monday through Friday except holidays as listed in  
34                  Section 1-08.5.  
35  
36                  **Contract Bond**  
37                  The definition in the Standard Specifications for "Contract Bond" applies to whatever  
38                  bond form(s) are required by the Contract Documents, which may be a combination of a  
39                  Payment Bond and a Performance Bond.  
40  
41                  **Contract Documents**  
42                  See definition for "Contract".  
43  
44                  **Contract Time**  
45                  The period of time established by the terms and conditions of the Contract within which  
46                  the Work must be physically completed.  
47  
48                  **Notice of Award**  
49                  The written notice from the Contracting Agency to the successful Bidder signifying the  
50                  Contracting Agency's acceptance of the Bid Proposal.  
51

**Notice to Proceed**

The written notice from the Contracting Agency or Engineer to the Contractor authorizing and directing the Contractor to proceed with the Work and establishing the date on which the Contract time begins.

**Traffic**

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

**1-02 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**

*(January 24, 2011 APWA GSP)*

Before award of a public works contract, a bidder must meet at least the minimum qualifications of RCW 39.04.350(1) to be considered a responsible bidder and qualified to be awarded a public works project.

**1-02.2 Plans and Specifications**

*(June 27, 2011 APWA GSP)*

Delete this section and replace it with the following:

Information as to where Bid Documents can be obtained or reviewed can be found in the Call for Bids (Advertisement for Bids) for the work.

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")	4	Furnished automatically upon award.
Contract Provisions	4	Furnished automatically upon award.
Large plans (e.g., 22" x 34")	2	Furnished only upon request.

Additional plans and Contract Provisions may be obtained by the Contractor from the source stated in the Call for Bids, at the Contractor's own expense.

1 **1-02.5 Proposal Forms**

2 *(July 31, 2017 APWA GSP)*

3  
4 Delete this section and replace it with the following:

5  
6 The Proposal Form will identify the project and its location and describe the work. It will  
7 also list estimated quantities, units of measurement, the items of work, and the materials  
8 to be furnished at the unit bid prices. The bidder shall complete spaces on the proposal  
9 form that call for, but are not limited to, unit prices; extensions; summations; the total bid  
10 amount; signatures; date; and, where applicable, retail sales taxes and acknowledgment  
11 of addenda; the bidder's name, address, telephone number, and signature; the bidder's  
12 UDBE/DBE/M/WBE commitment, if applicable; a State of Washington Contractor's  
13 Registration Number; and a Business License Number, if applicable. Bids shall be  
14 completed by typing or shall be printed in ink by hand, preferably in black ink. The  
15 required certifications are included as part of the Proposal Form.

16  
17 The Contracting Agency reserves the right to arrange the proposal forms with alternates  
18 and additives, if such be to the advantage of the Contracting Agency. The bidder shall  
19 bid on all alternates and additives set forth in the Proposal Form unless otherwise  
20 specified.

21  
22 **Preparation of Proposal**

23  
24 **1-02.6 Preparation of Proposal**

25 *(July 11, 2018 APWA GSP)*

26  
27 Supplement the second paragraph with the following:

- 28 4. If a minimum bid amount has been established for any item, the unit or lump sum  
29 price must equal or exceed the minimum amount stated.
- 30 5. Any correction to a bid made by interlineation, alteration, or erasure, shall be  
31 initialed by the signer of the bid.

32  
33 Delete the last two paragraphs, and replace them with the following:

34  
35 If no Subcontractor is listed, the Bidder acknowledges that it does not intend to use any  
36 Subcontractor to perform those items of work.

37  
38 The Bidder shall submit with their Bid a completed Contractor Certification Wage Law  
39 Compliance form, provided by the Contracting Agency. Failure to return this certification  
40 as part of the Bid Proposal package will make this Bid Nonresponsive and ineligible for  
41 Award. A Contractor Certification of Wage Law Compliance form is included in the  
42 Proposal Forms.

43  
44 The Bidder shall make no stipulation on the Bid Form, nor qualify the bid in any manner.

45  
46 A bid by a corporation shall be executed in the corporate name, by the president or a  
47 vice president (or other corporate officer accompanied by evidence of authority to sign).

48  
49 A bid by a partnership shall be executed in the partnership name, and signed by a  
50 partner. A copy of the partnership agreement shall be submitted with the Bid Form if any  
51 UDBE requirements are to be satisfied through such an agreement.

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A bid by a joint venture shall be executed in the joint venture name and signed by a member of the joint venture. A copy of the joint venture agreement shall be submitted with the Bid Form if any UDBE requirements are to be satisfied through such an agreement.

Add the following new section:

**1-02.6(1) Recycled Materials Proposal**  
*(January 4, 2016 APWA GSP)*

The Bidder shall submit with the Bid, its proposal for incorporating recycled materials into the project, using the form provided in the Contract Provisions.

**1-02.7 Bid Deposit**  
*(March 8, 2013 APWA GSP)*

Supplement this section with the following:

Bid bonds shall contain the following:

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

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

If so stated in the Contract Provisions, cash will not be accepted for a bid deposit.

**Delivery of Proposal**

**1-02.9 Delivery of Proposal**  
*(July 14, 2016 SkagitR)*

Delete Section 1-02.9 and replace it with the following:

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

The Contracting Agency will not open or consider any Bid Proposal that is received after the time specified in the Call for Bids for receipt of Bid Proposals, or received in a location other than that specified in the Call for Bids.



1  
2 **1-02.10 Withdrawing, Revising, or Supplementing Proposal**  
3 *(July 23, 2015 APWA GSP)*

4  
5 Delete this section, and replace it with the following:

6  
7 After submitting a physical Bid Proposal to the Contracting Agency, the Bidder may  
8 withdraw, revise, or supplement it if:

- 9  
10 1. The Bidder submits a written request signed by an authorized person and  
11 physically delivers it to the place designated for receipt of Bid Proposals, and  
12 2. The Contracting Agency receives the request before the time set for receipt of  
13 Bid Proposals, and  
14 3. The revised or supplemented Bid Proposal (if any) is received by the Contracting  
15 Agency before the time set for receipt of Bid Proposals.

16  
17 If the Bidder's request to withdraw, revise, or supplement its Bid Proposal is received  
18 before the time set for receipt of Bid Proposals, the Contracting Agency will return the  
19 unopened Proposal package to the Bidder. The Bidder must then submit the revised or  
20 supplemented package in its entirety. If the Bidder does not submit a revised or  
21 supplemented package, then its bid shall be considered withdrawn.

22  
23 Late revised or supplemented Bid Proposals or late withdrawal requests will be date  
24 recorded by the Contracting Agency and returned unopened. Mailed, emailed, or faxed  
25 requests to withdraw, revise, or supplement a Bid Proposal are not acceptable.

26  
27 **Public Opening of Proposals**

28  
29 **1-02.12 Public Opening Of Proposal**  
30 *(July 14, 2016 SkagitR)*

31  
32 Section 1-02.12 is supplemented with the following:

33  
34 Sealed bids shall be received at the time and location specified in the Call for Bids, unless  
35 modified by addenda.

36  
37 **Irregular Proposals**

38  
39 **1-02.13 Irregular Proposals**  
40 *(December 19, 2019 APWA GSP)*

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

- 43  
44 1. A Proposal will be considered irregular and will be rejected if:  
45 a. The Bidder is not prequalified when so required;  
46 b. The authorized Proposal form furnished by the Contracting Agency is not  
47 used or is altered;  
48 c. The completed Proposal form contains any unauthorized additions, deletions,  
49 alternate Bids, or conditions;  
50 d. The Bidder adds provisions reserving the right to reject or accept the award,  
51 or enter into the Contract;  
52 e. A price per unit cannot be determined from the Bid Proposal;

- 1 f. The Proposal form is not properly executed;
- 2 g. The Bidder fails to submit or properly complete a Subcontractor list, if
- 3 applicable, as required in Section 1-02.6;
- 4 h. The Bidder fails to submit or properly complete an Underutilized
- 5 Disadvantaged Business Enterprise Certification, if applicable, as required in
- 6 Section 1-02.6;
- 7 i. The Bidder fails to submit written confirmation from each UDBE firm listed on
- 8 the Bidder's completed UDBE Utilization Certification that they are in
- 9 agreement with the bidder's UDBE participation commitment, if applicable, as
- 10 required in Section 1-02.6, or if the written confirmation that is submitted fails
- 11 to meet the requirements of the Special Provisions;
- 12 j. The Bidder fails to submit UDBE Good Faith Effort documentation, if
- 13 applicable, as required in Section 1-02.6, or if the documentation that is
- 14 submitted fails to demonstrate that a Good Faith Effort to meet the Condition
- 15 of Award was made;
- 16 k. The Bidder fails to submit a UDBE Bid Item Breakdown form, if applicable, as
- 17 required in Section 1-02.6, or if the documentation that is submitted fails to
- 18 meet the requirements of the Special Provisions;
- 19 l. The Bidder fails to submit UDBE Trucking Credit Forms, if applicable, as
- 20 required in Section 1-02.6, or if the documentation that is submitted fails to
- 21 meet the requirements of the Special Provisions;
- 22 m. The Bid Proposal does not constitute a definite and unqualified offer to meet
- 23 the material terms of the Bid invitation; or
- 24 n. More than one Proposal is submitted for the same project from a Bidder
- 25 under the same or different names.
- 26
- 27 2. A Proposal may be considered irregular and may be rejected if:
- 28 a. The Proposal does not include a unit price for every Bid item;
- 29 b. Any of the unit prices are excessively unbalanced (either above or below the
- 30 amount of a reasonable Bid) to the potential detriment of the Contracting
- 31 Agency;
- 32 c. Receipt of Addenda is not acknowledged;
- 33 d. A member of a joint venture or partnership and the joint venture or
- 34 partnership submit Proposals for the same project (in such an instance, both
- 35 Bids may be rejected); or
- 36 e. If Proposal form entries are not made in ink.
- 37
- 38

#### 39 **1-02.14 Disqualification of Bidders**

40 *(May 17, 2018 APWA GSP, Option A)*

41

42 Delete this section and replace it with the following:

43

44 A Bidder will be deemed not responsible if the Bidder does not meet the mandatory bidder

45 responsibility criteria in RCW 39.04.350(1), as amended.

46

47 The Contracting Agency will verify that the Bidder meets the mandatory bidder

48 responsibility criteria in RCW 39.04.350(1). To assess bidder responsibility, the

49 Contracting Agency reserves the right to request documentation as needed from the

50 Bidder and third parties concerning the Bidder's compliance with the mandatory bidder

51 responsibility criteria.

52

1 If the Contracting Agency determines the Bidder does not meet the mandatory bidder  
2 responsibility criteria in RCW 39.04.350(1) and is therefore not a responsible Bidder, the  
3 Contracting Agency shall notify the Bidder in writing, with the reasons for its determination.  
4 If the Bidder disagrees with this determination, it may appeal the determination within two  
5 (2) business days of the Contracting Agency's determination by presenting its appeal and  
6 any additional information to the Contracting Agency. The Contracting Agency will  
7 consider the appeal and any additional information before issuing its final determination.  
8 If the final determination affirms that the Bidder is not responsible, the Contracting Agency  
9 will not execute a contract with any other Bidder until at least two business days after the  
10 Bidder determined to be not responsible has received the Contracting Agency's final  
11 determination.

## 13 **1-02.15 Pre Award Information**

14 *(August 14, 2013 APWA GSP)*

16 Revise this section to read:

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

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

## 33 **Award and Execution of Contract**

### 35 **1-03.1(1) Identical Bid Totals**

36 *(January 4, 2016 APWA GSP)*

38 Revise this section to read:

40 After opening Bids, if two or more lowest responsive Bid totals are exactly equal, then  
41 the tie-breaker will be the Bidder with an equal lowest bid, that proposed to use the  
42 highest percentage of recycled materials in the Project, per the form submitted with the  
43 Bid Proposal. If those percentages are also exactly equal, then the tie-breaker will be  
44 determined by drawing as follows: Two or more slips of paper will be marked as follows:  
45 one marked "Winner" and the other(s) marked "unsuccessful". The slips will be folded to  
46 make the marking unseen. The slips will be placed inside a box. One authorized  
47 representative of each Bidder shall draw a slip from the box. Bidders shall draw in  
48 alphabetic order by the name of the firm as registered with the Washington State  
49 Department of Licensing. The slips shall be unfolded and the firm with the slip marked  
50 "Winner" will be determined to be the successful Bidder and eligible for Award of the  
51 Contract. Only those Bidders who submitted a Bid total that is exactly equal to the lowest

responsive Bid, and with a proposed recycled materials percentage that is exactly equal to the highest proposed recycled materials amount, are eligible to draw.

### **1-03.3 Execution of Contract**

*(October 1, 2005 APWA GSP)*

Revise this section to read:

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

Within twenty one (21) calendar days after the award date, the successful bidder shall return the signed Contracting Agency-prepared contract, an insurance certification as required by Section 1-07.18, and a satisfactory bond as required by law and Section 1-03.4. Before execution of the contract by the Contracting Agency, the successful bidder shall provide any pre-award information the Contracting Agency may require under Section 1-02.15.

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

If the bidder experiences circumstances beyond their control that prevents return of the contract documents within the calendar days after the award date stated above, the Contracting Agency may grant up to a maximum of ten (10) additional calendar days for return of the documents, provided the Contracting Agency deems the circumstances warrant it.

### **1-03.4 Contract Bond**

*(July 23, 2015 APWA GSP)*

Delete the first paragraph and replace it with the following:

The successful bidder shall provide executed payment and performance bond(s) for the full contract amount. The bond may be a combined payment and performance bond; or be separate payment and performance bonds. In the case of separate payment and performance bonds, each shall be for the full contract amount. The bond(s) shall:

1. Be on Contracting Agency-furnished form(s);
2. Be signed by an approved surety (or sureties) that:
  - a. Is registered with the Washington State Insurance Commissioner, and
  - b. Appears on the current Authorized Insurance List in the State of Washington published by the Office of the Insurance Commissioner,
3. Guarantee that the Contractor will perform and comply with all obligations, duties, and conditions under the Contract, including but not limited to the duty and obligation to indemnify, defend, and protect the Contracting Agency against all losses and claims related directly or indirectly from any failure:

- 1 a. Of the Contractor (or any of the employees, subcontractors, or lower tier
- 2 subcontractors of the Contractor) to faithfully perform and comply with all contract
- 3 obligations, conditions, and duties, or
- 4 b. Of the Contractor (or the subcontractors or lower tier subcontractors of the
- 5 Contractor) to pay all laborers, mechanics, subcontractors, lower tier
- 6 subcontractors, material person, or any other person who provides supplies or
- 7 provisions for carrying out the work;
- 8 4. Be conditioned upon the payment of taxes, increases, and penalties incurred on the
- 9 project under titles 50, 51, and 82 RCW; and
- 10 5. Be accompanied by a power of attorney for the Surety's officer empowered to sign
- 11 the bond; and
- 12 6. Be signed by an officer of the Contractor empowered to sign official statements (sole
- 13 proprietor or partner). If the Contractor is a corporation, the bond(s) must be signed
- 14 by the president or vice president, unless accompanied by written proof of the
- 15 authority of the individual signing the bond(s) to bind the corporation (i.e., corporate
- 16 resolution, power of attorney, or a letter to such effect signed by the president or vice
- 17 president).

### 18 **1-03.7 Judicial Review**

19 *(November 30, 2018 APWA GSP)*

20 Revise this section to read:

21  
22 Any decision made by the Contracting Agency regarding the Award and execution of the  
23 Contract or Bid rejection shall be conclusive subject to the scope of judicial review  
24 permitted under Washington Law. Such review, if any, shall be timely filed in the Superior  
25 Court of the county where the Contracting Agency headquarters is located, provided that  
26 where an action is asserted against a county, RCW 36.01.050 shall control venue and  
27 jurisdiction.  
28  
29

### 30 **Scope of the Work**

#### 31 **1-04.2 Coordination of Contract Documents, Plans, Special Provisions,**

#### 32 **Specifications, and Addenda**

33 *(March 13, 2012 APWA GSP)*

34 Revise the second paragraph to read:

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

- 37 1. Addenda,
  - 38 2. Proposal Form,
  - 39 3. Special Provisions,
  - 40 4. Contract Plans,
  - 41 5. Amendments to the Standard Specifications,
  - 42 6. Standard Specifications,
  - 43 7. Contracting Agency's Standard Plans or Details (if any), and
  - 44 8. WSDOT Standard Plans for Road, Bridge, and Municipal Construction.
- 45  
46  
47  
48  
49



1 **Control of Work**

2  
3 **Conformity With And Deviations From Plans And Stakes**

4  
5 **(August 7, 2017)**

6 **Contractor Surveying - Structure**

7 Copies of the Contracting Agency provided primary survey control data are available for  
8 the bidder's inspection at the office of the Engineer.  
9

10 The Contractor shall be responsible for setting, maintaining, and resetting all alignment  
11 stakes, slope stakes, and grades necessary for the construction of bridges, noise walls,  
12 and retaining walls. Except for the survey control data to be furnished by the Contracting  
13 Agency, calculations, surveying, and measuring required for setting and maintaining the  
14 necessary lines and grades shall be the Contractor's responsibility.  
15

16 The Contractor shall inform the Engineer when monuments are discovered that were not  
17 identified in the Plans and construction activity may disturb or damage the monuments.  
18 All monuments noted on the plans "DO NOT DISTURB" shall be protected throughout the  
19 length of the project or be replaced at the Contractors expense.  
20

21 Detailed survey records shall be maintained, including a description of the work  
22 performed on each shift, the methods utilized, and the control points used. The record  
23 shall be adequate to allow the survey to be reproduced. A copy of each day's record shall  
24 be provided to the Engineer within three working days after the end of the shift.  
25

26 The meaning of words and terms used in this provision shall be as listed in "Definitions of  
27 Surveying and Associated Terms" current edition, published by the American Congress  
28 on Surveying and Mapping and the American Society of Civil Engineers.  
29

30 The survey work by the Contractor shall include but not be limited to the following:  
31

- 32 1. Verify the primary horizontal and vertical control furnished by the Contracting  
33 Agency, and expand into secondary control by adding stakes and hubs as well  
34 as additional survey control needed for the project. Provide descriptions of  
35 secondary control to the Contracting Agency. The description shall include  
36 coordinates and elevations of all secondary control points.  
37
- 38 2. Establish, by placing hubs and/or marked stakes, the location with offsets of  
39 foundation shafts and piles.  
40
- 41 3. Establish offsets to footing centerline of bearing for structure excavation.  
42
- 43 4. Establish offsets to footing centerline of bearing for footing forms.  
44
- 45 5. Establish wing wall, retaining wall, and noise wall horizontal alignment.  
46
- 47 6. Establish retaining wall top of wall profile grade.  
48
- 49 7. Establish elevation benchmarks for all substructure formwork.  
50
- 51 8. Check elevations at top of footing concrete line inside footing formwork  
52 immediately prior to concrete placement.

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9. Check column location and pier centerline of bearing at top of footing immediately prior to concrete placement.
  10. Establish location and plumbness of column forms, and monitor column plumbness during concrete placement.
  11. Establish pier cap and crossbeam top and bottom elevations and centerline of bearing.
  12. Check pier cap and crossbeam top and bottom elevations and centerline of bearing prior to and during concrete placement.
  13. Establish grout pad locations and elevations.
  14. Establish structure bearing locations and elevations, including locations of anchor bolt assemblies.
  15. Establish box girder bottom slab grades and locations.
  16. Establish girder and/or web wall profiles and locations.
  17. Establish diaphragm locations and centerline of bearing.
  18. Establish roadway slab alignment, grades and provide dimensions from top of girder to top of roadway slab. Set elevations for deck paving machine rails.
  19. Establish traffic barrier and curb profile.
  20. Profile all girders prior to the placement of any deadload or construction live load that may affect the girder's profile.

33 The Contractor shall provide the Contracting Agency copies of any calculations and  
34 staking data when requested by the Engineer.

36 To facilitate the establishment of these lines and elevations, the Contracting Agency will  
37 provide the Contractor with the following primary survey and control information:

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1. Descriptions of two primary control points used for the horizontal and vertical control. Primary control points will be described by reference to the project alignment and the coordinate system and elevation datum utilized by the project. In addition, the Contracting Agency will supply horizontal coordinates for the beginning and ending points and for each Point of Intersection (PI) on each alignment included in the project.
  2. Horizontal coordinates for the centerline of each bridge pier.
  3. Computed elevations at top of bridge roadway decks at one-tenth points along centerline of each girder web. All form grades and other working grades shall be calculated by the Contractor.

The Contractor shall give the Contracting Agency three weeks notification to allow adequate time to provide the data outlined in Items 2 and 3 above. The Contractor shall ensure a surveying accuracy within the following tolerances:

	<u>Vertical</u>	<u>Horizontal</u>
1. Stationing on structures		±0.02 feet
2. Alignment on structures		±0.02 feet
3. Superstructure elevations	±0.01 feet variation from plan elevation	
4. Substructure	±0.02 feet variation from Plan grades.	

The Contracting Agency may spot-check the Contractor's surveying. These spot-checks will not change the requirements for normal checking by the Contractor.

When staking the following items, the Contractor shall perform independent checks from different secondary control to ensure that the points staked for these items are within the specified survey accuracy tolerances:

Piles  
Shafts  
Footings  
Columns

The Contractor shall calculate coordinates for the points associated with piles, shafts, footings and columns. The Contracting Agency will verify these coordinates prior to issuing approval to the Contractor for commencing with the survey work. The Contracting Agency will require up to seven calendar days from the date the data is received to issuing approval.

Contract work to be performed using contractor-provided stakes shall not begin until the stakes are approved by the Contracting Agency. Such approval shall not relieve the Contractor of responsibility for the accuracy of the stakes.

### ***Payment***

Payment will be made for the following bid item when included in the proposal:

"Structure Surveying", lump sum.

The lump sum contract price for "Structure Surveying" shall be full pay for all labor, equipment, materials, and supervision utilized to perform the Work specified, including any resurveying, checking, correction of errors, replacement of missing or damaged stakes, and coordination efforts.

***(August 7, 2017)***

### ***Contractor Surveying - Roadway***

Copies of the Contracting Agency provided primary survey control data are available for the bidder's inspection at the office of the Engineer.

1 The Contractor shall be responsible for setting, maintaining, and resetting all alignment  
2 stakes, slope stakes, and grades necessary for the construction of the roadbed, drainage,  
3 surfacing, paving, channelization and pavement marking, illumination and signals,  
4 guardrails and barriers, and signing. Except for the survey control data to be furnished  
5 by the Contracting Agency, calculations, surveying, and measuring required for setting  
6 and maintaining the necessary lines and grades shall be the Contractor's responsibility.  
7

8 The Contractor shall inform the Engineer when monuments are discovered that were not  
9 identified in the Plans and construction activity may disturb or damage the monuments.  
10 All monuments noted on the plans "DO NOT DISTURB" shall be protected throughout the  
11 length of the project or be replaced at the Contractors expense.  
12

13 Detailed survey records shall be maintained, including a description of the work  
14 performed on each shift, the methods utilized, and the control points used. The record  
15 shall be adequate to allow the survey to be reproduced. A copy of each day's record shall  
16 be provided to the Engineer within three working days after the end of the shift.  
17

18 The meaning of words and terms used in this provision shall be as listed in "Definitions of  
19 Surveying and Associated Terms" current edition, published by the American Congress  
20 on Surveying and Mapping and the American Society of Civil Engineers.  
21

22 The survey work shall include but not be limited to the following:  
23

- 24 1. Verify the primary horizontal and vertical control furnished by the Contracting  
25 Agency, and expand into secondary control by adding stakes and hubs as well  
26 as additional survey control needed for the project. Provide descriptions of  
27 secondary control to the Contracting Agency. The description shall include  
28 coordinates and elevations of all secondary control points.  
29
- 30 2. Establish, the centerlines of all alignments, by placing hubs, stakes, or marks on  
31 centerline or on offsets to centerline at all curve points (PCs, PTs, and Pls) and  
32 at points on the alignments spaced no further than 50 feet.  
33
- 34 3. Establish clearing limits, placing stakes at all angle points and at intermediate  
35 points not more than 50 feet apart. The clearing and grubbing limits shall be 5  
36 feet beyond the toe of a fill and 10 feet beyond the top of a cut unless otherwise  
37 shown in the Plans.  
38
- 39 4. Establish grading limits, placing slope stakes at centerline increments not more  
40 than 50 feet apart. Establish offset reference to all slope stakes. If Global  
41 Positioning Satellite (GPS) Machine Controls are used to provide grade control,  
42 then slope stakes may be omitted at the discretion of the Contractor  
43
- 44 5. Establish the horizontal and vertical location of all drainage features, placing  
45 offset stakes to all drainage structures and to pipes at a horizontal interval not  
46 greater than 25 feet.  
47
- 48 6. Establish roadbed and surfacing elevations by placing stakes at the top of  
49 subgrade and at the top of each course of surfacing. Subgrade and surfacing  
50 stakes shall be set at horizontal intervals not greater than 50 feet in tangent  
51 sections, 25 feet in curve sections with a radius less than 300 feet, and at 10-  
52 foot intervals in intersection radii with a radius less than 10 feet. Transversely,

- 1 stakes shall be placed at all locations where the roadway slope changes and at
- 2 additional points such that the transverse spacing of stakes is not more than 12
- 3 feet. If GPS Machine Controls are used to provide grade control, then roadbed
- 4 and surfacing stakes may be omitted at the discretion of the Contractor.
- 5
- 6 7. Establish intermediate elevation benchmarks as needed to check work
- 7 throughout the project.
- 8
- 9 8. Provide references for paving pins at 25-foot intervals or provide simultaneous
- 10 surveying to establish location and elevation of paving pins as they are being
- 11 placed.
- 12
- 13 9. For all other types of construction included in this provision, (including but not
- 14 limited to channelization and pavement marking, illumination and signals,
- 15 guardrails and barriers, and signing) provide staking and layout as necessary to
- 16 adequately locate, construct, and check the specific construction activity.
- 17
- 18 10. Contractor shall determine if changes are needed to the profiles or roadway
- 19 sections shown in the Contract Plans in order to achieve proper smoothness
- 20 and drainage where matching into existing features, such as a smooth transition
- 21 from new pavement to existing pavement. The Contractor shall submit these
- 22 changes to the Engineer for review and approval 10 days prior to the beginning
- 23 of work.
- 24

25 The Contractor shall provide the Contracting Agency copies of any calculations and

26 staking data when requested by the Engineer.

27

28 To facilitate the establishment of these lines and elevations, the Contracting Agency will

29 provide the Contractor with primary survey control information consisting of descriptions

30 of two primary control points used for the horizontal and vertical control, and descriptions

31 of two additional primary control points for every additional three miles of project length.

32 Primary control points will be described by reference to the project alignment and the

33 coordinate system and elevation datum utilized by the project. In addition, the Contracting

34 Agency will supply horizontal coordinates for the beginning and ending points and for

35 each Point of Intersection (PI) on each alignment included in the project.

36

37 The Contractor shall ensure a surveying accuracy within the following tolerances:

38

	<u>Vertical</u>	<u>Horizontal</u>
39 Slope stakes	±0.10 feet	±0.10 feet
40 Subgrade grade stakes set		
41 0.04 feet below grade	±0.01 feet	±0.5 feet
42		(parallel to alignment)
43		±0.1 feet
44		(normal to alignment)
45		
46		

1	Stationing on roadway	N/A	±0.1 feet
2	Alignment on roadway	N/A	±0.04 feet
3	Surfacing grade stakes	±0.01 feet	±0.5 feet
4			(parallel to alignment)
5			±0.1 feet
6			(normal to alignment)
7			
8	Roadway paving pins for		
9	surfacing or paving	±0.01 feet	±0.2 feet
10			(parallel to alignment)
11			±0.1 feet
12			(normal to alignment)

13  
14 The Contracting Agency may spot-check the Contractor's surveying. These spot-checks  
15 will not change the requirements for normal checking by the Contractor.

16  
17 When staking roadway alignment and stationing, the Contractor shall perform  
18 independent checks from different secondary control to ensure that the points staked are  
19 within the specified survey accuracy tolerances.

20  
21 The Contractor shall calculate coordinates for the alignment. The Contracting Agency will  
22 verify these coordinates prior to issuing approval to the Contractor for commencing with  
23 the work. The Contracting Agency will require up to seven calendar days from the date  
24 the data is received.

25  
26 Contract work to be performed using contractor-provided stakes shall not begin until the  
27 stakes are approved by the Contracting Agency. Such approval shall not relieve the  
28 Contractor of responsibility for the accuracy of the stakes.

29  
30 Stakes shall be marked in accordance with Standard Plan A10.10. When stakes are  
31 needed that are not described in the Plans, then those stakes shall be marked, at no  
32 additional cost to the Contracting Agency as ordered by the Engineer.

### 33 34 **Payment**

35 Payment will be made for the following bid item when included in the proposal:

36  
37 "Roadway Surveying", lump sum.

38  
39 The lump sum contract price for "Roadway Surveying" shall be full pay for all labor,  
40 equipment, materials, and supervision utilized to perform the Work specified, including  
41 any resurveying, checking, correction of errors, replacement of missing or damaged  
42 stakes, and coordination efforts.

### 43 44 **1-05.11 Final Inspection**

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

### 47 48 **1-05.11 Final Inspections and Operational Testing** 49 *(October 1, 2005 APWA GSP)*

### 50 51 **1-05.11(1) Substantial Completion Date**

52

1 When the Contractor considers the work to be substantially complete, the Contractor  
2 shall so notify the Engineer and request the Engineer establish the Substantial  
3 Completion Date. The Contractor's request shall list the specific items of work that  
4 remain to be completed in order to reach physical completion. The Engineer will  
5 schedule an inspection of the work with the Contractor to determine the status of  
6 completion. The Engineer may also establish the Substantial Completion Date  
7 unilaterally.

8  
9 If, after this inspection, the Engineer concurs with the Contractor that the work is  
10 substantially complete and ready for its intended use, the Engineer, by written notice to  
11 the Contractor, will set the Substantial Completion Date. If, after this inspection the  
12 Engineer does not consider the work substantially complete and ready for its intended  
13 use, the Engineer will, by written notice, so notify the Contractor giving the reasons  
14 therefor.

15  
16 Upon receipt of written notice concurring in or denying substantial completion, whichever  
17 is applicable, the Contractor shall pursue vigorously, diligently and without unauthorized  
18 interruption, the work necessary to reach Substantial and Physical Completion. The  
19 Contractor shall provide the Engineer with a revised schedule indicating when the  
20 Contractor expects to reach substantial and physical completion of the work.

21  
22 The above process shall be repeated until the Engineer establishes the Substantial  
23 Completion Date and the Contractor considers the work physically complete and ready for  
24 final inspection.

#### 25 26 **1-05.11(2) Final Inspection and Physical Completion Date**

27  
28 When the Contractor considers the work physically complete and ready for final  
29 inspection, the Contractor by written notice, shall request the Engineer to schedule a  
30 final inspection. The Engineer will set a date for final inspection. The Engineer and the  
31 Contractor will then make a final inspection and the Engineer will notify the Contractor in  
32 writing of all particulars in which the final inspection reveals the work incomplete or  
33 unacceptable. The Contractor shall immediately take such corrective measures as are  
34 necessary to remedy the listed deficiencies. Corrective work shall be pursued vigorously,  
35 diligently, and without interruption until physical completion of the listed deficiencies. This  
36 process will continue until the Engineer is satisfied the listed deficiencies have been  
37 corrected.

38  
39 If action to correct the listed deficiencies is not initiated within 7 days after receipt of the  
40 written notice listing the deficiencies, the Engineer may, upon written notice to the  
41 Contractor, take whatever steps are necessary to correct those deficiencies pursuant to  
42 Section 1-05.7.

43 The Contractor will not be allowed an extension of contract time because of a delay in  
44 the performance of the work attributable to the exercise of the Engineer's right  
45 hereunder.

46  
47 Upon correction of all deficiencies, the Engineer will notify the Contractor and the  
48 Contracting Agency, in writing, of the date upon which the work was considered physically  
49 complete. That date shall constitute the Physical Completion Date of the contract, but shall  
50 not imply acceptance of the work or that all the obligations of the Contractor under the  
51 contract have been fulfilled.

1 **1-05.11(3) Operational Testing**

2  
3 It is the intent of the Contracting Agency to have at the Physical Completion Date a  
4 complete and operable system. Therefore when the work involves the installation of  
5 machinery or other mechanical equipment; street lighting, electrical distribution or signal  
6 systems; irrigation systems; buildings; or other similar work it may be desirable for the  
7 Engineer to have the Contractor operate and test the work for a period of time after final  
8 inspection but prior to the physical completion date. Whenever items of work are listed in  
9 the Contract Provisions for operational testing they shall be fully tested under operating  
10 conditions for the time period specified to ensure their acceptability prior to the Physical  
11 Completion Date. During and following the test period, the Contractor shall correct any  
12 items of workmanship, materials, or equipment which prove faulty, or that are not in first  
13 class operating condition. Equipment, electrical controls, meters, or other devices and  
14 equipment to be tested during this period shall be tested under the observation of the  
15 Engineer, so that the Engineer may determine their suitability for the purpose for which  
16 they were installed. The Physical Completion Date cannot be established until testing  
17 and corrections have been completed to the satisfaction of the Engineer.

18  
19 The costs for power, gas, labor, material, supplies, and everything else needed to  
20 successfully complete operational testing, shall be included in the unit contract prices  
21 related to the system being tested, unless specifically set forth otherwise in the proposal.

22  
23 Operational and test periods, when required by the Engineer, shall not affect a  
24 manufacturer's guaranties or warranties furnished under the terms of the contract.

25  
26  
27  
28 **1-05.13 Superintendents, Labor and Equipment of Contractor**  
29 *(August 14, 2013 APWA GSP)*

30  
31 Delete the sixth and seventh paragraphs of this section.

32  
33 **1-05.15 Method of Serving Notices**  
34 *(March 25, 2009 APWA GSP)*

35 Revise the second paragraph to read:

36  
37 All correspondence from the Contractor shall be directed to the Project Engineer. All  
38 correspondence from the Contractor constituting any notification, notice of protest, notice  
39 of dispute, or other correspondence constituting notification required to be furnished  
40 under the Contract, must be in paper format, hand delivered or sent via mail delivery  
41 service to the Project Engineer's office. Electronic copies such as e-mails or  
42 electronically delivered copies of correspondence will not constitute such notice and will  
43 not comply with the requirements of the Contract.  
44

45 Add the following new section:

46  
47 **1-05.16 Water and Power**  
48 *(October 1, 2005 APWA GSP)*  
49



1 The Contractor shall make necessary arrangements, and shall bear the costs for power  
2 and water necessary for the performance of the work, unless the contract includes power  
3 and water as a pay item.  
4

5  
6 **1-06.6 Recycled Materials**  
7 *(January 4, 2016 APWA GSP)*  
8

9 Delete this section, including its subsections, and replace it with the following:

10  
11 The Contractor shall make their best effort to utilize recycled materials in the construction  
12 of the project. Approval of such material use shall be as detailed elsewhere in the  
13 Standard Specifications.  
14

15 Prior to Physical Completion the Contractor shall report the quantity of recycled materials  
16 that were utilized in the construction of the project for each of the items listed in Section  
17 9-03.21. The report shall include hot mix asphalt, recycled concrete aggregate, recycled  
18 glass, steel furnace slag and other recycled materials (e.g. utilization of on-site material  
19 and aggregates from concrete returned to the supplier). The Contractor's report shall be  
20 provided on DOT form 350-075 Recycled Materials Reporting.  
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 apply  
49 continuously, and not be limited to normal working hours. The required or implied duty of  
50 the Engineer to conduct construction review of the Contractor's performance does not,  
51 and shall not, be intended to include review and adequacy of the Contractor's safety  
52 measures in, on, or near the project site.

1  
2  
3 **1-07.2 State Taxes**  
4

5 Delete this section, including its sub-sections, in its entirety and replace it with the following:  
6

7 **1-07.2 State Sales Tax**

8 *(June 27, 2011 APWA GSP)*  
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(3) 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(2) describes this exception.  
19

20 The Contracting Agency will pay the retained percentage (or release the Contract Bond if  
21 a FHWA-funded Project) only if the Contractor has obtained from the Washington State  
22 Department of Revenue a certificate showing that all contract-related taxes have been  
23 paid (RCW 60.28.051). The Contracting Agency may deduct from its payments to the  
24 Contractor any amount the Contractor may owe the Washington State Department of  
25 Revenue, whether the amount owed relates to this contract or not. Any amount so  
26 deducted will be paid into the proper State fund.  
27

28 **1-07.2(1) State Sales Tax — Rule 171**  
29

30 WAC 458-20-171, and its related rules, apply to building, repairing, or improving streets,  
31 roads, etc., which are owned by a municipal corporation, or political subdivision of the  
32 state, or by the United States, and which are used primarily for foot or vehicular traffic.  
33 This includes storm or combined sewer systems within and included as a part of the  
34 street or road drainage system and power lines when such are part of the roadway  
35 lighting system. For work performed in such cases, the Contractor shall include  
36 Washington State Retail Sales Taxes in the various unit bid item prices, or other contract  
37 amounts, including those that the Contractor pays on the purchase of the materials,  
38 equipment, or supplies used or consumed in doing the work.  
39

40 **1-07.2(2) State Sales Tax — Rule 170**  
41

42 WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or  
43 existing buildings, or other structures, upon real property. This includes, but is not  
44 limited to, the construction of streets, roads, highways, etc., owned by the state of  
45 Washington; water mains and their appurtenances; sanitary sewers and sewage  
46 disposal systems unless such sewers and disposal systems are within, and a part of, a  
47 street or road drainage system; telephone, telegraph, electrical power distribution lines,  
48 or other conduits or lines in or above streets or roads, unless such power lines become a  
49 part of a street or road lighting system; and installing or attaching of any article of  
50 tangible personal property in or to real property, whether or not such personal property  
51 becomes a part of the realty by virtue of installation.  
52

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

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

### **1-07.2(3) Services**

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

## **Sanitation**

### **1-07.4(1) General**

*(July 14, 2016 SkagitR)*

Section 1-07.4(1) is supplemented with the following:

The Contractor shall provide employees with portable sanitary stations on site. These portable sanitary stations shall comply with all State Department of Health or other agency requirements; shall be kept clean, neat and sanitized; and shall not create any public nuisance.

### ***Health Hazards***

Section 1-07.4(2) is supplemented with the following:

**(May 13, 2020)**

#### **COVID-19 Health and Safety Plan (CHSP)**

The Contractor shall prepare a project specific COVID-19 health and safety plan (CHSP). The CHSP shall be prepared and submitted as a Type 2 Working Drawing prior to beginning physical Work. The CHSP shall be based on the most current State and Federal requirements. If the State or Federal requirements are revised, the CHSP shall be updated as necessary to conform to the current requirements.

The Contractor shall update and resubmit the CHSP as the work progresses and new activities appear on the look ahead schedule required under Section 1-08.3(2)D. If the conditions change on the project, or a particular activity, the Contractor shall update and resubmit the CHSP. Work on any activity shall cease if conditions prevent full compliance with the CHSP.

The CHSP shall address the health and safety of all people associated with the project including State workers in the field, Contractor personnel, consultants, project staff, subcontractors, suppliers and anyone on the project site, staging areas, or yards.

1                   **COVID-19 Health and Safety Plan (CHSP) Inspection**

2                   The Contractor shall grant full and unrestricted access to the Engineer for CHSP  
3                   Inspections. The Engineer (or designee) will conduct periodic compliance  
4                   inspections on the project site, staging areas, or yards to verify that any ongoing work  
5                   activity is following the CHSP plan. If the Engineer becomes aware of a  
6                   noncompliance incident either through a site inspection or other means, the  
7                   Contractor will be notified immediately (within 1 hour). The Contractor shall  
8                   immediately remedy the noncompliance incident or suspend all or part of the  
9                   associated work activity. The Contractor shall satisfy the Engineer that the  
10                  noncompliance incident has been corrected before the suspension will end.

11  
12                  **Environmental Regulations**

13  
14                  Section 1-07.5 is supplemented with the following:

15  
16                   ***State Department of Fish And Wildlife***

17  
18                  Section 1-07.5(2) is supplemented with the following:

19  
20                   (April 2, 2018)

21                  The following Provisions summarize the requirements, in addition to those required  
22                  elsewhere in the Contract, imposed upon the Contracting Agency by the Washington  
23                  State Department of Fish and Wildlife. Throughout the work, the Contractor shall  
24                  comply with the following requirements:

25  
26                   (April 2, 2018)

27                  The Contractor may begin Work below the Ordinary High Water Line on \*\*\* July 1,  
28                  2020 \*\*\* and must complete all the Work by \*\*\* September 30, 2020 \*\*\*.

29  
30                   (April 2, 2018)

31                  All costs to comply with this special provision are incidental to the Contract and are  
32                  the responsibility of the Contractor. The Contractor shall include all related costs in  
33                  the associated bid prices of the Contract.

34  
35                   ***U.S. Army Corps of Engineers***

36  
37                  Section 1-07.5(5) is supplemented with the following:

38  
39                   (April 2, 2018)

40                  The following Provisions summarize the requirements, in addition to those required  
41                  elsewhere in the Contract, imposed upon the Contracting Agency by the U.S. Army  
42                  Corps of Engineers. Throughout the work, the Contractor shall comply with the  
43                  following requirements:

44  
45                   (Febuary 25, 2013)

46                  Temporary structures and dewatering of areas under the jurisdiction of the U.S.  
47                  Army Corps of Engineers must maintain normal downstream flows and prevent  
48                  upstream and downstream flooding to the maximum extent practicable.

49  
50                   (April 2, 2018)

All costs to comply with this special provision are incidental to the Contract and are the responsibility of the Contractor. The Contractor shall include all related costs in the associated bid prices of the Contract.

## **Permits and Licenses**

Section 1-07.6 is supplemented with the following:

(January 2, 2018)

The Contracting Agency has obtained the below-listed permit(s) for this project. A copy of the permit(s) is attached as an appendix for informational purposes. Copies of these permits, including a copy of the Transfer of Coverage form, when applicable, are required to be onsite at all times.

Contact with the permitting agencies, concerning the below-listed permit(s), shall be made through the Engineer with the exception of when the Construction Stormwater General Permit coverage is transferred to the Contractor, direct communication with the Department of Ecology is allowed. The Contractor shall be responsible for obtaining Ecology's approval for any Work requiring additional approvals (e.g. Request for Chemical Treatment Form). The Contractor shall obtain additional permits as necessary. All costs to obtain and comply with additional permits shall be included in the applicable Bid items for the Work involved.

- Washington State Department of Fish and Wildlife, Hydraulic Project Approval #2020-4-326+01
- United States Army Corps of Engineers Permit # NWS-2019-673

## **1-07.9 Wages**

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

#### ***Required Documents***

Section 1-07.9(5) is revised to read:

**(January 6, 2020)**

#### **General**

All "Statements of Intent to Pay Prevailing Wages", "Affidavits of Wages Paid" and Certified Payrolls, including a signed Statement of Compliance for Federal-aid projects, shall be submitted to the Engineer using the State L&I online Prevailing Wage Intent & Affidavit (PWIA) system.

#### **Intents and Affidavits**

On forms provided by the Industrial Statistician of State L&I, the Contractor shall submit to the Engineer the following for themselves and for each firm covered under RCW 39.12 that will or has provided Work and materials for the Contract:

1. The approved "Statement of Intent to Pay Prevailing Wages" State L&I's form number F700-029-000. The Contracting Agency will make no payment under this Contract until this statement has been approved by State L&I and reviewed by the Engineer.

1                   2. The approved "Affidavit of Prevailing Wages Paid", State L&I's form number  
2                   F700-007-000. The Contracting Agency will not grant Completion until all  
3                   approved Affidavit of Wages paid for the Contractor and all Subcontractors  
4                   have been received by the Engineer. The Contracting Agency will not  
5                   release to the Contractor any funds retained under RCW 60.28.011 until  
6                   "Affidavit of Prevailing Wages Paid" forms have been approved by State L&I  
7                   and all of the approved forms have been submitted to the Engineer for every  
8                   firm that worked on the Contract.  
9

10                  The Contractor is responsible for requesting these forms from State L&I and for  
11                  paying any fees required by State L&I.  
12

13                  **Certified Payrolls**

14                  Certified payrolls are required to be submitted by the Contractor for themselves, all  
15                  Subcontractors and all lower tier subcontractors. The payrolls shall be submitted  
16                  weekly on all Federal-aid projects and no less than monthly on State funded projects.  
17

18                  **Penalties for Noncompliance**

19                  The Contractor is advised, if these payrolls are not supplied within the prescribed  
20                  deadlines, any or all payments may be withheld until compliance is achieved. In  
21                  addition, failure to provide these payrolls may result in other sanctions as provided  
22                  by State laws (RCW 39.12.050) and/or Federal regulations (29 CFR 5.12).  
23

24                  **Contractor's Responsibility for Work**

25                  ***Repair of Damage***

26                  Section 1-07.13(4) is revised to read:  
27

28                  (August 6, 2001)

29                  The Contractor shall promptly repair all damage to either temporary or permanent  
30                  work as directed by the Engineer. For damage qualifying for relief under Sections 1-  
31                  07.13(1), 1-07.13(2) or 1-07.13(3), payment will be made in accordance with Section  
32                  1-04.4. Payment will be limited to repair of damaged work only. No payment will be  
33                  made for delay or disruption of work.  
34  
35  
36

37                  **Utilities and Similar Facilities**

38                  (April 2, 2007)

39                  Locations and dimensions shown in the Plans for existing facilities are in accordance with  
40                  available information obtained without uncovering, measuring, or other verification.  
41  
42

43                  The following addresses and telephone numbers of utility companies known or suspected  
44                  of having facilities within the project limits are supplied for the Contractor's convenience:  
45

46                  \*\*\*

47                  ZiPLY Fiber

48                  Contact: Bret Murdock

49                  595 Pease Road Burlington, WA 98233

50                  Office: (360) 707-0641

51                  [bret.murdock@ziply.com](mailto:bret.murdock@ziply.com)

52                  Colony Mountain Community Club

1 Contact: Scott Jackson  
2 PO Box 91, Bow, WA. 98232  
3 Project Manager: (360) 526-1658  
4 [info@colonymtcc.org](mailto:info@colonymtcc.org)  
5  
6 Puget Sound Energy  
7 Contact: Jane Major  
8 1660 Park Lane, Burlington, WA 98233  
9 (360) 766-5571  
10 [jane.major@pse.com](mailto:jane.major@pse.com)  
11  
12 Comcast  
13 Contact: Bill Inama  
14 400 Sequoia Drive, Bellingham, WA 98226  
15 (360) 527-8243  
16 [Binama@cable.comcast.com](mailto:Binama@cable.comcast.com)  
17  
18 Wave Broadband  
19 Contact: Len Scott  
20 511 Morris Street, La Conner, WA 98257  
21 (360) 306-4840  
22 [slen@wavebroadband.com](mailto:slen@wavebroadband.com)  
23  
24  
25 Utility Location Center (One Call Center) (800) 424-5555 \*\*\*  
26  
27

28 Section 1-07.17 is supplemented with the following:  
29

30 (April 2, 2007)  
31 Locations and dimensions shown in the Plans for existing facilities are in accordance with  
32 available information obtained without uncovering, measuring, or other verification.  
33

34 Public and private utilities, or their Contractors, will furnish all work necessary to adjust,  
35 relocate, replace, or construct their facilities unless otherwise provided for in the Plans or  
36 these Special Provisions. Such adjustment, relocation, replacement, or construction will  
37 be done during the prosecution of the work for this project. It is anticipated that utility  
38 adjustment, relocation, replacement or construction within the project limits will be  
39 completed as follows:  
40

41 The Colony Mountain Community Club water line runs through the project in the west  
42 shoulder of Colony Mountain Drive. During construction of the project, the Contractor  
43 shall coordinate the temporary relocation of the waterline with the Community Club.  
44 Installation, maintenance, and removal of the temporary by-pass will be by the  
45 Community Club and/or their contractor.  
46

47 The Contractor shall attend a mandatory utility preconstruction meeting with the Engineer,  
48 all affected Subcontractors, and all utility owners and their Contractors prior to beginning  
49 onsite work.  
50

The following addresses and telephone numbers of utility companies or their Contractors that will be adjusting, relocating, replacing or constructing utilities within the project limits are supplied for the Contractor's use:

Colony Mountain Community Club

Contact: Scott Jackson

[info@colonymtcc.org](mailto:info@colonymtcc.org)

PO Box 91, Bow, WA. 98232

Project Manager: (360) 526-1658

## **Public Liability and Property Damage Insurance**

### **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**

*(January 4, 2016 APWA GSP)*

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

- A. The Contractor shall procure and maintain the insurance described in all subsections of section 1-07.18 of these Special Provisions, from insurers with a current A. M. Best rating of not less than A-: VII and licensed to do business in the State of Washington. The Contracting Agency reserves the right to approve or reject the insurance provided, based on the insurer's financial condition.
- B. The Contractor shall keep this insurance in force without interruption from the commencement of the Contractor's Work through the term of the Contract and for thirty (30) days after the Physical Completion date, unless otherwise indicated below.
- C. If any insurance policy is written on a claims made form, its retroactive date, and that of all subsequent renewals, shall be no later than the effective date of this Contract. The policy shall state that coverage is claims made, and state the retroactive date. Claims-made form coverage shall be maintained by the Contractor for a minimum of 36 months following the Completion Date or earlier termination of this Contract, and the Contractor shall annually provide the Contracting Agency with proof of renewal. If renewal of the claims made form of coverage becomes unavailable, or economically prohibitive, the Contractor shall purchase an extended reporting period ("tail") or execute another form of guarantee acceptable to the Contracting Agency to assure financial responsibility for liability for services performed.
- D. The Contractor's Automobile Liability, Commercial General Liability and Excess or Umbrella Liability insurance policies shall be primary and non-contributory insurance as respects the Contracting Agency's insurance, self-insurance, or self-insured pool coverage. Any insurance, self-insurance, or self-insured pool coverage maintained by the Contracting Agency shall be excess of the Contractor's insurance and shall not contribute with it.
- E. The Contractor shall provide the Contracting Agency and all additional insureds with written notice of any policy cancellation, within two business days of their receipt of such notice.



- 1 F. The Contractor shall not begin work under the Contract until the required insurance has  
2 been obtained and approved by the Contracting Agency  
3  
4 G. Failure on the part of the Contractor to maintain the insurance as required shall  
5 constitute a material breach of contract, upon which the Contracting Agency may, after  
6 giving five business days' notice to the Contractor to correct the breach, immediately  
7 terminate the Contract or, at its discretion, procure or renew such insurance and pay any  
8 and all premiums in connection therewith, with any sums so expended to be repaid to the  
9 Contracting Agency on demand, or at the sole discretion of the Contracting Agency,  
10 offset against funds due the Contractor from the Contracting Agency.  
11  
12 H. All costs for insurance shall be incidental to and included in the unit or lump sum prices  
13 of the Contract and no additional payment will be made.  
14

15 **1-07.18(2) Additional Insured**

16 All insurance policies, with the exception of Workers Compensation, and of Professional  
17 Liability and Builder's Risk (if required by this Contract) shall name the following listed  
18 entities as additional insured(s) using the forms or endorsements required herein:

- 19     ▪ the Contracting Agency and its officers, elected officials, employees, agents, and  
20     volunteers  
21

22 The above-listed entities shall be additional insured(s) for the full available limits of liability  
23 maintained by the Contractor, irrespective of whether such limits maintained by the  
24 Contractor are greater than those required by this Contract, and irrespective of whether the  
25 Certificate of Insurance provided by the Contractor pursuant to 1-07.18(4) describes limits  
26 lower than those maintained by the Contractor.  
27

28 For Commercial General Liability insurance coverage, the required additional insured  
29 endorsements shall be at least as broad as ISO forms CG 20 10 10 01 for ongoing  
30 operations and CG 20 37 10 01 for completed operations.  
31

32 **1-07.18(3) Subcontractors**

33 The Contractor shall cause each Subcontractor of every tier to provide insurance coverage  
34 that complies with all applicable requirements of the Contractor-provided insurance as set  
35 forth herein, except the Contractor shall have sole responsibility for determining the limits of  
36 coverage required to be obtained by Subcontractors.  
37

38 The Contractor shall ensure that all Subcontractors of every tier add all entities listed in  
39 1-07.18(2) as additional insureds, and provide proof of such on the policies as required by  
40 that section as detailed in 1-07.18(2) using an endorsement as least as broad as ISO CG 20  
41 10 10 01 for ongoing operations and CG 20 37 10 01 for completed operations.  
42

43 Upon request by the Contracting Agency, the Contractor shall forward to the Contracting  
44 Agency evidence of insurance and copies of the additional insured endorsements of each  
45 Subcontractor of every tier as required in 1-07.18(4) Verification of Coverage.  
46

47 **1-07.18(4) Verification of Coverage**

48 The Contractor shall deliver to the Contracting Agency a Certificate(s) of Insurance and  
49 endorsements for each policy of insurance meeting the requirements set forth herein when  
50 the Contractor delivers the signed Contract for the work. Failure of Contracting Agency to  
51 demand such verification of coverage with these insurance requirements or failure of

- 1 Contracting Agency to identify a deficiency from the insurance documentation provided shall  
2 not be construed as a waiver of Contractor's obligation to maintain such insurance.  
3
- 4 Verification of coverage shall include:
- 5 1. An ACORD certificate or a form determined by the Contracting Agency to be equivalent.
  - 6 2. Copies of all endorsements naming Contracting Agency and all other entities listed in  
7 1-07.18(2) as additional insured(s), showing the policy number. The Contractor may  
8 submit a copy of any blanket additional insured clause from its policies instead of a  
9 separate endorsement.
  - 10 3. Any other amendatory endorsements to show the coverage required herein.
  - 11 4. A notation of coverage enhancements on the Certificate of Insurance shall not satisfy  
12 these requirements – actual endorsements must be submitted.  
13
- 14 Upon request by the Contracting Agency, the Contractor shall forward to the Contracting  
15 Agency a full and certified copy of the insurance policy(s). If Builders Risk insurance is  
16 required on this Project, a full and certified copy of that policy is required when the  
17 Contractor delivers the signed Contract for the work.  
18
- 19 **1-07.18(5) Coverages and Limits**
- 20 The insurance shall provide the minimum coverages and limits set forth below. Contractor's  
21 maintenance of insurance, its scope of coverage, and limits as required herein shall not be  
22 construed to limit the liability of the Contractor to the coverage provided by such insurance,  
23 or otherwise limit the Contracting Agency's recourse to any remedy available at law or in  
24 equity.  
25
- 26 All deductibles and self-insured retentions must be disclosed and are subject to approval by  
27 the Contracting Agency. The cost of any claim payments falling within the deductible or self-  
28 insured retention shall be the responsibility of the Contractor. In the event an additional  
29 insured incurs a liability subject to any policy's deductibles or self-insured retention, said  
30 deductibles or self-insured retention shall be the responsibility of the Contractor.  
31
- 32 **1-07.18(5)A Commercial General Liability**
- 33 Commercial General Liability insurance shall be written on coverage forms at least as broad  
34 as ISO occurrence form CG 00 01, including but not limited to liability arising from premises,  
35 operations, stop gap liability, independent contractors, products-completed operations,  
36 personal and advertising injury, and liability assumed under an insured contract. There shall  
37 be no exclusion for liability arising from explosion, collapse or underground property  
38 damage.  
39
- 40 The Commercial General Liability insurance shall be endorsed to provide a per project  
41 general aggregate limit, using ISO form CG 25 03 05 09 or an equivalent endorsement.  
42
- 43 Contractor shall maintain Commercial General Liability Insurance arising out of the  
44 Contractor's completed operations for at least three years following Substantial Completion  
45 of the Work.  
46
- 47 Such policy must provide the following minimum limits:
- |    |             |   |
|----|-------------|---|
| 48 | \$1,000,000 | Each Occurrence                           |
| 49 | \$2,000,000 | General Aggregate                         |
| 50 | \$2,000,000 | Products & Completed Operations Aggregate |

1           \$1,000,000       Personal & Advertising Injury each offence  
2           \$1,000,000       Stop Gap / Employers' Liability each accident  
3

4       **1-07.18(5)B Automobile Liability**

5       Automobile Liability shall cover owned, non-owned, hired, and leased vehicles; and shall be  
6       written on a coverage form at least as broad as ISO form CA 00 01. If the work involves the  
7       transport of pollutants, the automobile liability policy shall include MCS 90 and CA 99 48  
8       endorsements.  
9

10      Such policy must provide the following minimum limit:

11           \$1,000,000       Combined single limit each accident  
12

13      **1-07.18(5)C Workers' Compensation**

14      The Contractor shall comply with Workers' Compensation coverage as required by the  
15      Industrial Insurance laws of the State of Washington.  
16

17      **Public Convenience and Safety**  
18

19           ***Construction Under Traffic***  
20

21      Section 1-07.23(1) is supplemented with the following:  
22

23           **(February 3, 2020)**

24           **Work Zone Clear Zone**

25           The Work Zone Clear Zone (WZCZ) applies during working and nonworking  
26           hours. The WZCZ applies only to temporary roadside objects introduced by the  
27           Contractor's operations and does not apply to preexisting conditions or  
28           permanent Work. Those work operations that are actively in progress shall be in  
29           accordance with adopted and approved Traffic Control Plans, and other contract  
30           requirements.  
31

32           During nonworking hours equipment or materials shall not be within the WZCZ  
33           unless they are protected by permanent guardrail or temporary concrete barrier.  
34           The use of temporary concrete barrier shall be permitted only if the Engineer  
35           approves the installation and location.  
36

37           During actual hours of work, unless protected as described above, only  
38           materials absolutely necessary to construction shall be within the WZCZ and  
39           only construction vehicles absolutely necessary to construction shall be allowed  
40           within the WZCZ or allowed to stop or park on the shoulder of the roadway.  
41

42           The Contractor's nonessential vehicles and employees private vehicles shall not  
43           be permitted to park within the WZCZ at any time unless protected as described  
44           above.  
45

46           Deviation from the above requirements shall not occur unless the Contractor  
47           has requested the deviation in writing and the Engineer has provided written  
48           approval.  
49

50           Minimum WZCZ distances are measured from the edge of traveled way and will  
51           be determined as follows:  
52

<b>Regulatory Posted Speed</b>	<b>Distance From Traveled Way (Feet)</b>
35 mph or less	10
40 mph	15
45 to 50 mph	20
55 to 60 mph	30
65 mph or greater	35

## **Minimum Work Zone Clear Zone Distance**

### **1-07.24 Rights of Way**

*(July 23, 2015 APWA GSP)*

Delete this section and replace it with the following:

Street Right of Way lines, limits of easements, and limits of construction permits are indicated in the Plans. The Contractor's construction activities shall be confined within these limits, unless arrangements for use of private property are made.

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

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

Whenever easements or rights of entry have not been acquired prior to advertising, these areas are so noted in the Plans. The Contractor shall not proceed with any portion of the work in areas where right of way, easements or rights of entry have not been acquired until the Engineer certifies to the Contractor that the right of way or easement is available or that the right of entry has been received. If the Contractor is delayed due to acts of omission on the part of the Contracting Agency in obtaining easements, rights of entry or right of way, the Contractor will be entitled to an extension of time. The Contractor agrees that such delay shall not be a breach of contract.

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

The Contractor shall be responsible for providing, without expense or liability to the Contracting Agency, any additional land and access thereto that the Contractor may desire for temporary construction facilities, storage of materials, or other Contractor needs. However, before using any private property, whether adjoining the work or not, the Contractor shall file with the Engineer a written permission of the private property owner, and, upon vacating the premises, a written release from the property owner of each property disturbed or otherwise interfered with by reasons of construction pursued

under this contract. The statement shall be signed by the private property owner, or proper authority acting for the owner of the private property affected, stating that permission has been granted to use the property and all necessary permits have been obtained or, in the case of a release, that the restoration of the property has been satisfactorily accomplished. The statement shall include the parcel number, address, and date of signature. Written releases must be filed with the Engineer before the Completion Date will be established.

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

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

*(October 10, 2008 APWA GSP)*

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

The Contractor shall prepare and submit at the preconstruction conference the following:

1. A breakdown of all lump sum items;
2. A preliminary schedule of working drawing submittals; and
3. A list of material sources for approval if applicable.

Add the following new section:

### **1-08.0(2) Hours of Work**

*(December 8, 2014 APWA GSP)*

Except in the case of emergency or unless otherwise approved by the Engineer, the normal working hours for the Contract shall be any consecutive 8-hour period between 7:00 a.m. and 6:00 p.m. Monday through Friday, exclusive of a lunch break. If the Contractor desires different than the normal working hours stated above, the request must be submitted in writing prior to the preconstruction conference, subject to the provisions below. The working hours for the Contract shall be established at or prior to the preconstruction conference.

All working hours and days are also subject to local permit and ordinance conditions (such as noise ordinances).

If the Contractor wishes to deviate from the established working hours, the Contractor shall submit a written request to the Engineer for consideration. This request shall state what hours are being requested, and why. Requests shall be submitted for review no

1 later than five (5) days prior to the day(s) the Contractor is requesting to change the  
2 hours.

3  
4 If the Contracting Agency approves such a deviation, such approval may be subject to  
5 certain other conditions, which will be detailed in writing. For example:

- 6 1. On non-Federal aid projects, requiring the Contractor to reimburse the Contracting  
7 Agency for the costs in excess of straight-time costs for Contracting Agency  
8 representatives who worked during such times. (The Engineer may require  
9 designated representatives to be present during the work. Representatives who  
10 may be deemed necessary by the Engineer include, but are not limited to: survey  
11 crews; personnel from the Contracting Agency's material testing lab; inspectors;  
12 and other Contracting Agency employees or third party consultants when, in the  
13 opinion of the Engineer, such work necessitates their presence.)
- 14 2. Considering the work performed on Saturdays, Sundays, and holidays as working  
15 days with regard to the contract time.
- 16 3. Considering multiple work shifts as multiple working days with respect to contract  
17 time even though the multiple shifts occur in a single 24-hour period.
- 18 4. If a 4-10 work schedule is requested and approved the non-working day for the  
19 week will be charged as a working day.
- 20 5. If Davis Bacon wage rates apply to this Contract, all requirements must be met and  
21 recorded properly on certified payroll  
22

#### 23 **1-08.1 Subcontracting**

24 *(May 30, 2019 APWA GSP, Option A)*  
25

26 Prior to any subcontractor or lower tier subcontractor beginning work, the Contractor shall  
27 submit to the Engineer a certification (WSDOT Form 420-004) that a written agreement  
28 between the Contractor and the subcontractor or between the subcontractor and any lower  
29 tier subcontractor has been executed. This certification shall also guarantee that these  
30 subcontract agreements include all the documents required by the Special Provision Federal  
31 Agency Inspection.  
32

33 A Subcontractor or lower tier Subcontractor will not be permitted to perform any work under  
34 the contract until the following documents have been completed and submitted to the  
35 Engineer:  
36

- 37 1. Request to Sublet Work (WSDOT Form 421-012), and
- 38 2. Contractor and Subcontractor or Lower Tier Subcontractor Certification for Federal-aid  
39 Projects (WSDOT Form 420-004).  
40

41 The ninth paragraph, beginning with "On all projects, ..." is revised to read:  
42

43 The Contractor shall certify to the actual amount received from the Contracting Agency  
44 and amounts paid to all firms that were used as Subcontractors, lower tier  
45 subcontractors, manufacturers, regular dealers, or service providers on the Contract.  
46 This includes all Disadvantaged, Minority, Small, Veteran or Women's Business  
47 Enterprise firms. This Certification shall be submitted to the Engineer on a monthly basis  
48 each month between Execution of the Contract and Physical Completion of the Contract  
49 using the application available at: <https://wsdot.diversitycompliance.com>. A monthly

1 report shall be submitted for every month between Execution of the Contract and  
2 Physical Completion regardless of whether payments were made or work occurred.  
3

4 **1-08.3(2)A Type A Progress Schedule**  
5 *(March 13, 2012 APWA GSP)*  
6

7 Revise this section to read:  
8

9 The Contractor shall submit 3 copies of a Type A Progress Schedule no later than at the  
10 preconstruction conference, or some other mutually agreed upon submittal time. The  
11 schedule may be a critical path method (CPM) schedule, bar chart, or other standard  
12 schedule format. Regardless of which format used, the schedule shall identify the critical  
13 path. The Engineer will evaluate the Type A Progress Schedule and approve or return the  
14 schedule for corrections within 15 calendar days of receiving the submittal.  
15

16 **1-08.4 Prosecution of Work**  
17

18 Delete this section and replace it with the following:  
19

20 **1-08.4 Notice to Proceed and Prosecution of Work**  
21 *(July 23, 2015 APWA GSP)*  
22

23 Notice to Proceed will be given after the contract has been executed and the contract  
24 bond and evidence of insurance have been approved and filed by the Contracting  
25 Agency. The Contractor shall not commence with the work until the Notice to Proceed  
26 has been given by the Engineer. The Contractor shall commence construction activities  
27 on the project site within ten days of the Notice to Proceed Date, unless otherwise  
28 approved in writing. The Contractor shall diligently pursue the work to the physical  
29 completion date within the time specified in the contract. Voluntary shutdown or slowing  
30 of operations by the Contractor shall not relieve the Contractor of the responsibility to  
31 complete the work within the time(s) specified in the contract.  
32

33 When shown in the Plans, the first order of work shall be the installation of high visibility  
34 fencing to delineate all areas for protection or restoration, as described in the Contract.  
35 Installation of high visibility fencing adjacent to the roadway shall occur after the  
36 placement of all necessary signs and traffic control devices in accordance with 1-10.1(2).  
37 Upon construction of the fencing, the Contractor shall request the Engineer to inspect the  
38 fence. No other work shall be performed on the site until the Contracting Agency has  
39 accepted the installation of high visibility fencing, as described in the Contract.  
40

41 **1-08.5 Time for Completion**  
42

43 Section 1-08.5 is supplemented with the following:  
44

45 (March 13, 1995)

46 This project shall be physically completed within \*\*\* 24 \*\*\* working days.  
47

48 **1-08.5 Time for Completion**  
49 *(November 30, 2018 APWA GSP, Option A)*  
50

51 Revise the third and fourth paragraphs to read:  
52

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

20 Revise the sixth paragraph to read:  
21

22 The Engineer will give the Contractor written notice of the completion date of the contract  
23 after all the Contractor's obligations under the contract have been performed by the  
24 Contractor. The following events must occur before the Completion Date can be  
25 established:

- 26 1. The physical work on the project must be complete; and
  - 27 2. The Contractor must furnish all documentation required by the contract and required  
28 by law, to allow the Contracting Agency to process final acceptance of the contract.  
29 The following documents must be received by the Project Engineer prior to  
30 establishing a completion date:
    - 31 a. Certified Payrolls (per Section 1-07.9(5)).
    - 32 b. Material Acceptance Certification Documents
    - 33 c. Monthly Reports of Amounts Credited as DBE Participation, as required by the  
34 Contract Provisions.
    - 35 d. Final Contract Voucher Certification
    - 36 e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the Contractor  
37 and all Subcontractors
    - 38 f. A copy of the Notice of Termination sent to the Washington State Department of  
39 Ecology (Ecology); the elapse of 30 calendar days from the date of receipt of the  
40 Notice of Termination by Ecology; and no rejection of the Notice of Termination  
41 by Ecology. This requirement will not apply if the Construction Stormwater  
42 General Permit is transferred back to the Contracting Agency in accordance with  
43 Section 8-01.3(16).
    - 44 g. Property owner releases per Section 1-07.24
- 45  
46



- 1 **1-08.9 Liquidated Damages**  
2 *(August 14, 2013 APWA GSP)*  
3  
4 Revise the fourth paragraph to read:  
5  
6 When the Contract Work has progressed to Substantial Completion as defined in the  
7 Contract, the Engineer may determine that the work is Substantially Complete. The  
8 Engineer will notify the Contractor in writing of the Substantial Completion Date. For  
9 overruns in Contract time occurring after the date so established, the formula for  
10 liquidated damages shown above will not apply. For overruns in Contract time occurring  
11 after the Substantial Completion Date, liquidated damages shall be assessed on the  
12 basis of direct engineering and related costs assignable to the project until the actual  
13 Physical Completion Date of all the Contract Work. The Contractor shall complete the  
14 remaining Work as promptly as possible. Upon request by the Project Engineer, the  
15 Contractor shall furnish a written schedule for completing the physical Work on the  
16 Contract.  
17
- 18 **Measurement and Payment**  
19
- 20 **Weighing Equipment**  
21
- 22 ***General Requirements for Weighing Equipment***  
23
- 24 **1-09.2(1) General Requirements for Weighing Equipment**  
25 *(July 23, 2015 APWA GSP, Option 2)*  
26
- 27 Revise item 4 of the fifth paragraph to read:  
28
- 29 4. Test results and scale weight records for each day's hauling operations are provided  
30 to the Engineer daily. Reporting shall utilize WSDOT form 422-027, Scaleman's  
31 Daily Report, unless the printed ticket contains the same information that is on the  
32 Scaleman's Daily Report Form. The scale operator must provide AM and/or PM tare  
33 weights for each truck on the printed ticket.  
34
- 35 ***Measurement***  
36
- 37 Section 1-09.2(5) is revised to read as follows:  
38
- 39 **1-09.2(5) Measurement**  
40 *(May 2, 2017 APWA GSP)*  
41
- 42 Revise the first paragraph to read:  
43
- 44 **Scale Verification Checks** – At the Engineer's discretion, the Engineer may perform  
45 verification checks on the accuracy of each batch, hopper, or platform scale used in  
46 weighing contract items of Work.  
47
- 48 **1-09.6 Force Account**  
49 *(October 12, 2016 SkagitR)*  
50
- 51 Section 1-09.6 is supplemented with the following:

Payment for unanticipated work performed during construction shall be made using the estimated Bid item "Unanticipated Site Work"

**1-09.9 Payments**

*(March 13, 2012 APWA GSP)*

Supplement this section with the following:

Lump sum item breakdowns are not required when the bid price for the lump sum item is less than \$20,000.

**1-09.11(3) Time Limitation and Jurisdiction**

*(November 30, 2018 APWA GSP)*

Revise this section to read:

For the convenience of the parties to the Contract it is mutually agreed by the parties that any claims or causes of action which the Contractor has against the Contracting Agency arising from the Contract shall be brought within 180 calendar days from the date of final acceptance (Section 1-05.12) of the Contract by the Contracting Agency; and it is further agreed that any such claims or causes of action shall be brought only in the Superior Court of the county where the Contracting Agency headquarters is located, provided that where an action is asserted against a county, RCW 36.01.050 shall control venue and jurisdiction. The parties understand and agree that the Contractor's failure to bring suit within the time period provided, shall be a complete bar to any such claims or causes of action. It is further mutually agreed by the parties that when any claims or causes of action which the Contractor asserts against the Contracting Agency arising from the Contract are filed with the Contracting Agency or initiated in court, the Contractor shall permit the Contracting Agency to have timely access to any records deemed necessary by the Contracting Agency to assist in evaluating the claims or action.

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

*(October 1, 2005 APWA GSP)*

Delete this section and replace it with the following:

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

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

*(November 30, 2018 APWA GSP)*

Revise the third paragraph to read:

The Contracting Agency and the Contractor mutually agree to be bound by the decision of the arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the Superior Court of the county in which the Contracting Agency's headquarters is located, provided that where claims subject to arbitration are asserted against a county, RCW 36.01.050 shall control venue and jurisdiction of the Superior Court. The decision of

the arbitrator and the specific basis for the decision shall be in writing. The arbitrator shall use the Contract as a basis for decisions.

## **Temporary Traffic Control**

### **Traffic Control Management**

#### ***General***

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

(January 3, 2017)

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

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

Evergreen Safety Council  
12545 135<sup>th</sup> Ave. NE  
Kirkland, WA 98034-8709  
1-800-521-0778

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

#### ***Conformance to Established Standards***

Section 1-10.2(3) is revised to read:

(February 3, 2020)

Flagging, signs, and all other traffic control devices and procedures furnished or provided shall conform to the standards established in the latest WSDOT adopted edition (in accordance with WAC 468-95) of the MUTCD, published by the U.S. Department of Transportation, and the 2005 draft version of the *Public Rights-of-Way Accessibility Guidelines* (PROWAG): <https://www.access-board.gov/guidelines-and-standards/streets-sidewalks/public-rights-of-way/background/revised-draft-guidelines>. Judgment of the quality of devices furnished will be based upon *Quality Guidelines for Temporary Traffic Control Devices*, published by the American Traffic Safety Services Association. Copies of the MUTCD and *Quality Guidelines for Temporary Control Devices* may be purchased from the American Traffic Safety Services Association, 15 Riverside Parkway, Suite 100, Fredericksburg, VA 22406-1022.

In addition to the standards of the MUTCD described above, the Contracting Agency enforces crashworthiness requirements for most work zone devices. The AASHTO

Manual for Assessing Safety Hardware (MASH) has superseded the National Cooperative Highway Research Project (NCHRP) Report 350 as the established requirements for crash testing. Temporary traffic control devices manufactured after December 31, 2019 shall be compliant with the 2016 edition of the Manual for Assessing Safety Hardware (MASH 16) crash test requirements, as determined by the Contracting Agency, except as follows:

1. In situations where a MASH 16 compliant traffic control device does not exist and there are no available traffic control devices that were manufactured on or before December 31, 2019, then a traffic control device manufactured after December 31, 2019 that is compliant with either NCHRP 350 or the 2009 edition of the Manual for Assessing Safety Hardware (MASH 09) is allowed for use with approval of the Engineer.
2. Temporary traffic control devices that were manufactured on or before December 31, 2019, and were successfully tested to National Cooperative Highway Research Program (NCHRP) Report 350 or MASH 09 may continue to be used on WSDOT projects throughout their normal service life.
3. Small and lightweight channelizing and delineating devices, including cones, tubular markers, flexible delineator posts, and plastic drums, shall meet the requirements of either NCHRP 350, MASH 09, or MASH 16, as determined by the manufacturer of the device.
4. A determination of crashworthiness for acceptance of trailer-mounted devices such as arrow displays, temporary traffic signals, area lighting supports, and portable changeable message signs is currently not required.

The condition of signs and traffic control devices shall be acceptable or marginal as defined in the book *Quality Guidelines for Temporary Traffic Control Devices*, and will be accepted based on a visual inspection by the Engineer. The Engineer's decision on the condition of a sign or traffic control device shall be final. A sign or traffic control device determined to be unacceptable shall be removed from the project and replaced within 12 hours of notification.

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**Division 2  
Earthwork**

**Removal of Structures and Obstructions**

**Construction Requirements**

Section 2-02.3 is supplemented with the following:

***(February 17, 1998)***  
***Removal of Obstructions***

\*\*\* 2-foot diameter corrugated metal pipe, approximately 63 linear feet  
3-foot diameter corrugated polyethylene pipe, approximately 58 linear feet\*\*\*

**Division 5**  
**Surface Treatments and Pavements**

**5-04 Hot Mix Asphalt**

*(July 18, 2018 APWA GSP)*

Delete Section 5-04 and amendments, Hot Mix Asphalt and replace it with the following:

**5-04.1 Description**

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. The manufacture of HMA may include warm mix asphalt (WMA) processes in accordance with these Specifications. WMA processes include organic additives, chemical additives, and foaming.

HMA shall be composed of asphalt binder and mineral materials as may be required, mixed in the proportions specified to provide a homogeneous, stable, and workable mixture.

**5-04.2 Materials**

Materials shall meet the requirements of the following sections:

Asphalt Binder 9-02.1(4)

Cationic Emulsified Asphalt 9-02.1(6)

Anti-Stripping Additive 9-02.4

HMA Additive 9-02.5

Aggregates 9-03.8

Recycled Asphalt Pavement 9-03.8(3)B

Mineral Filler 9-03.8(5)

Recycled Material 9-03.21

Portland Cement 9-01

Sand 9-03.1(2)

(As noted in 5-04.3(5)C for crack sealing)

Joint Sealant 9-04.2

Foam Backer Rod 9-04.2(3)A

The Contract documents may establish that the various mineral materials required for the manufacture of HMA will be furnished in whole or in part by the Contracting Agency. If the documents do not establish the furnishing of any of these mineral materials by the Contracting Agency, the Contractor shall be required to furnish such materials in the amounts required for the designated mix. Mineral materials include coarse and fine aggregates, and mineral filler.

The Contractor may choose to utilize recycled asphalt pavement (RAP) in the production of HMA. The RAP may be from pavements removed under the Contract, if any, or pavement material from an existing stockpile.

The Contractor may use up to 20 percent RAP by total weight of HMA with no additional sampling or testing of the RAP. The RAP shall be sampled and tested at a frequency of one sample for every 1,000 tons produced and not less than ten samples per project. The asphalt content and gradation test data shall be reported to the Contracting Agency when submitting the mix design for approval on the QPL. The Contractor shall include the RAP as part of the mix design as defined in these Specifications.

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

The Contractor may only use warm mix asphalt (WMA) processes in the production of HMA with 20 percent or less RAP by total weight of HMA. The Contractor shall submit to the Engineer for approval the process that is proposed and how it will be used in the manufacture of HMA.

Production of aggregates shall comply with the requirements of Section 3-01. Preparation of stockpile site, the stockpiling of aggregates, and the removal of aggregates from stockpiles shall comply with the requirements of Section 3-02.

#### **5-04.2(1) How to Get an HMA Mix Design on the QPL**

If the contractor wishes to submit a mix design for inclusion in the Qualified Products List (QPL), please follow the WSDOT process outlined in Standard Specification 5-04.2(1).

#### **5-04.2(1)A Vacant**

#### **5-04.2(2) Mix Design – Obtaining Project Approval**

No paving shall begin prior to the approval of the mix design by the Engineer.

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

**Commercial** evaluation will be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel, and pavement repair. Other nonstructural applications of HMA accepted by commercial evaluation shall be as approved by the Project Engineer. Sampling and testing of HMA accepted by commercial evaluation will be at the option of the Project Engineer. The Proposal quantity of HMA that is accepted by commercial evaluation will be excluded from the quantities used in the determination of nonstatistical evaluation.

**Nonstatistical Mix Design.** Fifteen days prior to the first day of paving the contractor shall provide one of the following mix design verification certifications for Contracting Agency review;

- The WSDOT Mix Design Evaluation Report from the current WSDOT QPL, or one of the mix design verification certifications listed below.

- The proposed HMA mix design on WSDOT Form 350-042 with the seal and certification (stamp & signature) of a valid licensed Washington State Professional Engineer.
- The Mix Design Report for the proposed HMA mix design developed by a qualified City or County laboratory that is within one year of the approval date.\*\*

The mix design shall be performed by a lab accredited by a national authority such as Laboratory Accreditation Bureau, L-A-B for Construction Materials Testing, The Construction Materials Engineering Council (CMEC's) ISO 17025 or AASHTO Accreditation Program (AAP) and shall supply evidence of participation in the AASHTO: resource proficiency sample program.

Mix designs for HMA accepted by Nonstatistical evaluation shall;

- Have the aggregate structure and asphalt binder content determined in accordance with WSDOT Standard Operating Procedure 732 and meet the requirements of Sections 9-03.8(2), except that Hamburg testing for ruts and stripping are at the discretion of the Engineer, and 9-03.8(6).
- Have anti-strip requirements, if any, for the proposed mix design determined in accordance with AASHTO T 283 or T 324, or based on historic anti-strip and aggregate source compatibility from previous WSDOT lab testing.

At the discretion of the Engineer, agencies may accept verified mix designs older than 12 months from the original verification date with a certification from the Contractor that the materials and sources are the same as those shown on the original mix design.

Commercial Evaluation Approval of a mix design for "Commercial Evaluation" will be based on a review of the Contractor's submittal of WSDOT Form 350-042 (For commercial mixes, AASHTO T 324 evaluation is not required) or a Mix Design from the current WSDOT QPL or from one of the processes allowed by this section. Testing of the HMA by the Contracting Agency for mix design approval is not required.

For the Bid Item Commercial HMA, the Contractor shall select a class of HMA and design level of Equivalent Single Axle Loads (ESAL's) appropriate for the required use.

#### **5-04.2(2)B Using Warm Mix Asphalt Processes**

The Contractor may elect to use additives that reduce the optimum mixing temperature or serve as a compaction aid for producing HMA. Additives include organic additives, chemical additives and foaming processes. The use of Additives is subject to the following:

- Do not use additives that reduce the mixing temperature more than allowed in Section 5-04.3(6) in the production of mixtures.
- Before using additives, obtain the Engineer's approval using WSDOT Form 350-076 to describe the proposed additive and process.

#### **5-04.3 Construction Requirements**



**5-04.3(1) Weather Limitations**

Do not place HMA for wearing course on any Traveled Way beginning October 1st through March 31st of the following year without written concurrence from the Engineer.

Do not place HMA on any wet surface, or when the average surface temperatures are less than those specified below, or when weather conditions otherwise prevent the proper handling or finishing of the HMA.

**Minimum Surface Temperature for Paving**

Compacted Thickness (Feet)	Wearing Course	Other Courses
Less than 0.10	55°F	45°F
0.10 to .20	45°F	35°F
More than 0.20	35°F	35°F

**5-04.3(2) Paving Under Traffic**

When the Roadway being paved is open to traffic, the requirements of this Section shall apply.

The Contractor shall keep intersections open to traffic at all times except when paving the intersection or paving across the intersection. During such time, and provided that there has been an advance warning to the public, the intersection may be closed for the minimum time required to place and compact the mixture. In hot weather, the Engineer may require the application of water to the pavement to accelerate the finish rolling of the pavement and to shorten the time required before reopening to traffic.

Before closing an intersection, advance warning signs shall be placed and signs shall also be placed marking the detour or alternate route.

During paving operations, temporary pavement markings shall be maintained throughout the project. Temporary pavement markings shall be installed on the Roadway prior to opening to traffic. Temporary pavement markings shall be in accordance with Section 8-23.

All costs in connection with performing the Work in accordance with these requirements, except the cost of temporary pavement markings, shall be included in the unit Contract prices for the various Bid items involved in the Contract.

**5-04.3(3) Equipment**

**5-04.3(3)A Mixing Plant**

Plants used for the preparation of HMA shall conform to the following requirements:

- 1           **1. Equipment for Preparation of Asphalt Binder** – Tanks for the storage of  
2 asphalt binder shall be equipped to heat and hold the material at the required  
3 temperatures. The heating shall be accomplished by steam coils, electricity, or  
4 other approved means so that no flame shall be in contact with the storage tank.  
5 The circulating system for the asphalt binder shall be designed to ensure proper  
6 and continuous circulation during the operating period. A valve for the purpose of  
7 sampling the asphalt binder shall be placed in either the storage tank or in the  
8 supply line to the mixer.
- 9           **2. Thermometric Equipment** – An armored thermometer, capable of detecting  
10 temperature ranges expected in the HMA mix, shall be fixed in the asphalt binder  
11 feed line at a location near the charging valve at the mixer unit. The thermometer  
12 location shall be convenient and safe for access by Inspectors. The plant shall  
13 also be equipped with an approved dial-scale thermometer, a mercury actuated  
14 thermometer, an electric pyrometer, or another approved thermometric  
15 instrument placed at the discharge chute of the drier to automatically register or  
16 indicate the temperature of the heated aggregates. This device shall be in full  
17 view of the plant operator.
- 18           **3. Heating of Asphalt Binder** – The temperature of the asphalt binder shall not  
19 exceed the maximum recommended by the asphalt binder manufacturer nor shall  
20 it be below the minimum temperature required to maintain the asphalt binder in a  
21 homogeneous state. The asphalt binder shall be heated in a manner that will  
22 avoid local variations in heating. The heating method shall provide a continuous  
23 supply of asphalt binder to the mixer at a uniform average temperature with no  
24 individual variations exceeding 25°F. Also, when a WMA additive is included in  
25 the asphalt binder, the temperature of the asphalt binder shall not exceed the  
26 maximum recommended by the manufacturer of the WMA additive.
- 27           **4. Sampling and Testing of Mineral Materials** – The HMA plant shall be equipped  
28 with a mechanical sampler for the sampling of the mineral materials. The  
29 mechanical sampler shall meet the requirements of Section 1-05.6 for the  
30 crushing and screening operation. The Contractor shall provide for the setup and  
31 operation of the field testing facilities of the Contracting Agency as provided for in  
32 Section 3-01.2(2).
- 33           **5. Sampling HMA** – The HMA plant shall provide for sampling HMA by one of the  
34 following methods:
  - 35           a. A mechanical sampling device attached to the HMA plant.
  - 36           b. Platforms or devices to enable sampling from the hauling vehicle without  
37 entering the hauling vehicle.

#### 38 39           **5-04.3(3)B Hauling Equipment**

40 Trucks used for hauling HMA shall have tight, clean, smooth metal beds and shall have a  
41 cover of canvas or other suitable material of sufficient size to protect the mixture from  
42 adverse weather. Whenever the weather conditions during the work shift include, or are  
43 forecast to include, precipitation or an air temperature less than 45°F or when time from  
44 loading to unloading exceeds 30 minutes, the cover shall be securely attached to protect  
45 the HMA.

46  
47 The contractor shall provide an environmentally benign means to prevent the HMA  
48 mixture from adhering to the hauling equipment. Excess release agent shall be drained  
49 prior to filling hauling equipment with HMA. Petroleum derivatives or other coating  
50 material that contaminate or alter the characteristics of the HMA shall not be used. For

live bed trucks, the conveyer shall be in operation during the process of applying the release agent.

#### **5-04.3(3)C Pavers**

HMA pavers shall be self-contained, power-propelled units, provided with an internally heated vibratory screed and shall be capable of spreading and finishing courses of HMA plant mix material in lane widths required by the paving section shown in the Plans.

The HMA paver shall be in good condition and shall have the most current equipment available from the manufacturer for the prevention of segregation of the HMA mixture installed, in good condition, and in working order. The equipment certification shall list the make, model, and year of the paver and any equipment that has been retrofitted.

The screed shall be operated in accordance with the manufacturer's recommendations and shall effectively produce a finished surface of the required evenness and texture without tearing, shoving, segregating, or gouging the mixture. A copy of the manufacturer's recommendations shall be provided upon request by the Contracting Agency. Extensions will be allowed provided they produce the same results, including ride, density, and surface texture as obtained by the primary screed. Extensions without augers and an internally heated vibratory screed shall not be used in the Traveled Way.

When specified in the Contract, reference lines for vertical control will be required. Lines shall be placed on both outer edges of the Traveled Way of each Roadway. Horizontal control utilizing the reference line will be permitted. The grade and slope for intermediate lanes shall be controlled automatically from reference lines or by means of a mat referencing device and a slope control device. When the finish of the grade prepared for paving is superior to the established tolerances and when, in the opinion of the Engineer, further improvement to the line, grade, cross-section, and smoothness can best be achieved without the use of the reference line, a mat referencing device may be substituted for the reference line. Substitution of the device will be subject to the continued approval of the Engineer. A joint matcher may be used subject to the approval of the Engineer. The reference line may be removed after the completion of the first course of HMA when approved by the Engineer. Whenever the Engineer determines that any of these methods are failing to provide the necessary vertical control, the reference lines will be reinstalled by the Contractor.

The Contractor shall furnish and install all pins, brackets, tensioning devices, wire, and accessories necessary for satisfactory operation of the automatic control equipment.

If the paving machine in use is not providing the required finish, the Engineer may suspend Work as allowed by Section 1-08.6. Any cleaning or solvent type liquids spilled on the pavement shall be thoroughly removed before paving proceeds.

#### **5-04.3(3)D Material Transfer Device or Material Transfer Vehicle**

A Material Transfer Device/Vehicle (MTD/V) shall only be used with the Engineer's approval, unless other-wise required by the contract.

Where an MTD/V is required by the contract, the Engineer may approve paving without an MTD/V, at the request of the Contractor. The Engineer will determine if an equitable adjustment in cost or time is due.

When used, the MTD/V shall mix the HMA after delivery by the hauling equipment and prior to laydown by the paving machine. Mixing of the HMA shall be sufficient to obtain a uniform temperature throughout the mixture. If a windrow elevator is used, the length of the windrow may be limited in urban areas or through intersections, at the discretion of the Engineer.

To be approved for use, an MTV:

1. Shall be self-propelled vehicle, separate from the hauling vehicle or paver.
2. Shall not be connected to the hauling vehicle or paver.
3. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.
4. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the paving machine.
5. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.

To be approved for use, an MTD:

1. Shall be positively connected to the paver.
2. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.
3. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the paving machine.
4. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.

#### **5-04.3(3)E Rollers**

Rollers shall be of the steel wheel, vibratory, oscillatory, or pneumatic tire type, in good condition and capable of reversing without backlash. Operation of the roller shall be in accordance with the manufacturer's recommendations. When ordered by the Engineer for any roller planned for use on the project, the Contractor shall provide a copy of the manufacturer's recommendation for the use of that roller for compaction of HMA. The number and weight of rollers shall be sufficient to compact the mixture in compliance with the requirements of Section 5-04.3(10). The use of equipment that results in crushing of the aggregate will not be permitted. Rollers producing pickup, washboard, uneven compaction of the surface, displacement of the mixture or other undesirable results shall not be used.

#### **5-04.3(4) Preparation of Existing Paved Surfaces**

When the surface of the existing pavement or old base is irregular, the Contractor shall bring it to a uniform grade and cross-section as shown on the Plans or approved by the Engineer.

Preleveling of uneven or broken surfaces over which HMA is to be placed may be accomplished by using an asphalt paver, a motor patrol grader, or by hand raking, as approved by the Engineer.

Compaction of preleveling HMA shall be to the satisfaction of the Engineer and may require the use of small steel wheel rollers, plate compactors, or pneumatic rollers to avoid bridging across preleveled areas by the compaction equipment. Equipment used for the compaction of preleveling HMA shall be approved by the Engineer.

Before construction of HMA on an existing paved surface, the entire surface of the pavement shall be clean. All fatty asphalt patches, grease drippings, and other objectionable matter shall be entirely removed from the existing pavement. All pavements or bituminous surfaces shall be thoroughly cleaned of dust, soil, pavement grindings, and other foreign matter. All holes and small depressions shall be filled with an appropriate class of HMA. The surface of the patched area shall be leveled and compacted thoroughly. Prior to the application of tack coat, or paving, the condition of the surface shall be approved by the Engineer.

A tack coat of asphalt shall be applied to all paved surfaces on which any course of HMA is to be placed or abutted; except that tack coat may be omitted from clean, newly paved surfaces at the discretion of the Engineer. Tack coat shall be uniformly applied to cover the existing pavement with a thin film of residual asphalt free of streaks and bare spots at a rate between 0.02 and 0.10 gallons per square yard of retained asphalt. The rate of application shall be approved by the Engineer. A heavy application of tack coat shall be applied to all joints. For Roadways open to traffic, the application of tack coat shall be limited to surfaces that will be paved during the same working shift. The spreading equipment shall be equipped with a thermometer to indicate the temperature of the tack coat material.

Equipment shall not operate on tacked surfaces until the tack has broken and cured. If the Contractor's operation damages the tack coat it shall be repaired prior to placement of the HMA.

The tack coat shall be CSS-1, or CSS-1h emulsified asphalt. The CSS-1 and CSS-1h emulsified asphalt may be diluted once with water at a rate not to exceed one part water to one part emulsified asphalt. The tack coat shall have sufficient temperature such that it may be applied uniformly at the specified rate of application and shall not exceed the maximum temperature recommended by the emulsified asphalt manufacturer.

#### **5-04.3(4)A Crack Sealing**

##### **5-04.3(4)A1 General**

When the Proposal includes a pay item for crack sealing, seal all cracks ¼ inch in width and greater.

**Cleaning:** Ensure that cracks are thoroughly clean, dry and free of all loose and foreign material when filling with crack sealant material. Use a hot compressed air lance to dry and warm the pavement surfaces within the crack immediately prior to filling a crack with

the sealant material. Do not overheat pavement. Do not use direct flame dryers. Routing cracks is not required.

**Sand Slurry:** For cracks that are to be filled with sand slurry, thoroughly mix the components and pour the mixture into the cracks until full. Add additional CSS-1 cationic emulsified asphalt to the sand slurry as needed for workability to ensure the mixture will completely fill the cracks. Strike off the sand slurry flush with the existing pavement surface and allow the mixture to cure. Top off cracks that were not completely filled with additional sand slurry. Do not place the HMA overlay until the slurry has fully cured.

The sand slurry shall consist of approximately 20 percent CSS-1 emulsified asphalt, approximately 2 percent portland cement, water (if required), and the remainder clean Class 1 or 2 fine aggregate per section 9-03.1(2). The components shall be thoroughly mixed and then poured into the cracks and joints until full. The following day, any cracks or joints that are not completely filled shall be topped off with additional sand slurry. After the sand slurry is placed, the filler shall be struck off flush with the existing pavement surface and allowed to cure. The HMA overlay shall not be placed until the slurry has fully cured. The requirements of Section 1-06 will not apply to the portland cement and sand used in the sand slurry.

In areas where HMA will be placed, use sand slurry to fill the cracks.

In areas where HMA will not be placed, fill the cracks as follows:

1. Cracks ¼ inch to 1 inch in width - fill with hot poured sealant.
2. Cracks greater than 1 inch in width – fill with sand slurry.

**Hot Poured Sealant:** For cracks that are to be filled with hot poured sealant, apply the material in accordance with these requirements and the manufacturer's recommendations. Furnish a Type 1 Working Drawing of the manufacturer's product information and recommendations to the Engineer prior to the start of work, including the manufacturer's recommended heating time and temperatures, allowable storage time and temperatures after initial heating, allowable reheating criteria, and application temperature range. Confine hot poured sealant material within the crack. Clean any overflow of sealant from the pavement surface. If, in the opinion of the Engineer, the Contractor's method of sealing the cracks with hot poured sealant results in an excessive amount of material on the pavement surface, stop and correct the operation to eliminate the excess material.

#### **5-04.3(4)A2 Crack Sealing Areas Prior to Paving**

In areas where HMA will be placed, use sand slurry to fill the cracks.

#### **5-04.3(4)A3 Crack Sealing Areas Not to be Paved**

In areas where HMA will not be placed, fill the cracks as follows:

- A. Cracks ¼ inch to 1 inch in width - fill with hot poured sealant.
- B. Cracks greater than 1 inch in width – fill with sand slurry.

1  
2 **5-04.3(4)B Vacant**  
3

4 **5-04.3(4)C Pavement Repair**

5 The Contractor shall excavate pavement repair areas and shall backfill these with HMA  
6 in accordance with the details shown in the Plans and as marked in the field. The  
7 Contractor shall conduct the excavation operations in a manner that will protect the  
8 pavement that is to remain. Pavement not designated to be removed that is damaged as  
9 a result of the Contractor's operations shall be repaired by the Contractor to the  
10 satisfaction of the Engineer at no cost to the Contracting Agency. The Contractor shall  
11 excavate only within one lane at a time unless approved otherwise by the Engineer. The  
12 Contractor shall not excavate more area than can be completely finished during the  
13 same shift, unless approved by the Engineer.  
14

15 Unless otherwise shown in the Plans or determined by the Engineer, excavate to a depth  
16 of 1.0 feet. The Engineer will make the final determination of the excavation depth  
17 required. The minimum width of any pavement repair area shall be 40 inches unless  
18 shown otherwise in the Plans. Before any excavation, the existing pavement shall be  
19 sawcut or shall be removed by a pavement grinder. Excavated materials will become the  
20 property of the Contractor and shall be disposed of in a Contractor-provided site off the  
21 Right of Way or used in accordance with Sections 2-02.3(3) or 9-03.21.  
22

23 Asphalt for tack coat shall be required as specified in Section 5-04.3(4). A heavy  
24 application of tack coat shall be applied to all surfaces of existing pavement in the  
25 pavement repair area.  
26

27 Placement of the HMA backfill shall be accomplished in lifts not to exceed 0.35-foot  
28 compacted depth. Lifts that exceed 0.35-foot of compacted depth may be accomplished  
29 with the approval of the Engineer. Each lift shall be thoroughly compacted by a  
30 mechanical tamper or a roller.  
31

32 **5-04.3(5) Producing/Stockpiling Aggregates and RAP**

33 Aggregates and RAP shall be stockpiled according to the requirements of Section 3-02.  
34 Sufficient storage space shall be provided for each size of aggregate and RAP. Materials  
35 shall be removed from stockpile(s) in a manner to ensure minimal segregation when  
36 being moved to the HMA plant for processing into the final mixture. Different aggregate  
37 sizes shall be kept separated until they have been delivered to the HMA plant.  
38

39 **5-04.3(5)A Vacant**  
40

41 **5-04.3(6) Mixing**

42 After the required amount of mineral materials, asphalt binder, recycling agent and anti-  
43 stripping additives have been introduced into the mixer the HMA shall be mixed until  
44 complete and uniform coating of the particles and thorough distribution of the asphalt  
45 binder throughout the mineral materials is ensured.  
46

When discharged, the temperature of the HMA shall not exceed the optimum mixing temperature by more than 25°F as shown on the reference mix design report or as approved by the Engineer. Also, when a WMA additive is included in the manufacture of HMA, the discharge temperature of the HMA shall not exceed the maximum recommended by the manufacturer of the WMA additive. A maximum water content of 2 percent in the mix, at discharge, will be allowed providing the water causes no problems with handling, stripping, or flushing. If the water in the HMA causes any of these problems, the moisture content shall be reduced as directed by the Engineer.

Storing or holding of the HMA in approved storage facilities will be permitted with approval of the Engineer, but in no event shall the HMA be held for more than 24 hours. HMA held for more than 24 hours after mixing shall be rejected. Rejected HMA shall be disposed of by the Contractor at no expense to the Contracting Agency. The storage facility shall have an accessible device located at the top of the cone or about the third point. The device shall indicate the amount of material in storage. No HMA shall be accepted from the storage facility when the HMA in storage is below the top of the cone of the storage facility, except as the storage facility is being emptied at the end of the working shift.

Recycled asphalt pavement (RAP) utilized in the production of HMA shall be sized prior to entering the mixer so that a uniform and thoroughly mixed HMA is produced. If there is evidence of the recycled asphalt pavement not breaking down during the heating and mixing of the HMA, the Contractor shall immediately suspend the use of the RAP until changes have been approved by the Engineer. After the required amount of mineral materials, RAP, new asphalt binder and asphalt rejuvenator have been introduced into the mixer the HMA shall be mixed until complete and uniform coating of the particles and thorough distribution of the asphalt binder throughout the mineral materials, and RAP is ensured.

#### **5-04.3(7) Spreading and Finishing**

The mixture shall be laid upon an approved surface, spread, and struck off to the grade and elevation established. HMA pavers complying with Section 5-04.3(3) shall be used to distribute the mixture. Unless otherwise directed by the Engineer, the nominal compacted depth of any layer of any course shall not exceed the following:

HMA Class 1"	0.35 feet
HMA Class ¾" and HMA Class ½"	
wearing course	0.30 feet
other courses	0.35 feet
HMA Class ⅜"	0.15 feet

On areas where irregularities or unavoidable obstacles make the use of mechanical spreading and finishing equipment impractical, the paving may be done with other equipment or by hand.

When more than one JMF is being utilized to produce HMA, the material produced for each JMF shall be placed by separate spreading and compacting equipment. The intermingling of HMA produced from more than one JMF is prohibited. Each strip of HMA



placed during a work shift shall conform to a single JMF established for the class of HMA specified unless there is a need to make an adjustment in the JMF.

#### **5-04.3(8) Aggregate Acceptance Prior to Incorporation in HMA**

For HMA accepted by nonstatistical evaluation the aggregate properties of sand equivalent, uncompacted void content and fracture will be evaluated in accordance with Section 3-04. Sampling and testing of aggregates for HMA accepted by commercial evaluation will be at the option of the Engineer.

#### **5-04.3(9) HMA Mixture Acceptance**

Acceptance of HMA shall be as provided under nonstatistical, or commercial evaluation.

Nonstatistical evaluation will be used for the acceptance of HMA unless Commercial Evaluation is specified.

Commercial evaluation will be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel, temporary pavement, and pavement repair. Other nonstructural applications of HMA accepted by commercial evaluation shall be as approved by the Engineer. Sampling and testing of HMA accepted by commercial evaluation will be at the option of the Engineer.

The mix design will be the initial JMF for the class of HMA. The Contractor may request a change in the JMF. Any adjustments to the JMF will require the approval of the Engineer and may be made in accordance with this section.

#### **HMA Tolerances and Adjustments**

1. **Job Mix Formula Tolerances** – The constituents of the mixture at the time of acceptance shall be within tolerance. The tolerance limits will be established as follows:

For Asphalt Binder and Air Voids (Va), the acceptance limits are determined by adding the tolerances below to the approved JMF values. These values will also be the Upper Specification Limit (USL) and Lower Specification Limit (LSL) required in Section 1-06.2(2)D2

Property	Non-Statistical Evaluation	Commercial Evaluation
Asphalt Binder	+/- 0.5%	+/- 0.7%
Air Voids, Va	2.5% min. and 5.5% max	N/A

For Aggregates in the mixture:

- a. First, determine preliminary upper and lower acceptance limits by applying the following tolerances to the approved JMF.

Aggregate Percent Passing	Non-Statistical Evaluation	Commercial Evaluation
1", ¾", ½", and 3/8" sieves	+/- 6%	+/- 8%
No. 4 sieve	+/- 6%	+/- 8%
No. 8 Sieve	+/- 6%	+/- 8%
No. 200 sieve	+/- 2.0%	+/- 3.0%

- b. Second, adjust the preliminary upper and lower acceptance limits determined from step (a) the minimum amount necessary so that none of the aggregate properties are outside the control points in Section 9-03.8(6). The resulting

- 1 values will be the upper and lower acceptance limits for aggregates, as well as  
2 the USL and LSL required in Section 1-06.2(2)D2.
- 3 2. Job Mix Formula Adjustments – An adjustment to the aggregate gradation or  
4 asphalt binder content of the JMF requires approval of the Engineer. Adjustments  
5 to the JMF will only be considered if the change produces material of equal or  
6 better quality and may require the development of a new mix design if the  
7 adjustment exceeds the amounts listed below.
- 8 a. **Aggregates** –2 percent for the aggregate passing the 1½", 1", ¾", ½", ⅜", and  
9 the No. 4 sieves, 1 percent for aggregate passing the No. 8 sieve, and 0.5  
10 percent for the aggregate passing the No. 200 sieve. The adjusted JMF shall  
11 be within the range of the control points in Section 9-03.8(6).
- 12 b. **Asphalt Binder Content** – The Engineer may order or approve changes to  
13 asphalt binder content. The maximum adjustment from the approved mix  
14 design for the asphalt binder content shall be 0.3 percent

15  
16 **5-04.3(9)A Vacant**

17  
18 **5-04.3(9)B Vacant**

19  
20 **5-04.3(9)C Mixture Acceptance – Nonstatistical Evaluation**

21 HMA mixture which is accepted by Nonstatistical Evaluation will be evaluated by the  
22 Contracting Agency by dividing the HMA tonnage into lots.

23  
24 **5-04.3(9)C1 Mixture Nonstatistical Evaluation – Lots and Sublots**

25 A lot is represented by randomly selected samples of the same mix design that will be  
26 tested for acceptance. A lot is defined as the total quantity of material or work produced  
27 for each Job Mix Formula placed. Only one lot per JMF is expected. A subplot shall be  
28 equal to one day's production or 800 tons, whichever is less except that the final subplot  
29 will be a minimum of 400 tons and may be increased to 1200 tons.

30  
31 All of the test results obtained from the acceptance samples from a given lot shall be  
32 evaluated collectively. If the Contractor requests a change to the JMF that is approved,  
33 the material produced after the change will be evaluated on the basis of the new JMF for  
34 the remaining sublots in the current lot and for acceptance of subsequent lots. For a lot  
35 in progress with a CPF less than 0.75, a new lot will begin at the Contractor's request  
36 after the Engineer is satisfied that material conforming to the Specifications can be  
37 produced.

38  
39 Sampling and testing for evaluation shall be performed on the frequency of one sample  
40 per subplot.

41  
42 **5-04.3(9)C2 Mixture Nonstatistical Evaluation Sampling**

43 Samples for acceptance testing shall be obtained by the Contractor when ordered by the  
44 Engineer. The Contractor shall sample the HMA mixture in the presence of the Engineer  
45 and in accordance with AASH-TO T 168. A minimum of three samples should be taken  
46 for each class of HMA placed on a project. If used in a structural application, at least one  
47 of the three samples shall to be tested.

Sampling and testing HMA in a Structural application where quantities are less than 400 tons is at the discretion of the Engineer.

For HMA used in a structural application and with a total project quantity less than 800 tons but more than 400 tons, a minimum of one acceptance test shall be performed. In all cases, a minimum of 3 samples will be obtained at the point of acceptance, a minimum of one of the three samples will be tested for conformance to the JMF:

- If the test results are found to be within specification requirements, additional testing will be at the Engineer's discretion.
- If test results are found not to be within specification requirements, additional testing of the remaining samples to determine a Composite Pay Factor (CPF) shall be performed.

#### **5-04.3(9)C3 Mixture Nonstatistical Evaluation – Acceptance Testing**

Testing of HMA for compliance of  $V_a$  will at the option of the Contracting Agency. If tested, compliance of  $V_a$  will use WSDOT SOP 731.

Testing for compliance of asphalt binder content will be by WSDOT FOP for AASHTO T 308.

Testing for compliance of gradation will be by FOP for WAQTC T 27/T 11.

#### **5-04.3(9)C4 Mixture Nonstatistical Evaluation – Pay Factors**

For each lot of material falling outside the tolerance limits in 5-04.3(9), the Contracting Agency will determine a Composite Pay Factor (CPF) using the following price adjustment factors:

Table of Price Adjustment Factors	
Constituent	Factor "F"
All aggregate passing: 1½", 1", ¾", ½", ⅜" and No.4 sieves	2
All aggregate passing No. 8 sieve	15
All aggregate passing No. 200 sieve	20
Asphalt binder	40
Air Voids ( $V_a$ ) (where applicable)	20

Each lot of HMA produced under Nonstatistical Evaluation and having all constituents falling within the tolerance limits of the job mix formula shall be accepted at the unit Contract price with no further evaluation. When one or more constituents fall outside the nonstatistical tolerance limits in the Job Mix Formula shown in Table of Price Adjustment Factors, the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The nonstatistical tolerance limits will be used in the calculation of the CPF and the maximum CPF shall be 1.00. When less than three sublots exist, backup samples of the existing sublots or samples from the Roadway shall be tested to provide a minimum of three sets of results for evaluation.

#### **5-04.3(9)C5 Vacant**

#### **5-04.3(9)C6 Mixture Nonstatistical Evaluation – Price Adjustments**

For each lot of HMA mix produced under Nonstatistical Evaluation when the calculated CPF is less than 1.00, a Nonconforming Mix Factor (NCMF) will be determined. The NCMF equals the algebraic difference of CPF minus 1.00 multiplied by 60 percent. The total job mix compliance price adjustment will be calculated as the product of the NCMF, the quantity of HMA in the lot in tons, and the unit Contract price per ton of mix.

If a constituent is not measured in accordance with these Specifications, its individual pay factor will be considered 1.00 in calculating the Composite Pay Factor (CPF).

#### **5-04.3(9)C7 Mixture Nonstatistical Evaluation - Retests**

The Contractor may request a subplot be retested. To request a retest, the Contractor shall submit a written request within 7 calendar days after the specific test results have been received. A split of the original acceptance sample will be retested. The split of the sample will not be tested with the same tester that ran the original acceptance test. The sample will be tested for a complete gradation analysis, asphalt binder content, and, at the option of the agency, Va. The results of the retest will be used for the acceptance of the HMA in place of the original subplot sample test results. The cost of testing will be deducted from any monies due or that may come due the Contractor under the Contract at the rate of \$500 per sample.

#### **5-04.3 (9)D Mixture Acceptance – Commercial Evaluation**

If sampled and tested, HMA produced under Commercial Evaluation and having all constituents falling within the tolerance limits of the job mix formula shall be accepted at the unit Contract price with no further evaluation. When one or more constituents fall outside the commercial tolerance limits in the Job Mix Formula shown in 5-04.3(9), the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The commercial tolerance limits will be used in the calculation of the CPF and the maximum CPF shall be 1.00. When less than three sublots exist, backup samples of the existing sublots or samples from the street shall be tested to provide a minimum of three sets of results for evaluation.

For each lot of HMA mix produced and tested under Commercial Evaluation when the calculated CPF is less than 1.00, a Nonconforming Mix Factor (NCMF) will be determined. The NCMF equals the algebraic difference of CPF minus 1.00 multiplied by 60 percent. The Job Mix Compliance Price Adjustment will be calculated as the product

of the NCMF, the quantity of HMA in the lot in tons, and the unit Contract price per ton of mix.

If a constituent is not measured in accordance with these Specifications, its individual pay factor will be considered 1.00 in calculating the Composite Pay Factor (CPF).

#### **5-04.3(10) HMA Compaction Acceptance**

HMA mixture accepted by nonstatistical evaluation that is used in traffic lanes, including lanes for intersections, ramps, truck climbing, weaving, and speed change, and having a specified compacted course thickness greater than 0.10-foot, shall be compacted to a specified level of relative density. The specified level of relative density shall be a Composite Pay Factor (CPF) of not less than 0.75 when evaluated in accordance with Section 1-06.2, using a LSL of 92.0 (minimum of 92 percent of the maximum density). The maximum density shall be determined by WSDOT FOP for AASHTO T 729. The specified level of density attained will be determined by the evaluation of the density of the pavement. The density of the pavement shall be determined in accordance with WSDOT FOP for WAQTC TM 8, except that gauge correlation will be at the discretion of the Engineer, when using the nuclear density gauge and WSDOT SOP 736 when using cores to determine density.

Tests for the determination of the pavement density will be taken in accordance with the required procedures for measurement by a nuclear density gauge or roadway cores after completion of the finish rolling.

If the Contracting Agency uses a nuclear density gauge to determine density the test procedures FOP for WAQTC TM 8 and WSDOT SOP T 729 will be used on the day the mix is placed and prior to opening to traffic.

Roadway cores for density may be obtained by either the Contracting Agency or the Contractor in accordance with WSDOT SOP 734. The core diameter shall be 4-inches minimum, unless otherwise approved by the Engineer. Roadway cores will be tested by the Contracting Agency in accordance with WSDOT FOP for AASHTO T 166.

If the Contract includes the Bid item "Roadway Core" the cores shall be obtained by the Contractor in the presence of the Engineer on the same day the mix is placed and at locations designated by the Engineer. If the Contract does not include the Bid item "Roadway Core" the Contracting Agency will obtain the cores.

For a lot in progress with a CPF less than 0.75, a new lot will begin at the Contractor's request after the Engineer is satisfied that material conforming to the Specifications can be produced.

HMA mixture accepted by commercial evaluation and HMA constructed under conditions other than those listed above shall be compacted on the basis of a test point evaluation of the compaction train. The test point evaluation shall be performed in accordance with instructions from the Engineer. The number of passes with an approved compaction train, required to attain the maximum test point density, shall be used on all subsequent paving.

HMA for preleveling shall be thoroughly compacted. HMA that is used for preleveling wheel rutting shall be compacted with a pneumatic tire roller unless otherwise approved by the Engineer.

### **Test Results**

For a subplot that has been tested with a nuclear density gauge that did not meet the minimum of 92 percent of the reference maximum density in a compaction lot with a CPF below 1.00 and thus subject to a price reduction or rejection, the Contractor may request that a core be used for determination of the relative density of the subplot. The relative density of the core will replace the relative density determined by the nuclear density gauge for the subplot and will be used for calculation of the CPF and acceptance of HMA compaction lot.

When cores are taken by the Contracting Agency at the request of the Contractor, they shall be requested by noon of the next workday after the test results for the subplot have been provided or made available to the Contractor. Core locations shall be outside of wheel paths and as determined by the Engineer. Traffic control shall be provided by the Contractor as requested by the Engineer. Failure by the Contractor to provide the requested traffic control will result in forfeiture of the request for cores. When the CPF for the lot based on the results of the HMA cores is less than 1.00, the cost for the coring will be deducted from any monies due or that may become due the Contractor under the Contract at the rate of \$200 per core and the Contractor shall pay for the cost of the traffic control.

### **5-04.3(10)A HMA Compaction – General Compaction Requirements**

Compaction shall take place when the mixture is in the proper condition so that no undue displacement, cracking, or shoving occurs. Areas inaccessible to large compaction equipment shall be compacted by other mechanical means. Any HMA that becomes loose, broken, contaminated, shows an excess or deficiency of asphalt, or is in any way defective, shall be removed and replaced with new hot mix that shall be immediately compacted to conform to the surrounding area.

The type of rollers to be used and their relative position in the compaction sequence shall generally be the Contractor's option, provided the specified densities are attained. Unless the Engineer has approved otherwise, rollers shall only be operated in the static mode when the internal temperature of the mix is less than 175°F. Regardless of mix temperature, a roller shall not be operated in a mode that results in checking or cracking of the mat. Rollers shall only be operated in static mode on bridge decks.

### **5-04.3(10)B HMA Compaction – Cyclic Density**

Low cyclic density areas are defined as spots or streaks in the pavement that are less than 90 percent of the theoretical maximum density. At the Engineer's discretion, the Engineer may evaluate the HMA pavement for low cyclic density, and when doing so will follow WSDOT SOP 733. A \$500 Cyclic Density Price Adjustment will be assessed for any 500-foot section with two or more density readings below 90 percent of the theoretical maximum density.

1       **5-04.3(10)C Vacant**

2

3       **5-04.3(10)D HMA Nonstatistical Compaction**

4

5       **5-04.3(10)D1 HMA Nonstatistical Compaction – Lots and Sublots**

6       HMA compaction which is accepted by nonstatistical evaluation will be based on  
7       acceptance testing performed by the Contracting Agency dividing the project into  
8       compaction lots.

9

10       A lot is represented by randomly selected samples of the same mix design that will be  
11       tested for acceptance. A lot is defined as the total quantity of material or work produced  
12       for each Job Mix Formula placed. Only one lot per JMF is expected. A subplot shall be  
13       equal to one day's production or 400 tons, whichever is less except that the final subplot  
14       will be a minimum of 200 tons and may be increased to 800 tons. Testing for compaction  
15       will be at the rate of 5 tests per subplot per WSDOT T 738.

16

17       The subplot locations within each density lot will be determined by the Engineer. For a lot  
18       in progress with a CPF less than 0.75, a new lot will begin at the Contractor's request  
19       after the Engineer is satisfied that material conforming to the Specifications can be  
20       produced.

21

22       HMA mixture accepted by commercial evaluation and HMA constructed under conditions  
23       other than those listed above shall be compacted on the basis of a test point evaluation  
24       of the compaction train. The test point evaluation shall be performed in accordance with  
25       instructions from the Engineer. The number of passes with an approved compaction  
26       train, required to attain the maximum test point density, shall be used on all subsequent  
27       paving.

28

29       HMA for preleveling shall be thoroughly compacted. HMA that is used to prelevel wheel  
30       ruts shall be compacted with a pneumatic tire roller unless otherwise approved by the  
31       Engineer.

32

33       **5-04.3(10)D2 HMA Compaction Nonstatistical Evaluation – Acceptance Testing**

34       The location of the HMA compaction acceptance tests will be randomly selected by the  
35       Engineer from within each subplot, with one test per subplot.

36

37       **5-04.3(10)D3 HMA Nonstatistical Compaction – Price Adjustments**

38       For each compaction lot with one or two sublots, having all sublots attain a relative  
39       density that is 92 percent of the reference maximum density the HMA shall be accepted  
40       at the unit Contract price with no further evaluation. When a subplot does not attain a  
41       relative density that is 92 percent of the reference maximum density, the lot shall be  
42       evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The  
43       maximum CPF shall be 1.00, however, lots with a calculated CPF in excess of 1.00 will  
44       be used to offset lots with CPF values below 1.00 but greater than 0.90. Lots with CPF  
45       lower than 0.90 will be evaluated for compliance per 5-04.3(11). Additional testing by  
46       either a nuclear moisture-density gauge or cores will be completed as required to provide  
47       a minimum of three tests for evaluation.

For compaction below the required 92% a Non-Conforming Compaction Factor (NCCF) will be determined. The NCCF equals the algebraic difference of CPF minus 1.00 multiplied by 40 percent. The Compaction Price Adjustment will be calculated as the product of CPF, the quantity of HMA in the compaction control lot in tons, and the unit Contract price per ton of mix.

#### **5-04.3(11) Reject Work**

##### **5-04.3(11)A Reject Work General**

Work that is defective or does not conform to Contract requirements shall be rejected. The Contractor may propose, in writing, alternatives to removal and replacement of rejected material. Acceptability of such alternative proposals will be determined at the sole discretion of the Engineer. HMA that has been rejected is subject to the requirements in Section 1-06.2(2) and this specification, and the Contractor shall submit a corrective action proposal to the Engineer for approval.

##### **5-04.3(11)B Rejection by Contractor**

The Contractor may, prior to sampling, elect to remove any defective material and replace it with new material. Any such new material will be sampled, tested, and evaluated for acceptance.

##### **5-04.3(11)C Rejection Without Testing (Mixture or Compaction)**

The Engineer may, without sampling, reject any batch, load, or section of Roadway that appears defective. Material rejected before placement shall not be incorporated into the pavement. Any rejected section of Roadway shall be removed.

No payment will be made for the rejected materials or the removal of the materials unless the Contractor requests that the rejected material be tested. If the Contractor elects to have the rejected material tested, a minimum of three representative samples will be obtained and tested. Acceptance of rejected material will be based on conformance with the nonstatistical acceptance Specification. If the CPF for the rejected material is less than 0.75, no payment will be made for the rejected material; in addition, the cost of sampling and testing shall be borne by the Contractor. If the CPF is greater than or equal to 0.75, the cost of sampling and testing will be borne by the Contracting Agency. If the material is rejected before placement and the CPF is greater than or equal to 0.75, compensation for the rejected material will be at a CPF of 0.75. If rejection occurs after placement and the CPF is greater than or equal to 0.75, compensation for the rejected material will be at the calculated CPF with an addition of 25 percent of the unit Contract price added for the cost of removal and disposal.

##### **5-04.3(11)D Rejection - A Partial Sublot**

In addition to the random acceptance sampling and testing, the Engineer may also isolate from a normal sublot any material that is suspected of being defective in relative density, gradation or asphalt binder content. Such isolated material will not include an original sample location. A minimum of three random samples of the suspect material will be obtained and tested. The material will then be statistically evaluated as an independent lot in accordance with Section 1-06.2(2).



**5-04.3(11)E Rejection - An Entire Sublot**

An entire sublot that is suspected of being defective may be rejected. When a sublot is rejected a minimum of two additional random samples from this sublot will be obtained. These additional samples and the original sublot will be evaluated as an independent lot in accordance with Section 1-06.2(2).

**5-04.3(11)F Rejection - A Lot in Progress**

The Contractor shall shut down operations and shall not resume HMA placement until such time as the Engineer is satisfied that material conforming to the Specifications can be produced:

1. When the Composite Pay Factor (CPF) of a lot in progress drops below 1.00 and the Contractor is taking no corrective action, or
2. When the Pay Factor (PF) for any constituent of a lot in progress drops below 0.95 and the Contractor is taking no corrective action, or
3. When either the PFi for any constituent or the CPF of a lot in progress is less than 0.75.

**5-04.3(11)G Rejection - An Entire Lot (Mixture or Compaction)**

An entire lot with a CPF of less than 0.75 will be rejected.

**5-04.3(12) Joints**

**5-04.3(12)A HMA Joints**

**5-04.3(12)A1 Transverse Joints**

The Contractor shall conduct operations such that the placing of the top or wearing course is a continuous operation or as close to continuous as possible. Unscheduled transverse joints will be allowed and the roller may pass over the unprotected end of the freshly laid mixture only when the placement of the course must be discontinued for such a length of time that the mixture will cool below compaction temperature. When the Work is resumed, the previously compacted mixture shall be cut back to produce a slightly beveled edge for the full thickness of the course.

A temporary wedge of HMA constructed on a 20H:1V shall be constructed where a transverse joint as a result of paving or planing is open to traffic. The HMA in the temporary wedge shall be separated from the permanent HMA by strips of heavy wrapping paper or other methods approved by the Engineer. The wrapping paper shall be removed and the joint trimmed to a slightly beveled edge for the full thickness of the course prior to resumption of paving.

The material that is cut away shall be wasted and new mix shall be laid against the cut. Rollers or tamping irons shall be used to seal the joint.

**5-04.3(12)A2 Longitudinal Joints**

The longitudinal joint in any one course shall be offset from the course immediately below by not more than 6 inches nor less than 2 inches. All longitudinal joints constructed in the wearing course shall be located at a lane line or an edge line of the Traveled Way. A notched wedge joint shall be constructed along all longitudinal joints in the wearing surface of new HMA unless otherwise approved by the Engineer. The notched wedge joint shall have a vertical edge of not less than the maximum aggregate size or more than  $\frac{1}{2}$  of the compacted lift thickness and then taper down on a slope not steeper than 4H:1V. The sloped portion of the HMA notched wedge joint shall be uniformly compacted.

#### **5-04.3(12)B Bridge Paving Joint Seals**

##### **5-04.3(12)B1 HMA Sawcut and Seal**

Prior to placing HMA on the bridge deck, establish sawcut alignment points at both ends of the bridge paving joint seals to be placed at the bridge ends, and at interior joints within the bridge deck when and where shown in the Plans. Establish the sawcut alignment points in a manner that they remain functional for use in aligning the sawcut after placing the overlay.

Submit a Type 1 Working Drawing consisting of the sealant manufacturer's application procedure.

Construct the bridge paving joint seal as specified on the Plans and in accordance with the detail shown in the Standard Plans. Construct the sawcut in accordance with the detail shown in the Standard Plan. Construct the sawcut in accordance with Section 5-05.3(8)B and the manufacturer's application procedure.

##### **5-04.3(12)B2 Paved Panel Joint Seal**

Construct the paved panel joint seal in accordance with the requirements specified in section 5-04.3(12)B1 and the following requirement:

1. Clean and seal the existing joint between concrete panels in accordance with Section 5-01.3(8) and the details shown in the Standard Plans.

##### **5-04.3(13) Surface Smoothness**

The completed surface of all courses shall be of uniform texture, smooth, uniform as to crown and grade, and free from defects of all kinds. The completed surface of the wearing course shall not vary more than  $\frac{1}{8}$  inch from the lower edge of a 10-foot straightedge placed on the surface parallel to the centerline. The transverse slope of the completed surface of the wearing course shall vary not more than  $\frac{1}{4}$  inch in 10 feet from the rate of transverse slope shown in the Plans.

When deviations in excess of the above tolerances are found that result from a high place in the HMA, the pavement surface shall be corrected by one of the following methods:

- 1           1. Removal of material from high places by grinding with an approved grinding
- 2           machine, or
- 3           2. Removal and replacement of the wearing course of HMA, or
- 4           3. By other method approved by the Engineer.
- 5
- 6           Correction of defects shall be carried out until there are no deviations anywhere greater
- 7           than the allowable tolerances.
- 8
- 9           Deviations in excess of the above tolerances that result from a low place in the HMA and
- 10          deviations resulting from a high place where corrective action, in the opinion of the
- 11          Engineer, will not produce satisfactory results will be accepted with a price adjustment.
- 12          The Engineer shall deduct from monies due or that may become due to the Contractor
- 13          the sum of \$500.00 for each and every section of single traffic lane 100 feet in length in
- 14          which any excessive deviations described above are found.
- 15
- 16          When utility appurtenances such as manhole covers and valve boxes are located in the
- 17          traveled way, the utility appurtenances shall be adjusted to the finished grade prior to
- 18          paving. This requirement may be waived when requested by the Contractor, at the
- 19          discretion of the Engineer or when the adjustment details provided in the project plan or
- 20          specifications call for utility appurtenance adjustments after the completion of paving.
- 21
- 22          Utility appurtenance adjustment discussions will be included in the Pre-Paving planning
- 23          (5-04.3(14)B3). Submit a written request to waive this requirement to the Engineer prior
- 24          to the start of paving.
- 25
- 26          **5-04.3(14) Planing (Milling) Bituminous Pavement**
- 27          The planning plan must be approved by the Engineer and a pre planning meeting must
- 28          be held prior to the start of any planing. See Section 5-04.3(14)B2 for information on
- 29          planning submittals.
- 30
- 31          Locations of existing surfacing to be planed are as shown in the Drawings.
- 32
- 33          Where planing an existing pavement is specified in the Contract, the Contractor must
- 34          remove existing surfacing material and to reshape the surface to remove irregularities.
- 35          The finished product must be a prepared surface acceptable for receiving an HMA
- 36          overlay.
- 37
- 38          Use the cold milling method for planing unless otherwise specified in the Contract. Do
- 39          not use the planer on the final wearing course of new HMA.
- 40
- 41          Conduct planing operations in a manner that does not tear, break, burn, or otherwise
- 42          damage the surface which is to remain. The finished planed surface must be slightly
- 43          grooved or roughened and must be free from gouges, deep grooves, ridges, or other
- 44          imperfections. The Contractor must repair any damage to the sur-face by the
- 45          Contractor's planing equipment, using an Engineer approved method.
- 46

- 1 Repair or replace any metal castings and other surface improvements damaged by  
2 planing, as deter-mined by the Engineer.  
3
- 4 A tapered wedge cut must be planed longitudinally along curb lines sufficient to provide a  
5 minimum of 4 inches of curb reveal after placement and compaction of the final wearing  
6 course. The dimensions of the wedge must be as shown on the Drawings or as specified  
7 by the Engineer.  
8
- 9 A tapered wedge cut must also be made at transitions to adjoining pavement surfaces  
10 (meet lines) where butt joints are shown on the Drawings. Cut butt joints in a straight line  
11 with vertical faces 2 inches or more in height, producing a smooth transition to the  
12 existing adjoining pavement.  
13
- 14 After planing is complete, planed surfaces must be swept, cleaned, and if required by the  
15 Contract, patched and preleveled.  
16
- 17 The Engineer may direct additional depth planing. Before performing this additional  
18 depth planing, the Contractor must conduct a hidden metal in pavement detection survey  
19 as specified in Section 5-04.3(14)A.  
20
- 21 **5-04.3(14)A Pre-Planing Metal Detection Check**
- 22 Before starting planing of pavements, and before any additional depth planing required  
23 by the Engineer, the Contractor must conduct a physical survey of existing pavement to  
24 be planed with equipment that can iden-tify hidden metal objects.  
25
- 26 Should such metal be identified, promptly notify the Engineer.  
27
- 28 See Section 1-07.16(1) regarding the protection of survey monumentation that may be  
29 hidden in pavement.  
30
- 31 The Contractor is solely responsible for any damage to equipment resulting from the  
32 Contractor's failure to conduct a pre-planing metal detection survey, or from the  
33 Contractor's failure to notify the Engineer of any hidden metal that is detected.  
34
- 35 **5-04.3(14)B Paving and Planing Under Traffic**  
36
- 37 **5-04.3(14)B1 General**
- 38 In addition the requirements of Section 1-07.23 and the traffic controls required in  
39 Section 1-10, and unless the Contract specifies otherwise or the Engineer approves, the  
40 Contractor must comply with the following:  
41
- 42 1. Intersections:
- 43 a. Keep intersections open to traffic at all times, except when paving or planing  
44 operations through an intersection requires closure. Such closure must be kept  
45 to the minimum time required to place and compact the HMA mixture, or plane  
46 as appropriate. For paving, schedule such closure to individual lanes or portions

thereof that allows the traffic volumes and schedule of traffic volumes required in the approved traffic control plan. Schedule work so that adjacent intersections are not impacted at the same time and comply with the traffic control restrictions required by the Traffic Engineer. Each individual intersection closure or partial closure, must be addressed in the traffic control plan, which must be submitted to and accepted by the Engineer, see Section 1-10.2(2).

b. When planing or paving and related construction must occur in an intersection, consider scheduling and sequencing such work into quarters of the intersection, or half or more of an intersection with side street detours. Be prepared to sequence the work to individual lanes or portions thereof.

c. Should closure of the intersection in its entirety be necessary, and no trolley service is impacted, keep such closure to the minimum time required to place and compact the HMA mixture, plane, remove asphalt, tack coat, and as needed.

d. Any work in an intersection requires advance warning in both signage and a number of Working Days advance notice as determined by the Engineer, to alert traffic and emergency services of the intersection closure or partial closure.

e. Allow new compacted HMA asphalt to cool to ambient temperature before any traffic is allowed on it. Traffic is not allowed on newly placed asphalt until approval has been obtained from the Engineer.

2. Temporary centerline marking, post-paving temporary marking, temporary stop bars, and maintaining temporary pavement marking must comply with Section 8-23.
3. Permanent pavement marking must comply with Section 8-22.

#### **5-04.3(14)B2 Submittals – Planing Plan and HMA Paving Plan**

The Contractor must submit a separate planing plan and a separate paving plan to the Engineer at least 5 Working Days in advance of each operation's activity start date. These plans must show how the moving operation and traffic control are coordinated, as they will be discussed at the pre-planing briefing and pre-paving briefing. When requested by the Engineer, the Contractor must provide each operation's traffic control plan on 24 x 36 inch or larger size Shop Drawings with a scale showing both the area of operation and sufficient detail of traffic beyond the area of operation where detour traffic may be required. The scale on the Shop Drawings is 1 inch = 20 feet, which may be changed if the Engineer agrees sufficient detail is shown.

The planing operation and the paving operation include, but are not limited to, metal detection, removal of asphalt and temporary asphalt of any kind, tack coat and drying, staging of supply trucks, paving trains, rolling, scheduling, and as may be discussed at the briefing.

When intersections will be partially or totally blocked, provide adequately sized and noticeable signage alerting traffic of closures to come, a minimum 2 Working Days in advance. The traffic control plan must show where peace officers will be stationed when signalization is or may be, countermanded, and show areas where flaggers are proposed.

At a minimum, the planing and the paving plan must include:

1. A copy of the accepted traffic control plan, see Section 1-10.2(2), detailing each day's traffic control as it relates to the specific requirements of that day's planing and paving. Briefly describe the sequencing of traffic control consistent with the proposed planing and paving sequence, and scheduling of placement of temporary pavement markings and channelizing devices after each day's planing, and paving.
2. A copy of each intersection's traffic control plan.
3. Haul routes from Supplier facilities, and locations of temporary parking and staging areas, including return routes. Describe the complete round trip as it relates to the sequencing of paving operations.
4. Names and locations of HMA Supplier facilities to be used.
5. List of all equipment to be used for paving.
6. List of personnel and associated job classification assigned to each piece of paving equipment.
7. Description (geometric or narrative) of the scheduled sequence of planing and of paving, and intended area of planing and of paving for each day's work, must include the directions of proposed planing and of proposed paving, sequence of adjacent lane paving, sequence of skipped lane paving, intersection planing and paving scheduling and sequencing, and proposed notifications and coordinations to be timely made. The plan must show HMA joints relative to the final pavement marking lane lines.
8. Names, job titles, and contact information for field, office, and plant supervisory personnel.
9. A copy of the approved Mix Designs.
10. Tonnage of HMA to be placed each day.
11. Approximate times and days for starting and ending daily operations.

#### **5-04.3(14)B3 Pre-Paving and Pre-Planing Briefing**

At least 2 Working Days before the first paving operation and the first planing operation, or as scheduled by the Engineer for future paving and planing operations to ensure the Contractor has adequately prepared for notifying and coordinating as required in the Contract, the Contractor must be prepared to discuss that day's operations as they relate to other entities and to public safety and convenience, including driveway and business access, garbage truck operations, Metro transit operations and working around energized overhead wires, school and nursing home and hospital and other accesses, other contractors who may be operating in the area, pedestrian and bicycle traffic, and emergency services. The Contractor, and Subcontractors that may be part of that day's operations, must meet with the Engineer and discuss the proposed operation as it relates to the submitted planing plan and paving plan, approved traffic control plan, and public convenience and safety. Such discussion includes, but is not limited to:

1. General for both Paving Plan and for Planing Plan:
  - a. The actual times of starting and ending daily operations.
  - b. In intersections, how to break up the intersection, and address traffic control and signalization for that operation, including use of peace officers.

- c. The sequencing and scheduling of paving operations and of planing operations, as applicable, as it relates to traffic control, to public convenience and safety, and to other contractors who may operate in the Project Site.
  - d. Notifications required of Contractor activities, and coordinating with other entities and the public as necessary.
  - e. Description of the sequencing of installation and types of temporary pavement markings as it relates to planning and to paving.
  - f. Description of the sequencing of installation of, and the removal of, temporary pavement patch material around exposed castings and as may be needed
  - g. Description of procedures and equipment to identify hidden metal in the pavement, such as survey monumentation, monitoring wells, street car rail, and castings, before planning, see Section 5-04.3(14)B2.
  - h. Description of how flaggers will be coordinated with the planing, paving, and related operations.
  - i. Description of sequencing of traffic controls for the process of rigid pavement base repairs.
  - j. Other items the Engineer deems necessary to address.
2. Paving – additional topics:
- a. When to start applying tack and coordinating with paving.
  - b. Types of equipment and numbers of each type equipment to be used. If more pieces of equipment than personnel are proposed, describe the sequencing of the personnel operating the types of equipment. Discuss the continuance of operator personnel for each type equipment as it relates to meeting Specification requirements.
  - c. Number of JMFs to be placed, and if more than one JMF how the Contractor will ensure different JMFs are distinguished, how pavers and MTVs are distinguished if more than one JMF is being placed at the time, and how pavers and MTVs are cleaned so that one JMF does not adversely influence the other JMF.
  - d. Description of contingency plans for that day's operations such as equipment breakdown, rain out, and Supplier shutdown of operations.
  - e. Number of sublots to be placed, sequencing of density testing, and other sampling and testing.

#### **5-04.3(15) Sealing Pavement Surfaces**

Apply a fog seal where shown in the plans. Construct the fog seal in accordance with Section 5-02.3. Unless otherwise approved by the Engineer, apply the fog seal prior to opening to traffic.

#### **5-04.3(16) HMA Road Approaches**

HMA approaches shall be constructed at the locations shown in the Plans or where staked by the Engineer. The Work shall be performed in accordance with Section 5-04.

#### **5-04.4 Measurement**

HMA CI. \_\_\_\_ PG \_\_\_\_, HMA for \_\_\_\_ CI. \_\_\_\_ PG \_\_\_\_, and Commercial HMA will be measured by the ton in accordance with Section 1-09.2, with no deduction being made for the weight of asphalt binder, mineral filler, or any other component of the

- 1 mixture. If the Contractor elects to remove and replace mix as allowed by Section 5-  
2 04.3(11), the material removed will not be measured.
- 3
- 4 Roadway cores will be measured per each for the number of cores taken.
- 5
- 6 Preparation of untreated roadway will be measured by the mile once along the centerline  
7 of the main line Roadway. No additional measurement will be made for ramps, Auxiliary  
8 Lanes, service roads, Frontage Roads, or Shoulders. Measurement will be to the nearest  
9 0.01 mile.
- 10
- 11 Soil residual herbicide will be measured by the mile for the stated width to the nearest  
12 0.01 mile or by the square yard, whichever is designated in the Proposal.
- 13
- 14 Pavement repair excavation will be measured by the square yard of surface marked prior  
15 to excavation.
- 16
- 17 Asphalt for prime coat will be measured by the ton in accordance with Section 1-09.2.
- 18
- 19 Prime coat aggregate will be measured by the cubic yard, truck measure, or by the ton,  
20 whichever is designated in the Proposal.
- 21
- 22 Asphalt for fog seal will be measured by the ton, as provided in Section 5-02.4.
- 23
- 24 Longitudinal joint seals between the HMA and cement concrete pavement will be  
25 measured by the linear foot along the line and slope of the completed joint seal.
- 26
- 27 Planing bituminous pavement will be measured by the square yard.
- 28
- 29 Temporary pavement marking will be measured by the linear foot as provided in Section  
30 8-23.4.
- 31
- 32 Water will be measured by the M gallon as provided in Section 2-07.4.
- 33
- 34 **5-04.5 Payment**
- 35 Payment will be made for each of the following Bid items that are included in the  
36 Proposal:
- 37
- 38 "HMA Cl. \_\_\_\_ PG \_\_\_\_", per ton.
- 39
- 40 "HMA for Approach Cl. \_\_\_\_ PG \_\_\_\_", per ton.
- 41
- 42 "HMA for Preleveling Cl. \_\_\_\_ PG \_\_\_\_", per ton.
- 43
- 44 "HMA for Pavement Repair Cl. \_\_\_\_ PG \_\_\_\_", per ton.



1  
2 "Commercial HMA", per ton.  
3

4 The unit Contract price per ton for "HMA Cl. \_\_\_\_ PG \_\_\_\_", "HMA for Approach Cl. \_\_\_\_  
5 PG \_\_\_\_", "HMA for Preleveling Cl. \_\_\_\_ PG \_\_\_\_", "HMA for Pavement Repair Cl. \_\_\_\_ PG  
6 \_\_\_\_", and "Commercial HMA" shall be full compensation for all costs, including anti-  
7 stripping additive, incurred to carry out the requirements of Section 5-04 except for those  
8 costs included in other items which are included in this Subsection and which are  
9 included in the Proposal.

10  
11 "Preparation of Untreated Roadway", per mile.  
12

13 The unit Contract price per mile for "Preparation of Untreated Roadway" shall be full pay  
14 for all Work described under 5-04.3(4) , with the exception, however, that all costs  
15 involved in patching the Roadway prior to placement of HMA shall be included in the unit  
16 Contract price per ton for "HMA Cl. \_\_\_\_ PG \_\_\_\_" which was used for patching. If the  
17 Proposal does not include a Bid item for "Preparation of Untreated Roadway", the  
18 Roadway shall be prepared as specified, but the Work shall be included in the Contract  
19 prices of the other items of Work.

20  
21 "Preparation of Existing Paved Surfaces", per mile.  
22

23 The unit Contract Price for "Preparation of Existing Paved Surfaces" shall be full pay for  
24 all Work described under Section 5-04.3(4) with the exception, however, that all costs  
25 involved in patching the Roadway prior to placement of HMA shall be included in the unit  
26 Contract price per ton for "HMA Cl. \_\_\_\_ PG \_\_\_\_" which was used for patching. If the  
27 Proposal does not include a Bid item for "Preparation of Untreated Roadway", the  
28 Roadway shall be prepared as specified, but the Work shall be included in the Contract  
29 prices of the other items of Work.

30  
31 "Crack Sealing", by force account.  
32

33 "Crack Sealing" will be paid for by force account as specified in Section 1-09.6. For the  
34 purpose of providing a common Proposal for all Bidders, the Contracting Agency has  
35 entered an amount in the Proposal to become a part of the total Bid by the Contractor.  
36

37 "Pavement Repair Excavation Incl. Haul", per square yard.  
38

39 The unit Contract price per square yard for "Pavement Repair Excavation Incl. Haul"  
40 shall be full payment for all costs incurred to perform the Work described in Section 5-  
41 04.3(4) with the exception, however, that all costs involved in the placement of HMA  
42 shall be included in the unit Contract price per ton for "HMA for Pavement Repair Cl. \_\_\_\_  
43 PG \_\_\_\_", per ton.

44  
45 "Asphalt for Prime Coat", per ton.  
46

1 The unit Contract price per ton for “Asphalt for Prime Coat” shall be full payment for all  
2 costs incurred to obtain, provide and install the material in accordance with Section 5-  
3 04.3(4).  
4  
5 “Prime Coat Agg.”, per cubic yard, or per ton.  
6  
7 The unit Contract price per cubic yard or per ton for “Prime Coat Agg.” shall be full pay  
8 for furnishing, loading, and hauling aggregate to the place of deposit and spreading the  
9 aggregate in the quantities required by the Engineer.  
10  
11 “Asphalt for Fog Seal”, per ton.  
12  
13 Payment for “Asphalt for Fog Seal” is described in Section 5-02.5.  
14  
15 “Longitudinal Joint Seal”, per linear foot.  
16  
17 The unit Contract price per linear foot for “Longitudinal Joint Seal” shall be full payment  
18 for all costs incurred to perform the Work described in Section 5-04.3(12).  
19  
20 “Planing Bituminous Pavement”, per square yard.  
21  
22 The unit Contract price per square yard for “Planing Bituminous Pavement” shall be full  
23 payment for all costs incurred to perform the Work described in Section 5-04.3(14).  
24  
25 “Temporary Pavement Marking”, per linear foot.  
26  
27 Payment for “Temporary Pavement Marking” is described in Section 8-23.5.  
28  
29 “Water”, per M gallon.  
30  
31 Payment for “Water” is described in Section 2-07.5.  
32  
33 “Job Mix Compliance Price Adjustment”, by calculation.  
34  
35 “Job Mix Compliance Price Adjustment” will be calculated and paid for as described in  
36 Section 5-04.3(9)C6.  
37  
38 “Compaction Price Adjustment”, by calculation.  
39  
40 “Compaction Price Adjustment” will be calculated and paid for as described in Section 5-  
41 04..3(10)D3.  
42  
43 “Roadway Core”, per each.  
44

- 1 The Contractor's costs for all other Work associated with the coring (e.g., traffic control)  
2 shall be incidental and included within the unit Bid price per each and no additional  
3 payments will be made.  
4  
5 "Cyclic Density Price Adjustment", by calculation.  
6  
7 "Cyclic Density Price Adjustment" will be calculated and paid for as described in Section  
8 5-04.3(10)B.  
9

1  
2  
3 **Division 7**  
4 **Drainage Structures, Storm Sewers, Sanitary**  
5 **Sewers, Water Mains, and Conduits**

6 **Materials**

7 Section 7-03.2 is supplemented with the following:

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

10 Manufacturer shall fabricate the multi-plate round culvert as shown on the plans.  
11 Fabrication shall conform to the requirements of ASTM A-761 and shall consist of plates,  
12 fasteners, and appurtenant items.

13  
14 Plate thickness, and treatment and type of invert and foundation shall be indicated on the  
15 plans. All manufacturing processes including corrugating, punching, curving and required  
16 galvanizing shall be performed within the United States of America.

17  
18 The Contractor shall verify all field dimensions and conditions prior to ordering materials.  
19 The proposed structure shall be a multi-plate round pipe arch with the following  
20 dimensions:

21 Diameter: 11'-0"

22 Gage: 12  
23

24 All plan dimensions on the contract drawings are measured in a true horizontal plane  
25 unless otherwise noted.

26  
27 Culvert end collars shall be furnished in accordance with requirements described in the  
28 Plans.  
29

30 **Construction Requirements**

31 Section 7-03.3 is supplemented with the following:

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

33 ***End Treatment***

34 Culvert end collar shall be placed per Plans or as directed by the Engineer.  
35

36 ***Assembling***

37  
38 Section 7-03.3(2) is replaced with the following:

39 (\*\*\*\*\*)

40 Bolts and nuts shall conform to the requirements of ASTM A-449. The structure shall be  
41 assembled in accordance with the plate layout drawings provided by the manufacturer  
42 and per the manufacturer's recommendations.

43  
44 Bolts shall be tightened using an applied torque of between 100 and 300 ft.-lbs.  
45

46 The structure shall be installed in accordance with the plans and specifications, the  
47 manufacturer's recommendations, and AASHTO Standard Specification for Highway  
48 Bridges – Section 26.  
49

1 Trench excavation shall be made in embankment material that is structurally adequate.  
2 The trench width shall be shown on the plans. Poor quality in situ embankment material  
3 must be removed and replaced with suitable backfill as directed by the Engineer.  
4  
5 Bedding preparation is critical to both structure performance and service life. The bed  
6 should be constructed to uniform line and grade to avoid distortions that may create  
7 undesirable stresses in the structure and/or rapid deterioration of the roadway. The bed  
8 should be free of rock formations, protruding stones, frozen lumps, roots, and other  
9 foreign matter that may cause unequal settlement.  
10  
11 Bedding shall provide a minimum of 4,000 psf bearing capacity.  
12  
13 The structure shall be assembled in accordance with the Manufacturer's instructions. All  
14 plates shall be unloaded and handled with reasonable care. Plates shall not be rolled or  
15 dragged over gravel rock and shall be prevented from striking rock or other hard objects  
16 during placement in trench or on bedding.  
17  
18 **Backfilling**  
19 Section 7-03.3(3) is supplemented with the following:  
20 (\*\*\*\*\*)  
21 The structure shall be backfilled using clean well graded granular material that meets the  
22 requirements of AASHTO M-145 soil classification A-1, A-2 or A-3.  
23  
24 Backfill must be placed symmetrically on each side of the structure in 6 to 8 inch loose  
25 lifts. Each lift shall be compacted to a minimum of 90 percent density per AASHTO T-180.  
26  
27 Construction loads that exceed highway load limits are not allowed to cross the structure  
28 without approval from the Engineer.  
29  
30 Normal highway traffic is not allowed to cross the structure until the structure has been  
31 backfilled and as approved by the Engineer.  
32  
33 **Payment**  
34 Section 7-03.5 is supplemented with the following:  
35 (\*\*\*\*\*)  
36 All costs for culvert end collars shall be considered incidental to the bid item "11'-0" Dia.  
37 Multi-Plate Round Aluminum Culvert".  
38  
39 **Vacant**  
40  
41 Section 7-06 is revised to read:  
42  
43 **(January 2, 2018)**  
44 **7-06 Temporary Stream Diversion**  
45  
46 **7-06.1 Description**  
47 This work shall include designing, installing, operating, maintaining, removing, and disposing  
48 of the temporary stream diversion, environmental compliance and other Work as detailed in  
49 these Specifications.

1  
2 **7-06.2 Materials**

3 All materials shall be as detailed in the Contractor's Temporary Stream Diversion (TSD) Plan.  
4

5 **7-06.3 Construction Requirements**

6 **7-06.3(1) General**

7 The Work shall include compliance with Washington State Water Quality Standards in  
8 WAC 173-201A, project permits, environmental commitments and these Provisions.  
9

10 The temporary stream diversion may be either a gravity or a pumped system. Pump  
11 screens must comply with the requirements in Section 7-06.3(4) of these Special  
12 Provisions. Once a pumped diversion begins, the pump must run continuously until it is  
13 no longer necessary to bypass flows. The Contractor shall have back-up pumps on site  
14 and shall provide twenty-four hour monitoring of the pumping operation. Monitoring can  
15 be achieved by providing monitoring personnel on site or through remote sensing and  
16 instrumentation to verify operation of the bypass. If the Contractor elects to monitor by  
17 remote sensing and instrumentation, a Type 2 Working Drawing shall be submitted  
18 outlining how system operation will be monitored, how alerts will be made and how  
19 personnel will respond to a diversion system failure.  
20

21 The temporary stream diversion including water that is retained by the temporary stream  
22 diversion and any dewatering system shall be located within the permitted impact areas  
23 as shown in the Plans. The upstream diversion dam shall be constructed to a height  
24 sufficient to prevent stream flow from entering the work area. Scour protection shall be  
25 provided at the outfall of the temporary stream diversion systems and dewatering system  
26 to prevent flow re-entering the stream channel from mobilizing streambed and  
27 embankment sediments. When a temporary stream diversion is located in or near an  
28 intertidal zone the temporary stream diversion design shall take tidal influence into  
29 consideration.  
30

31 For each temporary stream diversion the Contractor shall arrange a meeting with the  
32 Engineer prior to implementation of the TSD Plan. At this meeting the Contractor shall  
33 explain to the Engineer the Work to be completed for the temporary stream diversion.  
34 The meeting shall be a minimum of 7 calendar days prior to start of the temporary stream  
35 diversion work.  
36

37 The TSD shall be operational prior to performing any other work below the Ordinary High  
38 Water Line.  
39

40 **7-06.3(2) Temporary Stream Diversion Plan**

41 **7-06.3(2)A General Plan Requirements**

42 The Contractor shall submit a Temporary Stream Diversion Plan in accordance with  
43 the requirements of a Type 2E Working Drawing and these Specifications. A separate  
44 TSD Plan shall be prepared and submitted for each temporary stream diversion that  
45 is required. The TSD Plan shall consist of a narrative and drawings detailing all  
46 temporary stream diversion requirements and shall encompass and protect all the  
47 areas affected by the Contractor's temporary stream diversion Work.  
48

49 The Contractor shall fully implement the TSD Plan throughout the duration of the  
50 associated Work. The Contractor shall update the TSD Plan throughout project  
51 construction to reflect actual site conditions and the Contractor's Work. Changes to  
52 plan shall comply with WAC 196-23-020. At the request of the Engineer an updated

1 TSD Plan shall be submitted as a Type 2E Working Drawing. A copy of the TSD Plan  
2 shall be on the project site at all times.

3  
4 The TSD Plan shall describe measures that will be taken to comply with Washington  
5 State Water Quality Standards in WAC 173-201A, applicable permits, environmental  
6 commitments and these Provisions.

7  
8 The Contractor shall incorporate the Diversion Schedule and Sequence into their  
9 Progress Schedule.

10  
11 **7-06.3(2)B Stream Flows**

12 **Minimum Stream Flows**

13 At all times of operation the Contractor's temporary stream diversion shall be  
14 designed to convey the following minimum flow rate of water in cubic feet per  
15 second:

16  
17 \*\*\* 50 \*\*\*

18  
19 During all phases of the bypass installation and decommissioning, the  
20 Contractor shall maintain flows downstream of the project site.

21  
22 **7-06.3(2)C Plan Requirements**

23 The TSD Plan shall provide the following information in the following order:

24  
25 1. Description and Location of the temporary stream diversion

- 26  
27 a. Identify the name of the water body where the temporary stream  
28 diversion will be placed. Provide a description of the temporary stream  
29 diversion.  
30  
31 b. Provide drawings showing the location of the temporary stream  
32 diversion, including proposed access routes and equipment to be used  
33 to construct the diversion.

34  
35 2. Schedule and Sequence

- 36  
37 a. Provide a sequence of Work, dates, and durations for when the  
38 following will occur, in accordance with the in-water work window in the  
39 Special Provisions:  
40  
41 i. Fish exclusion (performed by the Contracting Agency).  
42  
43 ii. TSD Plan Implementation Meeting  
44  
45 iii. TSD installation.  
46  
47 iv. Dewatering of the isolated Work area.  
48  
49 v. Restoration and stabilization of the temporary stream diversion  
50 Work area to prevent erosion.  
51

- 1 vi. Any relocations of the temporary stream diversion to  
2 accommodate the Work sequence (if needed).  
3  
4 vii. Channel rewatering.  
5  
6 viii. Removal of the TSD.  
7  
8 ix. Fish block removal (performed by Contracting Agency).  
9  
10 b. Include other Work that needs to be coordinated with the TSD (e.g.,  
11 temporary erosion control).  
12  
13 3. Calculations and Materials  
14  
15 a. Detail all elements of the temporary stream diversion; including but not  
16 limited to pipes, pumps, and other equipment.  
17  
18 b. Calculations shall demonstrate the diversion system conveys the  
19 minimum peak flow specified by the Contracting Agency and include  
20 tidal influence where applicable.  
21  
22 c. Temporary stream diversion shall include a water conveyance system  
23 to be used for dewatering and rewatering that is capable of conveying  
24 the flow required for the temporary stream diversion.  
25  
26 d. Methods for anchoring temporary stream diversion pipe and associated  
27 hardware; include calculations to demonstrate the devices ability to  
28 anchor the pipe and associated hardware.  
29  
30 e. Specifications for all materials and equipment to be used as part of the  
31 diversion including pump or diversion capacities and hose sizes. For  
32 example, provide the type, profile, and size of pipe.  
33  
34 f. Provide the size of fish screens (mesh size and surface area) to be  
35 used, in accordance with Section 7-06.3(5) of these Special Provisions.  
36  
37 4. Stream Flow Blocking and Dewatering  
38  
39 a. Provide the method(s), including locations and details (narrative and  
40 drawings) for blocking both the upstream and downstream ends of the  
41 diversion. Describe how minor leakage from upstream and  
42 downstream will be addressed.  
43  
44 b. Include provisions for scour protection at the temporary stream  
45 diversion outfalls.  
46  
47 c. Identify the means and methods for dewatering water and disposal of  
48 the water.  
49  
50 5. Inspection and Maintenance  
51



- a. Provide the schedule and frequency for inspection of the temporary stream diversion; include weekends and holidays.
- b. Describe how maintenance will be conducted when inspections identify deficiencies in the temporary stream diversion. These include, but are not limited to removal and disposal of trapped sediment or debris and repairing leaks.
- c. The Contractor shall keep a record of all inspections and maintenance of the temporary stream diversion.

6. Rewatering the Stream Channel

- a. Detail how the stream channel will be rewatered to comply with water quality requirements.
- b. Identify measures that will prevent the stranding of fish during rewatering (i.e. describe methods, rates, and durations of the rewatering process knowing that flows downstream of the fish block must be maintained to protect fish).

7. Removal of the Temporary Stream Diversion

- a. Describe the sequence that will be used for removing the temporary stream diversion and methods to prevent water quality impacts.
- b. Describe how disturbed soil will be permanently stabilized.
- c. Describe any temporary pipes to remain (requires approval of the Engineer): their type, pipe class, size, location, and plugging procedure.

8. Other Work required for the Contractor's temporary stream diversion

**7-06.3(3) Fish and Aquatic Species Exclusion and Notifications**

Prior to installing a temporary stream diversion, the Contractor shall allow 7 calendar days after the beginning of the in-water work window defined in the Special Provisions, in their schedule for the Contracting Agency: (1) to install fish block nets upstream and downstream of the in-water Work area; and (2) safely capture and relocate any fish and other aquatic organisms that become trapped between the block nets. No Work within the limits of the Ordinary High Water Line will be allowed prior to installation of fish block nets and completion of fish exclusion activities.

As specified by the Engineer the Contractor shall assist the Contracting Agency with fish and aquatic species exclusion. The Contracting Agency will pay for this Work by the force account item "Fish Exclusion".

**7-06.3(4) Dewatering Work Area**

Dewatering the isolated in-water Work area (between the upstream and downstream diversion dams) shall occur at a rate slow enough to allow the Contracting Agency to safely capture and relocate all fish species and other aquatic organisms to avoid stranding, as determined by the Engineer.

1  
2 All pumps used for dewatering shall have an intake covered with a fish screen, operated,  
3 and maintained in accordance with RCW 77.57.010 and RCW 77.57.070. Appropriate  
4 fish screens are as follows:

- 5  
6 1. Perforated plate: 0.094 inch (maximum opening diameter);  
7  
8 2. Profile bar: 0.069 inch (maximum width opening); or  
9  
10 3. Woven wire: 0.094 inch (maximum opening measured on the diagonal).  
11

12 The minimum open area for all types of fish screens is twenty-seven percent. The  
13 screened intake facility must have enough surface area to ensure that the velocity through  
14 the screen is less than 0.4 feet per second. The fish screen must remain in place  
15 whenever water is withdrawn until the Contracting Agency Biologists confirm all fish have  
16 been removed. At that point, the Contractor may remove the fish screen to finish  
17 dewatering the work area.  
18

19 **7-06.3(5) Inspection and Maintenance**

20 At a minimum, the Contractor shall perform the following activities once per day (including  
21 weekends and holidays):  
22

- 23 1. Check for and correct leaks;  
24  
25 2. Ensure the fish block nets remain sealed to the channel substrate.  
26

27 The fish block nets shall be kept clear of debris that could jeopardize the integrity of the  
28 nets. The Contractor shall perform the following activities a minimum of three times per  
29 day or when requested by the Engineer. On working days, these activities shall be  
30 performed at the start, middle, and at the end of the working day. On non-working days,  
31 these activities shall be performed between 6:00 am and 8:00 am, between 11:00 am and  
32 1:00 pm, and between 4:00 pm and 6:00 pm:  
33

- 34 1. Inspect the upstream and downstream fish block nets and remove debris;  
35  
36 2. Inspect the upstream fish block net and all screens and similar facilities for  
37 impinged fish;  
38  
39 a. The Contractor shall immediately notify the Contracting Agency when  
40 impinged fish are discovered.  
41  
42 b. Removal of impinged fish will be performed by the Contracting Agency.  
43

44 The Contractor shall maintain a written record of all inspection and maintenance activities;  
45 record to be available at the request of the Engineer.  
46

47 **7-06.3(6) Rewatering the Stream Channel**

48 The Contractor shall notify the Engineer a minimum of 7 calendar days in advance of  
49 rewatering the stream channel.  
50

51 The Contractor shall introduce water to the new stream channel section and trap  
52 sediments until the stream section meets the requirements of these Provisions.

1 Rewatering shall occur at a rate to avoid loss of surface water downstream while the new  
2 channel section is rewatered.

3

4 **7-06.3(7) Removal of the Temporary Stream Diversion**

5 The Contractor shall notify the Engineer two business days in advance of beginning the  
6 temporary stream diversion removal sequence.

7

8 Once the water in the new stream channel will meet the applicable turbidity standards the  
9 Contractor may begin removal of the temporary stream diversion and the stream channel  
10 opened to flows.

11

12 The Contractor shall immediately take all corrective actions necessary to prevent the  
13 water from exceeding the turbidity standards should the stream turbidity increase. All  
14 Work within the channel, except for removal of the temporary erosion control items, shall  
15 be completed before the temporary stream diversion is removed. The Contractor must  
16 finish all construction activities within the limits of the Ordinary High Water Line, including  
17 but not limited to culvert installation and creek bed channel restoration, before the  
18 Contracting Agency will remove the fish block nets.

19

20 All materials used for the diversion shall become the property of the Contractor and  
21 removed from the project limits, with the exception of any materials supplied by the  
22 Contracting Agency, unless otherwise specified by the Engineer.

23

24 **7-06.4 Vacant**

25

26 **7-06.5 Payment**

27 Payment will be made for the following Bid items when included in the proposal:

28

29 "Temporary Stream Diversion", lump sum.

30 The lump sum Contract price for "Temporary Stream Diversion" shall be full payment to  
31 perform the Work as specified. Progress payments for the lump sum item "Temporary  
32 Stream Diversion" will be made as follows:

33

34 1. Twenty-five percent of the bid amount will be paid following completion of the  
35 TSD Plan including resolution of all Contracting Agency review comments.

36

37 2. The remaining seventy-five percent of the bid amount shall be paid in  
38 accordance with Section 1-09.9.

39

40 "Fish Exclusion", by force account as provided in Section 1-09.6.

41

42 To provide a common Proposal for all Bidders, the Contracting Agency has entered an  
43 amount in the Proposal to become a part of the Contractor's total Bid.

44

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

46 **One Man Streambed Boulder**

47

48 **Description**

49 This work consists of furnishing and placing one man streambed boulder in accordance with the  
50 Plans and these Specifications.

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**Materials**

The Contractor shall furnish one man sized streambed boulder in accordance with the requirements described in Section 9-03.11(3).

**Construction Requirements**

The Contract shall place one man boulder per Plans or as directed by the Engineer.

**Measurement**

One man streambed boulder will be measured per each for the actual number of boulders used in the completed Work.

**Payment**

Payment will be made for the following Bid items when included in the proposal:

“Streambed Boulder One Man”, per each.

The Bid item price for “Streambed Boulder One Man” shall include all costs for the work required to install the one man streambed boulder.

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

**Streambed Sediment**

**Description**

This work consists of furnishing and placing streambed sediment in accordance with the Plans and these Specifications.

**Materials**

The Contractor shall furnish streambed sediment in accordance with requirements described in Section 9-03.11(1).

**Construction Requirements**

The Contractor shall place streambed sediment per Plans or as directed by the Engineer.

**Measurement**

Streambed sediment will be measured by the ton.

**Payment**

Payment will be made for the following Bid items when included in the proposal:  
“Streambed Sediment”, per ton.

1 (\*\*\*\*\*)  
2 **Dewatering**  
3

4 **Description**

5 The contractor shall construct, install, maintain and operate diversion piping and cofferdam,  
6 or other structures and equipment necessary to protect the work areas and upstream drainage  
7 system from flooding. Contractor is also responsible for diverting flows that may occur during  
8 the construction period. Drainage system flows shall be temporarily routed around work areas  
9 by gravity pipe so the work can be successfully accomplished.  
10

11 **Construction Requirements**

12 The Contractor shall drain or otherwise dewater all structural excavations to a minimum of 2'  
13 below subgrade elevation to allow construction to be performed under suitable subgrade soil  
14 conditions. Dewatering equipment shall be furnished to keep the excavation free of water  
15 continuously from the time excavation has begun until backfill is completed. Disposal of  
16 water shall be in a manner that will not harm or damage adjacent property or the  
17 downstream drainage system. The Contractor shall comply with local, State, and Federal  
18 laws and permit conditions regarding sedimentation and water quality control from  
19 dewatering water discharge. The dewatering shall be accomplished in a manner that  
20 prevents loss of fines and maintains the stability of the excavated slopes and the bottom of  
21 the excavation.

22 The Contractor shall submit to the Engineer a Water Diversion Plan and a Dewatering Plan  
23 for the method, installation and details of the systems the Contractor proposes to use. Both  
24 the Water Diversion Plan and the Dewatering Plan shall be prepared under the direct  
25 supervision of a Professional Engineer and Licensed Hydrogeologist, registered in the State  
26 of Washington and having at least 5 years of demonstrated experience in the design and  
27 operation of dewatering wells. Review by the Engineer of method, installation and operation  
28 and maintenance details submitted by the Contractor shall not in any way be considered to  
29 relieve the Contractor from full responsibility for errors therein or from the entire  
30 responsibility for complete and adequate performance of the system in controlling the water  
31 level in the excavated areas. The Contractor shall be solely responsible for proper  
32 installation, operation, protection, maintenance, and any failure of any component of the  
33 water diversion or dewatering system for the Contract. A standby pump of adequate capacity  
34 shall be available at the site for the entire period of the diversion operation. All dewatering  
35 activity and in-water work must comply with the requirements of the Hydraulic Project  
36 Approval included in Appendix B.

37

38 **Payment**

39 All costs for dewatering of trenches shall be considered incidental to the bid item "Temporary  
40 Stream Diversion" regardless of size.

41

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

## Streambed Mix

### Description

This work consists of furnishing and placing streambed mix in accordance with the Plans and these Specifications.

### Materials

Streambed mix shall meet the following requirements:

Approximate Size <sup>1</sup>	Percent Passing
20"	99-100
16"	70-90
12"	30-60
6"	10-20
3/4"	10 max.

<sup>1</sup>Approximate Size can be determined by taking the average dimension of the three axes of the rock, Length, Width, by use of the following calculation:

$$\frac{\text{Length} + \text{Width} + \text{Thickness}}{3} = \text{Approximate Size}$$

Length is the longest axis, width is the second longest axis, and thickness is the shortest axis.

The grading of the cobbles shall be determined by the Engineer by visual inspection of the load before it is dumped into place, or, if so ordered by the Engineer, by dumping individual loads on a flat surface and sorting and measuring the individual rocks contained in the load.

### Contractor Requirements

The Contractor shall place streambed mix per Plans or as directed by the Engineer.

### Measurement

Streambed mix will be measured by the ton.

### Payment

Payment will be made for the following Bid items when included in the proposal:

"Streambed Mix", per ton.

## 8-02 Roadside Restoration

### Construction Requirements

Section 8-02.3(2) is revised to read the following:

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

3. Plant Establishment Plan: This plan is required prior to the completion of Initial Planting; the Contractor shall submit a Type 2 Working Drawing.

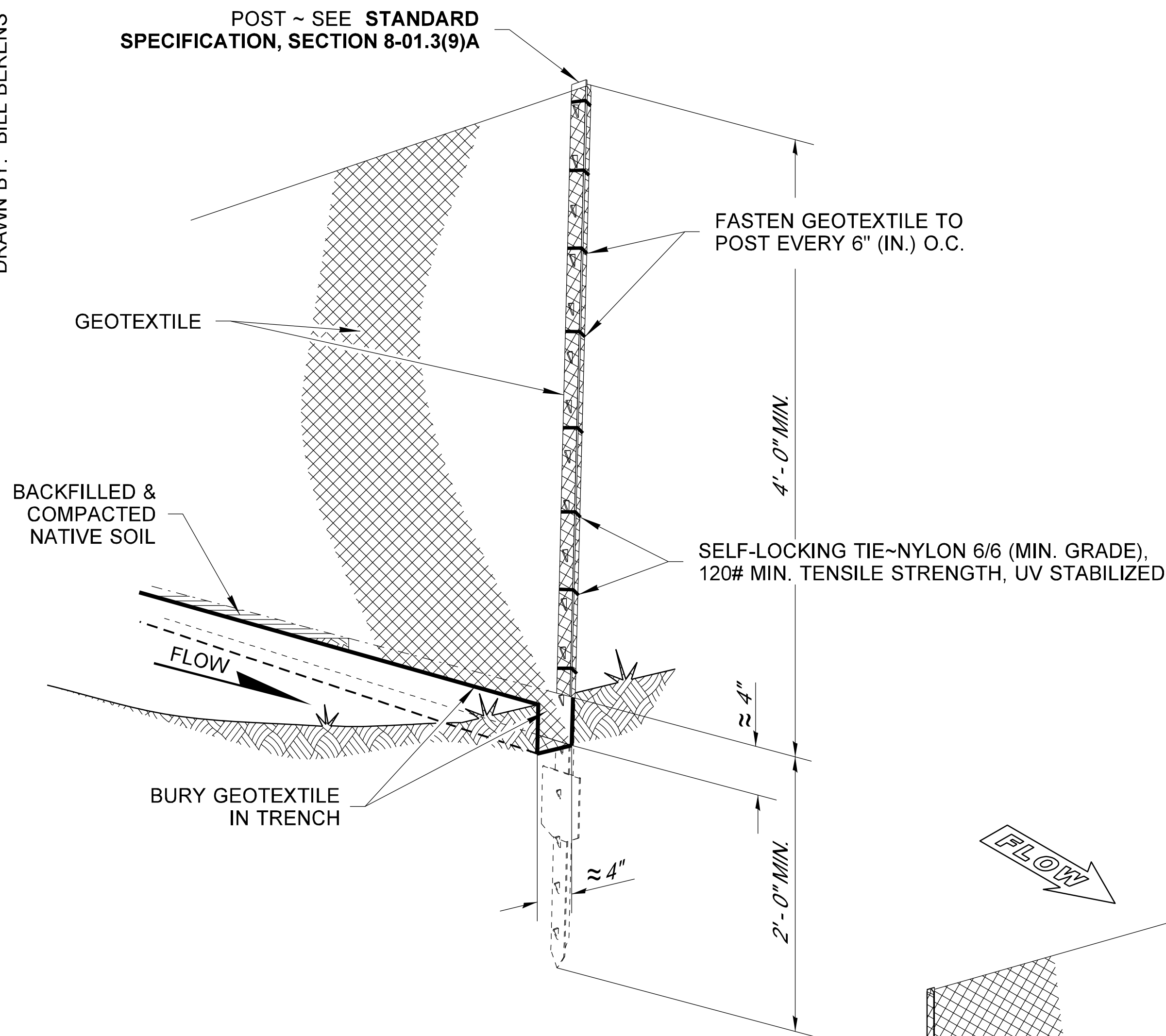
1 **Payment**  
2 Section 8-02.5 is supplemented with the following:  
3  
4 (\*\*\*\*\*)  
5 "Revegetation", per lump sum  
6  
7 The unit Contract price lump sum for "Revegetation" shall be full pay for all costs  
8 necessary to prepare, furnish, and complete the Work as per Plans and as designated  
9 by the Engineer.  
10  
11 **Payment**  
12 **(January 2, 2012 WSDOT GSP)**  
13 The following appendices are attached and made part of this contract:  
14  
15 \*\*\* APPENDIX A:  
16 Standard Plans  
17  
18 \*\*\* APPENDIX B:  
19 Washington State Prevailing Wage Rates  
20  
21 \*\*\* APPENDIX C:  
22 Construction Contract and Contract Bond – Informational Only  
23  
24 \*\*\* APPENDIX D:  
25 Proposal Forms - Informational Only  
26  
27 \*\*\* APPENDIX E:  
28 Permits  
29  
30 \*\*\* APPENDIX F:  
31 Vicinity Map and Plans  
32

# **APPENDIX A**

## **Standard Plans**

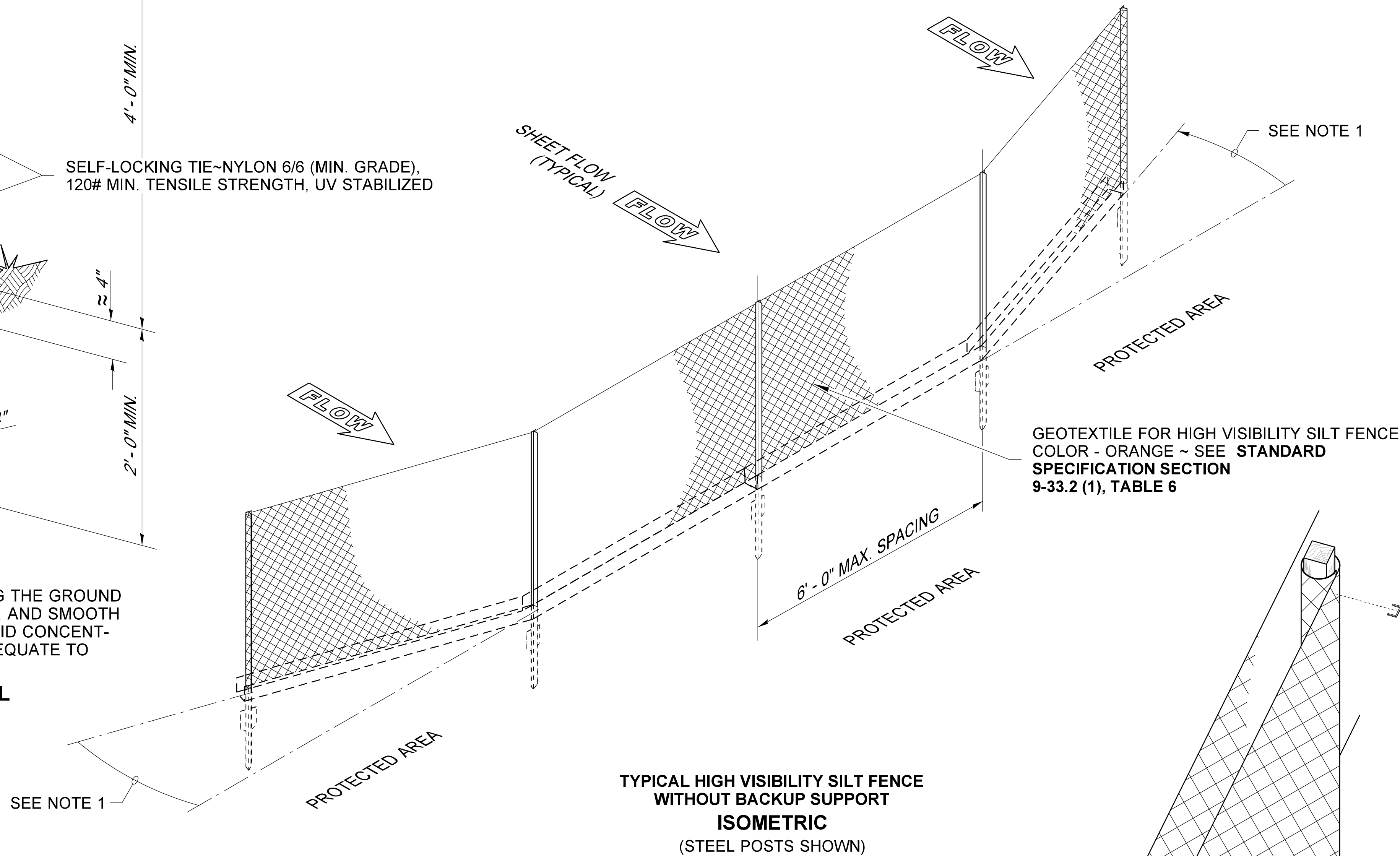


DRAWN BY: BILL BERENS

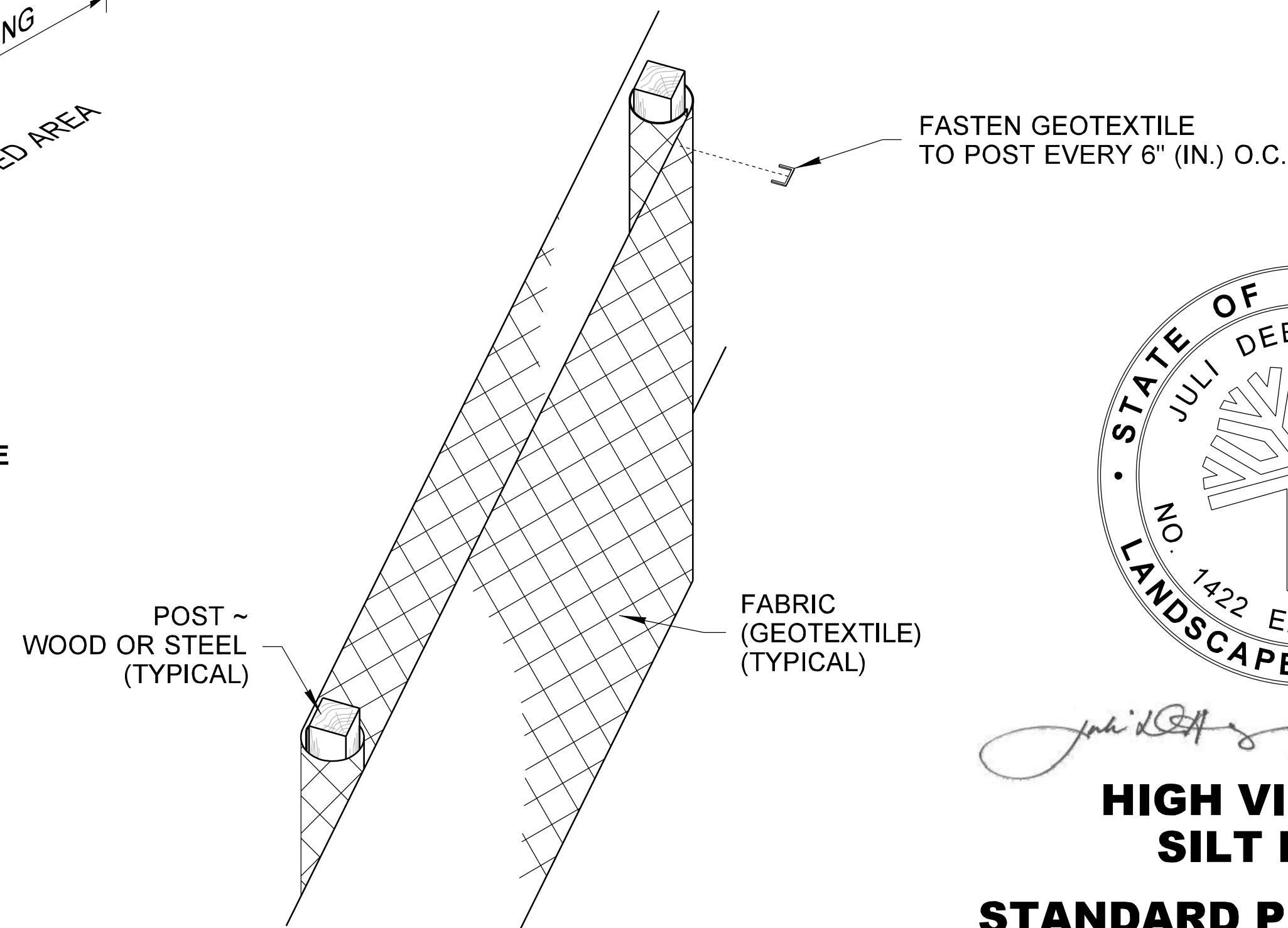


**NOTE**  
DURING EXCAVATION, MINIMIZE DISTURBING THE GROUND AROUND TRENCH AS MUCH AS IS FEASIBLE, AND SMOOTH SURFACE FOLLOWING EXCAVATION TO AVOID CONCENT-RATING FLOWS. COMPACTION MUST BE ADEQUATE TO PREVENT UNDERCUTTING FLOWS.

**TYPICAL INSTALLATION DETAIL**  
(STEEL POSTS SHOWN)



**TYPICAL HIGH VISIBILITY SILT FENCE WITHOUT BACKUP SUPPORT ISOMETRIC**  
(STEEL POSTS SHOWN)



SPLICED FENCE SECTIONS SHALL BE CLOSE ENOUGH TOGETHER TO PREVENT SILT LADEN WATER FROM ESCAPING THROUGH THE FENCE AT THE OVERLAP. JOINING SECTIONS SHALL NOT BE PLACED IN LOW SPOTS OR IN SUMP LOCATIONS.

**SPLICE DETAIL**  
(WOOD POSTS SHOWN)

**NOTES**

1. Angle Terminal end uphill 24" (in) to 48" (in) to prevent flow around fence (Typical).
2. Perform maintenance in accordance with **Standard Specification, Sections 8-01.3(9)A and 8-01.3(15)**.
3. Splices shall never be placed in low spots or sump locations. If splices are located in low or sump areas, the fence may need to be reinstalled unless the Project Engineer approves the installation.
4. Install silt fencing parallel to mapped contour lines.



*Juli Dee Hartwig*  
Hartwig, Juli  
Jun 4 2019 10:48 AM  
cosign

**HIGH VISIBILITY SILT FENCE**

**STANDARD PLAN I-30.17-01**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

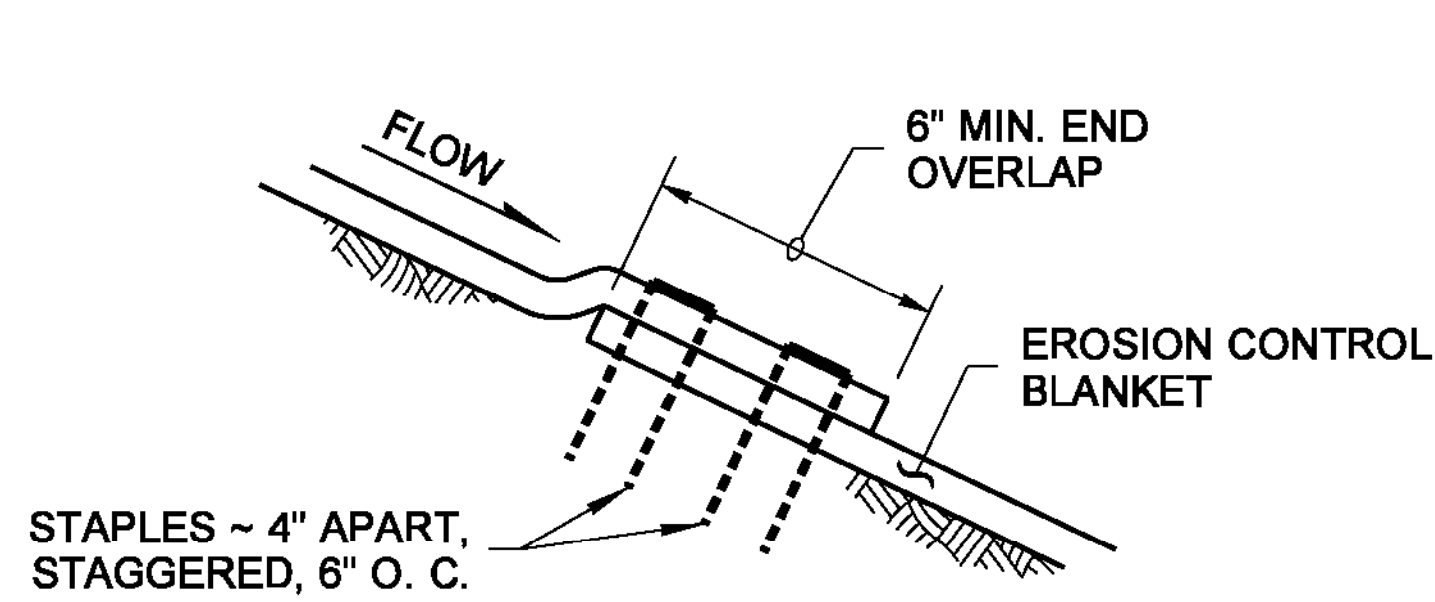
*Steve Roark*  
Roark, Steve  
Jun 12 2019 7:42 AM  
cosign

STATE DESIGN ENGINEER

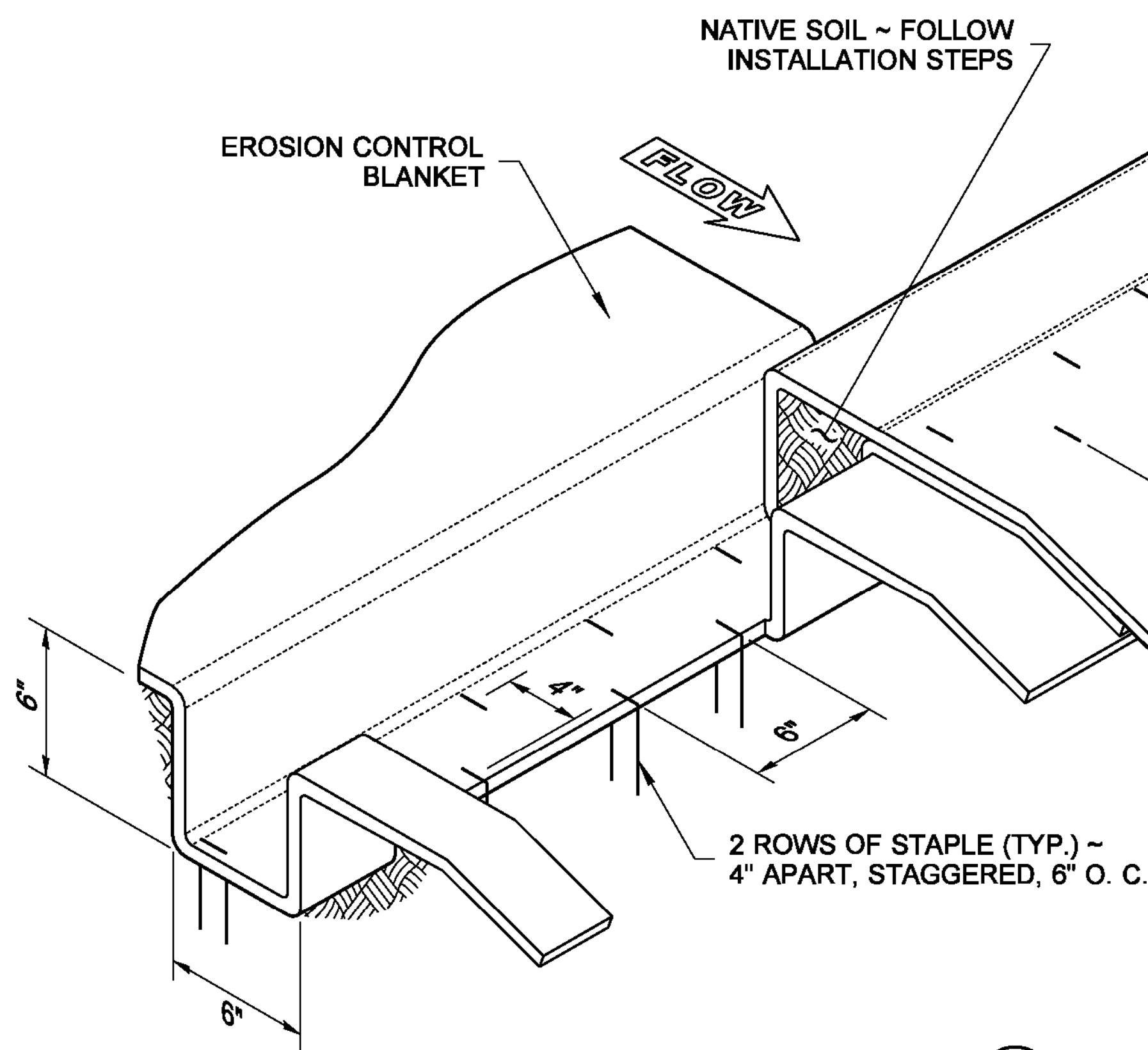


Washington State Department of Transportation

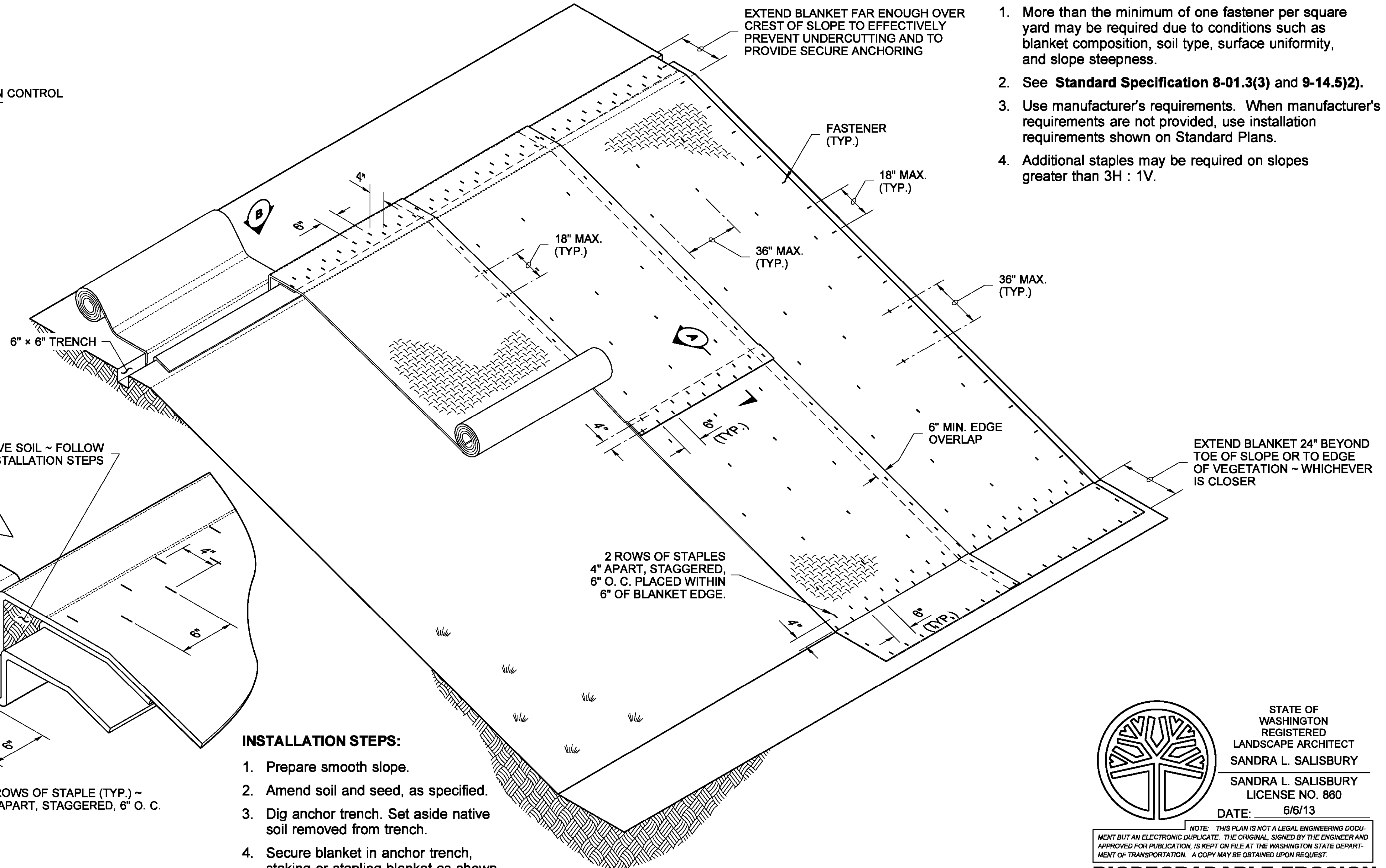
DRAWN BY: LISA CYFORD



SHINGLE SPLICE ~ SECTION **A**



INITIAL ANCHOR ~ DETAIL **B**



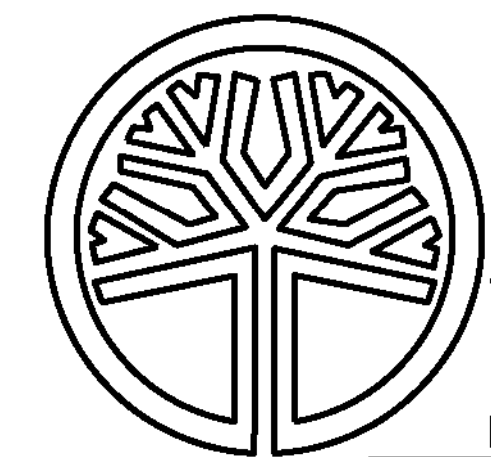
ISOMETRIC VIEW

**INSTALLATION STEPS:**

1. Prepare smooth slope.
2. Amend soil and seed, as specified.
3. Dig anchor trench. Set aside native soil removed from trench.
4. Secure blanket in anchor trench, staking or stapling blanket as shown.
5. Replace native soil previously removed from trench.
6. Roll blanket down the slope in a controlled manner, taking care to remove excess slack, and taking care not to stretch blanket.
7. Stake or staple blanket as shown so there are no gaps between the blanket and the soil. Staple while unrolling blanket to minimize walking on blanket.

**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) and 9-14.5(2)**.
3. Use manufacturer's requirements. When manufacturer's requirements are not provided, use installation requirements shown on Standard Plans.
4. Additional staples may be required on slopes greater than 3H : 1V.



STATE OF  
WASHINGTON  
REGISTERED  
LANDSCAPE ARCHITECT  
SANDRA L. SALISBURY  
SANDRA L. SALISBURY  
LICENSE NO. 860

DATE: 6/6/13

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.

**BIODEGRADABLE EROSION  
CONTROL BLANKET  
PLACEMENT FOR SLOPES  
STANDARD PLAN I-60.10-01**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

**Pasco Bakotich III** 6/10/13

STATE DESIGN ENGINEER

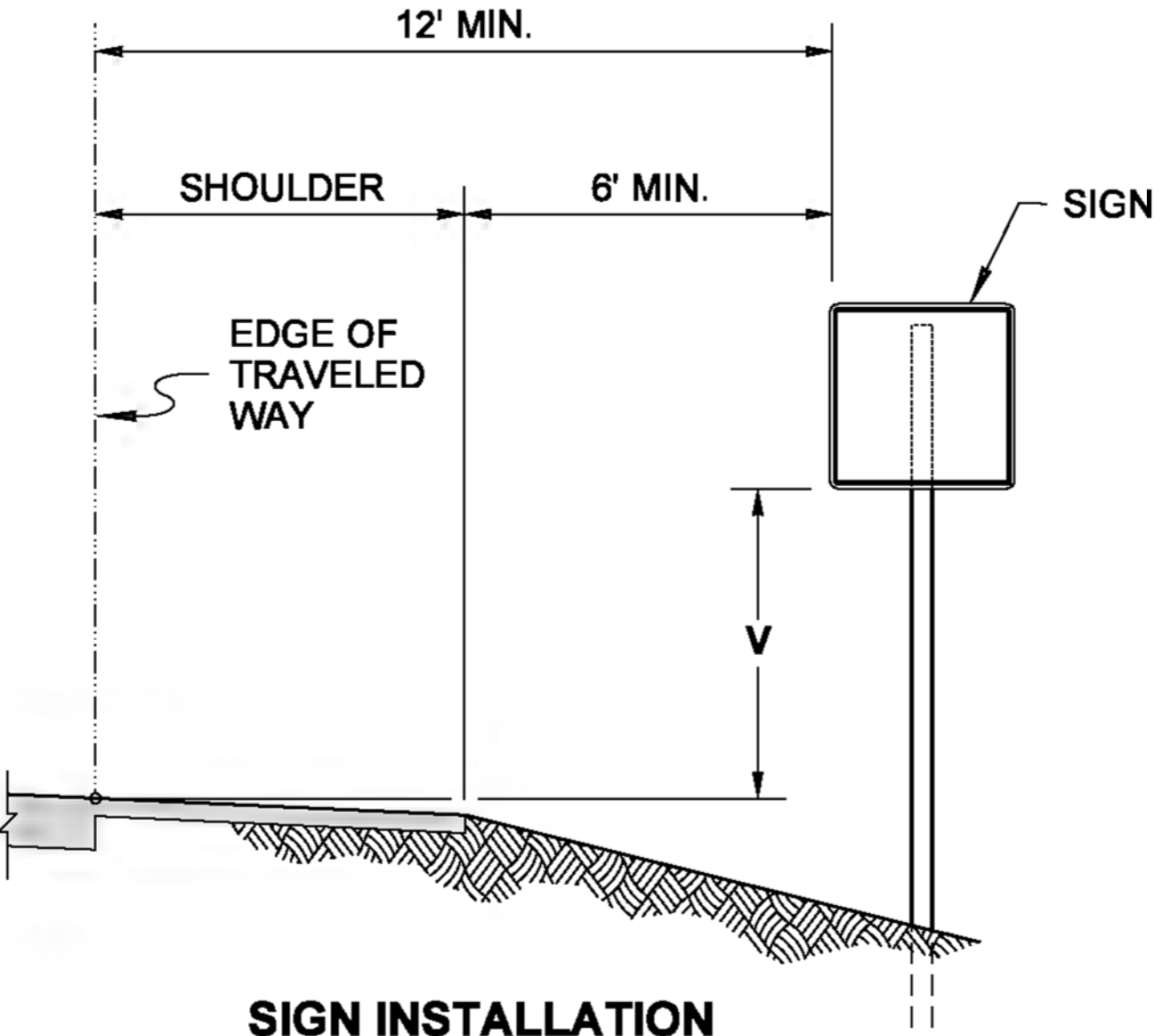
DATE



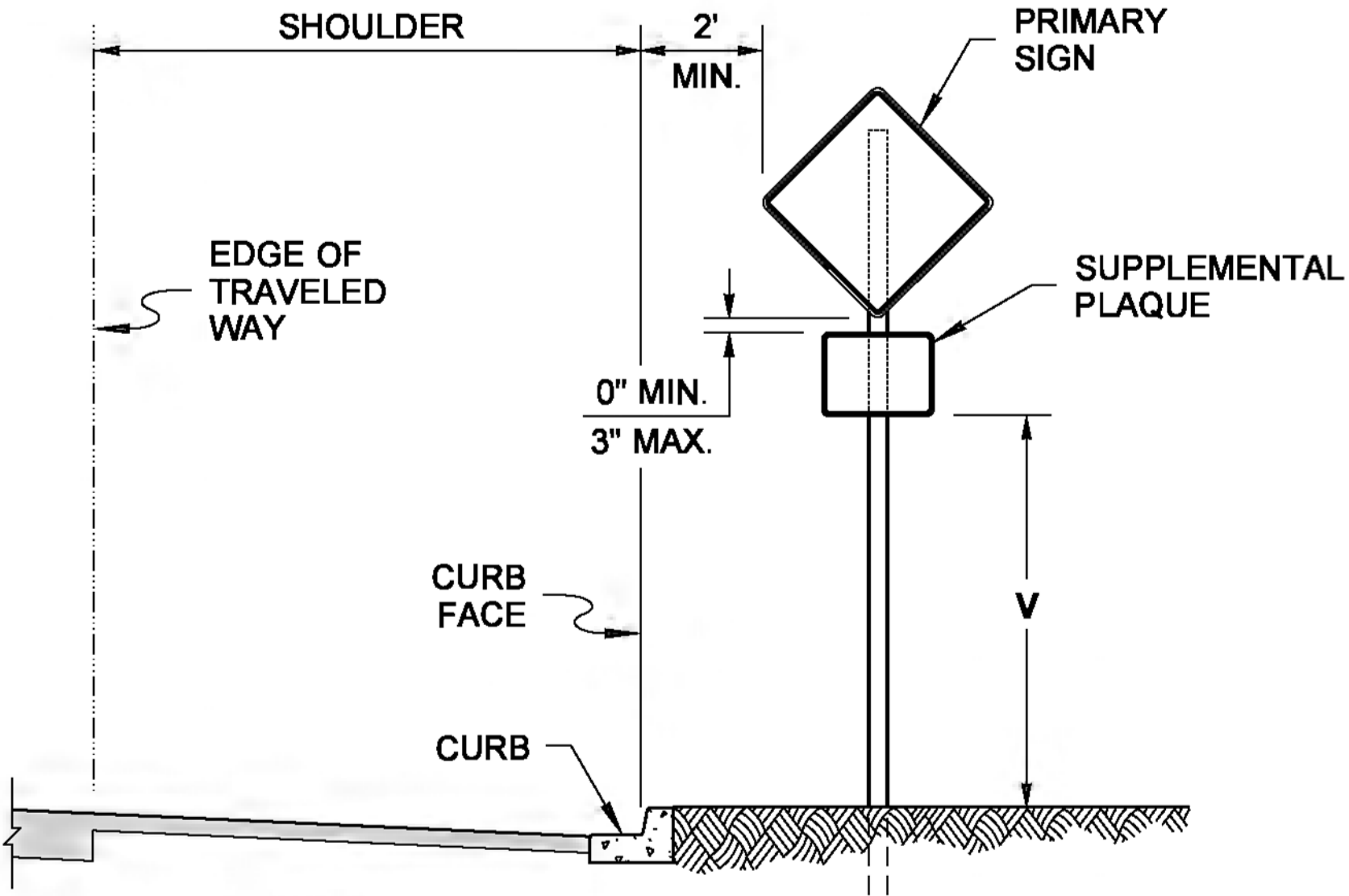
Washington State Department of Transportation



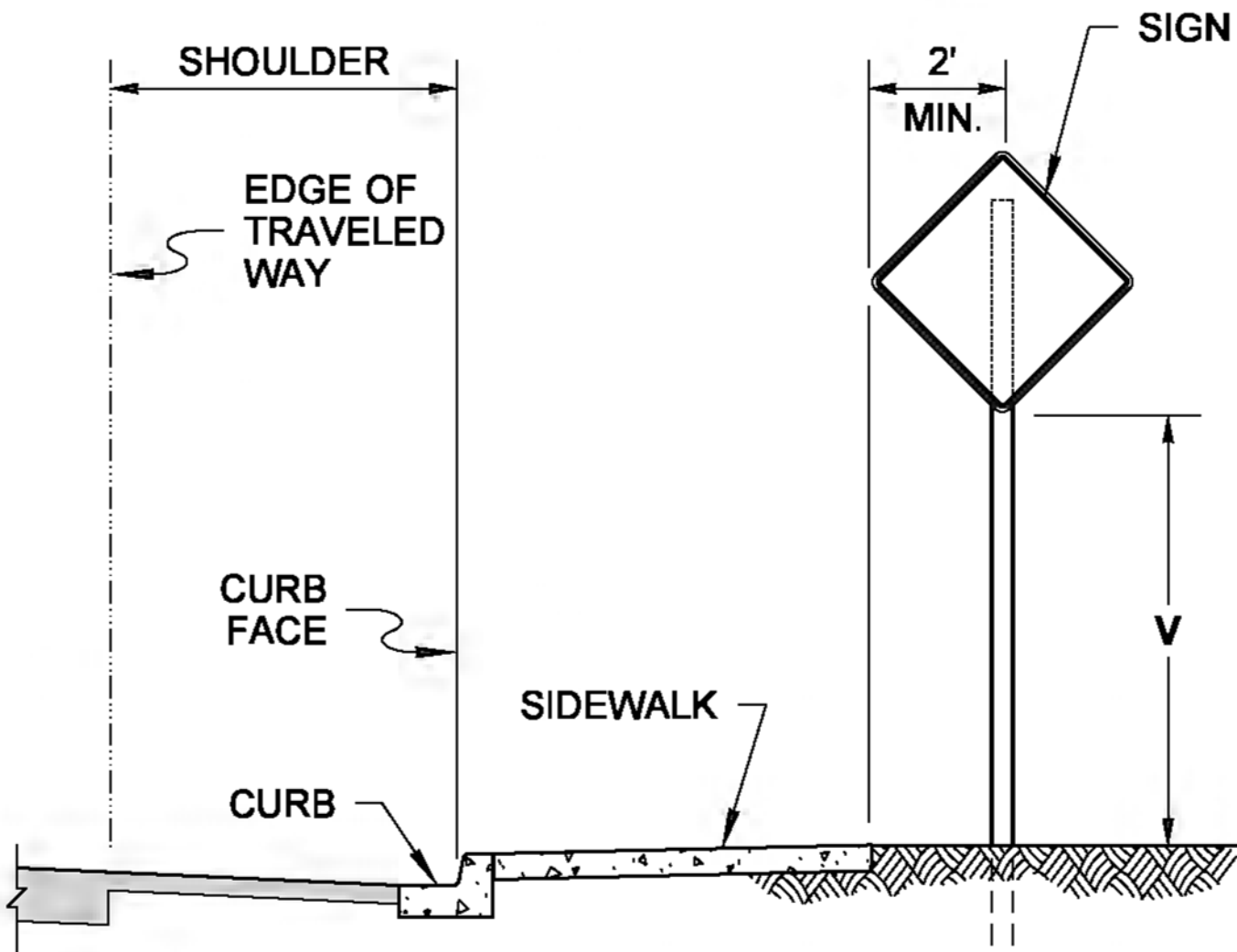
DRAWN BY: FERN LIDDELL



**SIGN INSTALLATION  
(FILL SECTION)**



**SIGN INSTALLATION  
(CURB SECTION)**

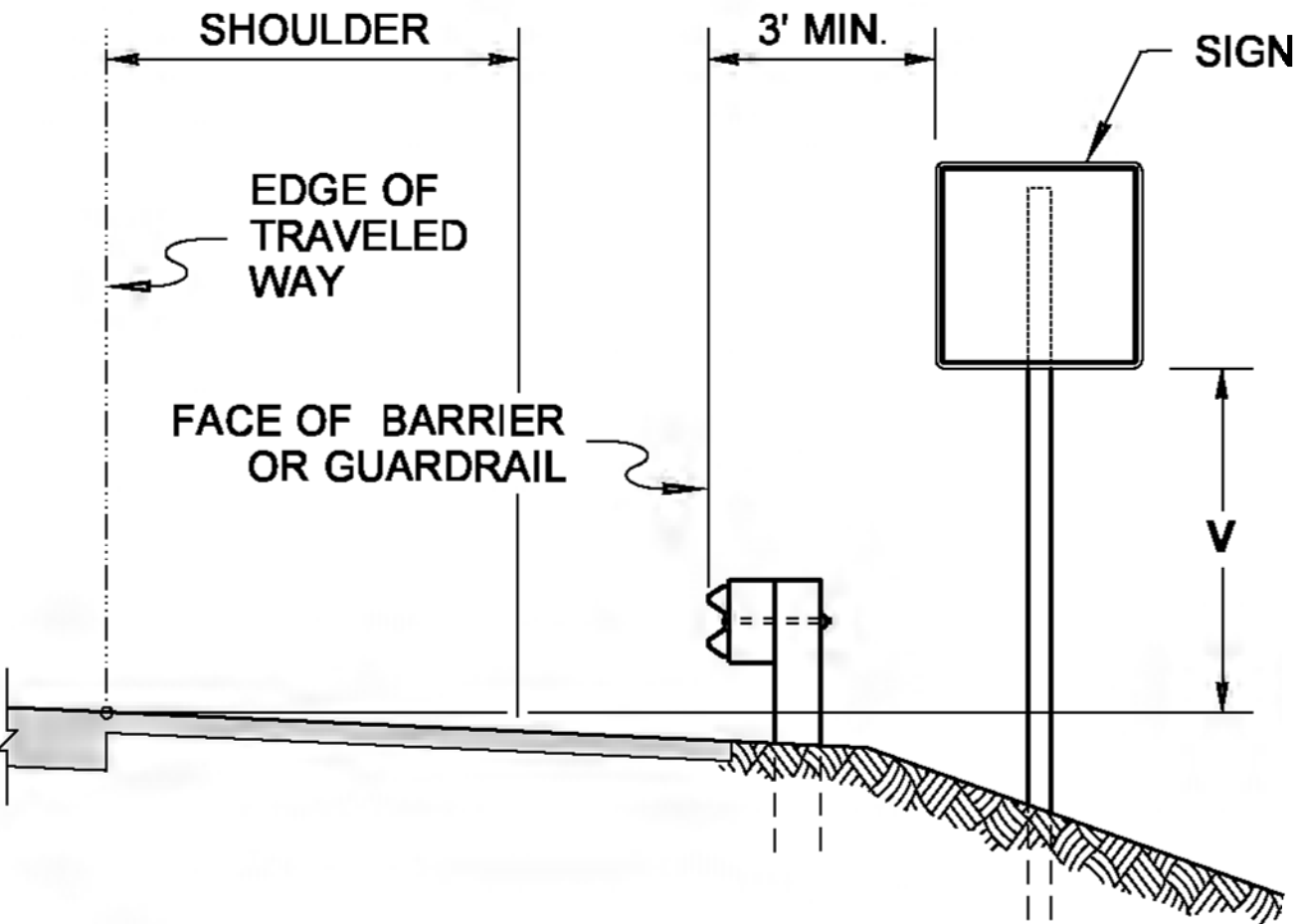


**SIGN INSTALLATION  
(SIDEWALK AND CURB SECTION)**

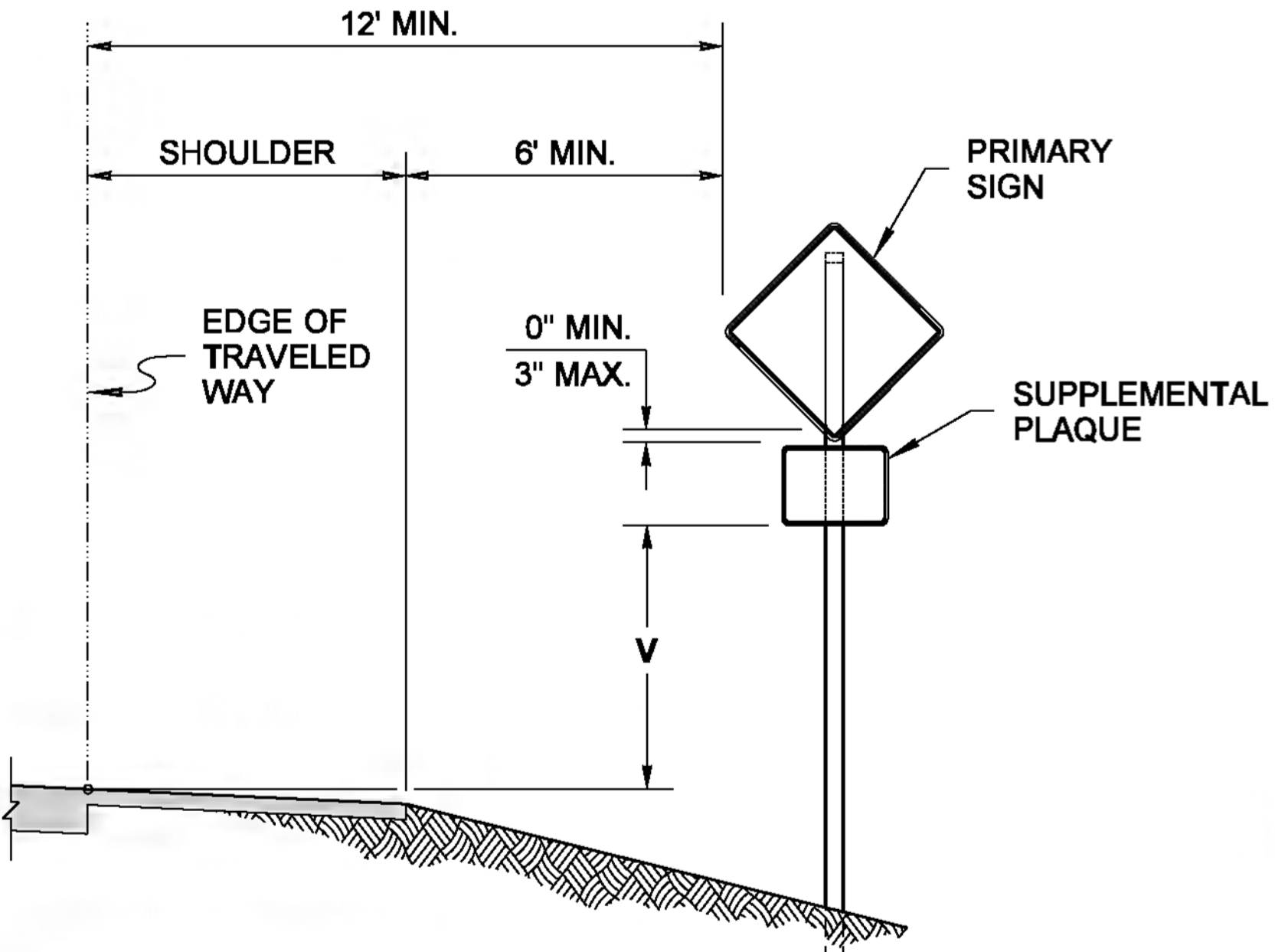
**NOTES**

1. For sign installation details, see **Standard Plan G - series**.
2. Where it is impractical to locate a sign with the lateral offset, a minimum of 2'(ft) offset may be used. A 1'(ft) lateral offset may be used in business, commercial or residential areas.
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.

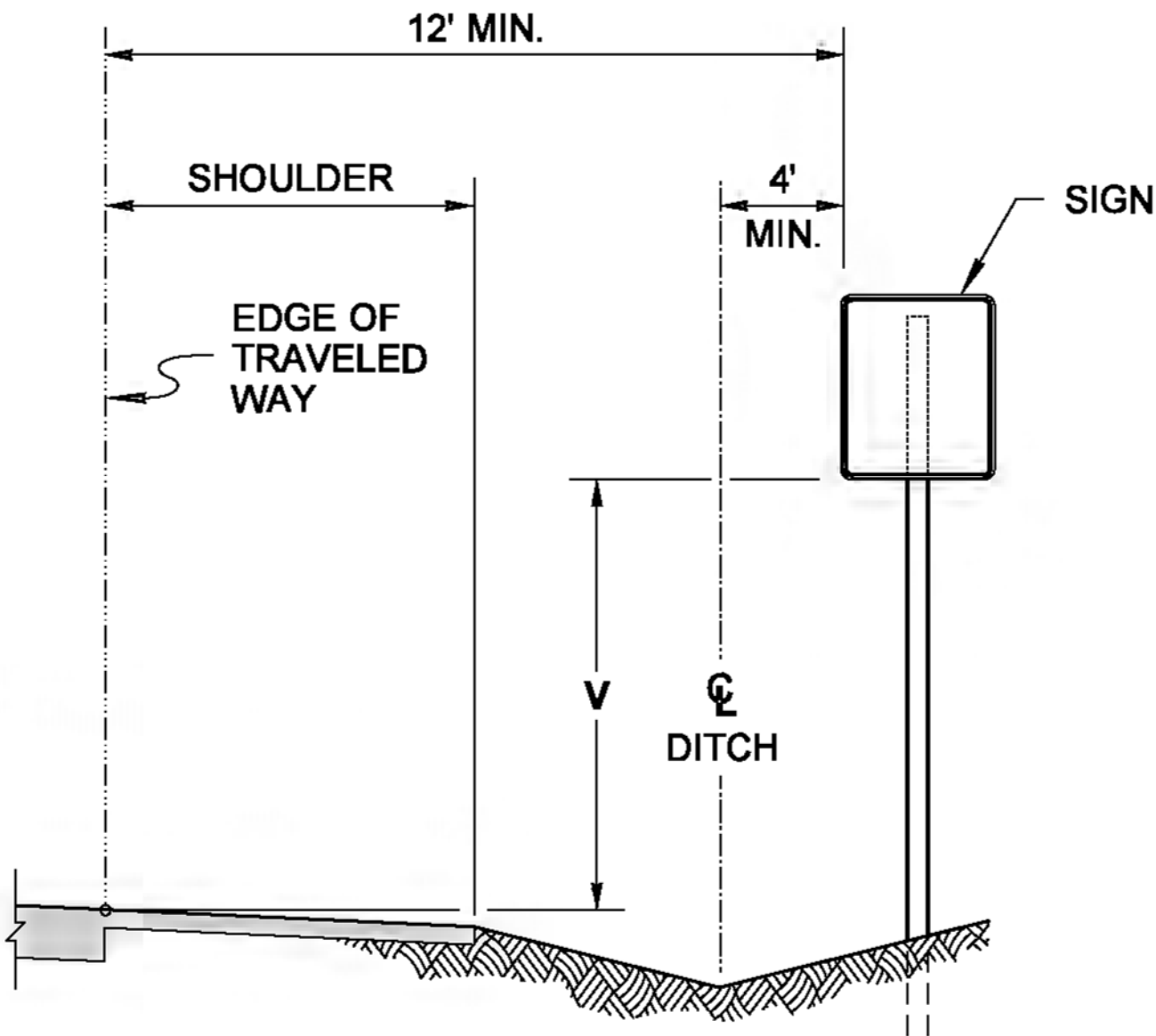
HEIGHT V		
	TO BOTTOM OF SIGN (NO SUPPLEMENTAL PLAQUE)	TO BOTTOM OF SUPPLEMENTAL PLAQUE (WHEN REQUIRED)
RURAL	5' MINIMUM	4' MINIMUM
URBAN	7' MINIMUM	6' MINIMUM



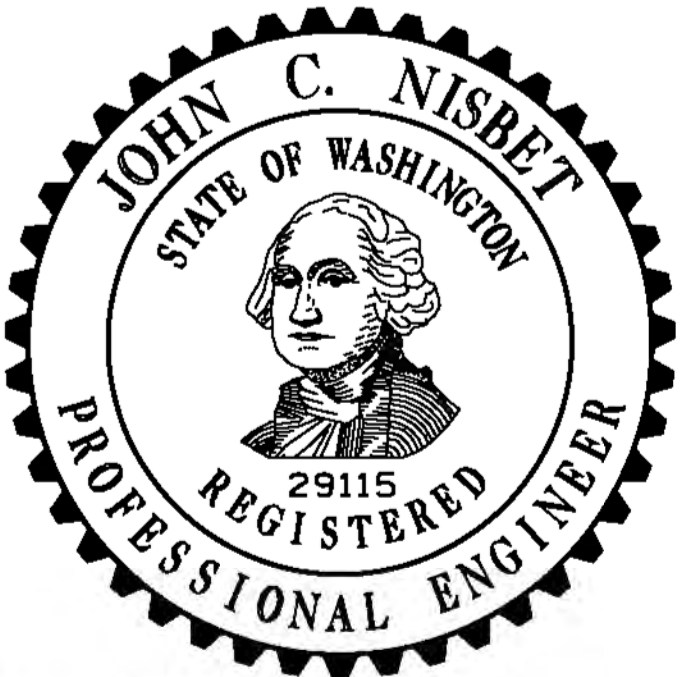
**SIGN INSTALLATION  
(BEHIND TRAFFIC BARRIER)**



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



**SIGN INSTALLATION  
(DITCH SECTION)**



Nisbet, John  
May 16 2016 9:57 AM

**CLASS A  
CONSTRUCTION SIGNING  
INSTALLATION  
STANDARD PLAN K-80.10-01**

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

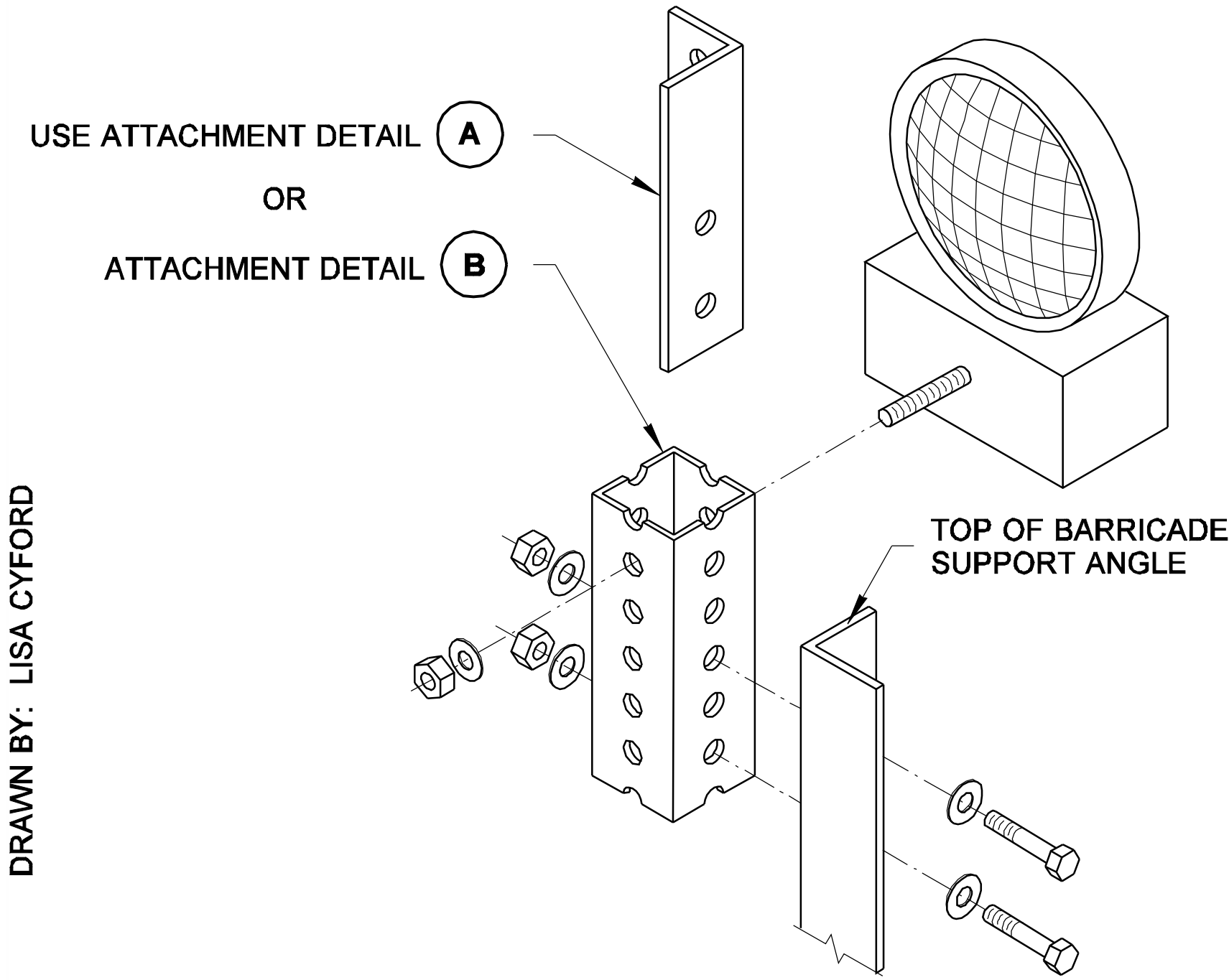
Carpenter, Jeff  
Jun 1 2016 4:20 PM

STATE DESIGN ENGINEER

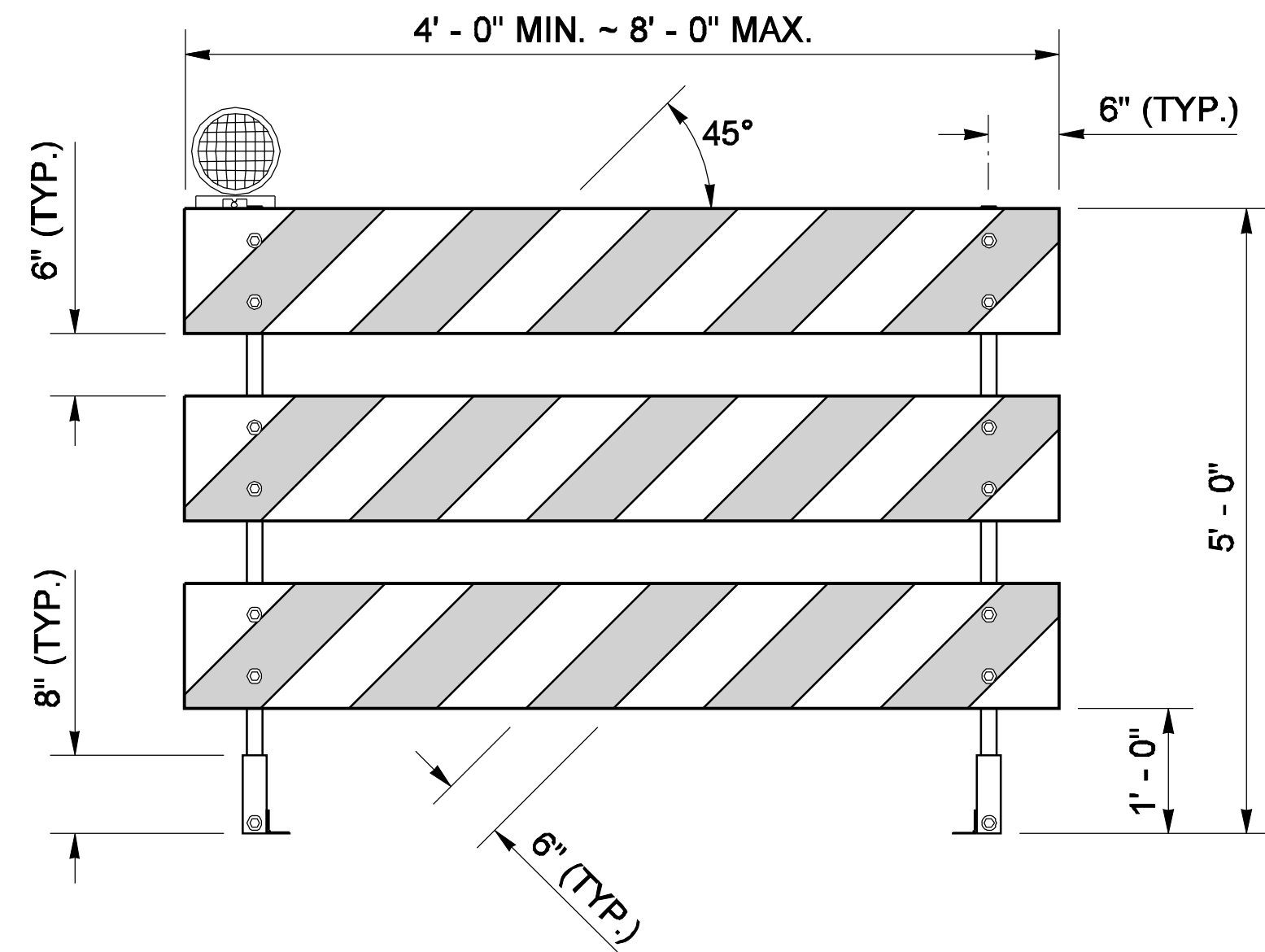
Washington State Department of Transportation



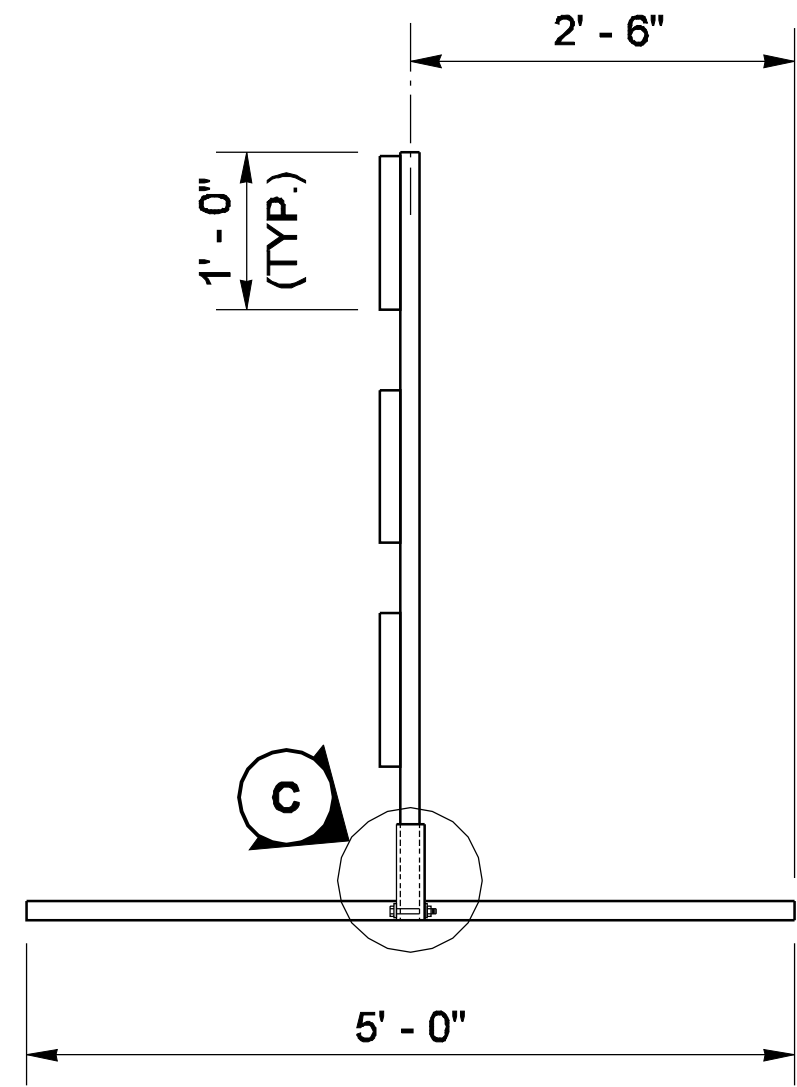
DRAWN BY: LISA CYFORD



WARNING LIGHT ATTACHMENT DETAIL



ELEVATION

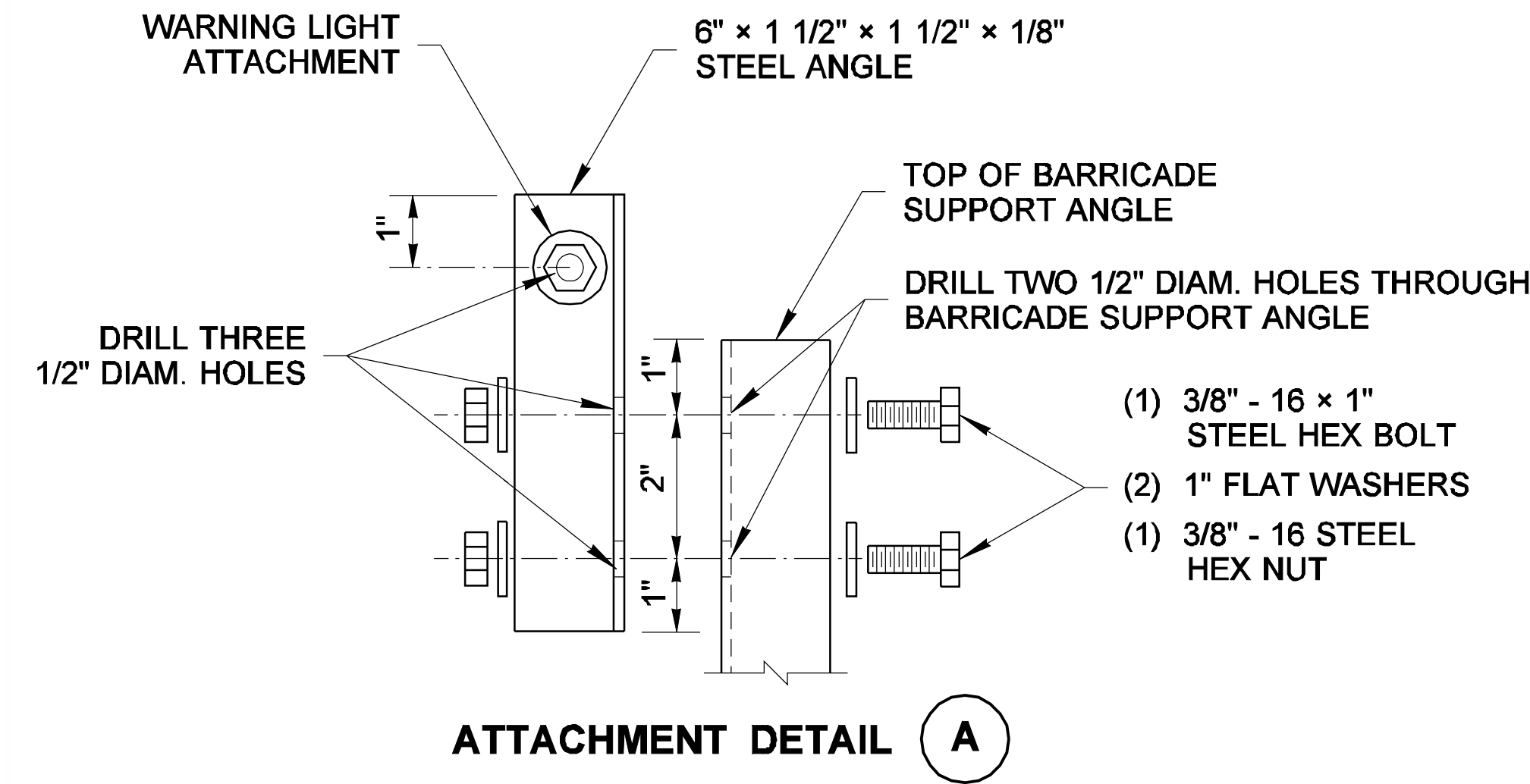


SIDE

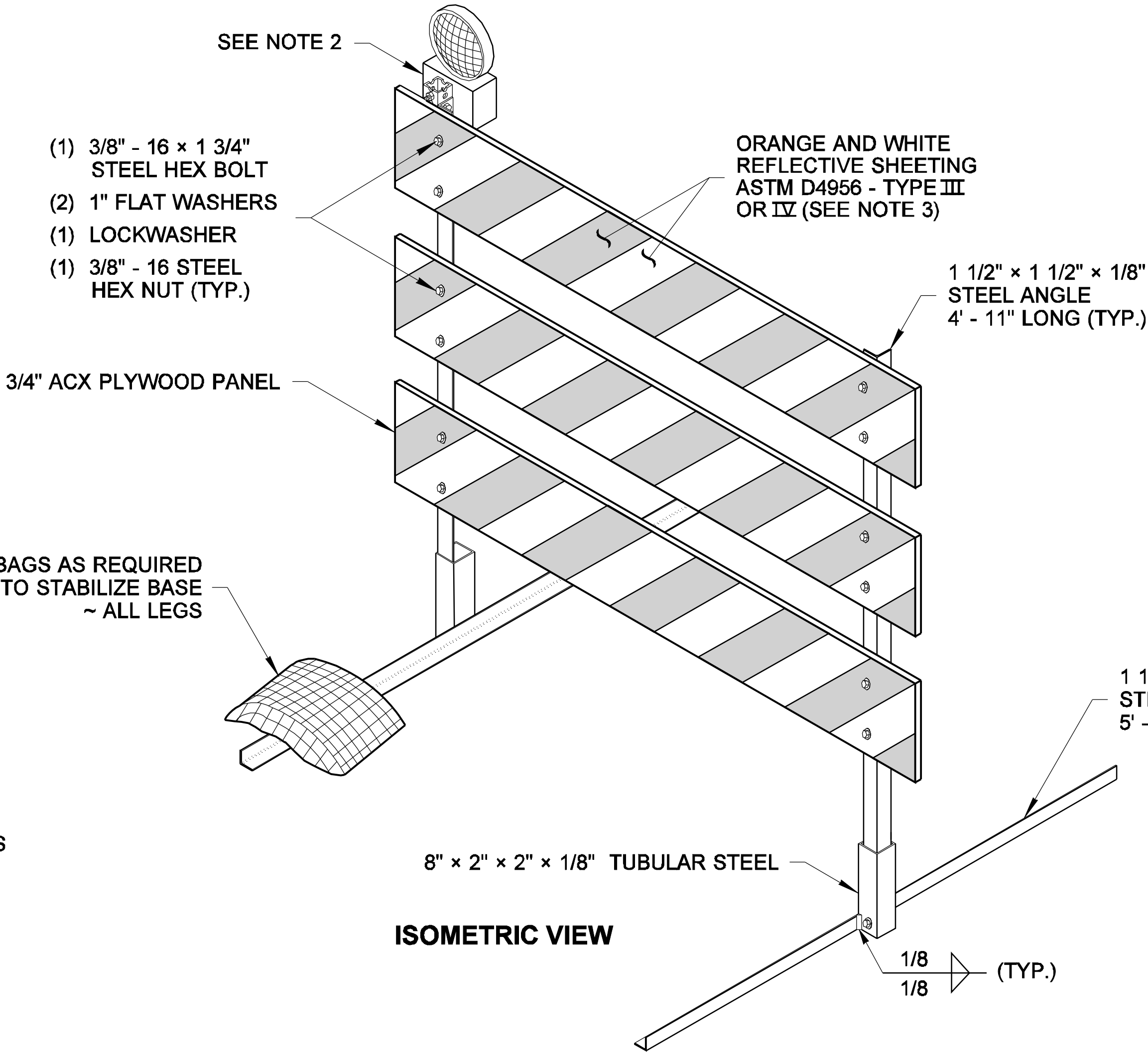
TYPE 3 BARRICADE

NOTES

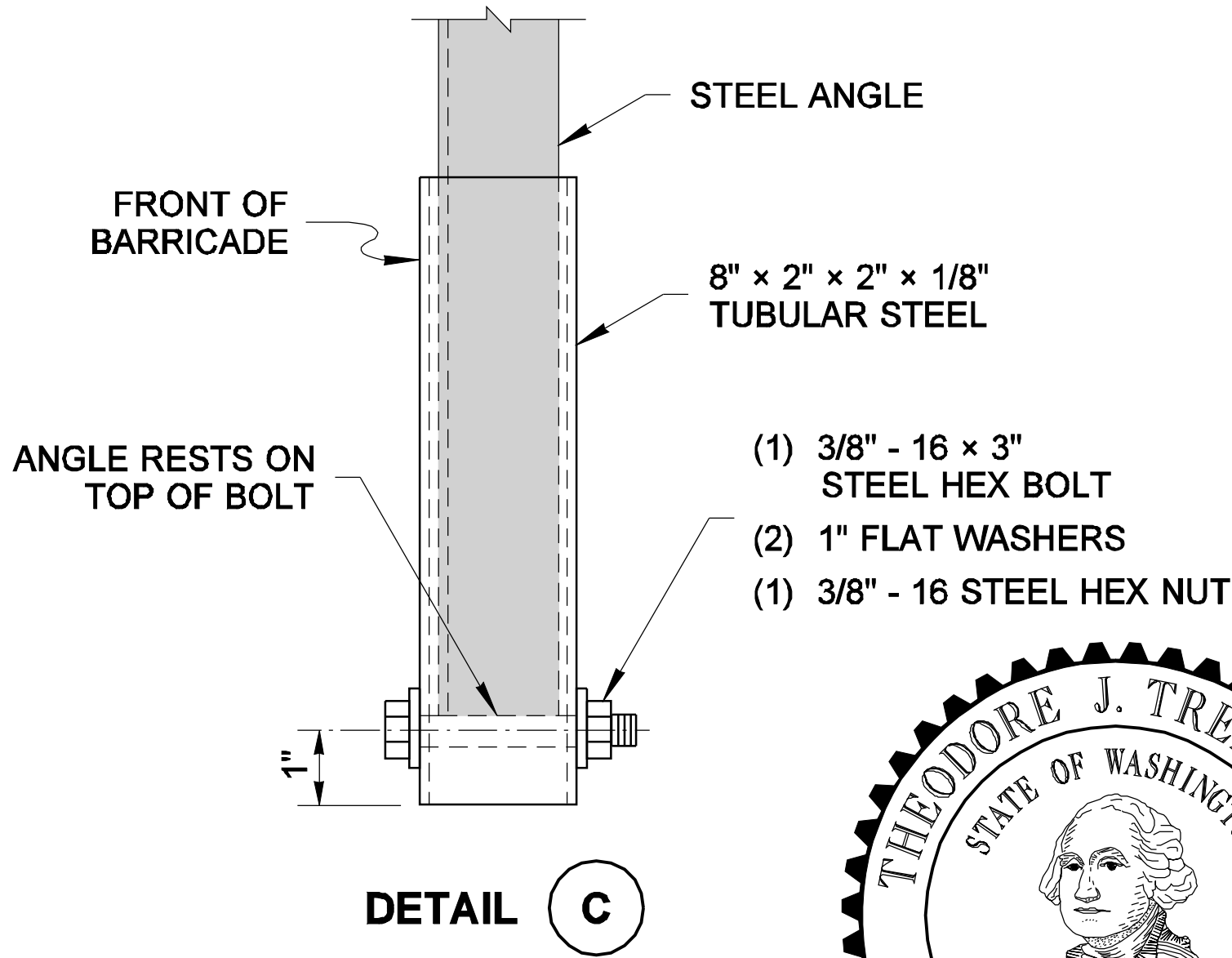
1. All fasteners may be zinc plated, galvanized or stainless steel. All steel angle and tubular steel shall be hot-rolled, high carbon steel, painted or galvanized.
2. Install one lightweight Type A Low-Intensity flashing warning light on the traffic side of the barricade. Install two Type A Low-Intensity 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.



ATTACHMENT DETAIL



ISOMETRIC VIEW



DETAIL



EXPIRES AUGUST 9, 2007

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

## **APPENDIX B**

### **Washington State Prevailing Wage Rates**

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

### Washington State Prevailing Wage

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

#### Journey Level Prevailing Wage Rates for the Effective Date: 07/20/2020

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>	<u>*Risk Class</u>
Skagit	<a href="#">Asbestos Abatement Workers</a>	Journey Level	\$50.86	<u>5D</u>	<u>1H</u>		<a href="#">View</a>
Skagit	<a href="#">Boilermakers</a>	Journey Level	\$69.29	<u>5N</u>	<u>1C</u>		<a href="#">View</a>
Skagit	<a href="#">Brick Mason</a>	Journey Level	\$58.82	<u>5A</u>	<u>1M</u>		<a href="#">View</a>
Skagit	<a href="#">Brick Mason</a>	Pointer-Caulker-Cleaner	\$58.82	<u>5A</u>	<u>1M</u>		<a href="#">View</a>
Skagit	<a href="#">Building Service Employees</a>	Janitor	\$13.50		<u>1</u>		<a href="#">View</a>
Skagit	<a href="#">Building Service Employees</a>	Shampooer	\$13.50		<u>1</u>		<a href="#">View</a>
Skagit	<a href="#">Building Service Employees</a>	Waxer	\$13.50		<u>1</u>		<a href="#">View</a>
Skagit	<a href="#">Building Service Employees</a>	Window Cleaner	\$13.50		<u>1</u>		<a href="#">View</a>
Skagit	<a href="#">Cabinet Makers (In Shop)</a>	Journey Level	\$18.85		<u>1</u>		<a href="#">View</a>
Skagit	<a href="#">Carpenters</a>	Acoustical Worker	\$62.44	<u>7A</u>	<u>4C</u>		<a href="#">View</a>
Skagit	<a href="#">Carpenters</a>	Carpenter	\$62.44	<u>7A</u>	<u>4C</u>		<a href="#">View</a>
Skagit	<a href="#">Carpenters</a>	Carpenters on Stationary Tools	\$62.57	<u>7A</u>	<u>4C</u>		<a href="#">View</a>
Skagit	<a href="#">Carpenters</a>	Creosoted Material	\$62.54	<u>7A</u>	<u>4C</u>		<a href="#">View</a>
Skagit	<a href="#">Carpenters</a>	Floor Finisher	\$62.44	<u>7A</u>	<u>4C</u>		<a href="#">View</a>
Skagit	<a href="#">Carpenters</a>	Floor Layer	\$62.44	<u>7A</u>	<u>4C</u>		<a href="#">View</a>
Skagit	<a href="#">Carpenters</a>	Scaffold Erector	\$62.44	<u>7A</u>	<u>4C</u>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Application of all Composition Mastic	\$62.97	<u>7A</u>	<u>4U</u>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Application of all Epoxy Material	\$62.47	<u>7A</u>	<u>4U</u>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Application of all Plastic Material	\$62.97	<u>7A</u>	<u>4U</u>		<a href="#">View</a>
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Skagit	<a href="#">Cement Masons</a>	Application of Underlayment	\$62.97	<u>7A</u>	<u>4U</u>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Building General	\$62.47	<u>7A</u>	<u>4U</u>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Composition or Kalman Floors	\$62.97	<u>7A</u>	<u>4U</u>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Concrete Paving	\$62.47	<u>7A</u>	<u>4U</u>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Curb & Gutter Machine	\$62.97	<u>7A</u>	<u>4U</u>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Curb & Gutter, Sidewalks	\$62.47	<u>7A</u>	<u>4U</u>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Curing Concrete	\$62.47	<u>7A</u>	<u>4U</u>		<a href="#">View</a>

Skagit	<a href="#">Cement Masons</a>	Finish Colored Concrete	\$62.97	<a href="#">7A</a>	<a href="#">4U</a>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Floor Grinding	\$62.97	<a href="#">7A</a>	<a href="#">4U</a>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Floor Grinding/Polisher	\$62.47	<a href="#">7A</a>	<a href="#">4U</a>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Green Concrete Saw, self-powered	\$62.97	<a href="#">7A</a>	<a href="#">4U</a>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Grouting of all Plates	\$62.47	<a href="#">7A</a>	<a href="#">4U</a>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Grouting of all Tilt-up Panels	\$62.47	<a href="#">7A</a>	<a href="#">4U</a>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Guniting Nozzleman	\$62.97	<a href="#">7A</a>	<a href="#">4U</a>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Hand Powered Grinder	\$62.97	<a href="#">7A</a>	<a href="#">4U</a>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Journey Level	\$62.47	<a href="#">7A</a>	<a href="#">4U</a>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Patching Concrete	\$62.47	<a href="#">7A</a>	<a href="#">4U</a>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Pneumatic Power Tools	\$62.97	<a href="#">7A</a>	<a href="#">4U</a>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Power Chipping & Brushing	\$62.97	<a href="#">7A</a>	<a href="#">4U</a>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Sand Blasting Architectural Finish	\$62.97	<a href="#">7A</a>	<a href="#">4U</a>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Screed & Rodding Machine	\$62.97	<a href="#">7A</a>	<a href="#">4U</a>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Spackling or Skim Coat Concrete	\$62.47	<a href="#">7A</a>	<a href="#">4U</a>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Troweling Machine Operator	\$62.97	<a href="#">7A</a>	<a href="#">4U</a>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Troweling Machine Operator on Colored Slabs	\$62.97	<a href="#">7A</a>	<a href="#">4U</a>		<a href="#">View</a>
Skagit	<a href="#">Cement Masons</a>	Tunnel Workers	\$62.97	<a href="#">7A</a>	<a href="#">4U</a>		<a href="#">View</a>
Skagit	<a href="#">Divers &amp; Tenders</a>	Bell/Vehicle or Submersible Operator (Not Under Pressure)	\$116.20	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Divers &amp; Tenders</a>	Dive Supervisor/Master	\$79.23	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Divers &amp; Tenders</a>	Diver	\$116.20	<a href="#">7A</a>	<a href="#">4C</a>	<a href="#">8V</a>	<a href="#">View</a>
Skagit	<a href="#">Divers &amp; Tenders</a>	Diver On Standby	\$74.23	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Divers &amp; Tenders</a>	Diver Tender	\$67.31	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Divers &amp; Tenders</a>	Manifold Operator	\$67.31	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Divers &amp; Tenders</a>	Manifold Operator Mixed Gas	\$72.31	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Divers &amp; Tenders</a>	Remote Operated Vehicle Operator/Technician	\$67.31	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Divers &amp; Tenders</a>	Remote Operated Vehicle Tender	\$62.69	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Dredge Workers</a>	Assistant Engineer	\$56.44	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Skagit	<a href="#">Dredge Workers</a>	Assistant Mate (Deckhand)	\$56.00	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Skagit	<a href="#">Dredge Workers</a>	Boatmen	\$56.44	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Skagit	<a href="#">Dredge Workers</a>	Engineer Welder	\$57.51	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Skagit	<a href="#">Dredge Workers</a>	Leverman, Hydraulic	\$58.67	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Skagit	<a href="#">Dredge Workers</a>	Mates	\$56.44	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Skagit	<a href="#">Dredge Workers</a>	Oiler	\$56.00	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Skagit	<a href="#">Drywall Applicator</a>	Journey Level	\$62.44	<a href="#">5D</a>	<a href="#">1H</a>		<a href="#">View</a>
Skagit	<a href="#">Drywall Tapers</a>	Journey Level	\$62.81	<a href="#">5P</a>	<a href="#">1E</a>		<a href="#">View</a>
Skagit	<a href="#">Electrical Fixture Maintenance Workers</a>	Journey Level	\$21.48		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Electricians - Inside</a>	Cable Splicer	\$75.42	<a href="#">7H</a>	<a href="#">1E</a>		<a href="#">View</a>
Skagit	<a href="#">Electricians - Inside</a>	Construction Stock Person	\$36.47	<a href="#">7H</a>	<a href="#">1D</a>		<a href="#">View</a>
Skagit	<a href="#">Electricians - Inside</a>	Journey Level	\$70.63	<a href="#">7H</a>	<a href="#">1E</a>		<a href="#">View</a>

Skagit	<a href="#">Electricians - Motor Shop</a>	Craftsman	\$15.37		<u>1</u>		<a href="#">View</a>
Skagit	<a href="#">Electricians - Motor Shop</a>	Journey Level	\$14.69		<u>1</u>		<a href="#">View</a>
Skagit	<a href="#">Electricians - Powerline Construction</a>	Cable Splicer	\$82.39	<u>5A</u>	<u>4D</u>		<a href="#">View</a>
Skagit	<a href="#">Electricians - Powerline Construction</a>	Certified Line Welder	\$75.64	<u>5A</u>	<u>4D</u>		<a href="#">View</a>
Skagit	<a href="#">Electricians - Powerline Construction</a>	Groundperson	\$49.17	<u>5A</u>	<u>4D</u>		<a href="#">View</a>
Skagit	<a href="#">Electricians - Powerline Construction</a>	Heavy Line Equipment Operator	\$75.64	<u>5A</u>	<u>4D</u>		<a href="#">View</a>
Skagit	<a href="#">Electricians - Powerline Construction</a>	Journey Level Lineperson	\$75.64	<u>5A</u>	<u>4D</u>		<a href="#">View</a>
Skagit	<a href="#">Electricians - Powerline Construction</a>	Line Equipment Operator	\$64.54	<u>5A</u>	<u>4D</u>		<a href="#">View</a>
Skagit	<a href="#">Electricians - Powerline Construction</a>	Meter Installer	\$49.17	<u>5A</u>	<u>4D</u>	<u>8W</u>	<a href="#">View</a>
Skagit	<a href="#">Electricians - Powerline Construction</a>	Pole Sprayer	\$75.64	<u>5A</u>	<u>4D</u>		<a href="#">View</a>
Skagit	<a href="#">Electricians - Powerline Construction</a>	Powderperson	\$56.49	<u>5A</u>	<u>4D</u>		<a href="#">View</a>
Skagit	<a href="#">Electronic Technicians</a>	Electronic Technicians Journey Level	\$45.23	<u>5B</u>	<u>1B</u>		<a href="#">View</a>
Skagit	<a href="#">Elevator Constructors</a>	Mechanic	\$97.31	<u>7D</u>	<u>4A</u>		<a href="#">View</a>
Skagit	<a href="#">Elevator Constructors</a>	Mechanic In Charge	\$105.06	<u>7D</u>	<u>4A</u>		<a href="#">View</a>
Skagit	<a href="#">Fabricated Precast Concrete Products</a>	Journey Level	\$13.50		<u>1</u>		<a href="#">View</a>
Skagit	<a href="#">Fabricated Precast Concrete Products</a>	Journey Level - In-Factory Work Only	\$13.50		<u>1</u>		<a href="#">View</a>
Skagit	<a href="#">Fence Erectors</a>	Fence Erector	\$43.11	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Fence Erectors</a>	Fence Laborer	\$43.11	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Flaggers</a>	Journey Level	\$43.11	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Glaziers</a>	Journey Level	\$66.51	<u>7L</u>	<u>1Y</u>		<a href="#">View</a>
Skagit	<a href="#">Heat &amp; Frost Insulators And Asbestos Workers</a>	Journeyman	\$76.61	<u>5J</u>	<u>4H</u>		<a href="#">View</a>
Skagit	<a href="#">Heating Equipment Mechanics</a>	Mechanic	\$75.25	<u>7F</u>	<u>1E</u>		<a href="#">View</a>
Skagit	<a href="#">Hod Carriers &amp; Mason Tenders</a>	Journey Level	\$52.44	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Industrial Power Vacuum Cleaner</a>	Journey Level	\$13.50		<u>1</u>		<a href="#">View</a>
Skagit	<a href="#">Inland Boatmen</a>	Boat Operator	\$61.41	<u>5B</u>	<u>1K</u>		<a href="#">View</a>
Skagit	<a href="#">Inland Boatmen</a>	Cook	\$56.48	<u>5B</u>	<u>1K</u>		<a href="#">View</a>
Skagit	<a href="#">Inland Boatmen</a>	Deckhand	\$57.48	<u>5B</u>	<u>1K</u>		<a href="#">View</a>
Skagit	<a href="#">Inland Boatmen</a>	Deckhand Engineer	\$58.81	<u>5B</u>	<u>1K</u>		<a href="#">View</a>
Skagit	<a href="#">Inland Boatmen</a>	Launch Operator	\$58.89	<u>5B</u>	<u>1K</u>		<a href="#">View</a>
Skagit	<a href="#">Inland Boatmen</a>	Mate	\$57.31	<u>5B</u>	<u>1K</u>		<a href="#">View</a>
Skagit	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Cleaner Operator, Foamer Operator	\$13.50		<u>1</u>		<a href="#">View</a>
Skagit	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Grout Truck Operator	\$13.50		<u>1</u>		<a href="#">View</a>
Skagit	<a href="#">Inspection/Cleaning/Sealing Of</a>	Head Operator	\$13.50		<u>1</u>		<a href="#">View</a>



	<a href="#">Sewer &amp; Water Systems By Remote Control</a>						
Skagit	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Technician	\$13.50		<u>1</u>		<a href="#">View</a>
Skagit	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Tv Truck Operator	\$13.50		<u>1</u>		<a href="#">View</a>
Skagit	<a href="#">Insulation Applicators</a>	Journey Level	\$62.44	<u>7A</u>	<u>4C</u>		<a href="#">View</a>
Skagit	<a href="#">Ironworkers</a>	Journeyman	\$73.73	<u>7N</u>	<u>10</u>		<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Air, Gas Or Electric Vibrating Screed	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Airtrac Drill Operator	\$52.44	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Ballast Regular Machine	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Batch Weighman	\$43.11	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Brick Pavers	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Brush Cutter	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Brush Hog Feeder	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Burner	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Caisson Worker	\$52.44	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Carpenter Tender	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Cement Dumper-paving	\$51.80	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Cement Finisher Tender	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Change House Or Dry Shack	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Chipping Gun (30 Lbs. And Over)	\$51.80	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Chipping Gun (Under 30 Lbs.)	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Choker Setter	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Chuck Tender	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Clary Power Spreader	\$51.80	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Clean-up Laborer	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Concrete Dumper/Chute Operator	\$51.80	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Concrete Form Stripper	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Concrete Placement Crew	\$51.80	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Concrete Saw Operator/Core Driller	\$51.80	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Crusher Feeder	\$43.11	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Curing Laborer	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Demolition: Wrecking & Moving (Incl. Charred Material)	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Ditch Digger	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Diver	\$52.44	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Drill Operator (Hydraulic, Diamond)	\$51.80	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Dry Stack Walls	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Dump Person	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Epoxy Technician	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Erosion Control Worker	\$50.86	<u>7A</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>

Skagit	<a href="#">Laborers</a>	Faller & Bucker Chain Saw	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Fine Graders	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Firewatch	\$43.11	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Form Setter	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Gabian Basket Builders	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	General Laborer	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Grade Checker & Transit Person	\$52.44	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Grinders	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Grout Machine Tender	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Groutmen (Pressure) Including Post Tension Beams	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Guardrail Erector	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Hazardous Waste Worker (Level A)	\$52.44	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Hazardous Waste Worker (Level B)	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Hazardous Waste Worker (Level C)	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	High Scaler	\$52.44	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Jackhammer	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Laserbeam Operator	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Maintenance Person	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Manhole Builder-Mudman	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Material Yard Person	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Motorman-Dinky Locomotive	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Nozzleman (Concrete Pump, Green Cutter When Using Combination Of High Pressure Air & Water On Concrete & Rock, Sandblast, Gunite, Shotcrete, Water Blaster, Vacuum Blaster)	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Pavement Breaker	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Pilot Car	\$43.11	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Pipe Layer Lead	\$52.44	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Pipe Layer/Tailor	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Pipe Pot Tender	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Pipe Reliner	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Pipe Wrapper	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Pot Tender	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Powderman	\$52.44	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Powderman's Helper	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Power Jacks	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Railroad Spike Puller - Power	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Raker - Asphalt	\$52.44	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Re-timberman	\$52.44	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Remote Equipment Operator	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Rigger/Signal Person	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Rip Rap Person	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>

Skagit	<a href="#">Laborers</a>	Rivet Buster	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Rodder	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Scaffold Erector	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Scale Person	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Sloper (Over 20")	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Sloper Sprayer	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Spreader (Concrete)	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Stake Hopper	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Stock Piler	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Swinging Stage/Boatswain Chair	\$43.11	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Tamper & Similar Electric, Air & Gas Operated Tools	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Tamper (Multiple & Self-propelled)	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Timber Person - Sewer (Lagger, Shorer & Cribber)	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Toolroom Person (at Jobsite)	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Topper	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Track Laborer	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Track Liner (Power)	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Traffic Control Laborer	\$46.10	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">9C</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Traffic Control Supervisor	\$48.84	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">9C</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Truck Spotter	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Tugger Operator	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 0-30 psi	\$120.61	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">9B</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	\$125.64	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">9B</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	\$129.32	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">9B</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	\$135.02	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">9B</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	\$137.14	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">9B</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	\$142.24	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">9B</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	\$144.14	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">9B</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	\$146.14	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">9B</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	\$148.14	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">9B</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Tunnel Work-Guage and Lock Tender	\$52.54	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Tunnel Work-Miner	\$52.54	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Vibrator	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Vinyl Seamer	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Watchman	\$39.18	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Welder	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>

Skagit	<a href="#">Laborers</a>	Well Point Laborer	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers</a>	Window Washer/Cleaner	\$39.18	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers - Underground Sewer &amp; Water</a>	General Laborer & Topman	\$50.86	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Laborers - Underground Sewer &amp; Water</a>	Pipe Layer	\$51.80	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Landscape Construction</a>	Landscape Construction/Landscaping Or Planting Laborers	\$39.18	<a href="#">7A</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Skagit	<a href="#">Landscape Construction</a>	Landscape Operator	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Landscape Maintenance</a>	Groundskeeper	\$14.18		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Lathers</a>	Journey Level	\$62.44	<a href="#">5D</a>	<a href="#">1H</a>		<a href="#">View</a>
Skagit	<a href="#">Marble Setters</a>	Journey Level	\$58.82	<a href="#">5A</a>	<a href="#">1M</a>		<a href="#">View</a>
Skagit	<a href="#">Metal Fabrication (In Shop)</a>	Fitter	\$15.16		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Metal Fabrication (In Shop)</a>	Laborer	\$13.50		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Metal Fabrication (In Shop)</a>	Machine Operator	\$13.50		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Metal Fabrication (In Shop)</a>	Painter	\$13.50		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Metal Fabrication (In Shop)</a>	Welder	\$15.16		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Millwright</a>	Journey Level	\$63.94	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Modular Buildings</a>	Journey Level	\$13.50		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Painters</a>	Journey Level	\$43.40	<a href="#">6Z</a>	<a href="#">2B</a>		<a href="#">View</a>
Skagit	<a href="#">Pile Driver</a>	Crew Tender	\$67.31	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Pile Driver</a>	Crew Tender/Technician	\$67.31	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Pile Driver</a>	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	\$77.93	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Pile Driver</a>	Hyperbaric Worker - Compressed Air Worker 30.01 - 44.00 PSI	\$82.93	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Pile Driver</a>	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	\$86.93	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Pile Driver</a>	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	\$91.93	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Pile Driver</a>	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	\$94.43	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Pile Driver</a>	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	\$99.43	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Pile Driver</a>	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	\$101.43	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Pile Driver</a>	Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI	\$103.43	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Pile Driver</a>	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	\$105.43	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Pile Driver</a>	Journey Level	\$62.69	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Plasterers</a>	Journey Level	\$59.29	<a href="#">7Q</a>	<a href="#">1R</a>		<a href="#">View</a>

Skagit	<a href="#">Playground &amp; Park Equipment Installers</a>	Journey Level	\$13.50		1		<a href="#">View</a>
Skagit	<a href="#">Plumbers &amp; Pipefitters</a>	Journey Level	\$76.22	<a href="#">5A</a>	<a href="#">1G</a>		<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Asphalt Plant Operators	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Assistant Engineer	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Barrier Machine (zipper)	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Batch Plant Operator: concrete	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Bobcat	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Brokk - Remote Demolition Equipment	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Brooms	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Bump Cutter	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Cableways	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Chipper	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Compressor	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Concrete Finish Machine - Laser Screed	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Conveyors	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Cranes friction: 200 tons and over	\$71.26	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$69.85	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Cranes: 20 Tons Through 44 Tons With Attachments	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$70.57	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$71.26	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Cranes: A-frame - 10 Tons And Under	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Cranes: Friction cranes through 199 tons	\$70.57	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Cranes: through 19 tons with attachments, A-frame over 10 tons	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>



Skagit	<a href="#">Power Equipment Operators</a>	Crusher	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Deck Engineer/Deck Winches (power)	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Derricks, On Building Work	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Dozers D-9 & Under	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Drill Oilers: Auger Type, Truck Or Crane Mount	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Drilling Machine	\$69.85	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Elevator And Man-lift: Permanent And Shaft Type	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Forklift: 3000 Lbs And Over With Attachments	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Forklifts: Under 3000 Lbs. With Attachments	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Gradechecker/Stakeman	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Guardrail Punch	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Horizontal/Directional Drill Locator	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Horizontal/Directional Drill Operator	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Hydralifts/Boom Trucks Over 10 Tons	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Hydralifts/Boom Trucks, 10 Tons And Under	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Loader, Overhead 8 Yards. & Over	\$69.85	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Loaders, Overhead Under 6 Yards	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Loaders, Plant Feed	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Loaders: Elevating Type Belt	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Locomotives, All	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Material Transfer Device	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$69.85	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Motor Patrol Graders	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Oil Distributors, Blower Distribution & Mulch Seeding	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>

		Operator					
Skagit	<a href="#">Power Equipment Operators</a>	Outside Hoists (Elevators And Manlifts), Air Tuggers, Strato	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Overhead, Bridge Type: 100 Tons And Over	\$69.85	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Pavement Breaker	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Pile Driver (other Than Crane Mount)	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Plant Oiler - Asphalt, Crusher	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Posthole Digger, Mechanical	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Power Plant	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Pumps - Water	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Quad 9, Hd 41, D10 And Over	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Rigger and Bellman	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Rigger/Signal Person, Bellman (Certified)	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Rollagon	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Roller, Other Than Plant Mix	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Roller, Plant Mix Or Multi-lift Materials	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Roto-mill, Roto-grinder	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Saws - Concrete	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Scraper, Self Propelled Under 45 Yards	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Scrapers - Concrete & Carry All	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Scrapers, Self-propelled: 45 Yards And Over	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Service Engineers - Equipment	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Shotcrete/Gunite Equipment	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$69.85	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$70.57	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>

Skagit	<a href="#">Power Equipment Operators</a>	Slipform Pavers	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Spreader, Topsider & Screedman	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Subgrader Trimmer	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Tower Bucket Elevators	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Tower Crane Up To 175' In Height Base To Boom	\$69.85	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Tower Crane: over 175' through 250' in height, base to boom	\$70.57	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Tower Cranes: over 250' in height from base to boom	\$71.26	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Transporters, All Track Or Truck Type	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Trenching Machines	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Truck Crane Oiler/driver - 100 Tons And Over	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Truck Crane Oiler/Driver Under 100 Tons	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Truck Mount Portable Conveyor	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Welder	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Wheel Tractors, Farmall Type	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators</a>	Yo Yo Pay Dozer	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Asphalt Plant Operators	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Assistant Engineer	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Barrier Machine (zipper)	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Batch Plant Operator, Concrete	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Bobcat	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Brokk - Remote Demolition Equipment	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Brooms	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Bump Cutter	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cableways	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Chipper	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Compressor	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Finish Machine - Laser Screed	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Pump: Truck Mount With Boom Attachment Over 42	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>



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Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Conveyors	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes friction: 200 tons and over	\$71.26	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$69.85	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 20 Tons Through 44 Tons With Attachments	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$70.57	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$71.26	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: A-frame - 10 Tons And Under	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: Friction cranes through 199 tons	\$70.57	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: through 19 tons with attachments, A-frame over 10 tons	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Crusher	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Deck Engineer/Deck Winches (power)	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Derricks, On Building Work	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Dozers D-9 & Under	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Drill Oilers: Auger Type, Truck Or Crane Mount	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Drilling Machine	\$69.85	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Elevator And Man-lift: Permanent And Shaft Type	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Forklift: 3000 Lbs And Over With Attachments	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Forklifts: Under 3000 Lbs. With Attachments	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Gradechecker/Stakeman	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>

	<a href="#">Underground Sewer &amp; Water</a>						
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Guardrail Punch	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Horizontal/Directional Drill Locator	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Horizontal/Directional Drill Operator	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Hydralifts/Boom Trucks Over 10 Tons	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Hydralifts/Boom Trucks, 10 Tons And Under	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loader, Overhead 8 Yards. & Over	\$69.85	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loaders, Overhead Under 6 Yards	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loaders, Plant Feed	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Loaders: Elevating Type Belt	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Locomotives, All	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Material Transfer Device	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Mechanics, All (leadmen - \$0.50 Per Hour Over Mechanic)	\$69.85	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Motor Patrol Graders	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Outside Hoists (Elevators And Manlifts), Air Tuggers, Strato	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Overhead, Bridge Type: 100 Tons And Over	\$69.85	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Overhead, Bridge Type: 45 Tons Through 99 Tons	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Pavement Breaker	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators- Underground Sewer &amp; Water</a>	Pile Driver (other Than Crane Mount)	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>

Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Plant Oiler - Asphalt, Crusher	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Posthole Digger, Mechanical	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Power Plant	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Pumps - Water	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Quad 9, Hd 41, D10 And Over	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Rigger and Bellman	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Rigger/Signal Person, Bellman (Certified)	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Rollagon	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Roller, Other Than Plant Mix	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Roller, Plant Mix Or Multi-lift Materials	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Roto-mill, Roto-grinder	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Saws - Concrete	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Scraper, Self Propelled Under 45 Yards	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Scrapers - Concrete & Carry All	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Scrapers, Self-propelled: 45 Yards And Over	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Service Engineers - Equipment	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shotcrete/Gunite Equipment	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$69.85	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$70.57	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-</a>	Slipform Pavers	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>

	<a href="#">Underground Sewer &amp; Water</a>						
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Spreader, Topsider & Screedman	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Subgrader Trimmer	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tower Bucket Elevators	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tower Crane Up To 175' In Height Base To Boom	\$69.85	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tower Crane: over 175' through 250' in height, base to boom	\$70.57	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tower Cranes: over 250' in height from base to boom	\$71.26	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Transporters, All Track Or Truck Type	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Trenching Machines	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Truck Crane Oiler/driver - 100 Tons And Over	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Truck Crane Oiler/Driver Under 100 Tons	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Truck Mount Portable Conveyor	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Welder	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Wheel Tractors, Farmall Type	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Yo Yo Pay Dozer	\$68.55	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Power Line Clearance Tree Trimmers</a>	Journey Level In Charge	\$53.10	<a href="#">5A</a>	<a href="#">4A</a>		<a href="#">View</a>
Skagit	<a href="#">Power Line Clearance Tree Trimmers</a>	Spray Person	\$50.40	<a href="#">5A</a>	<a href="#">4A</a>		<a href="#">View</a>
Skagit	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Equipment Operator	\$53.10	<a href="#">5A</a>	<a href="#">4A</a>		<a href="#">View</a>
Skagit	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Trimmer	\$47.48	<a href="#">5A</a>	<a href="#">4A</a>		<a href="#">View</a>
Skagit	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Trimmer Groundperson	\$36.10	<a href="#">5A</a>	<a href="#">4A</a>		<a href="#">View</a>
Skagit	<a href="#">Refrigeration &amp; Air Conditioning Mechanics</a>	Journey Level	\$76.21	<a href="#">5A</a>	<a href="#">1G</a>		<a href="#">View</a>
Skagit	<a href="#">Residential Brick Mason</a>	Journey Level	\$32.30		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Residential Carpenters</a>	Journey Level	\$23.34		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Residential Cement Masons</a>	Journey Level	\$20.67		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Residential Drywall Applicators</a>	Journey Level	\$46.43	<a href="#">7A</a>	<a href="#">4C</a>		<a href="#">View</a>
Skagit	<a href="#">Residential Drywall Tapers</a>	Journey Level	\$34.10		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Residential Electricians</a>	Journey Level	\$34.22		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Residential Glaziers</a>	Journey Level	\$45.90	<a href="#">7L</a>	<a href="#">1H</a>		<a href="#">View</a>
Skagit	<a href="#">Residential Insulation Applicators</a>	Journey Level	\$18.03		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Residential Laborers</a>	Journey Level	\$20.98		<a href="#">1</a>		<a href="#">View</a>

Skagit	<a href="#">Residential Marble Setters</a>	Journey Level	\$32.30		1	<a href="#">View</a>
Skagit	<a href="#">Residential Painters</a>	Journey Level	\$17.05		1	<a href="#">View</a>
Skagit	<a href="#">Residential Plumbers &amp; Pipefitters</a>	Journey Level	\$47.10	5A	1G	<a href="#">View</a>
Skagit	<a href="#">Residential Refrigeration &amp; Air Conditioning Mechanics</a>	Journey Level	\$44.20	5A	1G	<a href="#">View</a>
Skagit	<a href="#">Residential Sheet Metal Workers</a>	Journey Level	\$27.01		1	<a href="#">View</a>
Skagit	<a href="#">Residential Soft Floor Layers</a>	Journey Level	\$30.31		1	<a href="#">View</a>
Skagit	<a href="#">Residential Sprinkler Fitters (Fire Protection)</a>	Journey Level	\$32.87		1	<a href="#">View</a>
Skagit	<a href="#">Residential Stone Masons</a>	Journey Level	\$32.30		1	<a href="#">View</a>
Skagit	<a href="#">Residential Terrazzo Workers</a>	Journey Level	\$32.30		1	<a href="#">View</a>
Skagit	<a href="#">Residential Terrazzo/Tile Finishers</a>	Journey Level	\$35.85		1	<a href="#">View</a>
Skagit	<a href="#">Residential Tile Setters</a>	Journey Level	\$32.30		1	<a href="#">View</a>
Skagit	<a href="#">Roofers</a>	Journey Level	\$31.84		1	<a href="#">View</a>
Skagit	<a href="#">Sheet Metal Workers</a>	Journey Level (Field or Shop)	\$75.25	7F	1E	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Boilermaker	\$36.36	7V	1	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Carpenter	\$36.36	7V	1	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Crane Operator	\$36.36	7V	1	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Electrician	\$36.36	7V	1	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Heat & Frost Insulator	\$76.61	5J	4H	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Laborer	\$36.36	7V	1	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Machinist	\$36.36	7V	1	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Operating Engineer	\$36.36	7V	1	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Painter	\$36.36	7V	1	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Pipefitter	\$36.36	7V	1	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Rigger	\$36.36	7V	1	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Sheet Metal	\$36.36	7V	1	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Shipfitter	\$36.36	7V	1	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Warehouse/Teamster	\$36.36	7V	1	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Welder / Burner	\$36.36	7V	1	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Boilermaker	\$46.15	7X	4J	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Carpenter	\$44.95	7X	4J	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Crane Operator	\$45.06	7Y	4K	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Electrician	\$46.22	7X	4J	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Heat & Frost Insulator	\$76.61	5J	4H	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Laborer	\$46.15	7X	4J	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Machinist	\$46.15	7X	4J	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Operating Engineer	\$45.06	7Y	4K	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Painter	\$46.15	7X	4J	<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Pipefitter	\$46.15	7X	4J	<a href="#">View</a>



Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Rigger	\$46.15	<a href="#">7X</a>	<a href="#">4J</a>		<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Sheet Metal	\$46.15	<a href="#">7X</a>	<a href="#">4J</a>		<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Shipwright	\$44.95	<a href="#">7X</a>	<a href="#">4J</a>		<a href="#">View</a>
Skagit	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Warehouse / Teamster	\$45.06	<a href="#">7Y</a>	<a href="#">4K</a>		<a href="#">View</a>
Skagit	<a href="#">Sign Makers &amp; Installers (Electrical)</a>	Journey Level	\$16.03		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Sign Makers &amp; Installers (Non-Electrical)</a>	Journey Level	\$13.50		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Soft Floor Layers</a>	Journey Level	\$51.07	<a href="#">5A</a>	<a href="#">3J</a>		<a href="#">View</a>
Skagit	<a href="#">Solar Controls For Windows</a>	Journey Level	\$13.50		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Sprinkler Fitters (Fire Protection)</a>	Journey Level	\$82.39	<a href="#">5C</a>	<a href="#">1X</a>		<a href="#">View</a>
Skagit	<a href="#">Stage Rigging Mechanics (Non Structural)</a>	Journey Level	\$13.50		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Stone Masons</a>	Journey Level	\$58.82	<a href="#">5A</a>	<a href="#">1M</a>		<a href="#">View</a>
Skagit	<a href="#">Street And Parking Lot Sweeper Workers</a>	Journey Level	\$15.00		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Surveyors</a>	Assistant Construction Site Surveyor	\$68.02	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Surveyors</a>	Chainman	\$65.05	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Surveyors</a>	Construction Site Surveyor	\$69.16	<a href="#">7A</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Skagit	<a href="#">Telecommunication Technicians</a>	Telecom Technician Journey Level	\$45.23	<a href="#">5B</a>	<a href="#">1B</a>		<a href="#">View</a>
Skagit	<a href="#">Telephone Line Construction - Outside</a>	Cable Splicer	\$41.81	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Skagit	<a href="#">Telephone Line Construction - Outside</a>	Hole Digger/Ground Person	\$23.53	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Skagit	<a href="#">Telephone Line Construction - Outside</a>	Installer (Repairer)	\$40.09	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Skagit	<a href="#">Telephone Line Construction - Outside</a>	Special Aparatus Installer I	\$41.81	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Skagit	<a href="#">Telephone Line Construction - Outside</a>	Special Apparatus Installer II	\$40.99	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Skagit	<a href="#">Telephone Line Construction - Outside</a>	Telephone Equipment Operator (Heavy)	\$41.81	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Skagit	<a href="#">Telephone Line Construction - Outside</a>	Telephone Equipment Operator (Light)	\$38.92	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Skagit	<a href="#">Telephone Line Construction - Outside</a>	Telephone Lineperson	\$38.92	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Skagit	<a href="#">Telephone Line Construction - Outside</a>	Television Groundperson	\$22.32	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Skagit	<a href="#">Telephone Line Construction - Outside</a>	Television Lineperson/Installer	\$29.60	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Skagit	<a href="#">Telephone Line Construction - Outside</a>	Television System Technician	\$35.20	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Skagit	<a href="#">Telephone Line Construction - Outside</a>	Television Technician	\$31.67	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Skagit	<a href="#">Telephone Line Construction - Outside</a>	Tree Trimmer	\$38.92	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Skagit	<a href="#">Terrazzo Workers</a>	Journey Level	\$54.06	<a href="#">5A</a>	<a href="#">1M</a>		<a href="#">View</a>

Skagit	<a href="#">Tile Setters</a>	Journey Level	\$54.06	<a href="#">5A</a>	<a href="#">1M</a>		<a href="#">View</a>
Skagit	<a href="#">Tile, Marble &amp; Terrazzo Finishers</a>	Finisher	\$44.89	<a href="#">5A</a>	<a href="#">1B</a>		<a href="#">View</a>
Skagit	<a href="#">Traffic Control Stripers</a>	Journey Level	\$47.68	<a href="#">7A</a>	<a href="#">1K</a>		<a href="#">View</a>
Skagit	<a href="#">Truck Drivers</a>	Asphalt Mix Over 16 Yards	\$60.84	<a href="#">5D</a>	<a href="#">4Y</a>	<a href="#">8L</a>	<a href="#">View</a>
Skagit	<a href="#">Truck Drivers</a>	Asphalt Mix To 16 Yards	\$60.00	<a href="#">5D</a>	<a href="#">4Y</a>	<a href="#">8L</a>	<a href="#">View</a>
Skagit	<a href="#">Truck Drivers</a>	Dump Truck	\$60.00	<a href="#">5D</a>	<a href="#">4Y</a>	<a href="#">8L</a>	<a href="#">View</a>
Skagit	<a href="#">Truck Drivers</a>	Dump Truck & Trailer	\$60.84	<a href="#">5D</a>	<a href="#">4Y</a>	<a href="#">8L</a>	<a href="#">View</a>
Skagit	<a href="#">Truck Drivers</a>	Other Trucks	\$60.84	<a href="#">5D</a>	<a href="#">4Y</a>	<a href="#">8L</a>	<a href="#">View</a>
Skagit	<a href="#">Truck Drivers - Ready Mix</a>	Transit Mix	\$60.84	<a href="#">5D</a>	<a href="#">4Y</a>	<a href="#">8L</a>	<a href="#">View</a>
Skagit	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Irrigation Pump Installer	\$13.50		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Oiler	\$13.50		<a href="#">1</a>		<a href="#">View</a>
Skagit	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Well Driller	\$13.50		<a href="#">1</a>		<a href="#">View</a>

Benefit Code Key – Effective 3/4/2020 thru 9/1/2020

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**Overtime Codes**

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

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



**Overtime Codes Continued**

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

**Overtime Codes Continued**

2. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- B. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
  - C. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at two times the hourly rate of wage.
  - F. The first eight (8) hours worked on holidays shall be paid at the straight hourly rate of wage in addition to the holiday pay. All hours worked in excess of eight (8) hours on holidays shall be paid at double the hourly rate of wage.
  - G. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
  - H. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.
  - O. All hours worked on Sundays and holidays shall be paid at one and one-half times the hourly rate of wage.
  - R. All hours worked on Sundays and holidays and all hours worked over sixty (60) in one week shall be paid at double the hourly rate of wage.
  - U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked over 12 hours in a day or on Sundays and holidays shall be paid at double the hourly rate of wage.
  - W. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage. On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The first eight (8) hours worked on the fifth day shall be paid at one and one-half times the hourly rate of wage. All other hours worked on the fifth, sixth, and seventh days and on holidays shall be paid at double the hourly rate of wage.
3. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- A. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at time and one-half the straight time rate. Hours worked over twelve hours (12) in a single shift and all work performed after 6:00 pm Saturday to 6:00 am Monday and holidays shall be paid at double the straight time rate of pay. Any shift starting between the hours of 6:00 pm and midnight shall receive an additional one dollar (\$1.00) per hour for all hours worked that shift. The employer shall have the sole discretion to assign overtime work to employees. Primary consideration for overtime work shall be given to employees regularly assigned to the work to be performed on overtime situations. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.
  - C. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays shall be paid at double the hourly rate of wage. After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

**Overtime Codes Continued**

3. E. All hours worked Sundays and holidays shall be paid at double the hourly rate of wage. Each week, once 40 hours of straight time work is achieved, then any hours worked over 10 hours per day Monday through Saturday shall be paid at double the hourly wage rate.
- F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.
- H. All work performed on Sundays between March 16th and October 14th and all Holidays shall be compensated for at two (2) times the regular rate of pay. Work performed on Sundays between October 15th and March 15th shall be compensated at one and one half (1-1/2) times the regular rate of pay.
- J. All hours worked between the hours of 10:00 pm and 5:00 am, Monday through Friday, and all hours worked on Saturdays shall be paid at a one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- K. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the eight (8) hours rest period.

4. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.
- A. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.
- B. All hours worked over twelve (12) hours per day and all hours worked on holidays shall be paid at double the hourly rate of wage.
- C. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay. On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay. All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.

**Overtime Codes Continued**

4. D. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturday, Sundays and holidays shall be paid at double the hourly rate of pay. Rates include all members of the assigned crew.

**EXCEPTION:**

On all multipole structures and steel transmission lines, switching stations, regulating, capacitor stations, generating plants, industrial plants, associated installations and substations, except those substations whose primary function is to feed a distribution system, will be paid overtime under the following rates:

The first two (2) hours after eight (8) regular hours Monday through Friday of overtime on a regular workday, shall be paid at one and one-half times the hourly rate of wage. All hours in excess of ten (10) hours will be at two (2) times the hourly rate of wage. The first eight (8) hours worked on Saturday will be paid at one and one-half (1-1/2) times the hourly rate of wage. All hours worked in excess of eight (8) hours on Saturday, and all hours worked on Sundays and holidays will be at the double the hourly rate of wage.

All overtime eligible hours performed on the above described work that is energized, shall be paid at the double the hourly rate of wage.

- E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one and one half (1½) times the regular shift rate for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

- F. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 20% over the hourly rate of wage. All hours worked on Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.
- G. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- H. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, and all hours on Sunday shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.
- I. The First eight (8) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) per day on Saturdays shall be paid at double the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- J. The first eight (8) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) hours on a Saturday shall be paid at double the hourly rate of wage. All hours worked over twelve (12) in a day, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.
- K. All hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage, so long as Saturday is the sixth consecutive day worked. All hours worked over twelve (12) in a day Monday through Saturday, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.

**Overtime Codes Continued**

4. L. The first twelve (12) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on a Saturday in excess of twelve (12) hours shall be paid at double the hourly rate of pay. All hours worked over twelve (12) in a day Monday through Friday, and all hours worked on Sundays shall be paid at double the hourly rate of wage. All hours worked on a holiday shall be paid at one and one-half times the hourly rate of wage, except that all hours worked on Labor Day shall be paid at double the hourly rate of pay.
- M. All hours worked on Sunday and Holidays shall be paid at double the hourly rate. Any employee reporting to work less than nine (9) hours from their previous quitting time shall be paid for such time at time and one-half times the hourly rate.
- N. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays, and all work performed between the hours of midnight (12:00 AM) and eight AM (8:00 AM) every day shall be paid at double the hourly rate of wage.
- O. All hours worked between midnight Friday to midnight Sunday shall be paid at one and one-half the hourly rate of wage. After an employee has worked in excess of eight (8) continuous hours in any one or more calendar days, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of six (6) hours or more. All hours worked on Holidays shall be paid at double the hourly rate of wage.
- P. All hours worked on Holidays shall be paid at one and one-half times the hourly rate of wage.
- Q. The first four (4) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over twelve (12) hours Monday through Saturday shall be paid at double the hourly rate. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- R. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage, so long as Saturday is the sixth consecutive day worked. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.
- S. All hours worked on Saturdays and Holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays shall be paid at double the hourly rate of wage.
- T. The first two (2) hours of overtime for hours worked Monday-Friday shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day shall be paid at double the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage. For work on Saturday which is scheduled prior to the end of shift on Friday, the first six (6) hours work shall be paid at one and one-half times the hourly rate of wage, and all hours over (6) shall be paid double the hourly rate of wage. For work on Saturday which was assigned following the close of shift on Friday, all work shall be paid at double the hourly rate of wage.
- U. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. (Except on makeup days if work is lost due to inclement weather, then the first eight (8) hours on Saturday may be paid the regular rate.) All hours worked over twelve (12) hours Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

**Overtime Codes Continued**

4. V. Work performed in excess of ten (10) hours of straight time per day when four ten (10) hour shifts are established or outside the normal shift (5 am to 6pm), and all work on Saturdays, except for make-up days shall be paid at time and one-half (1 ½) the straight time rate.

In the event the job is down due to weather conditions, then Saturday may, be worked as a voluntary make-up day at the straight time rate. However, Saturday shall not be utilized as a make-up day when a holiday falls on Friday. All work performed on Sundays and holidays and work in excess of twelve (12) hours per day shall be paid at double (2x) the straight time rate of pay.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

When an employee returns to work without a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

- W. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

- X. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage. Work performed outside the normal shift of 6 am to 6pm shall be paid at one and one-half the straight time rate, (except for special shifts or three shift operations). All work performed on Sundays and holidays shall be paid at double the hourly rate of wage. Shifts may be established when considered necessary by the Employer.

The Employer may establish shifts consisting of eight (8) or ten (10) hours of work (subject to WAC 296-127-022), that shall constitute a normal forty (40) hour work week. The Employer can change from a 5-eight to a 4-ten hour schedule or back to the other. All hours of work on these shifts shall be paid for at the straight time hourly rate. Work performed in excess of eight hours (or ten hours per day (subject to WAC 296-127-022) shall be paid at one and one-half the straight time rate.

When due to conditions beyond the control of the Employer, or when contract specifications require that work can only be performed outside the regular day shift, then by mutual agreement a special shift may be worked at the straight time rate, eight (8) hours work for eight (8) hours pay. The starting time shall be arranged to fit such conditions of work.

When an employee returns to work without at a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

**Overtime Codes Continued**

4. Y. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal shift, and all work on Saturdays shall be paid at time and one-half the straight time rate. All work performed after 6:00 pm Saturday to 6:00 am Monday and holidays shall be paid at double the straight time rate of pay.

Any shift starting between the hours of 6:00 pm and midnight shall receive an additional one dollar (\$1.00) per hour for all hours worked that shift.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

**Holiday Codes**

5. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, and Christmas Day (7).
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day (8).
- C. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
- D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8).
- H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).
- I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).
- J. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Eve Day, And Christmas Day (7).
- K. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9).
- L. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (8).
- N. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (9).
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday And Saturday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9). If A Holiday Falls On Sunday, The Following Monday Shall Be Considered As A Holiday.
- Q. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).

**Holiday Codes Continued**

5. R. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, One-Half Day Before Christmas Day, And Christmas Day. (7 1/2).
- S. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, And Christmas Day (7).
- T. Paid Holidays: New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, Christmas Day, And The Day Before Or After Christmas (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
6. A. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).
- E. Paid Holidays: New Year's Day, Day Before Or After New Year's Day, Presidents Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and a Half-Day On Christmas Eve Day. (9 1/2).
- G. Paid Holidays: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and Christmas Eve Day (11).
- H. Paid Holidays: New Year's Day, New Year's Eve Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating Holiday (10).
- I. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, And Christmas Day (7).
- T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.
7. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any Holiday Which Falls On A Sunday Shall Be Observed As A Holiday On The Following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- C. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.



**Holiday Codes Continued**

7. D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the last working day before Christmas day and Christmas day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- G. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- M. Paid Holidays: New Year's Day, The Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, And the Day after or before Christmas Day (10). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.
- P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

**Holiday Codes Continued**

7. Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- R. Paid Holidays: New Year's Day, the day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day after or before Christmas Day (10). If any of the listed holidays fall on Saturday, the preceding Friday shall be observed as the holiday. If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, the Day after Christmas, and A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- T. Paid Holidays: New Year's Day, the Day after or before New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and The Day after or before Christmas Day. (10). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- V. Holidays: New Year's Day, President's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, the day before or after Christmas, and the day before or after New Year's Day. If any of the above listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- W. Holidays: New Year's Day, Day After New Year's, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day, Christmas Day, the day after Christmas, the day before New Year's Day, and a Floating Holiday.
- X. Holidays: New Year's Day, Day before or after New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day before or after Christmas day. If a holiday falls on a Saturday or on a Friday that is the normal day off, then the holiday will be taken on the last normal workday. If the holiday falls on a Monday that is the normal day off or on a Sunday, then the holiday will be taken on the next normal workday.
- Y. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day. (8) If the holiday falls on a Sunday, then the day observed by the federal government shall be considered a holiday and compensated accordingly.
- Z. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
15. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the day before Christmas Day and Christmas Day. (8) Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.
- B. Holidays: New Year's Day, Martin Luther King Jr. Day, President's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, and Christmas Day. (9)
- C. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the day before Christmas Day and Christmas Day. (8)

Benefit Code Key – Effective 3/4/2020 thru 9/1/2020

**Holiday Codes Continued**

15. D. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, and the day after Christmas.
- E. Holidays: the day before New Years's Day, New Year's Day, Martin Luther King, Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day. (12)

**Note Codes**

8. D. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.
- L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$0.75, Level B: \$0.50, And Level C: \$0.25.
- M. Workers on hazmat projects receive additional hourly premiums as follows: Levels A & B: \$1.00, Levels C & D: \$0.50.
- N. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$1.00, Level B: \$0.75, Level C: \$0.50, And Level D: \$0.25.
- P. Workers on hazmat projects receive additional hourly premiums as follows -Class A Suit: \$2.00, Class B Suit: \$1.50, Class C Suit: \$1.00, And Class D Suit \$0.50.
- Q. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.
- S. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.
- T. Effective August 31, 2012 – A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.
- U. Workers on hazmat projects receive additional hourly premiums as follows – Class A Suit: \$2.00, Class B Suit: \$1.50, And Class C Suit: \$1.00. Workers performing underground work receive an additional \$0.40 per hour for any and all work performed underground, including operating, servicing and repairing of equipment. The premium for underground work shall be paid for the entire shift worked. Workers who work suspended by a rope or cable receive an additional \$0.50 per hour. The premium for work suspended shall be paid for the entire shift worked. Workers who do “pioneer” work (break open a cut, build road, etc.) more than one hundred fifty (150) feet above grade elevation receive an additional \$0.50 per hour.

**Note Codes Continued**

8. V. In addition to the hourly wage and fringe benefits, the following depth and enclosure premiums shall be paid. The premiums are to be calculated for the maximum depth and distance into an enclosure that a diver reaches in a day. The premiums are to be paid one time for the day and are not used in calculating overtime pay.
- Depth premiums apply to depths of fifty feet or more. Over 50' to 100' - \$2.00 per foot for each foot over 50 feet. Over 101' to 150' - \$3.00 per foot for each foot over 101 feet. Over 151' to 220' - \$4.00 per foot for each foot over 220 feet. Over 221' - \$5.00 per foot for each foot over 221 feet.
- Enclosure premiums apply when divers enter enclosures (such as pipes or tunnels) where there is no vertical ascent and is measured by the distance travelled from the entrance. 25' to 300' - \$1.00 per foot from entrance. 300' to 600' - \$1.50 per foot beginning at 300'. Over 600' - \$2.00 per foot beginning at 600'.
- W. Meter Installers work on single phase 120/240V self-contained residential meters. The Lineman/Groundmen rates would apply to meters not fitting this description.
- X. Workers on hazmat projects receive additional hourly premiums as follows - Class A Suit: \$2.00, Class B Suit: \$1.50, Class C Suit: \$1.00, and Class D Suit: \$0.50. Special Shift Premium: Basic hourly rate plus \$2.00 per hour.
- When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications requires that work can only be performed outside the normal 5 am to 6pm shift, then the special shift premium will be applied to the basic hourly rate. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in OT or Double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)
- Y. Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay.
- Swinging Stage/Boatswains Chair: Employees working on a swinging state or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents (\$0.75) per hour above the classification rate.
- Z. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.
- Special Shift Premium: Basic hourly rate plus \$2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as a contractor), a government agency or the contract specifications require that more than (4) hours of a special shift can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they will be paid a special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

**Note Codes Continued**

9. A. Workers working with supplied air on hazmat projects receive an additional \$1.00 per hour.

Special Shift Premium: Basic hourly rate plus \$2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications require that more than four (4) hours of a special shift can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

Certified Crane Operator Premium: Crane operators requiring certifications shall be paid \$0.50 per hour above their classification rate.

Boom Pay Premium: All cranes including tower shall be paid as follows based on boom length:

(A) – 130' to 199' – \$0.50 per hour over their classification rate.

(B) – 200' to 299' – \$0.80 per hour over their classification rate.

(C) – 300' and over – \$1.00 per hour over their classification rate.

- B. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.

Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay. Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents (\$0.75) per hour above the classification rate.

- C. Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay. Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents (\$0.75) per hour above the classification rate.

Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. These classifications are only effective on or after August 31, 2012.

- D. Industrial Painter wages are required for painting within industrial facilities such as treatment plants, pipelines, towers, dams, bridges, power generation facilities and manufacturing facilities such as chemical plants, etc., or anywhere abrasive blasting is necessary to prepare surfaces, or hazardous materials encapsulation is required.

- E. Heavy Construction includes construction, repair, alteration or additions to the production, fabrication or manufacturing portions of industrial or manufacturing plants, hydroelectric or nuclear power plants and atomic reactor construction. Workers on hazmat projects receive additional hourly premiums as follows -Level A: \$1.00, Level B: \$0.75, Level C: \$0.50, And Level D: \$0.25.

## **APPENDIX C**

### **Construction Contract and Contract Bond-Informational Only**

## CONSTRUCTION CONTRACT AGREEMENT

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THIS AGREEMENT, effective upon the date of mutual execution, is made and entered into between Skagit County, Washington, and \_\_\_\_\_, hereinafter called the Contractor.

**WITNESSETH:**

That in consideration of the terms and conditions contained herein and attached and made a part of this agreement, the parties hereto covenant and agree as follows:

The Contractor shall do all work and furnish all tools, materials, equipment, and transportation required for the construction of **Colony Mountain Drive Culvert Replacement Project #ES24100-2.**

- I. in accordance with and as described in the attached plans and specifications and the Washington State Department of Transportation *Standard Specifications for Road, Bridge, and Municipal Construction M 41-10 2020 edition*, which are by this reference incorporated herein and made a part hereof, and shall perform any changes to the work in accord with the Contract Documents.
- II. The Contractor shall provide and bear the expense of all equipment, work, and labor of any sort whatsoever that may be required for the transfer of materials and for constructing and completing the work provided for in this contract and every part thereof and shall guarantee said materials and work for a period of one year after substantial completion of this contract, except as may be modified by the plans, specifications and/or contract documents.
- III. Skagit County, Washington, hereby promises and agrees with the Contractor to retain and does retain the Contractor to provide the materials and to do and cause to be done the above-described work and to complete and finish the same according to the attached plans and specifications and the terms and conditions herein contained, and hereby contracts to pay for the same according to the attached specifications and the schedule of prices bid and hereto attached, at the time and in the manner and upon the conditions provided for in this contract.
- IV. The Contractor for himself/herself, and for his/her heirs, executors, administrators, successors, and assigns, does hereby agree to full performance of all covenants required of the Contractor in the contract.
- V. It is further provided that no liability shall attach to Skagit County by reason of entering into this contract, except as provided herein.

IN WITNESS WHEREOF the Contractor has executed this instrument on the day and year first below written, and the Authorized Official has caused this instrument to be executed by and in the name of Skagit County the day and year first above written.

**CONTRACTOR**

Signature \_\_\_\_\_

Mailing Address:

Printed \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Telephone No. (\_\_\_\_) \_\_\_\_-\_\_\_\_

DATED this \_\_\_\_\_ day of \_\_\_\_\_, 2020.

**BOARD OF COUNTY COMMISSIONERS  
SKAGIT COUNTY, WASHINGTON**

\_\_\_\_\_  
Ron Wesen, Chair

\_\_\_\_\_  
Kenneth A. Dahlstedt, Commissioner

Attest:

\_\_\_\_\_  
Lisa Janicki, Commissioner

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

For contracts under \$5,000:  
Authorization per Resolution R20030146

Recommended:

\_\_\_\_\_  
County Administrator

\_\_\_\_\_  
Department Head

Approved as to form:

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

Approved as to indemnification:

\_\_\_\_\_  
Risk Manager

Approved as to budget:

\_\_\_\_\_  
Budget & Finance Director



## CONTRACT BOND

**KNOW ALL MEN BY THESE PRESENTS**, that Skagit County, a Municipal Corporation of Washington, has awarded

\_\_\_\_\_ of \_\_\_\_\_, as Principal, and \_\_\_\_\_ as Surety, are jointly and severally held and bound unto the County of Skagit in the penal sum of \_\_\_\_\_ (\$\_\_\_\_\_), dollars, for the payment of which we jointly and severally bind ourselves, our heirs, executors, administrators, and assigns, and successors and assigns, firmly by these presents.

**THE CONDITION** of this bond is such that whereas, on the \_\_\_\_\_ day of \_\_\_\_\_ A.D., 2020, the said Principal, herein, executed a certain contract with the County of Skagit by the items, conditions and provisions of which contract the said \_\_\_\_\_, Principal, herein agree to furnish all material and do certain work, to wit: That \_\_\_\_\_ will undertake and complete the construction of \_\_\_\_\_

### Colony Mountain Drive Culvert Replacement #ES24100-2

according to the maps, plans and specifications made a part of said contract, which contract as so executed, is hereunto attached, is now referred to and by reference is incorporated herein and made a part hereof as fully for all purposes as if here set forth at length. The bond shall cover all approved change orders as if they were in the original contract.

**NOW, THEREFORE**, if the Principal herein shall faithfully and truly observe and comply with the terms, conditions and provisions of said contract in all respects and shall well and truly and fully do and perform all matters and things by \_\_\_\_\_ (principal) undertaken to be performed under said contract, upon the terms proposed therein, and within the time prescribed therein, and until the same is accepted, and shall pay all laborers, mechanics, subcontractors and material men, and all persons who shall supply such contractor or subcontractor with provisions and supplies for the carrying on of such work, and shall in all respects faithfully perform said contract according to law, then this obligation to be void, otherwise to remain in full force and effect.

**WITNESS** our hands this \_\_\_\_\_ day of \_\_\_\_\_, 2020.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(Principal)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Attorney-in-Fact, Surety

\_\_\_\_\_  
Name and Address  
Local Office of Agent

APPROVED AS TO FORM  
RICH WEYRICH  
Skagit County Prosecuting Attorney

APPROVED AS TO FORM  
DONNIE LAPLANTE  
Skagit County Risk Manager

BY: \_\_\_\_\_  
Approving Authority

DATE: \_\_\_\_\_, 2020

\_\_\_\_\_  
SURETY BOND NUMBER

\_\_\_\_\_  
CONTRACT NUMBER

\_\_\_\_\_

\_\_\_\_\_

## **APPENDIX D**

### **Proposal Forms – Information Only**

# Proposal for Bidding Purposes

For Construction of:

**Colony Mountain Drive Culvert  
Replacement Project  
#ES24100-2**

SKAGIT COUNTY PUBLIC WORKS

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**SKAGIT COUNTY  
Public Works Department  
1800 Continental Place  
Mount Vernon, WA 98273**

**PROPOSAL**

**COLONY MOUNTAIN DRIVE CULVERT REPLACEMENT  
#ESH24100-2**

All bid envelopes must be plainly marked on the outside, "**Sealed Bid, Colony Mountain Drive Culvert Replacement #ES24100-2**"

Sealed Bids will be received at the following location before the specified time:

**Bids may be hand delivered to:** The Reception Desk of Skagit County Commissioners Office, located at 1800 Continental Place, Mount Vernon, WA.

**Bids may be mailed to:** Skagit County Commissioners  
1800 Continental Place, Suite 100  
Mount Vernon, Washington, 98273

The bid opening date for this project will be **Monday, July 20, 2020**. The bids will be publicly opened and read after **2:30 p.m.** on this date.

**Bid Advertisement:** Skagit Valley Herald – July 2 and 9, 2020  
Daily Journal of Commerce - July 2 and 9, 2020

**ENTIRE PROPOSAL TO BE RETURNED AS YOUR BID PACKAGE**

**FAILURE TO SIGN OR COMPLETE ALL INFORMATION ON THE FORMS PROVIDED CAN  
RESULT IN REJECTION OF THE PROPOSAL AS NON-RESPONSIVE**

# PROPOSAL

## BOARD OF SKAGIT COUNTY COMMISSIONERS MOUNT VERNON, WASHINGTON 98273

Attention:

This certifies that the undersigned has examined the locations of:

### Colony Mountain Drive Culvert Replacement #ES24100-2

and that the plans, specifications and contract governing the work embraced in this improvement, and the method by which payment will be made for said work is understood. The undersigned hereby proposes to undertake and complete the work embraced in this improvement, or as much thereof as can be completed with the money available in accordance with the said plans, specifications, and contract, and the following schedule of rates and prices:

Note: for work performed on this project the contractor should refer to Section 1-07.2(1) of the contract provisions and Department of Revenue Rule #171.

(Note: Unit prices for all items, all extensions, and total amount of bid shall be shown. All entries must be typed or entered in ink.)

### Colony Mountain Drive Culvert Replacement #ES24100-2

Item No.	Description	Spec	QTY	Unit of Measure	Unit Price	Total Price
1	Mobilization	1-09.7	1.00	LS	\$_____.	\$_____.
2	Clearing and Grubbing	2-01.5	0.10	ACRE	\$_____.	\$_____.
3	Removal of Structures and Obstructions	2-02.5	1.00	LS	\$_____.	\$_____.
4	Roadway Excavation Incl. Haul	2-03.5	90.00	CY	\$_____.	\$_____.
5	Channel Excavation Incl. Haul	2-03.5	75.00	CY	\$_____.	\$_____.
6	Structural Excavation Class B Incl. Haul	2-09.5	1250.00	CY	\$_____.	\$_____.

7	Shoring or Extra Excavation Class B	2-09.5	1716.00	SF	\$_____.	\$_____.
8	Embankment Compaction	2-03.5	1250.00	CY	\$_____.	\$_____.
9	Quarry Spalls	8-15.5	65.00	CY	\$_____.	\$_____.
10	Gravel Borrow Incl. Haul	2-03.5	125.00	CY	\$_____.	\$_____.
11	Gravel Backfill for Pipe Zone Bedding	7-08.5	800.00	CY	\$_____.	\$_____.
12	Streambed Sediment	SP	170.00	TON	\$_____.	\$_____.
13	Streambed Boulder One Man	SP	7.00	EA	\$_____.	\$_____.
14	Streambed Mix	SP	190.00	TON	\$_____.	\$_____.
15	11'-0" Dia. Multi-Plate Round Aluminum Culvert	SP	78.00	LF	\$_____.	\$_____.
16	Construction Geotextile for Separation	2-12.5	12.00	SY	\$_____.	\$_____.
17	Crushed Surfacing Base Course	4-04.5	165.00	TON	\$_____.	\$_____.
18	Crushed Surfacing Top Course	4-04.5	30.00	TON	\$_____.	\$_____.
19	HMA Class 1/2" PG 58H-22	5-04.5	30.00	TON	\$_____.	\$_____.
20	HMA Sawcut and Seal	5-04.5	44.00	LF	\$_____.	\$_____.

21	Planning Bituminous Pavement	5-04.5	45.00	SY	\$_____.	\$_____.
22	Temporary Stream Diversion	7-06.5	1.00	LS	\$_____.	\$_____.
23	Fish Exclusion	1-09.6	DOL	EST	\$_____1.00	\$_____5,000.00
24	Seeding and Mulching	8-01.5	0.10	ACRE	\$_____.	\$_____.
25	High Visibility Silt Fence	8-01.5	465.00	LF	\$_____.	\$_____.
26	Revegetation	SP	1.00	LS	\$_____.	\$_____.
27	Paint Line	8-22.5	265.00	LF	\$_____.	\$_____.
28	Project Temporary Traffic Control	1-10.5	1.00	LS	\$_____.	\$_____.
29	Contractor Surveying - Structures	1-04.2	1.00	LS	\$_____.	\$_____.
30	Contractor Surveying - Roadway	1-04.2	1.00	LS	\$_____.	\$_____.
31	Unanticipated Site Work	1-09.6 SP	DOL	EST	\$_____1.00	\$_____15,000.00
TOTAL BID						\$_____.

**FOR WORK PERFORMED ON THIS PROJECT THE CONTRACTOR SHOULD REFER TO SECTION 1-07.2(1) OF THE CONTRACT PROVISIONS AND DEPARTMENT OF REVENUE RULE #171.**



## PROPOSAL – Signature Page

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

The undersigned hereby agrees to pay labor not less than the prevailing rates of wages in accordance with the requirements of the special provisions for this project.

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

- ☐ CASHIER'S CHECK In the amount of \$ \_\_\_\_\_ Dollars
- ☐ CERTIFIED CHECK In the amount of \$ \_\_\_\_\_ Dollars  
(Payable to Skagit County)
- ☐ PROPOSAL BOND In the amount five percent (5%) of the total bid.

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

Signature of Authorized Official(s):

**Proposal Must Be Signed** →

\_\_\_\_\_  
PRINT NAME

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

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

Telephone No.: \_\_\_\_\_

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

UBI No. \_\_\_\_\_ Employment Security Department No. \_\_\_\_\_

Note:

- (1) This proposal form is not transferable and any alteration of the firm's name entered hereon without prior permission from the Skagit County will be cause for considering the proposal irregular and subsequent rejection of the bid.
- (2) Please refer to Section 1-02.6 of the Standard Specifications, "Preparation of Proposal", or "Article 4" of the Instruction to Bidders for building construction jobs.

**BID PROPOSAL MUST BE SIGNED.**

**FAILURE TO SIGN OR COMPLETE ALL INFORMATION CAN RESULT  
IN REJECTION OF THE PROPOSAL AS NON-RESPONSIVE.**

**SUBMIT THE  
ENCLOSED PROPOSAL  
BOND FORM WITH  
YOUR PROPOSAL**

**USE OF OTHER FORMS  
MAY SUBJECT YOUR  
BID TO REJECTION**

## PROPOSAL BOND

KNOW ALL MEN BY THESE PRESENTS, That we, \_\_\_\_\_

of \_\_\_\_\_ as principal, and the  
\_\_\_\_\_ a corporation duly

organized under the laws of the State of \_\_\_\_\_,  
and authorized to do business in the State of Washington, as surety, are held and firmly bound unto  
Skagit County in the full and penal sum of five (5) percent of the total amount of the bid proposal of  
said principal for the work hereinafter described for the payment of which, well and truly to be made,  
we bind our heirs, executors, administrators and assigns, and successors and assigns, firmly by  
these presents.

The condition of this bond is such, that whereas the principal herein is herewith submitting  
his or its sealed proposal for the following highway construction, to wit:

### Colony Mountain Drive Culvert Replacement #ES24100-2

said bid and proposal, by reference thereto, being made a part hereof.

NOW THEREFORE, If the said proposal bid by said principal be accepted, and the contract  
be awarded to said principal, and if said principal shall duly make and enter into and execute said  
contract and shall furnish bond as required by Skagit County within a period of twenty (20) days  
from and after said award, exclusive of the day of such award, then this obligation shall be null and  
void, otherwise it shall remain and be in full force and effect.

IN TESTIMONY WHEREOF, The principal and surety have caused these presents to be  
signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 2020.

\_\_\_\_\_

(Principal)

\_\_\_\_\_  
(Surety)

\_\_\_\_\_  
(Attorney-in-fact)

**Failure to return this Declaration as part of the bid proposal package will make the bid nonresponsive and ineligible for award.**

## **NON-COLLUSION DECLARATION**

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

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

## **NOTICE TO ALL BIDDERS**

To report rigging activities call:

**1-800-424-9071**

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

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



## Certification of Compliance with Wage Payment Statutes

The bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date (**July 2, 2020**), the bidder is not a “willful” violator, as defined in RCW 49.48.082, of any provision of chapters 49.46, 49.48, or 49.52 RCW, as determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgment entered by a court of limited or general jurisdiction.

I certify under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct.

\_\_\_\_\_  
Bidder’s Business Name

\_\_\_\_\_  
Signature of Authorized Official\*

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
City

\_\_\_\_\_  
State

Check One:

Sole Proprietorship ☐ Partnership ☐ Joint Venture ☐ Corporation ☐

State of Incorporation, or if not a corporation, State where business entity was formed:

\_\_\_\_\_

If a co-partnership, give firm name under which business is transacted:

\_\_\_\_\_

*\* If a corporation, proposal must be executed in the corporate name by the president or vice-president (or any other corporate officer accompanied by evidence of authority to sign). If a co-partnership, proposal must be executed by a partner.*

# **APPENDIX E**

## **Permits**



# HYDRAULIC PROJECT APPROVAL

Washington Department of  
Fish & Wildlife  
PO Box 43234  
Olympia, WA 98504-3234  
(360) 902-2200

Issued Date: May 05, 2020  
Project End Date: September 30, 2020

Permit Number: 2020-4-326+01  
FPA/Public Notice Number: N/A  
Application ID: 19572

PERMITTEE	AUTHORIZED AGENT OR CONTRACTOR
David Walde 1800 Continental Place Mount Vernon, WA 98273	GeoEngineers ATTENTION: Emily Hurn 2101 4th Ave Seattle, WA 98121-2352

**Project Name:** Colony Mountain Drive Culvert Replacement Project

**Project Description:** The existing 24-inch culvert will be replaced by a 11-foot-wide aluminum culvert meeting Water Crossing Design Guidelines using the stream simulation method, and a 3-foot overflow pipe will be removed. This will result in an 9-foot increase in channel width under the roadway and allow for increased conveyance during rainfall events. Proposed streambed regrading and channel widening will provide improvements in fish passage conditions and meet current WDFW fish passage requirements.

## PROVISIONS

- 1. TIMING LIMITATION:** You may begin the project on July 1, 2020, and you must complete the project by September 30, 2020. Strive to conduct the project when the stream has gone seasonally dry. If the channel is not dry, flow must be diverted around the work area with a coffer dam or bypass.
- 2. APPROVED PLANS:** You must accomplish the work per plans and specifications submitted with the application and approved by the Washington Department of Fish and Wildlife, entitled Standard Application, dated October 2, 2019, and revised plans, JARPA Modifications, and Tech Memo Update sent April 21, 2020, except as modified by this Hydraulic Project Approval. You must have a copy of the revised plans available on site during all phases of the project construction.
- 3. NOTIFICATION:** You, your agent, or contractor must contact the Washington Department of Fish and Wildlife by email at [hpaapplications@dfw.wa.gov](mailto:hpaapplications@dfw.wa.gov), or by phone at (360) 280-7458 at least three business days before starting work. The notification must include the permittee's name, project location, starting date, and the Hydraulic Project Approval permit number.
- 4. INVASIVE SPECIES CONTROL:** Follow Method 1 for low risk locations (i.e. clean/drain/dry). Thoroughly remove visible dirt and debris from all equipment and gear (including drive mechanisms, wheels, tires, tracks, buckets, and undercarriage) before arriving and leaving the job site to prevent the transport and introduction of invasive species. For contaminated or high risk sites please refer to the Method 2 Decontamination protocol. Properly dispose of any water and chemicals used to clean gear and equipment. You can find this and additional information in the Washington Department of Fish and Wildlife's "Invasive Species Management Protocols", available online at <https://wdfw.wa.gov/species-habitats/invasive/prevention>.
- 5. FISH KILL/ WATER QUALITY PROBLEM NOTIFICATION:** If a fish kill occurs or fish are observed in distress at the job site, immediately stop all activities causing harm. Immediately notify the Washington Department of Fish and Wildlife of the problem. If the likely cause of the fish kill or fish distress is related to water quality, also notify the Washington Military Department Emergency Management Division at 1-800-258-5990. Activities related to the fish kill



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or fish distress must not resume until the Washington Department of Fish and Wildlife gives approval. The Washington Department of Fish and Wildlife may require additional measures to mitigate impacts.

6. Establish staging areas (used for equipment storage, vehicle storage, fueling, servicing, and hazardous material storage) in a location and manner that will prevent contaminants such as petroleum products, hydraulic fluid, fresh concrete, sediments, sediment-laden water, chemicals, or any other toxic or harmful materials from entering waters of the state.

7. Limit the removal of native bankline vegetation to the minimum amount needed to construct the project.

8. Retain all natural habitat features on the bed or banks including large woody material and boulders. You may move these natural habitat features during construction but you must place them near the preproject location before leaving the job site.

9. Equipment used for this project may operate waterward of the ordinary high water line, provided the drive mechanisms (wheels, tracks, tires, etc.) do not enter or operate waterward of the ordinary high water line.

10. Check equipment daily for leaks and complete any required repairs in an upland location before using the equipment in or near the water.

11. Stage all equipment on the road. This Hydraulic Project Approval does not authorize equipment crossings of the stream.

### FISH LIFE REMOVAL

12. Isolate fish from the work area by using block nets. Place block nets upstream and downstream of the in-water work area before capturing and removing fish life.

13. All persons participating in capture and removal must have training, knowledge, and skills in the safe handling of fish life.

14. If electrofishing is conducted, a person with electrofishing training must be on-site to conduct or direct all electrofishing activities.

15. Capture and safely move fish life from the work area to the nearest suitable free-flowing water.

### IN-WATER WORK AREA ISOLATION USING BLOCK NETS

16. Install a block net upstream of the work site regardless of flow, to prevent unexpected precipitation causing upstream fish from washing into the work site, and maintain it as necessary during the project.

17. Install the upstream and downstream block nets at sites with reduced flow volume or velocity, uniform depth, and good accessibility.

18. Do not install block nets at sites with heavy vegetation, large cobble or boulders, undercut banks, or deep pools unless you can secure and maintain them.

19. Install block nets at an angle to the direction of flow (not perpendicular to the flow) to avoid entrapping fish in the nets.

20. After the first block net is secured at the upstream end, use a second block net to herd fish downstream and out of the project area.





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21. Install a downstream block net if fish may reenter the work area from downstream.
22. To anchor block nets, place bags filled with clean round gravel along the bottom of the nets.
23. Secure block nets along both banks and the channel bottom to prevent failure from debris accumulation, high flows, and/or flanking.
24. To keep fish out of the job site, leave block nets in place until the work is complete and conditions are suitable for fish.
25. Check block nets at least three times a day for entangled fish and accumulated debris.

### IN-WATER WORK AREA ISOLATION USING A TEMPORARY BYPASS

26. Isolate fish from the work area by using either a total or partial bypass to reroute the stream through a temporary channel or pipe.
27. Sequence the work to minimize the duration of dewatering.
28. Use the least-impacting feasible method to temporarily bypass water from the work area. Consider the physical characteristics of the site and the anticipated volume of water flowing through the work area.
29. Design the temporary bypass to minimize the length of the dewatered stream channel.
30. During all phases of bypass installation and decommissioning, maintain flows downstream of the project site to ensure survival of all downstream fish.
31. Install the temporary bypass before starting other construction work in the wetted perimeter.
32. Install a cofferdam or similar device at the upstream and downstream end of the bypass to prevent backwater from entering the work area.
33. Return diverted water to the channel immediately downstream of the work area. Dissipate flow energy from the diversion to prevent scour or erosion of the channel and bank.
34. If the bypass is a pumped diversion, once started it must run continuously until it is no longer necessary to bypass flows. This requires back-up pumps on-site and twenty-four-hour monitoring for overnight operation.
35. If the diversion inlet is a pump diversion in a fish-bearing stream, the pump intake structure must have a fish screen installed, operated, and maintained in accordance with RCW 77.57.010 and 77.57.070. Screen the pump intake with one of the following:
  - a) Perforated plate: 0.094 inch (maximum opening diameter);
  - b) Profile bar: 0.069 inch (maximum width opening); or
  - c) Woven wire: 0.087 inch (maximum opening in the narrow direction).The minimum open area for all types of fish screens is twenty-seven percent. The screened intake facility must have enough surface area to ensure that the velocity through the screen is less than 0.4 feet per second. Maintain fish screens to prevent injury or entrapment of fish.

36. The fish screen must remain in place whenever water is withdrawn from the stream through the pump intake.



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37. Remove fish screens on dewatering pumps in the isolated work area only after all fish are safe and excluded from the work area.

38. Isolate pump hose intakes with block nets so that fish cannot get near the intake.

### IN-WATER WORK AREA ISOLATION USING A COFFERDAM STRUCTURE

39. Use a cofferdam, dike, or similar structure to exclude water from the work area, if the stream is flowing.

40. Maintain water quality when installing and removing the cofferdam, dike or similar structure.

41. Install the cofferdam, dike or similar structure and remove fish prior to the start of other work in the wetted perimeter.

42. Route the construction water (wastewater) from the project to an upland area above the limits of anticipated floodwater. Remove fine sediment and other contaminants before discharging the construction water to waters of the state.

43. Sequence the work to minimize the duration of dewatering.

### CONSTRUCTION-RELATED SEDIMENT, EROSION AND POLLUTION CONTAINMENT

44. Protect all disturbed areas from erosion. Maintain erosion and sediment control until all work and cleanup of the job site is complete.

45. Straw used for erosion and sediment control, must be certified free of noxious weeds and their seeds.

46. Stop all hydraulic project activities except those needed to control erosion and siltation, if flow or precipitation conditions arise that will result in erosion or siltation of waters of the state.

47. Prevent project contaminants, such as petroleum products, hydraulic fluid, fresh concrete, sediments, sediment-laden water, chemicals, or any other toxic or harmful materials, from entering or leaching into waters of the state.

### REPLACEMENT CULVERT

48. Remove the existing culvert, and any imported fill. Restore the site to a similar width, depth, gradient, and substrate composition in the channel segments upstream and downstream from the crossing, unless it is apparent they will restore naturally with unconfined flow after the new culvert is installed and regrade occurs.

49. Minimize damage to the bed and banks when placing the culvert.

50. There must be no vertical drops in the streambed within the project area greater than 0.5 feet.

51. Use material for the approaches that is structurally stable and that will not harm fish life if it erodes into the water.

### DEMOBILIZATION AND CLEANUP

52. Do not relocate removed or replaced structures within waters of the state. Remove and dispose of these structures in an upland area above the limits of anticipated floodwater.

53. To prevent fish from stranding, backfill trenches, depressions, and holes in the bed that may entrain fish during high water or wave action, before flow is returned to the project area.

54. Revegetate disturbed areas as outlined in the Biological Evaluation that was included with the project file.



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55. Upon completion of the project, remove all materials or equipment from the site and dispose of all excess spoils and waste materials in an upland area above the limits of anticipated floodwater.

56. All erosion control materials that will remain onsite must be composed of 100% biodegradable materials.

57. Remove temporary erosion and sediment control methods after job site is stabilized or within three months of project completion, whichever is sooner.

LOCATION #1:	Site Name: Colony Mountain Drive and Culvert Creek , , WA					
WORK START:	May 5, 2020			WORK END:	September 30, 2020	
WRIA	Waterbody:			Tributary to:		
01 - Nooksack	Harrison Creek (rb)			Colony Creek		
1/4 SEC:	Section:	Township:	Range:	Latitude:	Longitude:	County:
NW 1/4	26	36 N	03 E	48.54475	-122.392652	Skagit
Location #1 Driving Directions						
From interstate 5, take exit 240 toward Lake Samish Road. After 0.2 miles, turn right onto Lake Samish Road. After 0.4 miles, turn right onto Colony Road. After 5.4 miles turn right onto Colony Mountatin Drive. You will arrive to the project site after 0.6 miles.						

### 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. 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 civil action against you, including, but not limited to, a stop work order or notice to comply, and/or a gross misdemeanor criminal charge, possibly punishable by fine and/or imprisonment.



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All Hydraulic Project Approvals issued under RCW 77.55.021 are subject to additional restrictions, conditions, or revocation if the Department of Fish and Wildlife determines that changed conditions require such action. The person(s) to whom this Hydraulic Project Approval is issued has the right to appeal those decisions. Procedures for filing appeals are listed below.

**MINOR MODIFICATIONS TO THIS HPA:** You may request approval of minor modifications to the required work timing or to the plans and specifications approved in this HPA unless this is a General HPA. If this is a General HPA you must use the Major Modification process described below. Any approved minor modification will require issuance of a letter documenting the approval. A minor modification to the required work timing means any change to the work start or end dates of the current work season to enable project or work phase completion. Minor modifications will be approved only if spawning or incubating fish are not present within the vicinity of the project. You may request subsequent minor modifications to the required work timing. A minor modification of the plans and specifications means any changes in the materials, characteristics or construction of your project that does not alter the project's impact to fish life or habitat and does not require a change in the provisions of the HPA to mitigate the impacts of the modification. If you originally applied for your HPA through the online Aquatic Protection Permitting System (APPS), you may request a minor modification through APPS. A link to APPS is at <http://wdfw.wa.gov/licensing/hpa/>. If you did not use APPS you must submit a written request that clearly indicates you are seeking a minor modification to an existing HPA. Written requests must include the name of the applicant, the name of the authorized agent if one is acting for the applicant, the APP ID number of the HPA, the date issued, the permitting biologist, the requested changes to the HPA, the reason for the requested change, the date of the request, and the requestor's signature. Send by mail to: Washington Department of Fish and Wildlife, PO Box 43234, Olympia, Washington 98504-3234, or by email to [HPAapplications@dfw.wa.gov](mailto:HPAapplications@dfw.wa.gov). You should allow up to 45 days for the department to process your request.

**MAJOR MODIFICATIONS TO THIS HPA:** You may request approval of major modifications to any aspect of your HPA. Any approved change other than a minor modification to your HPA will require issuance of a new HPA. If you originally applied for your HPA through the online Aquatic Protection Permitting System (APPS), you may request a major modification through APPS. A link to APPS is at <http://wdfw.wa.gov/licensing/hpa/>. If you did not use APPS you must submit a written request that clearly indicates you are requesting a major modification to an existing HPA. Written requests must include the name of the applicant, the name of the authorized agent if one is acting for the applicant, the APP ID number of the HPA, the date issued, the permitting biologist, the requested changes to the HPA, the reason for the requested change, the date of the request, and the requestor's signature. Send your written request by mail to: Washington Department of Fish and Wildlife, PO Box 43234, Olympia, Washington 98504-3234. You may email your request for a major modification to [HPAapplications@dfw.wa.gov](mailto:HPAapplications@dfw.wa.gov). You should allow up to 45 days for the department to process your request.

### APPEALS INFORMATION

If you wish to appeal the issuance, denial, conditioning, or modification of a Hydraulic Project Approval (HPA), Washington Department of Fish and Wildlife (WDFW) recommends that you first contact the department employee who issued or denied the HPA to discuss your concerns. Such a discussion may resolve your concerns without the need for further appeal action. If you proceed with an appeal, you may request an informal or formal appeal. WDFW encourages you to take advantage of the informal appeal process before initiating a formal appeal. The informal appeal process includes a review by department management of the HPA or denial and often resolves issues faster and with less legal complexity than the formal appeal process. If the informal appeal process does not resolve your concerns, you may advance your appeal to the formal process. You may contact the HPA Appeals Coordinator at (360) 902-2534 for more information.



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Washington Department of  
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A. INFORMAL APPEALS: WAC 220-660-460 is the rule describing how to request an informal appeal of WDFW actions taken under Chapter 77.55 RCW. Please refer to that rule for complete informal appeal procedures. The following information summarizes that rule.

A person who is aggrieved by the issuance, denial, conditioning, or modification of an HPA may request an informal appeal of that action. You must send your request to WDFW by mail to the HPA Appeals Coordinator, Department of Fish and Wildlife, Habitat Program, PO Box 43234, Olympia, Washington 98504-3234; e-mail to [HPAapplications@dfw.wa.gov](mailto:HPAapplications@dfw.wa.gov); fax to (360) 902-2946; or hand-delivery to the Natural Resources Building, 1111 Washington St SE, Habitat Program, Fifth floor. WDFW must receive your request within 30 days from the date you receive notice of the decision. If you agree, and you applied for the HPA, resolution of the appeal may be facilitated through an informal conference with the WDFW employee responsible for the decision and a supervisor. If a resolution is not reached through the informal conference, or you are not the person who applied for the HPA, the HPA Appeals Coordinator or designee may conduct an informal hearing or review and recommend a decision to the Director or designee. If you are not satisfied with the results of the informal appeal, you may file a request for a formal appeal.

B. FORMAL APPEALS: WAC 220-660-470 is the rule describing how to request a formal appeal of WDFW actions taken under Chapter 77.55 RCW. Please refer to that rule for complete formal appeal procedures. The following information summarizes that rule.

A person who is aggrieved by the issuance, denial, conditioning, or modification of an HPA may request a formal appeal of that action. You must send your request for a formal appeal to the clerk of the Pollution Control Hearings Boards and serve a copy on WDFW within 30 days from the date you receive notice of the decision. You may serve WDFW by mail to the HPA Appeals Coordinator, Department of Fish and Wildlife, Habitat Program, PO Box 43234, Olympia, Washington 98504-3234; e-mail to [HPAapplications@dfw.wa.gov](mailto:HPAapplications@dfw.wa.gov); fax to (360) 902-2946; or hand-delivery to the Natural Resources Building, 1111 Washington St SE, Habitat Program, Fifth floor. The time period for requesting a formal appeal is suspended during consideration of a timely informal appeal. If there has been an informal appeal, you may request a formal appeal within 30 days from the date you receive the Director's or designee's written decision in response to the informal appeal.

C. FAILURE TO APPEAL WITHIN THE REQUIRED TIME PERIODS: If there is no timely request for an appeal, the WDFW action shall be final and unappealable.

Habitat Biologist Wendy.Cole@dfw.wa.gov  
Wendy Cole 360-466-4345, Ext:272

for Director  
WDFW



DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS, SEATTLE DISTRICT  
P.O. BOX 3755  
SEATTLE, WASHINGTON 98124-3755

Regulatory Branch

June 5, 2020

Mr. David Walde  
Skagit County Public Works  
1800 Continental Place  
Mount Vernon, Washington 98273

Reference: NWS-2019-673  
Skagit County Public  
Works  
(Colony Mountain Drive  
Culvert Replacement)

Dear Mr. Walde:

We have reviewed your application to excavate 745 cubic yards of gravel and road fill, and place 234 cubic yards of backfill and 255 cubic yards of streambed mix waterward of the ordinary high water mark to replace an existing 65-foot long, 24-inch diameter culvert with a 78-foot long, 11-foot diameter fish passable culvert in Harrison Creek near Bow, Skagit County, Washington. Based on the information you provided to us, Nationwide Permit (NWP) 14, *Linear Transportation Projects* (Federal Register January 6, 2017, Vol. 82, No. 4), authorizes your proposal as depicted on the enclosed drawings dated April 21, 2020.

In order for this authorization to be valid, you must ensure the work is performed in accordance with the enclosed *NWP 14, Terms and Conditions* and the following special conditions:

- a. You must implement and abide by the Endangered Species Act (ESA) requirements and/or agreements set forth in the *Biological Evaluation No Effect Letter*, dated July 30, 2019, in its entirety. The U.S. Army Corps of Engineers (Corps) made a determination of No Effect for USFWS ESA listed species and critical habitat based on this document. Failure to comply with the commitments made in this document constitutes non-compliance with the ESA and your Corps permit.
- b. In order to meet the requirements of the Endangered Species Act (ESA) and Magnuson-Stevens Fishery Conservation and Management Act (MSA) programmatic consultation Fish Passage and Restoration Actions in Washington State (FPRP III)

- (National Marine Fisheries Service (NMFS) Reference Number WCRO-2014-00004), you must implement and abide by the ESA requirements and/or agreements set forth in the Biological Opinion (BO) dated June 21, 2017, and the Project Information Form dated May 19, 2020 in the enclosed document Appendix A: FPRP III Guidelines and Implementation Forms (NMFS Reference Number WCRO-2014-00004-1891). The BO is available on the U.S. Army Corps of Engineers (Corps) website (Permit Guidebook, Endangered Species, Programmatic Consultations, Fish Passage and Restoration Programmatic Consultations). Within 45 days of completing the permitted work in waters of the U.S., you must provide the Corps the information requested in the FPRP Action Completion Reporting Form in the enclosed document Appendix A: FPRP III Guidelines and Implementation Forms. If fish salvage occurs as part of your project, you must also provide the Corps the information requested in the FPRP Fish Salvage Reporting Form in the enclosed document Appendix A: FPRP III Guidelines and Implementation Forms, within 45 days of completing the permitted work in waters of the U.S. All information must prominently display the reference number NWS-2019-673. Failure to comply with these requirements constitutes non-compliance with the ESA and your Corps permit. The NMFS is the appropriate authority to determine compliance with the terms and conditions of their BO and with the ESA. If you cannot comply with the terms and conditions of this programmatic consultation, you must, prior to commencing construction, contact the Corps, Seattle District, Regulatory Branch for an individual consultation in accordance with the requirements of the ESA and/or the MSA.
- c. Incidents where any individuals of fish species, marine mammals and/or sea turtles listed by National Oceanic and Atmospheric Administration Fisheries (NOAA Fisheries) under the Endangered Species Act appear to be injured or killed as a result of discharges of dredged or fill material into waters of the U.S. or structures or work in navigable waters of the U.S. authorized by this Nationwide Permit verification shall be reported to NOAA Fisheries, Office of Protected Resources at (301) 713-1401 and the Regulatory Office of the Seattle District of the U.S. Army Corps of Engineers at (206) 764-3495. The finder should leave the animal alone, make note of any circumstances likely causing the death or injury, note the location and number of individuals involved and, if possible, take photographs. Adult animals should not be disturbed unless circumstances arise where they are obviously injured or killed by discharge exposure or some unnatural cause. The finder may be asked to carry out instructions provided by NOAA Fisheries to collect specimens or take other measures to ensure that evidence intrinsic to the specimen is preserved.
  - d. In order to meet the requirements of the Endangered Species Act you may conduct the authorized activities from July 1 through September 30 in any year this permit is

valid. You shall not conduct work authorized by this permit from October 1 through June 30 in any year this permit is valid.

We have reviewed your project pursuant to the requirements of the Endangered Species Act, the Magnuson-Stevens Fishery Conservation and Management Act and the National Historic Preservation Act. We have determined this project complies with the requirements of these laws provided you comply with all of the permit general and special conditions.

Please be reminded that Special Condition “b” of your permit requires that you implement and abide by the Endangered Species Act (ESA) requirements set forth in the programmatic Biological Opinion (BO) for this project. In particular, within 45 days of project completion, you must provide the Action Completion Reporting Form as described in the BO.

The authorized work complies with the Washington State Department of Ecology’s (Ecology) Water Quality Certification (WQC) requirements and Coastal Zone Management (CZM) consistency determination response for this NWP. No further coordination with Ecology for WQC and CZM is required.

You have not requested a jurisdictional determination for this proposed project. If you believe the U.S. Army Corps of Engineers does not have jurisdiction over all or portions of your project you may request a preliminary or approved jurisdictional determination (JD). If one is requested, please be aware that we may require the submittal of additional information to complete the JD and work authorized in this letter may not occur until the JD has been completed.

Our verification of this NWP authorization is valid until March 18, 2022, unless the NWP is modified, reissued, or revoked prior to that date. If the authorized work has not been completed by that date and you have commenced or are under contract to commence this activity before March 18, 2022, you will have until March 18, 2023, to complete the activity under the enclosed terms and conditions of this NWP. Failure to comply with all terms and conditions of this NWP verification invalidates this authorization and could result in a violation of Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act. You must also obtain all local, State, and other Federal permits that apply to this project.

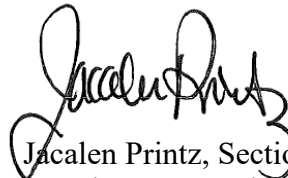
You are cautioned that any change in project location or plans will require that you submit a copy of the revised plans to this office and obtain our approval before you begin work. Deviating from the approved plans could result in the assessment of criminal or civil penalties.

Upon completing the authorized work, you must fill out and return the enclosed *Certificate of Compliance with Department of the Army Permit*. Thank you for your cooperation during the permitting process. We are interested in your experience with our Regulatory Program and



encourage you to complete a customer service survey. These documents and information about our program are available on our website at [www.nws.usace.army.mil](http://www.nws.usace.army.mil), select "Regulatory Branch, Permit Information" and then "Contact Us." A copy of this letter with enclosures will be furnished to Ms. Emily Hurn and Ms. Fiona McNair. If you have any questions, please contact the project manager, Ms. Jennifer Lang at [jennifer.w.lang@usace.army.mil](mailto:jennifer.w.lang@usace.army.mil) or (206) 764-6071.

Sincerely,

A handwritten signature in black ink, appearing to read "Jacalen Printz". The signature is stylized with a large, looping initial "J" and a trailing flourish.

Jacalen Printz, Section Chief  
Regulatory Branch

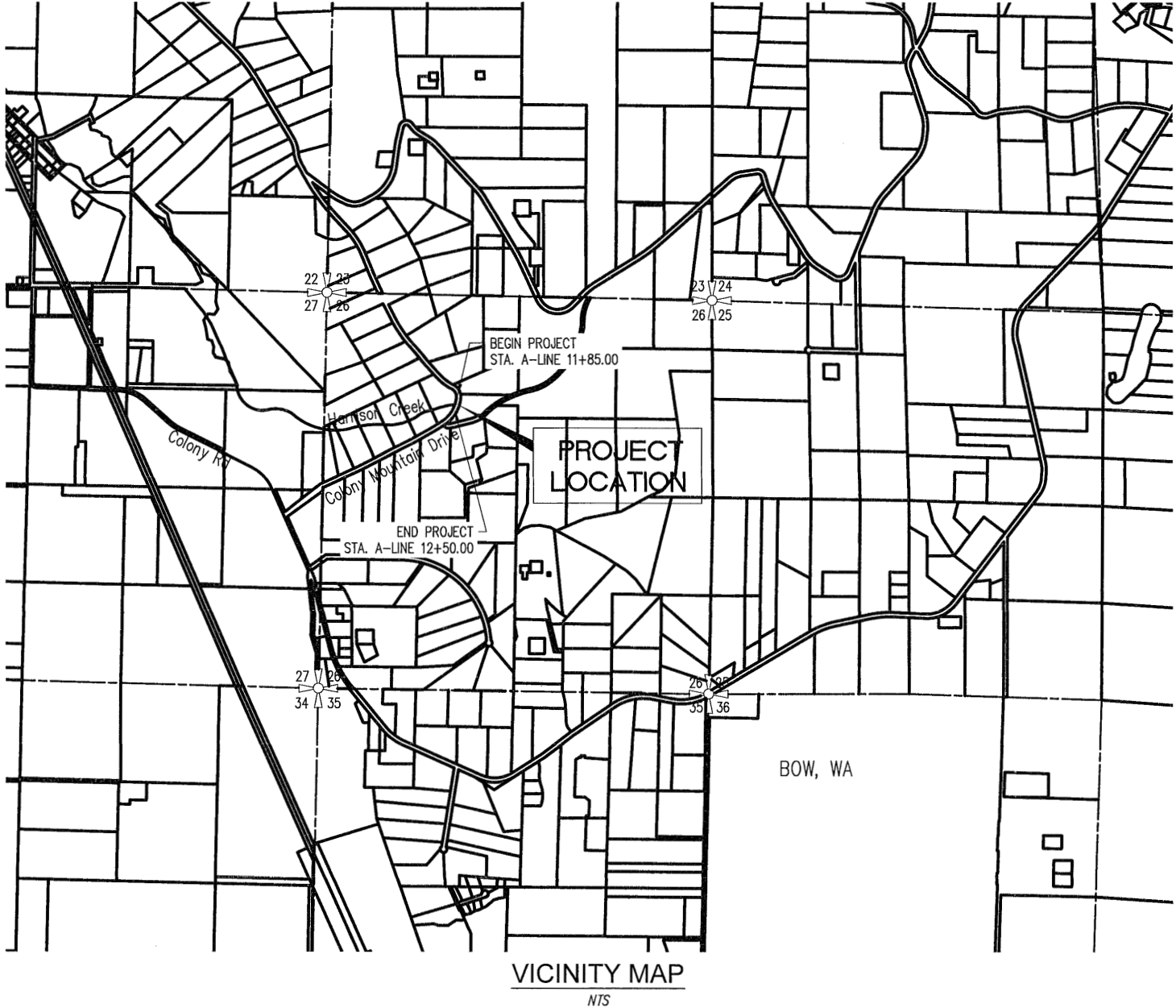
Enclosures

**APPENDIX F**

**Vicinity Maps & Plans**

SKAGIT COUNTY  
COLONY MOUNTAIN DRIVE CULVERT REPLACEMENT PROJECT  
(COLONY MOUNTAIN DRIVE) PROJECT No. ES24100-2

SEC. 26, T. 36N., R. 3E., W.M.  
Skagit County, Washington



SKAGIT COUNTY OFFICIALS

BOARD OF COMMISSIONERS  
•RON WESEN, CHAIR  
•KENNETH A. DAHLSTEDT, COMMISSIONER  
•LISA JANICKI, COMMISSIONER

PUBLIC WORKS  
•DAN BERENTSON, DIRECTOR

*Paul A. Randall-Grutter*  
PAUL A. RANDALL-GRUTTER, P.E., COUNTY ENGINEER DATE 6.22.2020

SHEET INDEX	
SHEET NO.	DESCRIPTION
1	COVER SHEET AND VICINITY MAP
2	SHEET INDEX, SUMMARY OF QUANTITIES AND ABBREVIATIONS
3	EXISTING CONDITIONS
4	RIGHT-OF-WAY PLAN
5	SITE PREPARATION
6	TESC PLAN
7	SITE PLAN
8	CHANNEL PROFILE AND DETAILS
9	CHANNEL SECTIONS AND DETAILS
10	ROADWAY PLAN
11	TYPICAL ROADWAY SECTION
12	CLASS A SIGNING



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SKAGIT COUNTY  
PUBLIC WORKS  
1800 CONTINENTAL PLACE  
MOUNT VERNON, WA 98273-5625  
(360) 416-1400 FAX (360) 416-1405

NO.	REVISIONS	DATE

DESIGN ENGINEER  
**kpf**  
1601 5th Avenue, Suite 1600  
Seattle, WA 98101  
206.622.5822  
www.kpf.com



PROJECT NO.: ES24100-2  
FED. AID NO.: N/A  
DESIGNED BY: CNH  
CHECKED BY: PDS  
DRAWN BY: SHB  
APPROVED BY: ERM  
PROJECT LOCATED NEAR:  
COLONY MOUNTAIN DRIVE

COLONY MOUNTAIN DRIVE CULVERT  
REPLACEMENT PROJECT  
COLONY MOUNTAIN DRIVE  
COVER SHEET AND VICINITY MAP

1 INCH SCALE BAR  
ADJUST SCALE ACCORDINGLY  
SHEET  
1 OF 12

SUMMARY OF QUANTITIES				
ITEM NO.	SPEC.	ITEM NAME	UNIT	QUANTITY
1	1-09.7	MOBILIZATION	LS	1
2	2-01.5	CLEARING AND GRUBBING	ACRE	0.1
3	2-02.5	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
4	2-03.5	ROADWAY EXCAVATION INCL. HAUL	CY	90
5	2-03.5	CHANNEL EXCAVATION INCL. HAUL	CY	75
6	2-09.5	STRUCTURAL EXCAVATION CLASS B INCL. HAUL	CY	1250
7	2-09.5	SHORING OR EXTRA EXCAVATION CLASS B	SF	1716
8	2-03.5	EMBANKMENT COMPACTION	CY	1250
9	8-15.3	QUARRY SPALLS	CY	65
10	2-03.5	GRAVEL BORROW INCL. HAUL	CY	125
11	9-03.14(2)	GRAVEL BACKFILL FOR PIPE ZONE BEDDING	CY	800
12	7-11-SP	STREAMBED SEDIMENT	TON	170
13	7-10-SP	STREAMBED BOULDER ONE MAN	EA	7
14	7-13-SP	STREAMBED MIX	TON	190
15	7-03-SP	11'-0" DIA. MULTI-PLATE ROUND ALUMINUM CULVERT	LF	78
16	2-12	CONSTRUCTION GEOTEXTILE FOR SEPARATION	SY	12
17	4-04.5	CRUSHED SURFACING BASE COURSE	TON	165
18	4-04.5	CRUSHED SURFACING TOP COURSE	TON	30
19	5-04.5	HMA CL. 1/2" PG 58H-22	TON	30
20	5-04.5	HMA SAWCUT AND SEAL	LF	44
21	5-04.3(14)	PLANING BITUMINOUS PAVEMENT	SY	45
22	7-06-SP	TEMPORARY STREAM DIVERSION	LS	1
23	7-06-SP	FISH EXCLUSION	FA	1
24	8-02.5	SEEDING AND MULCHING	ACRE	0.1
25	9-14.5(9)	HIGH VISIBILITY SILT FENCE	LF	465
26	8-02.5-SP	REVEGETATION	LS	1
27	8-22	PAINT LINE	LF	265
28	1-10.5	PROJECT TEMPORARY TRAFFIC CONTROL	LS	1
29	1-09.6-SP	UNANTICIPATED SITE WORK	FA	1
30	1-04.2	ROADWAY SURVEYING	LS	1
31	1-04.2	STRUCTURE SURVEYING	LS	1

APPROX	APPROXIMATELY
BH	BORE HOLE PATCH
BRG	BEARING
BVC	BEGIN VERTICAL CURVE
CL	CENTERLINE
CL	CLASS
CONC	CONCRETE
CONST	CONSTRUCTION
CPP	CONCRETE PRESSURE PIPE
E	EASTING
EL	ELEVATION
EVC	END VERTICAL CURVE
EXIST	EXISTING
HMA	HOT MIX ASPHALT
IE	INVERT ELEVATION
IN	INCH
L	LENGTH
LT	LEFT
MAX	MAXIMUM
MIN	MINIMUM
N	NORTHING
NTS	NOT TO SCALE
OH/E	OVERHEAD ELECTRIC
OHW	ORDINARY HIGH WATER
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
R	RADIUS
RD	ROAD
RT	RIGHT
R/W	RIGHT OF WAY
SHLDR	SHOULDER
SPEC	SPECIFICATION
STA	STATION
STD	STANDARD
TEMP	TEMPORARY
TYP	TYPICAL
'	FOOT
"	INCH
VC	VERTICAL CURVE



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**COLONY MOUNTAIN DRIVE CULVERT  
REPLACEMENT PROJECT  
COLONY MOUNTAIN DRIVE**

---

**SHEET INDEX, SUMMARY OF  
QUANTITIES, AND ABBREVIATIONS**

1 INCH SCALE BAR  
ADJUST SCALE ACCORDINGLY

SHEET  
2 OF 12

**Kpf**

1601 5th Avenue, Suite 1600  
Seattle, WA 98101  
206.622-5822  
[www.kpfir.com](http://www.kpfir.com)

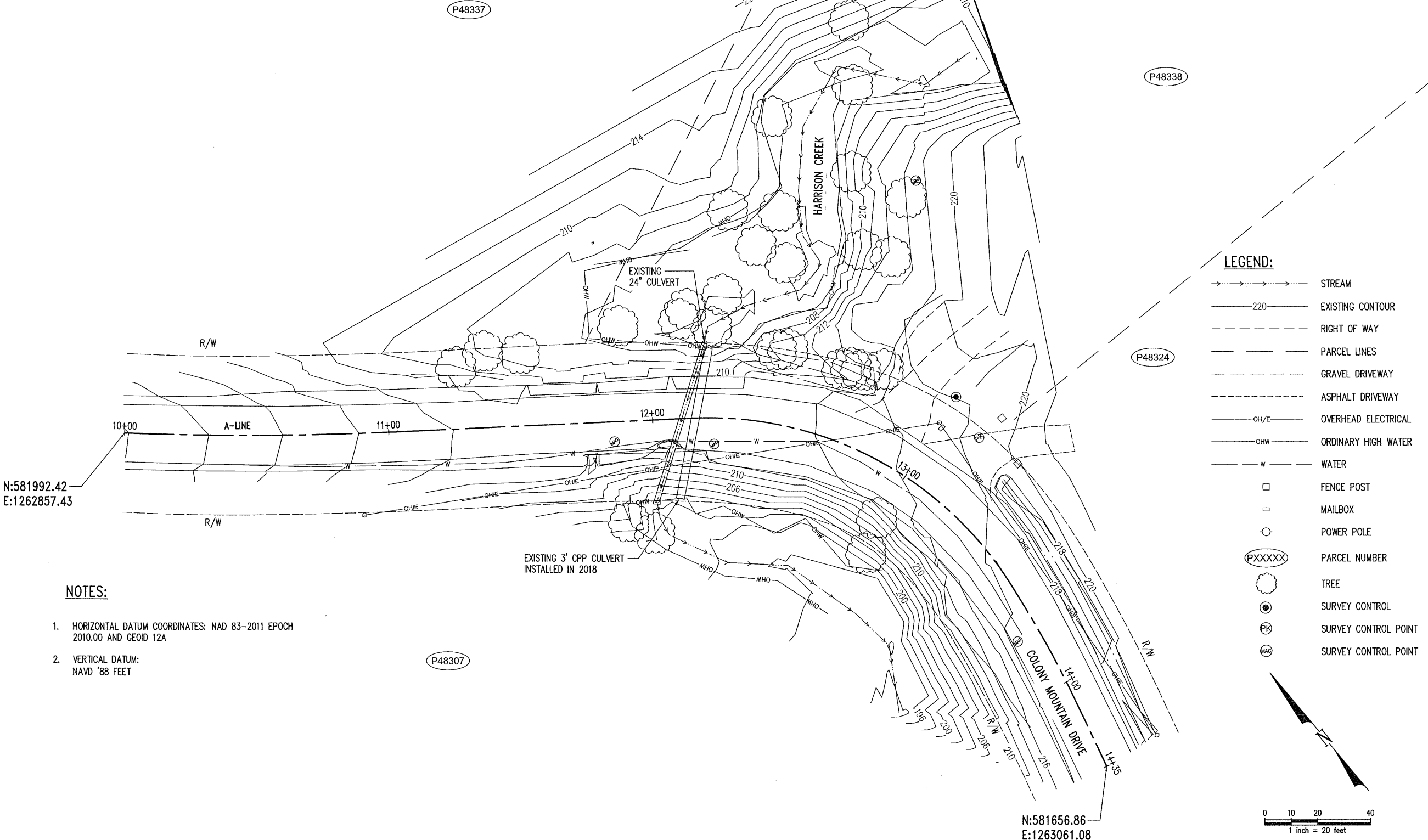
**RONALD J. LEINKHÖLER**  
STATE OF WASHINGTON  
REGISTERED  
2006  
REAL ESTATE  
AGENT  
TOLL  
FREE  
H: 206-265-1220

PROJECT NO.: 30471002	
DESIGNED BY: CNH	DRAWN BY: SHB
CHECKED BY: PDS	APPROVED BY: ERM
PROJECT LOCATED NEAR: COLONY MOUNTAIN DRIVE	

[illegible]

**SKAGIT COUNTY  
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(360) 416-1400 FAX (360) 416-1405

SEC. 26, T. 36N., R. 3E., W.M.  
SKAGIT COUNTY, WASHINGTON



N:581992.42  
E:1262857.43

N:581656.86  
E:1263061.08

NOTES:

1. HORIZONTAL DATUM COORDINATES: NAD 83-2011 EPOCH 2010.00 AND GEOID 12A
2. VERTICAL DATUM: NAVD '88 FEET

LEGEND:

- → → → → STREAM
- 220 — EXISTING CONTOUR
- - - - - RIGHT OF WAY
- - - - - PARCEL LINES
- - - - - GRAVEL DRIVEWAY
- - - - - ASPHALT DRIVEWAY
- OH/E — OVERHEAD ELECTRICAL
- OHW — ORDINARY HIGH WATER
- W — WATER
- FENCE POST
- MAILBOX
- POWER POLE
- (PXXXXX) PARCEL NUMBER
- TREE
- SURVEY CONTROL
- SURVEY CONTROL POINT
- SURVEY CONTROL POINT

0 10 20 40  
1 inch = 20 feet



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MOUNT VERNON, WA 98273-5625  
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NO.	REVISIONS	DATE

**kpff**  
DESIGN ENGINEER  
1601 5th Avenue, Suite 1600  
Seattle, WA 98101  
206.622.5822  
www.kpff.com



PROJECT NO.: ES24100-2	FED. AID NO.: N/A	DESIGNED BY: CNH	DRAWN BY: SHB	CHECKED BY: PDS	APPROVED BY: ERM
PROJECT LOCATED NEAR: COLONY MOUNTAIN DRIVE				EXISTING CONDITIONS	

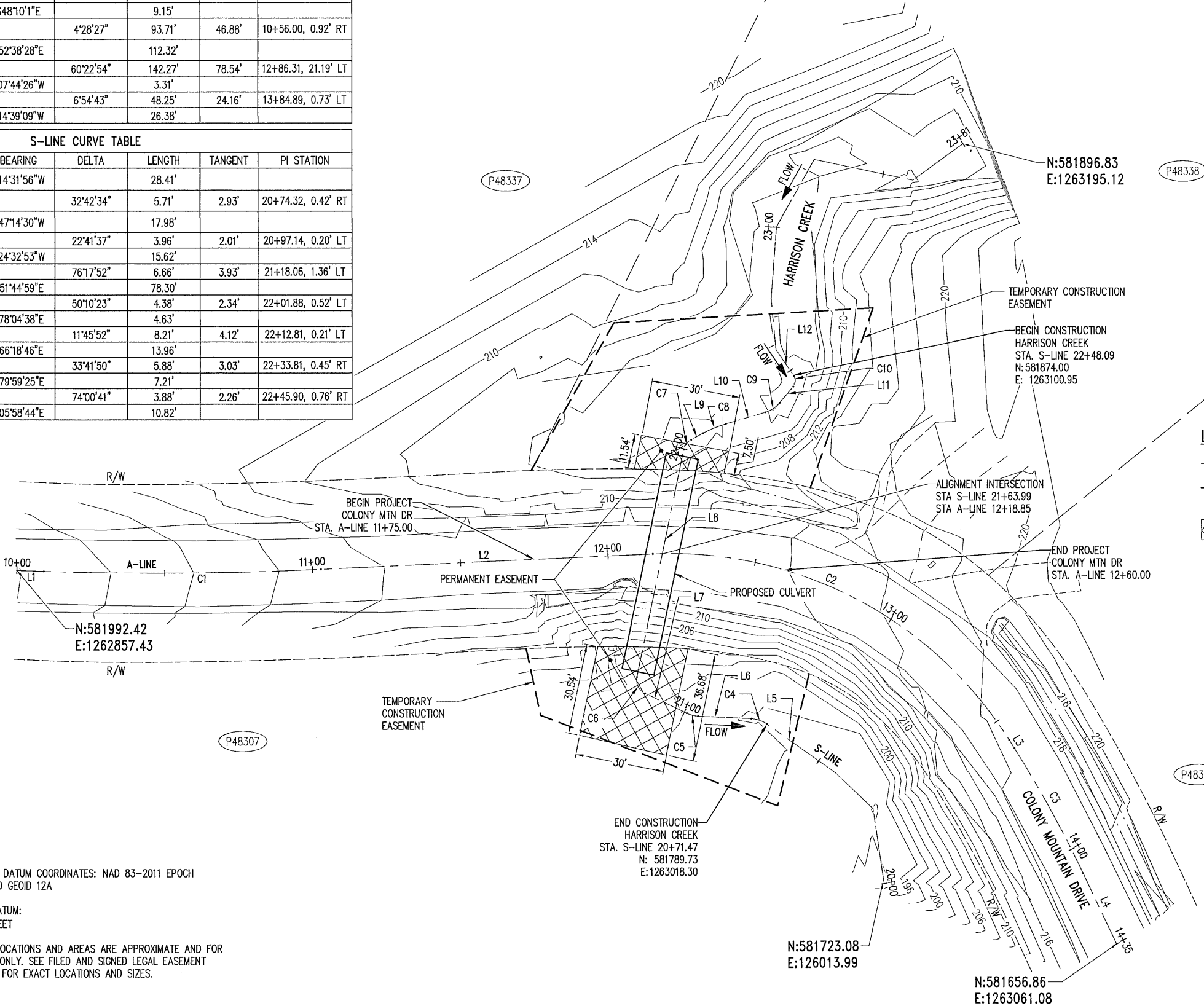
**COLONY MOUNTAIN DRIVE CULVERT  
REPLACEMENT PROJECT**  
COLONY MOUNTAIN DRIVE  
EXISTING CONDITIONS

1 INCH SCALE BAR  
ADJUST SCALE ACCORDINGLY  
SHEET  
3 OF 12

SEC. 26, T. 36N., R. 3E., W.M.  
SKAGIT COUNTY, WASHINGTON

A-LINE CURVE TABLE						
CURVE NO.	RADIUS	BEARING	DELTA	LENGTH	TANGENT	PI STATION
L1		S48°10'1"E		9.15'		
C1	1,200'		4°28'27"	93.71'	46.88'	10+56.00, 0.92' RT
L2		S52°38'28"E		112.32'		
C2	135'		60°22'54"	142.27'	78.54'	12+86.31, 21.19' LT
L3		S07°44'26"W		3.31'		
C3	400'		6°54'43"	48.25'	24.16'	13+84.89, 0.73' LT
L4		S14°39'09"W		26.38'		

S-LINE CURVE TABLE						
CURVE NO.	RADIUS	BEARING	DELTA	LENGTH	TANGENT	PI STATION
L5		N14°31'56"W		28.41'		
C4	10'		32°42'34"	5.71'	2.93'	20+74.32, 0.42' RT
L6		N47°14'30"W		17.98'		
C5	10'		22°41'37"	3.96'	2.01'	20+97.14, 0.20' LT
L7		N24°32'53"W		15.62'		
C6	5'		76°17'52"	6.66'	3.93'	21+18.06, 1.36' LT
L8		N51°44'59"E		78.30'		
C7	5'		50°10'23"	4.38'	2.34'	22+01.88, 0.52' LT
L9		S78°04'38"E		4.63'		
C8	40'		11°45'52"	8.21'	4.12'	22+12.81, 0.21' LT
L10		S66°18'46"E		13.96'		
C9	10'		33°41'50"	5.88'	3.03'	22+33.81, 0.45' RT
L11		N79°59'25"E		7.21'		
C10	3'		74°00'41"	3.88'	2.26'	22+45.90, 0.76' RT
L12		N05°58'44"E		10.82'		



NOTES:

- HORIZONTAL DATUM COORDINATES: NAD 83-2011 EPOCH 2010.00 AND GEOID 12A
- VERTICAL DATUM: NAVD '88 FEET
- EASEMENT LOCATIONS AND AREAS ARE APPROXIMATE AND FOR REFERENCE ONLY. SEE FILED AND SIGNED LEGAL EASEMENT DOCUMENTS FOR EXACT LOCATIONS AND SIZES.

SKAGIT COUNTY  
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DESIGN ENGINEER  
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Seattle, WA 98101  
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PROJECT NO.: ES24103-2  
FED. AID NO.: N/A  
DESIGNED BY: CNH  
CHECKED BY: PDS  
DRAWN BY: SHB  
APPROVED BY: ERM  
PROJECT LOCATED NEAR:  
COLONY MOUNTAIN DRIVE

COLONY MOUNTAIN DRIVE CULVERT  
REPLACEMENT PROJECT  
COLONY MOUNTAIN DRIVE  
RIGHT-OF-WAY PLAN

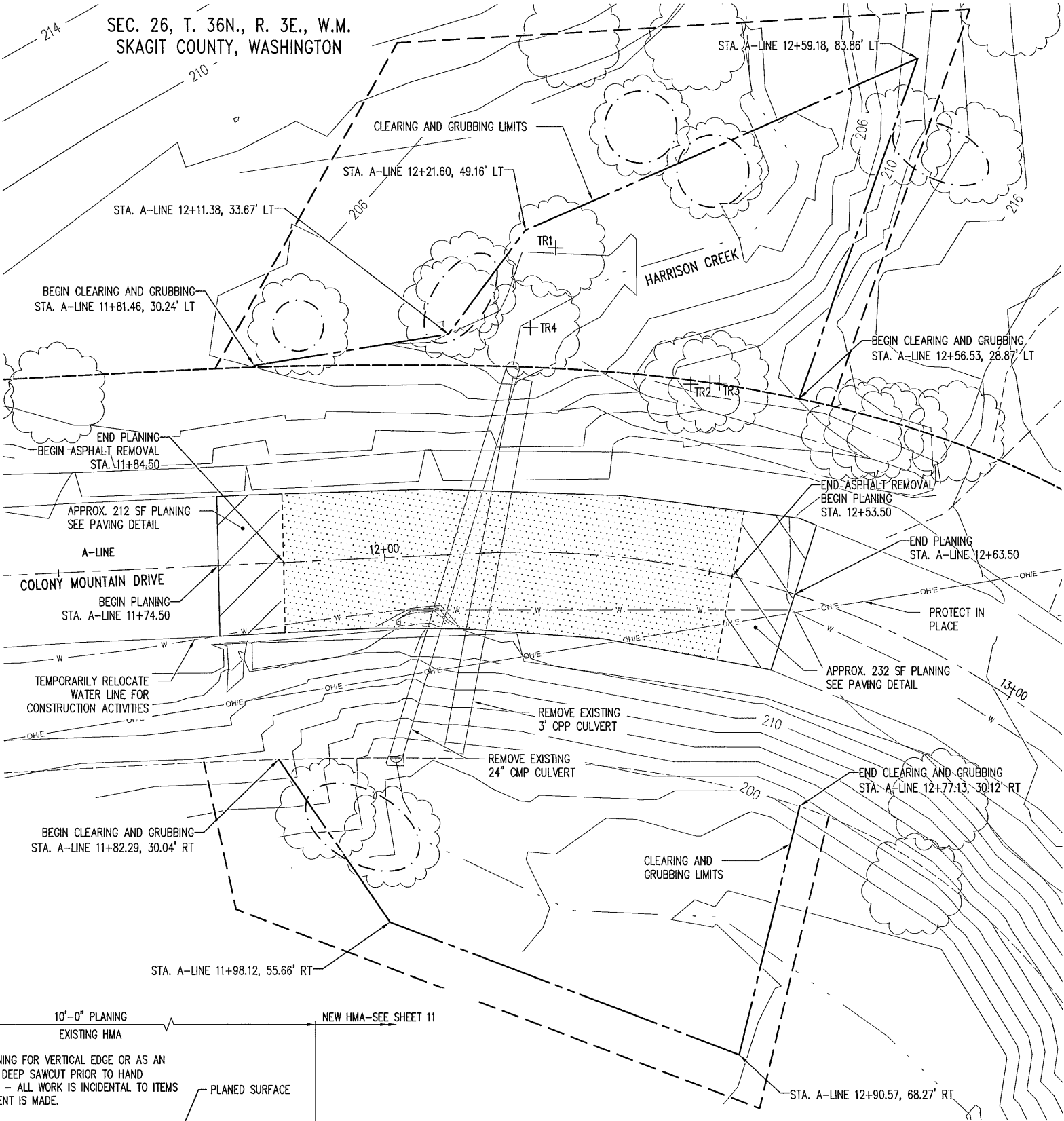
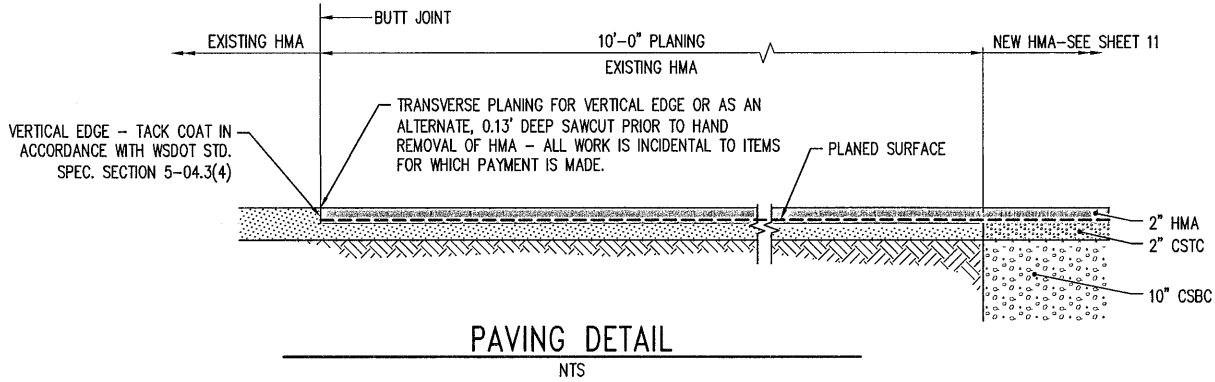
1 INCH SCALE BAR  
ADJUST SCALE ACCORDINGLY  
SHEET  
4 OF 12

TREE REMOVAL TABLE				
ID	TYPE	TRUNK SIZE	PARCEL #	STATION/OFFSET
TR1	D	10"	P48338	STA. A-LINE 12+25.06, 46.56' LT
TR2	D	14"	ROW	STA. A-LINE 12+42.70, 27.64' LT
TR3	C	6"	P48338	STA. A-LINE 12+46.25, 28.56' LT
TR4	D	12"	P48338	STA. A-LINE 12+22.21, 34.29' LT

D = DECIDUOUS TREE  
C = CONIFEROUS TREE

### CONSTRUCTION NOTES:

- UTILITIES SHOWN FOR INFORMATION ONLY, CONTRACTOR SHALL VERIFY PRIOR TO CONSTRUCTION ACTIVITIES.
- STOCKPILE EXISTING TREES AND WOOD REMOVED WITHIN THE CLEARING LIMITS FOR REUSE IN CONSTRUCTION.
- REMOVE ALL EXISTING QUARRY SPALLS WITHIN THE LIMITS OF STREAM CHANNEL WORK.
- CONTRACTOR TO COORDINATE WITH COLONY MTN. COMMUNITY CLUB FOR TEMPORARY WATER LINE RELOCATION DURING CONSTRUCTION.



### LEGEND:

- RIGHT OF WAY
- SAWCUT
- OH/E --- OVERHEAD ELECTRICAL
- W --- WATER
- TEMPORARY CONSTRUCTION EASEMENT
- CLEARING AND GRUBBING LIMITS
- GRAVEL DRIVEWAY
- REMOVE ASPHALT CONCRETE PAVEMENT, FULL DEPTH
- PLANING BITUMINOUS PAVEMENT
- PROTECT IN PLACE
- TR# TREE REMOVAL ID



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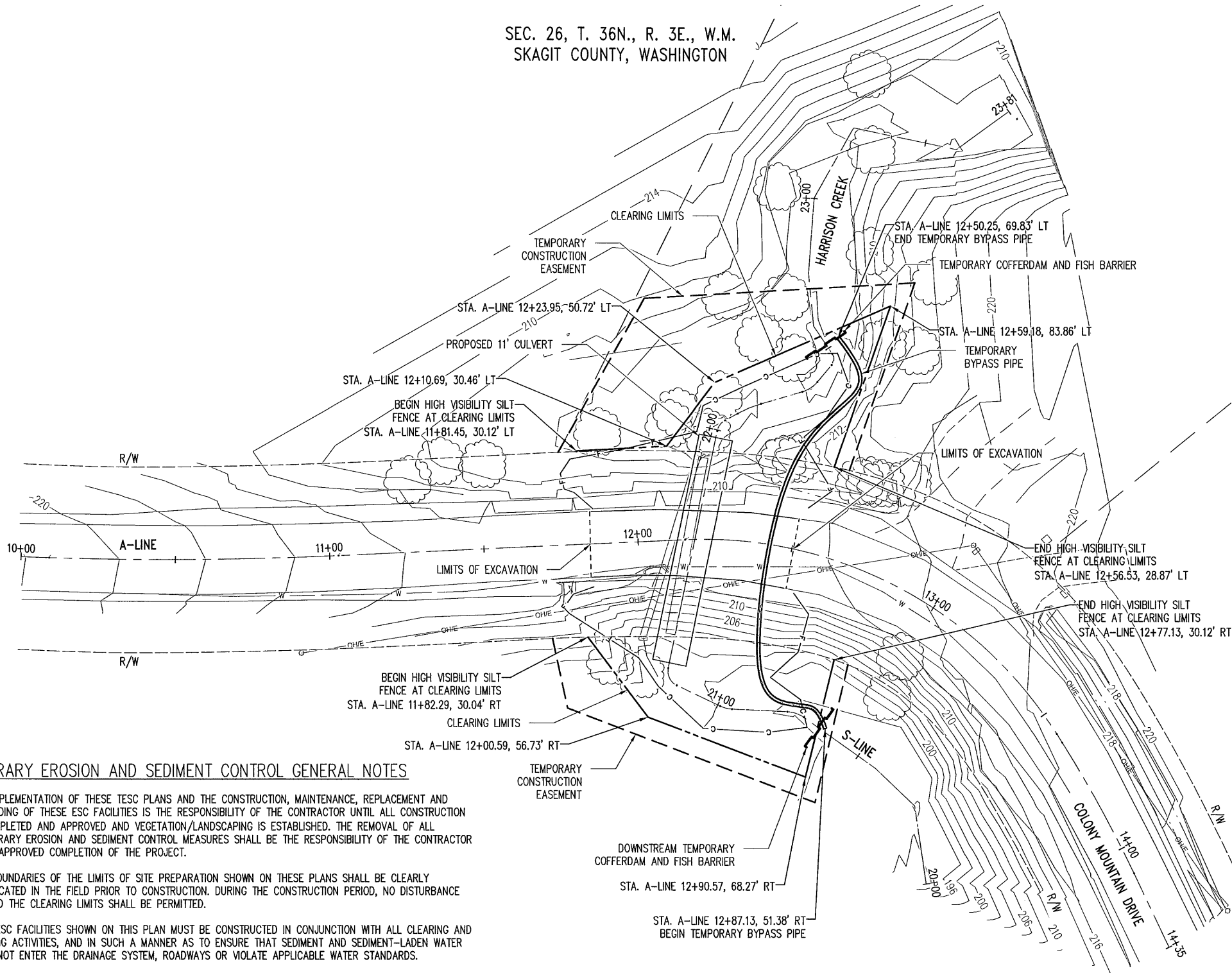
PROJECT NO.: ES24100-2	FED. AID NO.: N/A
DESIGNED BY: CNH	DRAWN BY: SHB
CHECKED BY: PDS	APPROVED BY: ERM
PROJECT LOCATED NEAR: COLONY MOUNTAIN DRIVE	

COLONY MOUNTAIN DRIVE CULVERT  
REPLACEMENT PROJECT  
COLONY MOUNTAIN DRIVE  
SITE PREPARATION

1 INCH SCALE BAR  
ADJUST SCALE ACCORDINGLY

SHEET  
5 OF 12

SEC. 26, T. 36N., R. 3E., W.M.  
SKAGIT COUNTY, WASHINGTON

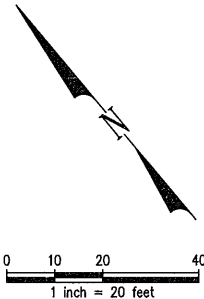


TEMPORARY EROSION AND SEDIMENT CONTROL GENERAL NOTES

- 1. THE IMPLEMENTATION OF THESE TESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED. THE REMOVAL OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UPON APPROVED COMPLETION OF THE PROJECT.
- 2. THE BOUNDARIES OF THE LIMITS OF SITE PREPARATION SHOWN ON THESE PLANS SHALL BE CLEARLY DEMARCATED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED.
- 3. THE TESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS OR VIOLATE APPLICABLE WATER STANDARDS.
- 4. THE TESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS DURING THE WET SEASON. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DOES NOT LEAVE THE SITE.
- 5. ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH APPROVED BMP METHODS (E.G. SEEDING, MULCHING, PLASTIC COVERING, ETC.).
- 6. ANY AREA NEEDING BMP MEASURES NOT REQUIRING IMMEDIATE ATTENTION SHALL BE ADDRESSED WITHIN TEN (10) DAYS.

LEGEND:

- PARCEL LINE
- RIGHT OF WAY
- CUT LIMIT OF EXCAVATION
- FILL LIMIT OF EXCAVATION
- TEMPORARY CONSTRUCTION EASEMENT
- CLEARING AND GRUBBING LIMITS
- SAWCUT
- GRAVEL DRIVEWAY
- ASPHALT DRIVEWAY
- WATER
- OVERHEAD ELECTRICAL
- FENCE POST
- MAILBOX
- POWER POLE
- TREE



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SKAGIT COUNTY  
PUBLIC WORKS

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NO.	REVISIONS	DATE

DESIGN ENGINEER

**kptf**

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ENGINEER OF RECORD

1601 5th Avenue, Suite 1600  
Seattle, WA 98101  
206.622.5822  
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PROJECT NO.: ES24100-2	FED. AID NO.: N/A	DESIGNED BY: SHB	DRAWN BY: SHB	CHECKED BY: PDS	APPROVED BY: ERM
PROJECT LOCATED NEAR: COLONY MOUNTAIN DRIVE					

COLONY MOUNTAIN DRIVE CULVERT  
REPLACEMENT PROJECT  
COLONY MOUNTAIN DRIVE

TESC PLAN

1 INCH SCALE BAR  
ADJUST SCALE ACCORDINGLY

SHEET  
6 OF 12

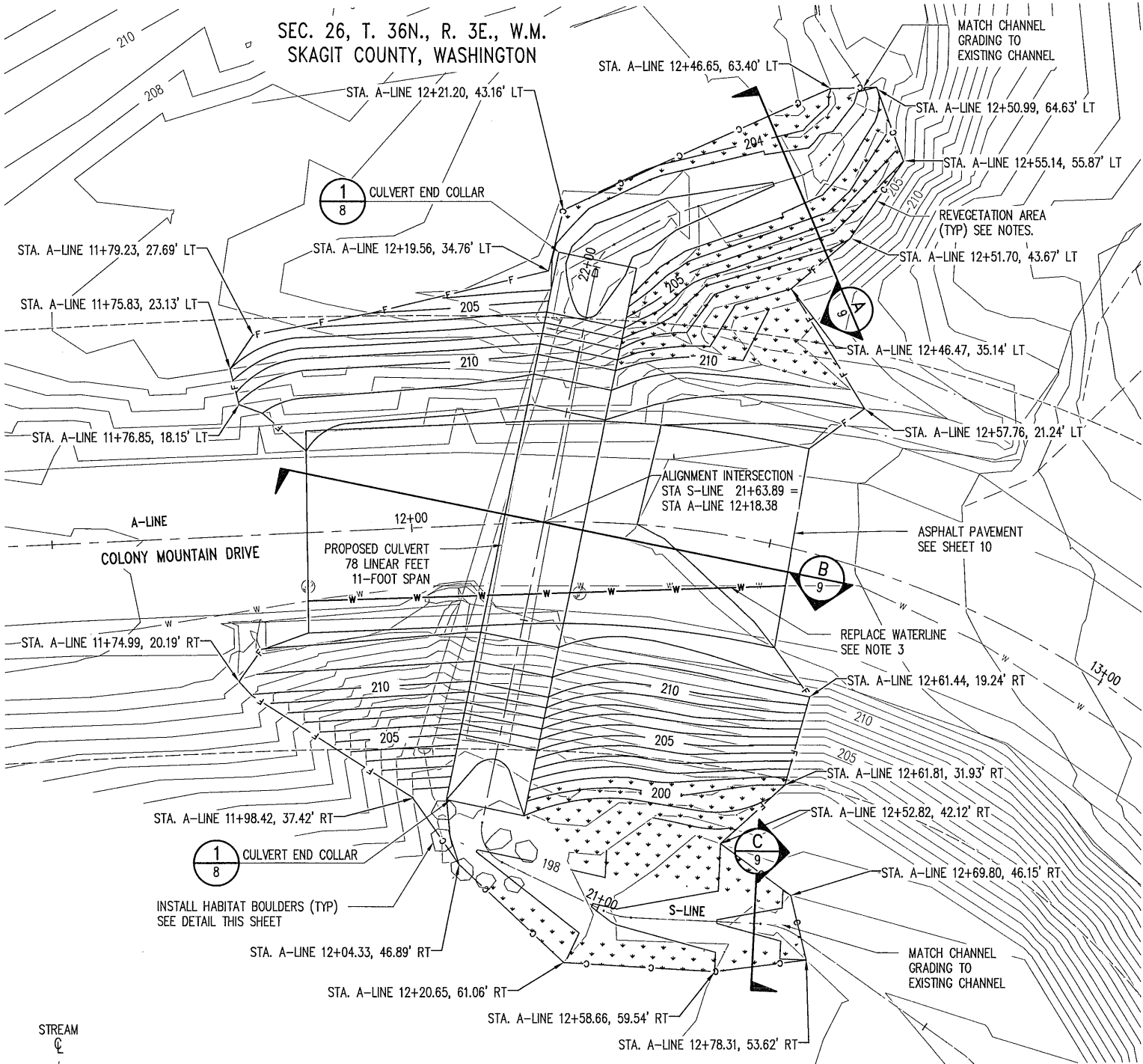


CONSTRUCTION NOTES:

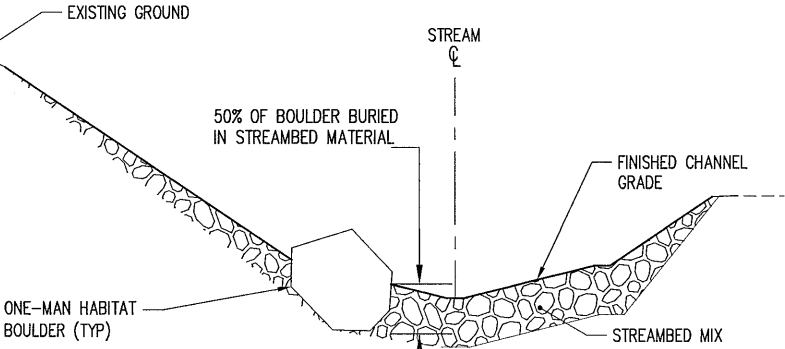
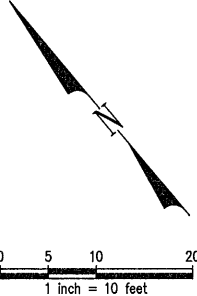
1. PLACE WOOD REMOVED FROM EXISTING CHANNEL ONTO CONSTRUCTED CHANNEL OVER BANKS AS DIRECTED BY ENGINEER.
2. INSTALL HABITAT BOULDERS IN CHANNEL SLOPE AND OVBANK. BOULDERS SHOULD BE HALF BURIED. DO NOT PLACE IN STREAM THALWEG (LOW POINT/CENTERLINE).
3. COORDINATE WATER LINE REPLACEMENT WITH COLONY MTN. COMMUNITY CLUB. CONNECT TO EXISTING PIPES. PROVIDE 1' MIN. SEPARATION BETWEEN WATERLINE AND CULVERT.
4. REPLANT WITH NATIVE VEGETATION. SEE PLANTING TABLE THIS SHEET. FINAL PLANT NUMBERS TO BE DETERMINED AFTER CONSTRUCTION. TREES SHALL BE REPLACED AT A MINIMUM RATIO OF 4 NEW TREES FOR EVERY 1 TREE REMOVED. HYDRO SEED ROAD SLOPES.

PLANTING TABLE

PLANT COMMON NAME	PLANT LATIN NAME	SPACING
TREES		
RED ALDER	ALNUS RUBRA	10-FOOT ON CENTER
WESTERN RED CEDAR	THUJA PLICATA	
BIG LEAF MAPLE	ACER MACROPHYLLA	
SHRUBS		
SALMONBERRY	RUBUS SPECTABILIS	4-FOOT ON CENTER
INDIAN PLUM	OEMLERIA CERASIFORMIS	
RED ELDERBERRY	SAMBUCUS RACEMOSE	



- LEGEND:
- 220 PROPOSED CONTOUR
  - - - RIGHT OF WAY
  - C - CUT LIMIT OF EXCAVATION
  - F - FILL LIMIT OF EXCAVATION
  - - - GRAVEL DRIVEWAY
  - [Pattern] REVEGETATION AREA



HABITAT BOULDER DETAIL  
NTS

SKAGIT COUNTY  
PUBLIC WORKS  
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MOUNT VERNON, WA 98273-5625  
(360) 416-1400 FAX (360) 416-1405

NO.	REVISIONS	DATE

DESIGN ENGINEER  
**kpff**  
1601 5th Avenue, Suite 1000  
Seattle, WA 98101  
206.622.5822  
www.kpff.com



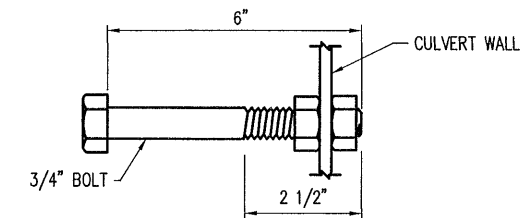
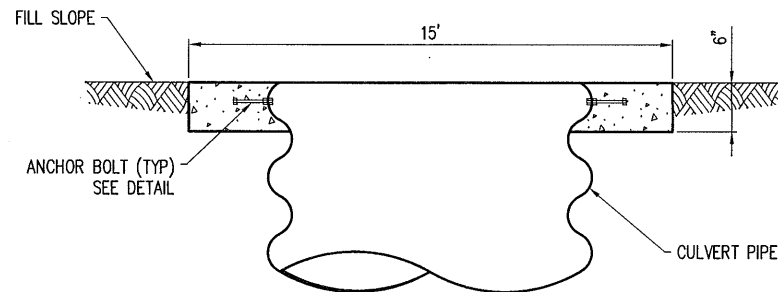
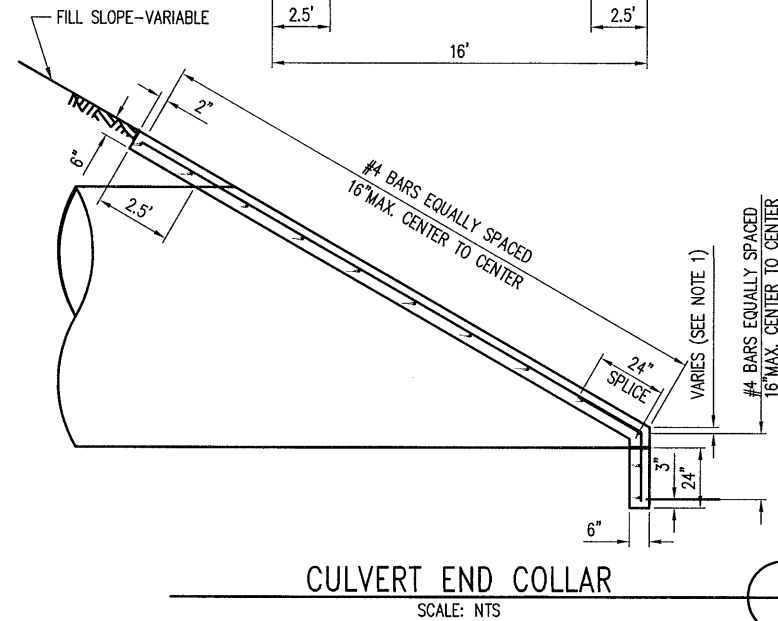
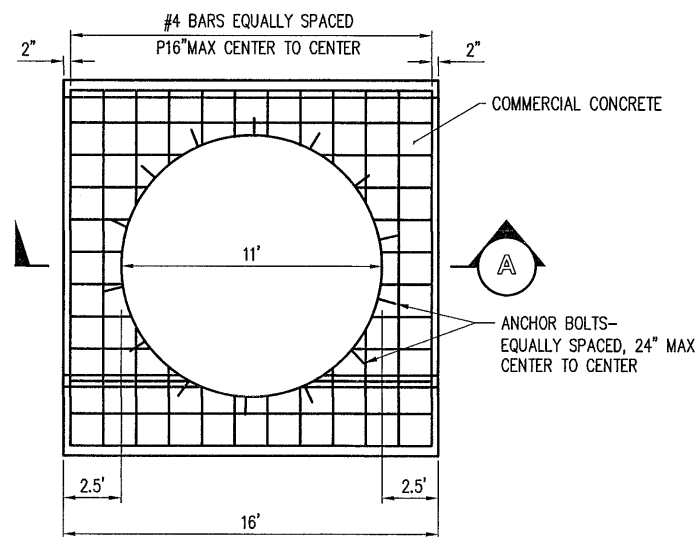
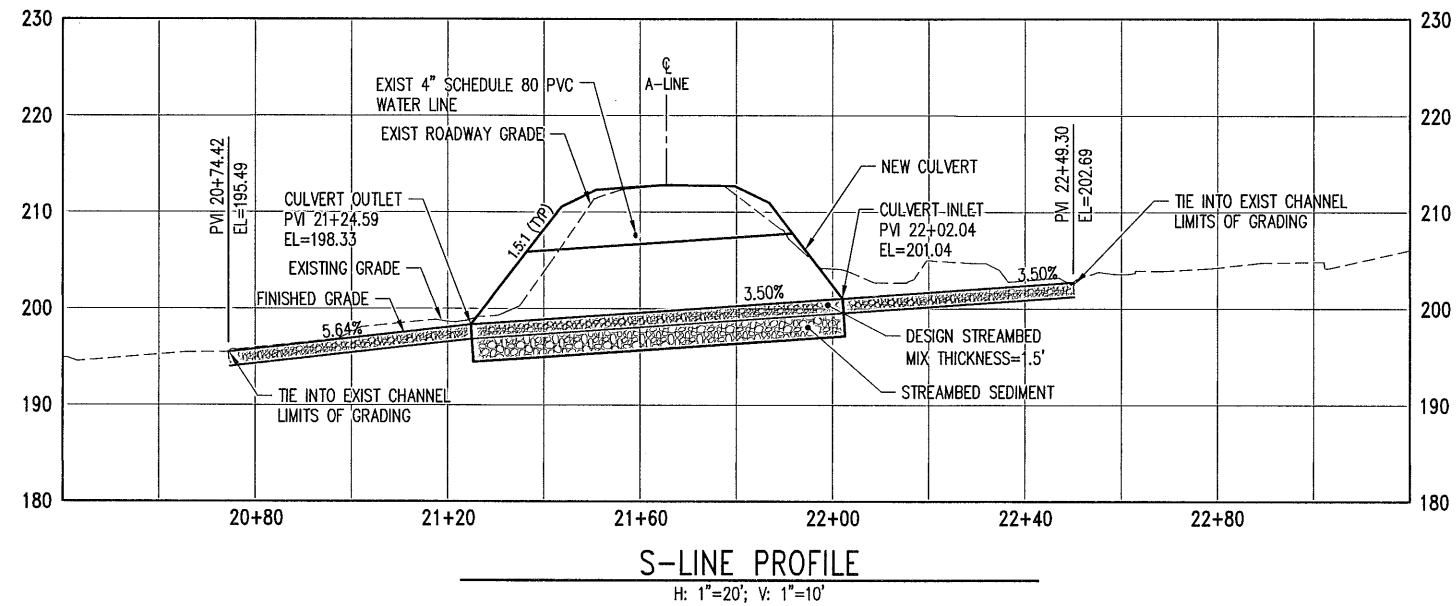
PROJECT NO.: ES24100-2	FED. AID NO.: N/A	DESIGNED BY: CNH	DRAWN BY: SHB	APPROVED BY: ERM
CHECKED BY: PDS	PROJECT LOCATED NEAR: COLONY MOUNTAIN DRIVE			

COLONY MOUNTAIN DRIVE CULVERT  
REPLACEMENT PROJECT  
COLONY MOUNTAIN DRIVE  
SITE PLAN

1 INCH SCALE BAR  
ADJUST SCALE ACCORDINGLY  
SHEET  
7 OF 12

CALL TWO BUSINESS  
DAYS BEFORE YOU DIG  
1-800-424-5555





**NOTES:**

1. THE VARIABLE DIMENSION INDICATED FOR THE HEIGHT OF STEP FOR STEP MITERED PIPES SHALL CONFORM TO THE MANUFACTURERS RECOMMENDATIONS UNLESS SPECIFIED DIFFERENTLY ON THE PLANS OR IN THE SPECIAL PROVISIONS.
2. REINFORCING STEEL SHALL HAVE 1 1/2" (IN) MIN. CLEAR COVER TO ALL CONCRETE SURFACES.



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NO.	REVISIONS	DATE

**kpff**  
DESIGN ENGINEER

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Seattle, WA 98101  
206.622.5822  
www.kpff.com

PROJECT NO.: ES24100-2  
FED. AID NO.: N/A  
DESIGNED BY: CNH  
CHECKED BY: PDS  
DRAWN BY: SHB  
APPROVED BY: ERM  
PROJECT LOCATED NEAR:  
COLONY MOUNTAIN DRIVE

**COLONY MOUNTAIN DRIVE CULVERT  
REPLACEMENT PROJECT**  
COLONY MOUNTAIN DRIVE

**CHANNEL PROFILE AND  
DETAILS**

1 INCH SCALE BAR  
ADJUST SCALE ACCORDINGLY

SHEET  
**8 OF 12**



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# SKAGIT COUNTY PUBLIC WORKS

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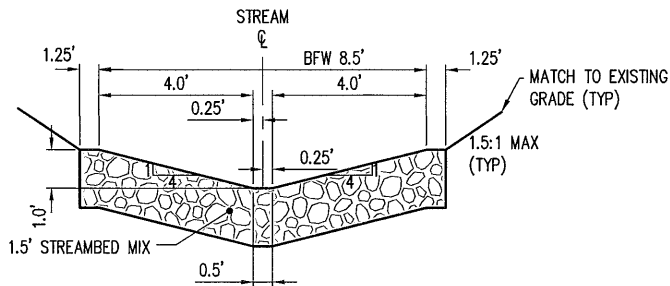
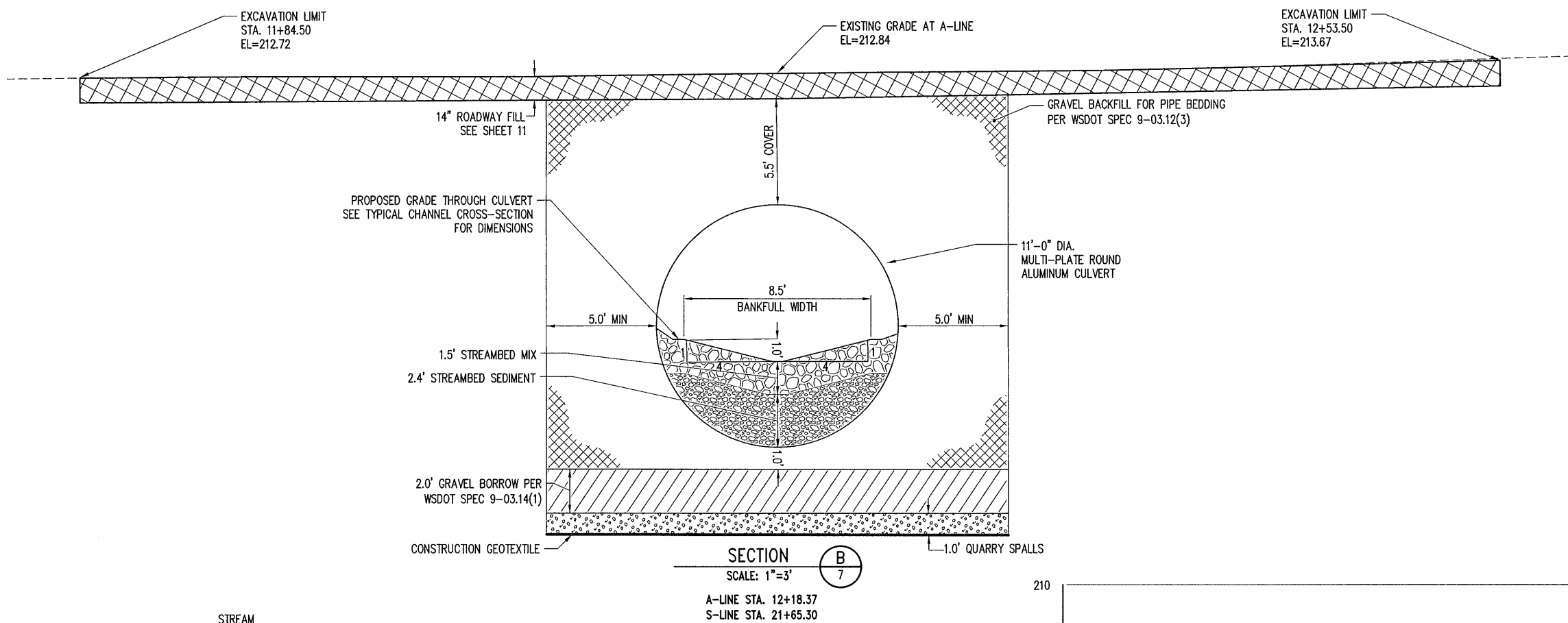


DESIGN ENGINEER	PROJECT NO.: ES24100-2
ENGINEER OF RECORD	FED. AID NO.: N/A
DESIGNED BY: SHB	CHECKED BY: PDS
DRAWN BY: SHB	APPROVED BY: ERM
PROJECT LOCATED NEAR:	COLONY MOUNTAIN DRIVE

## COLONY MOUNTAIN DRIVE CULVERT REPLACEMENT PROJECT CHANNEL SECTIONS & DETAILS

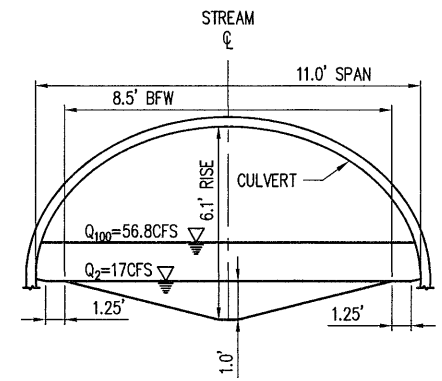
1 INCH SCALE BAR  
ADJUST SCALE ACCORDINGLY

SHEET  
9 OF 12



TYPICAL STREAM CHANNEL CROSS-SECTION

SCALE: NTS



TYPICAL CROSS-SECTION IN CULVERT

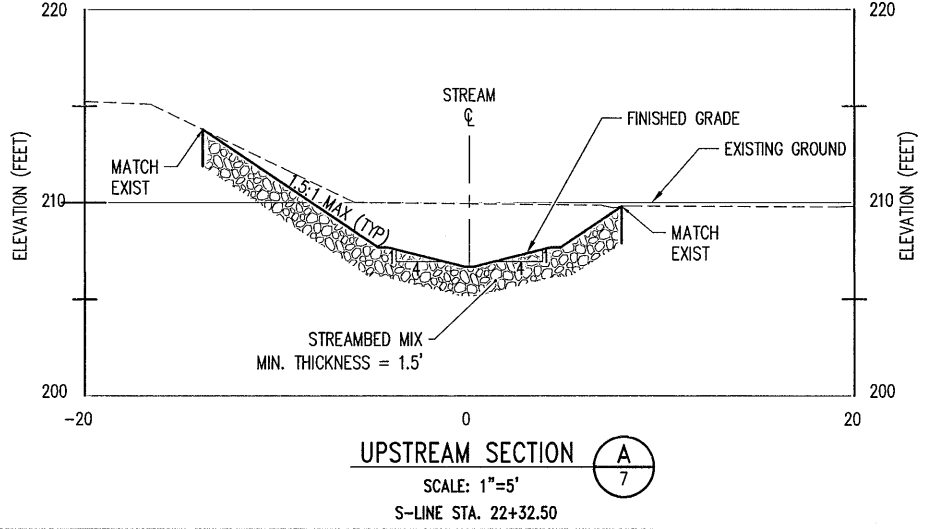
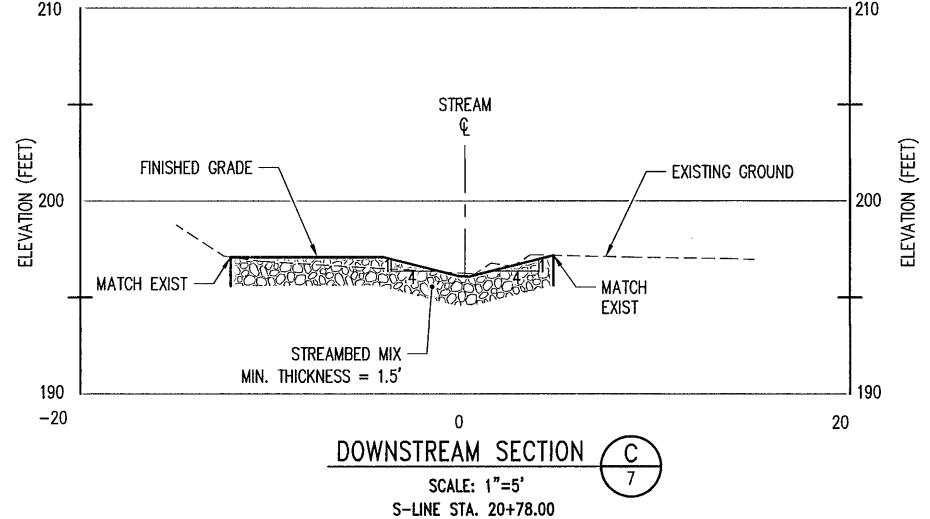
SCALE: NTS

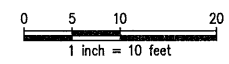
### NOTES:





- VOID SPACES TO BE FILLED WITH STREAMBED SEDIMENT PER SPEC 9-03.11(1)
- LARGEST ROCK  $D_{100}=20"$  SHALL BE PLACED 50% EMBEDDED IN STREAMBED MIX.

### STREAMBED MIX

- $D_{100} = 20"$
- $D_{84} = 16"$
- $D_{50} = 12"$
- $D_{16} = 6"$





-  CENTERLINE  
 RIGHT OF WAY  
 HMA CL 1/2 IN. PG 58H-22 (FULL-DEPTH)  
 HMA CL 1/2 IN. PG 58H-22 (OVERLAY)



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[illegible]

1601 5th Avenue, Suite 1600  
Seattle, WA 98101  
206.622.5822  
[www.kpff.com](http://www.kpff.com)




PROJECT NO.: ES24100-2	DRAWN BY: SHB
FED. AID NO.: N/A	APPROVED BY: ERM
DESIGNED BY: CNH	PROJECT LOCATED NEAR:
CHECKED BY: PDS	COLONY MOUNTAIN DRIVE

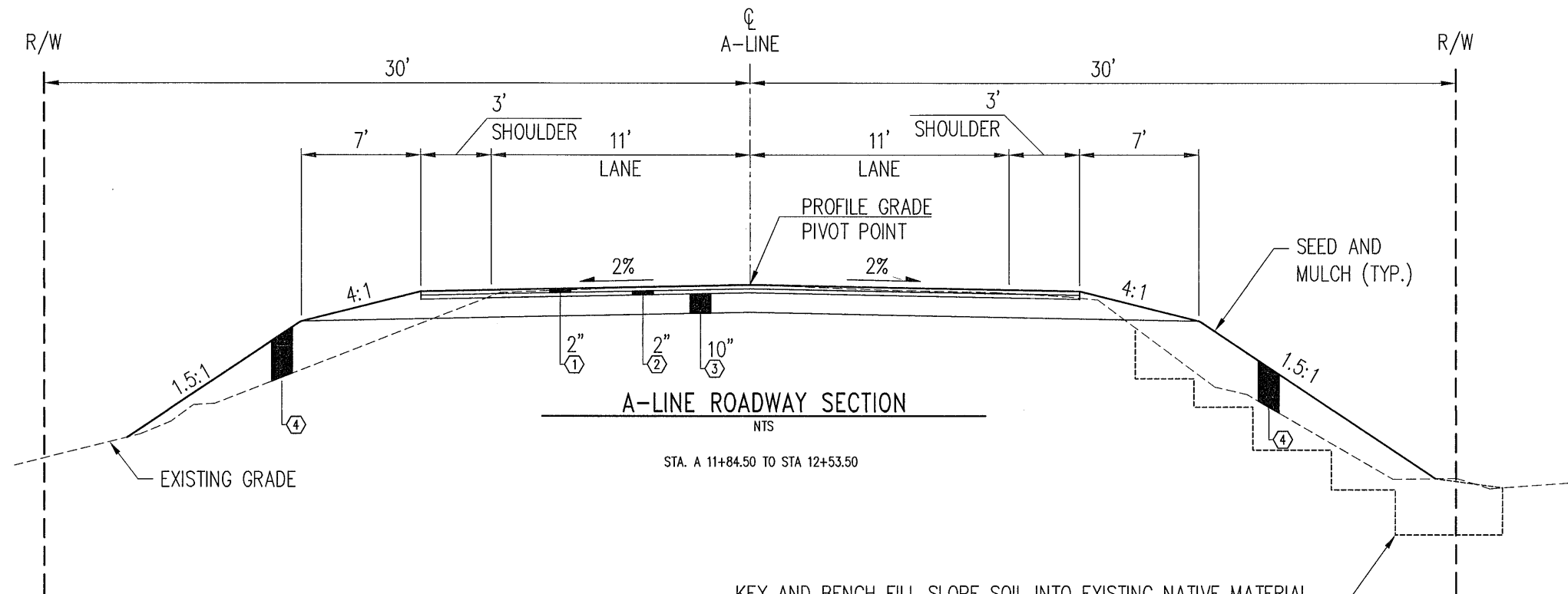
**COLONY MOUNTAIN DRIVE CULVERT  
REPLACEMENT PROJECT**  
COLONY MOUNTAIN DRIVE

**ROADWAY PLAN AND PROFILE**

1 INCH SCALE BAR  
ADJUST SCALE ACCORDINGLY



SHEET  
**10** OF **12**



KEY AND BENCH FILL SLOPE SOIL INTO EXISTING NATIVE MATERIAL,  
TYPICAL BOTH SIDES. EXACT LOCATION AND GEOMETRY TO BE  
DETERMINED IN FIELD BY ENGINEER BASED ON OBSERVED CONDITIONS

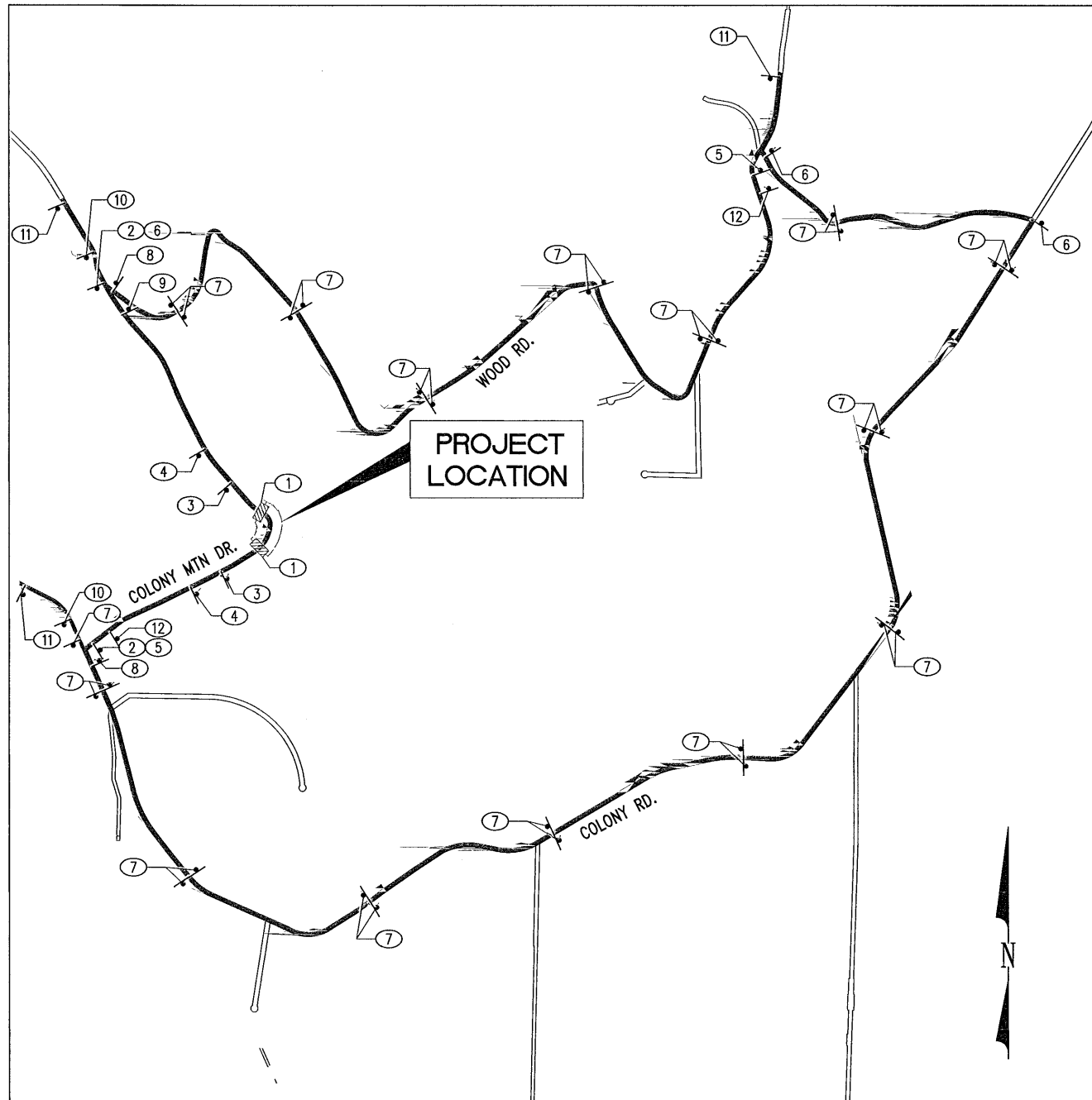
#### CONSTRUCTION NOTES:

- ① HMA CL 1/2 IN PG 58H-22
- ② CRUSHED SURFACING TOP COURSE
- ③ CRUSHED SURFACING BASE COURSE
- ④ GRAVEL BORROW INCL. HAUL



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PROJECT NO.: ES24100-2	DATE
FED. AID NO.: N/A	REVISIONS
DESIGNED BY: CNH	NO.
CHECKED BY: PDS	
DRAWN BY: SHB	
APPROVED BY: ERM	
PROJECT LOCATED NEAR: COLONY MOUNTAIN DRIVE	
COLONY MOUNTAIN DRIVE CULVERT REPLACEMENT PROJECT COLONY MOUNTAIN DRIVE	
TYPICAL ROADWAY SECTION	
1 INCH SCALE BAR ADJUST SCALE ACCORDINGLY SHEET <b>11 OF 12</b>	



R11-2  
BLACK ON WHITE  
48" X 30"

**ROAD  
CLOSED**

\*INSTALLED ON TYPE III BARRICADE

①

M4-9  
BLACK ON ORANGE  
30" X 24"

**ROAD CLOSED  
LOCAL TRAFFIC ONLY**

\*INSTALLED ON TYPE III BARRICADE

②

W20-3  
BLACK ON ORANGE  
36" X 36"

**ROAD  
CLOSED  
500 FT**

③

W20-3  
BLACK ON ORANGE  
36" X 36"

**ROAD  
CLOSED  
1000 FT**

④

M4-9(R)  
BLACK ON ORANGE  
30" X 24"

**DETOUR**

⑤

M4-9(L)  
BLACK ON ORANGE  
30" X 24"

**DETOUR**

⑥

M4-9(UP)  
BLACK ON ORANGE  
30" X 24"

**DETOUR**

⑦

W4-8A  
BLACK ON ORANGE  
30" X 24"

**END  
DETOUR**

⑧

M4-9  
BLACK ON ORANGE  
30" X 24"

**DETOUR**

⑨

W20-2  
BLACK ON ORANGE  
36" X 36"

**DETOUR  
AHEAD**

⑩

M4-9 MOD  
BLACK ON ORANGE  
60" X 48"

**COLONY MTN  
DRIVE AT  
HARRISON  
CREEK CLOSED**

**FOLLOW  
DETOUR**

⑪

**COLONY MTN DRIVE TO BE  
CLOSED AT HARRISON  
CREEK BETWEEN MONTH, DATE  
AND MONTH, DATE.**

**FOR INFORMATION CONTACT  
PROJECT MANAGER DAVID  
WALDE AT 360-416-1437**

⑫

**NOTES:**

1. ALL CONSTRUCTION SIGNS TO BE CLASS A.
2. SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE MOST CURRENT M.U.T.C.D. ADOPTED BY WAC 468-95 AND ITS MODIFICATIONS.
3. SIGNS SHALL CONFORM TO THE 2020 WSDOT STANDARD SPECIFICATION FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION MANUAL.
4. COVER SIGNS UNLESS CONDITION EXISTS.
5. SIGNS SHALL NOT BE LOCATED WHERE THEY MAY CAUSE SIGHT DISTANCE PROBLEMS.
6. CONTRACTOR SHALL FURNISH ALL SIGNS.
7. TYPE III BARRICADES TO EXTEND FULLY ACROSS ALL LANES OF TRAFFIC.
8. SIGNS SHALL BE MOUNTED ON 4X4 POSTS.
9. ALL SIGN SPACING MAY BE ADJUSTED TO ACCOMMODATE AT-GRADE INTERSECTIONS AND DRIVEWAYS.
10. SIGN #12 SHALL BE INSTALLED A MINIMUM OF TWO WEEKS PRIOR TO CONSTRUCTION.

**LEGEND:**

- DETOUR ROUTE
- ROAD CLOSURE AREA
- SIGN LOCATION, POST MOUNTED
- TYPE III BARRICADE

**SKAGIT COUNTY  
PUBLIC WORKS**

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(360) 416-1400 FAX (360) 416-1405

DESIGN ENGINEER  
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Seattle, WA 98101  
206.622.5822  
www.kpff.com

ENGINEER OF RECORD  
**LEITCHLER**  
1000 1st Avenue, Suite 1000  
Seattle, WA 98101  
206.622.5822  
www.leitchler.com

PROJECT NO.: ES24100-2  
FED. AID NO.: N/A  
DESIGNED BY: SHB  
CHECKED BY: PDS  
APPROVED BY: ERM

PROJECT LOCATED NEAR:  
COLONY MOUNTAIN DRIVE

**CLASS A SIGNING**

1 INCH SCALE BAR  
ADJUST SCALE ACCORDINGLY

SHEET  
**12 OF 12**