

Lewis County
Department of Public Works
Engineering Division

**CONTRACT
PROVISIONS AND PLANS
FOR CONSTRUCTION OF:
COWLITZ RIVER PUBLIC
ACCESS POINT PROJECT**

CMP 15-1606

July 19, 2021

Lewis County
Public Works
2025 NE Kresky Ave.
Chehalis, WA 98532-2626

Approved for Construction:


County Engineer

7-20-21
Date



Project Engineer

BOARD OF COUNTY COMMISSIONERS

Sean Swope, District No. 1
Lindsey R. Pollock, DVM, District No. 2
Gary Stamper, District No. 3

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1 **INTRODUCTION**

2 (Lewis County)

3 The following Special Provisions are made a part of this contract and supersede any conflicting
4 provisions of the 2021 Standard Specifications for Road, Bridge, and Municipal Construction.

5
6 The said Standard Specifications thereto, the WSDOT Standard Plans, and WSDOT Construction
7 Manual, together with the Special Provisions and the attached plans hereinafter contained, covering
8 all work specified under this contract are incorporated and hereby made a part of this contract. The
9 Special Provisions hereinafter contained shall supersede any conflicting provisions of the Standard
10 Specifications thereto, the WSDOT Standard Plans, and WSDOT Construction Manual.

11
12 Several types of Special Provisions are included in this contract; General, Region, Bridges and
13 Structures, and Project Specific. Special Provisions types are differentiated as follows:

14		
15	(date)	General Special Provision
16	(Lewis County)	Lewis County Special Provision
17	(*****)	Notes a revision to a General Special Provision 18 and also notes a Project Specific Special Provision.
19	(APWA GSP)	American Public Works Association General Special Provision
20		

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

24
25 **Project Specific Special Provisions** normally appear only in the contract for which they were
26 developed.

27 **SPECIAL PROVISIONS**

28 **DIVISION 1**
29 **GENERAL REQUIREMENTS**

30
31 **1-01, DESCRIPTION OF WORK**

32 (March 13, 1995)

33
34 This contract provides for the improvement of ***Lewis County property adjacent to the Cowlitz
35 River at Alta Drive MP 0.05 by clearing & grubbing, excavation, installing a precast concrete vault
36 double toilet, constructing a gravel access road/parking lot with retaining wall, constructing a gravel
37 walking trail & log stringer walk bridge, stormwater infiltration pond construction, planting mitigation,
38 hydroseeding, interpretive sign & bird nesting box installation*** and other work, all in accordance
39 with these Contract Provisions, and the Standard Specifications.

40
41 **1-01.3 Definitions**

42 (January 4, 2016 APWA GSP)

43
44 Delete the heading **Completion Dates** and the three paragraphs that follow it, and replace them
45 with the following:

46
47 **Dates**

48 ***Bid Opening Date***

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

1 **Award Date**

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

4 **Contract Execution Date**

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

6 **Notice to Proceed Date**

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

8 **Substantial Completion Date**

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

14 **Physical Completion Date**

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

18 **Completion Date**

19 The day all the Work specified in the Contract is completed and all the obligations of the
20 Contractor under the contract are fulfilled by the Contractor. All documentation required by
21 the Contract and required by law must be furnished by the Contractor before establishment
22 of this date.

23 **Final Acceptance Date**

24 The date on which the Contracting Agency accepts the Work as complete.

25
26 Supplement this Section with the following:

27
28 All references in the Standard Specifications, Amendments, or WSDOT General Special
29 Provisions, to the terms "Department of Transportation", "Washington State Transportation
30 Commission", "Commission", "Secretary of Transportation", "Secretary", "Headquarters", and
31 "State Treasurer" shall be revised to read "Contracting Agency".

32
33 All references to the terms "State" or "state" shall be revised to read "Contracting Agency"
34 unless the reference is to an administrative agency of the State of Washington, a State statute
35 or regulation, or the context reasonably indicates otherwise.

36
37 All references to "State Materials Laboratory" shall be revised to read "Contracting Agency
38 designated location".

39
40 All references to "final contract voucher certification" shall be interpreted to mean the
41 Contracting Agency form(s) by which final payment is authorized, and final completion and
42 acceptance granted.

43 **Additive**

44 A supplemental unit of work or group of bid items, identified separately in the Bid Proposal,
45 which may, at the discretion of the Contracting Agency, be awarded in addition to the base bid.
46
47

48 **Alternate**

49 One of two or more units of work or groups of bid items, identified separately in the Bid
50 Proposal, from which the Contracting Agency may make a choice between different methods or
51 material of construction for performing the same work.

1
2 **Business Day**

3 A business day is any day from Monday through Friday except holidays as listed in Section 1-
4 08.5.

5
6 **Contract Bond**

7 The definition in the Standard Specifications for "Contract Bond" applies to whatever bond
8 form(s) are required by the Contract Documents, which may be a combination of a Payment
9 Bond and a Performance Bond.

10
11 **Contract Documents**

12 See definition for "Contract".

13
14 **Contract Time**

15 The period of time established by the terms and conditions of the Contract within which the
16 Work must be physically completed.

17
18 **Notice of Award**

19 The written notice from the Contracting Agency to the successful Bidder signifying the
20 Contracting Agency's acceptance of the Bid Proposal.

21
22 **Notice to Proceed**

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

26
27 **Traffic**

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

30
31 **1-02, BID PROCEDURES AND CONDITIONS**

32 **1-02.1 Prequalification of Bidders**

33 Delete this Section and replace it with the following:

34
35 **1-02.1 Qualifications of Bidder**

36 *(January 24, 2011 APWA GSP)*

37
38 Before award of a public works contract, a bidder must meet at least the minimum qualifications
39 of RCW 39.04.350(1) to be considered a responsible bidder and qualified to be awarded a
40 public works project.

41
42 **1-02.2 Plans and Specifications**

43 *(*****)*

44 The first paragraph of section 1-02.2 is revised to read:

45
46 Copies of the plans, specifications and soils information are on file in the office of:

47
48 Lewis County Public Works Department
49 2025 NE Kresky Ave.
50 Chehalis, Washington 98532
51 (360) 740-2671
52

1 The second paragraph of section 1-02.2 is revised to read:

2
3 Prospective bidders may obtain plans and specifications from Lewis County Public
4 Works Department in Chehalis, Washington or download from Lewis County Website at
5 www.lewiscountywa.gov.

6
7 **1-02.6 Preparation Of Proposal**
8 (August 2, 2004)

9
10 The fifth and sixth paragraphs of Section 1-02.6 are deleted.

11
12 **1-02.12 Public Opening Of Proposal**
13 (*****)

14 Section 1-02.12 is supplemented with the following:

15
16 **Date and Time of Bid Opening**

17 The Board of County Commissioners of Lewis County or designee, will open sealed
18 proposals and publicly read them aloud on or after 12:15 p.m. on **August 12, 2021**, at the
19 Lewis County Courthouse, Chehalis, Washington, for the Cowlitz River Public Access Point
20 Project, CMP 15-1606.

21
22 **SEALED BIDS MUST BE DELIVERED BY OR BEFORE**
23 **12:15 P.M. on Thursday, August 12, 2021**

24 (Lewis County official time is displayed on Axxess Intertel phones in the office of the Board of County
25 Commissioners. **Bids submitted after 12:15 PM will not be considered for this project.**)

26
27 **Delivery and Marking of Sealed Bid Proposals**

28 Sealed proposals must be delivered to the Clerk of the Board of Lewis County
29 Commissioners (351 N.W. North Street, Room 210, CMS-01, Chehalis, Washington
30 98532), by or before **12:15 P.M.** on the date specified for opening, and in an envelope
31 clearly marked: **“SEALED BID FOR THE COWLITZ RIVER PUBLIC ACCESS POINT**
32 **PROJECT, CMP 15-1606, TO BE OPENED ON OR AFTER 12:15 P.M. ON AUGUST 12,**
33 **2021.”**

34
35 **1-02.13 Irregular Proposals**
36 (October 1, 2020 APWA GSP)

37
38 Delete this section and replace it with the following:

- 39
40 1. A Proposal will be considered irregular and will be rejected if:
- 41 a. The Bidder is not prequalified when so required;
 - 42 b. The authorized Proposal form furnished by the Contracting Agency is not used or is
43 altered;
 - 44 c. The completed Proposal form contains any unauthorized additions, deletions,
45 alternate Bids, or conditions;
 - 46 d. The Bidder adds provisions reserving the right to reject or accept the award, or enter
47 into the Contract;
 - 48 e. A price per unit cannot be determined from the Bid Proposal;
 - 49 f. The Proposal form is not properly executed;
 - 50 g. The Bidder fails to submit or properly complete a Subcontractor list, if applicable, as
51 required in Section 1-02.6;
 - 52 h. The Bidder fails to submit or properly complete a Disadvantaged Business
53 Enterprise Certification, if applicable, as required in Section 1-02.6;
 - 54 i. The Bidder fails to submit written confirmation from each DBE firm listed on the
55 Bidder’s completed DBE Utilization Certification that they are in agreement with the
56 bidder’s DBE participation commitment, if applicable, as required in Section 1-02.6,

1 or if the written confirmation that is submitted fails to meet the requirements of the
2 Special Provisions;

- 3 j. The Bidder fails to submit DBE Good Faith Effort documentation, if applicable, as
4 required in Section 1-02.6, or if the documentation that is submitted fails to
5 demonstrate that a Good Faith Effort to meet the Condition of Award was made;
- 6 k. The Bidder fails to submit a DBE Bid Item Breakdown form, if applicable, as
7 required in Section 1-02.6, or if the documentation that is submitted fails to meet the
8 requirements of the Special Provisions;
- 9 l. The Bidder fails to submit DBE Trucking Credit Forms, if applicable, as required in
10 Section 1-02.6, or if the documentation that is submitted fails to meet the
11 requirements of the Special Provisions;
- 12 m. The Bid Proposal does not constitute a definite and unqualified offer to meet the
13 material terms of the Bid invitation; or
- 14 n. More than one Proposal is submitted for the same project from a Bidder under the
15 same or different names.

16
17 2. A Proposal may be considered irregular and may be rejected if:

- 18 a. The Proposal does not include a unit price for every Bid item;
- 19 b. Any of the unit prices are excessively unbalanced (either above or below the
20 amount of a reasonable Bid) to the potential detriment of the Contracting Agency;
- 21 c. Receipt of Addenda is not acknowledged;
- 22 d. A member of a joint venture or partnership and the joint venture or partnership
23 submit Proposals for the same project (in such an instance, both Bids may be
24 rejected); or
- 25 e. If Proposal form entries are not made in ink.

26
27 **1-02.14 Disqualification of Bidders**
28 *(May 17, 2018 APWA GSP, Option B)*
29

30 Delete this section and replace it with the following:

31
32 A Bidder will be deemed not responsible if the Bidder does not meet the mandatory bidder
33 responsibility criteria in RCW 39.04.350(1), as amended; or does not meet Supplemental
34 Criteria 1-7 listed in this Section.

35
36 The Contracting Agency will verify that the Bidder meets the mandatory bidder responsibility
37 criteria in RCW 39.04.350(1), and Supplemental Criteria 1-2. Evidence that the Bidder meets
38 Supplemental Criteria 3-7 shall be provided by the Bidder as stated later in this Section.
39

40
41 **1. Delinquent State Taxes**

- 42
43 A. Criterion: The Bidder shall not owe delinquent taxes to the Washington State
44 Department of Revenue without a payment plan approved by the Department of
45 Revenue.
- 46
47 B. Documentation: The Bidder, if and when required as detailed below, shall sign a
48 statement (on a form to be provided by the Contracting Agency) that the Bidder
49 does not owe delinquent taxes to the Washington State Department of Revenue, or
50 if delinquent taxes are owed to the Washington State Department of Revenue, the
51 Bidder must submit a written payment plan approved by the Department of
52 Revenue, to the Contracting Agency by the deadline listed below.

53
54 **2. Federal Debarment**

- 1
- 2 A Criterion: The Bidder shall not currently be debarred or suspended by the Federal
- 3 government.
- 4
- 5 B. Documentation: The Bidder shall not be listed as having an “active exclusion” on the
- 6 U.S. government’s “System for Award Management” database (www.sam.gov).
- 7

8 **3. Subcontractor Responsibility**

- 9
- 10 A Criterion: The Bidder’s standard subcontract form shall include the subcontractor
- 11 responsibility language required by RCW 39.06.020, and the Bidder shall have an
- 12 established procedure which it utilizes to validate the responsibility of each of its
- 13 subcontractors. The Bidder’s subcontract form shall also include a requirement that
- 14 each of its subcontractors shall have and document a similar procedure to
- 15 determine whether the sub-tier subcontractors with whom it contracts are also
- 16 “responsible” subcontractors as defined by RCW 39.06.020.
- 17
- 18 B. Documentation: The Bidder, if and when required as detailed below, shall submit a
- 19 copy of its standard subcontract form for review by the Contracting Agency, and a
- 20 written description of its procedure for validating the responsibility of subcontractors
- 21 with which it contracts.
- 22

23 **4. Claims Against Retainage and Bonds**

- 24
- 25 A Criterion: The Bidder shall not have a record of excessive claims filed against the
- 26 retainage or payment bonds for public works projects in the three years prior to the
- 27 bid submittal date, that demonstrate a lack of effective management by the Bidder of
- 28 making timely and appropriate payments to its subcontractors, suppliers, and
- 29 workers, unless there are extenuating circumstances and such circumstances are
- 30 deemed acceptable to the Contracting Agency.
- 31
- 32 B. Documentation: The Bidder, if and when required as detailed below, shall submit a
- 33 list of the public works projects completed in the three years prior to the bid
- 34 submittal date that have had claims against retainage and bonds and include for
- 35 each project the following information:
- 36
- 37 • Name of project
 - 38 • The owner and contact information for the owner;
 - 39 • A list of claims filed against the retainage and/or payment bond for any of the
 - 40 projects listed;
 - 41 • A written explanation of the circumstances surrounding each claim and the
 - 42 ultimate resolution of the claim.
- 43

44 **5. Public Bidding Crime**

- 45
- 46 A Criterion: The Bidder and/or its owners shall not have been convicted of a crime
- 47 involving bidding on a public works contract in the five years prior to the bid
- 48 submittal date.
- 49
- 50 B. Documentation: The Bidder, if and when required as detailed below, shall sign a
- 51 statement (on a form to be provided by the Contracting Agency) that the Bidder
- 52 and/or its owners have not been convicted of a crime involving bidding on a public
- 53 works contract.

1
2 **6. Termination for Cause / Termination for Default**
3

- 4 A Criterion: The Bidder shall not have had any public works contract terminated for
5 cause or terminated for default by a government agency in the five years prior to the
6 bid submittal date, unless there are extenuating circumstances and such
7 circumstances are deemed acceptable to the Contracting Agency.
8
9 B. Documentation: The Bidder, if and when required as detailed below, shall sign a
10 statement (on a form to be provided by the Contracting Agency) that the Bidder has
11 not had any public works contract terminated for cause or terminated for default by a
12 government agency in the five years prior to the bid submittal date; or if Bidder was
13 terminated, describe the circumstances. .
14

15 **7. Lawsuits**
16

- 17 A Criterion: The Bidder shall not have lawsuits with judgments entered against the
18 Bidder in the five years prior to the bid submittal date that demonstrate a pattern of
19 failing to meet the terms of contracts, unless there are extenuating circumstances
20 and such circumstances are deemed acceptable to the Contracting Agency
21
22 B. Documentation: The Bidder, if and when required as detailed below, shall sign a
23 statement (on a form to be provided by the Contracting Agency) that the Bidder has
24 not had any lawsuits with judgments entered against the Bidder in the five years
25 prior to the bid submittal date that demonstrate a pattern of failing to meet the terms
26 of contracts, or shall submit a list of all lawsuits with judgments entered against the
27 Bidder in the five years prior to the bid submittal date, along with a written
28 explanation of the circumstances surrounding each such lawsuit. The Contracting
29 Agency shall evaluate these explanations to determine whether the lawsuits
30 demonstrate a pattern of failing to meet of terms of construction related contracts
31

32 As evidence that the Bidder meets the Supplemental Criteria stated above, the apparent low
33 Bidder must submit to the Contracting Agency by 12:00 P.M. (noon) of the second business
34 day following the bid submittal deadline, a written statement verifying that the Bidder meets
35 the supplemental criteria together with supporting documentation (sufficient in the sole
36 judgment of the Contracting Agency) demonstrating compliance with the Supplemental
37 Criteria. The Contracting Agency reserves the right to request further documentation as
38 needed from the low Bidder and documentation from other Bidders as well to assess Bidder
39 responsibility and compliance with all bidder responsibility criteria. The Contracting Agency
40 also reserves the right to obtain information from third-parties and independent sources of
41 information concerning a Bidder's compliance with the mandatory and supplemental criteria,
42 and to use that information in their evaluation. The Contracting Agency may consider
43 mitigating factors in determining whether the Bidder complies with the requirements of the
44 supplemental criteria.
45

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

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

11
12 Request to Change Supplemental Bidder Responsibility Criteria Prior To Bid: Bidders with
13 concerns about the relevancy or restrictiveness of the Supplemental Bidder Responsibility
14 Criteria may make or submit requests to the Contracting Agency to modify the criteria. Such
15 requests shall be in writing, describe the nature of the concerns, and propose specific
16 modifications to the criteria. Bidders shall submit such requests to the Contracting Agency no
17 later than five (5) business days prior to the bid submittal deadline and address the request to
18 the Project Engineer or such other person designated by the Contracting Agency in the Bid
19 Documents.

20
21 **1-02.15 Pre Award Information**
22 *(August 14, 2013 APWA GSP)*

23
24 Revise this section to read:

25
26 Before awarding any contract, the Contracting Agency may require one or more of these items
27 or actions of the apparent lowest responsible bidder:

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

39
40 **1-03, AWARD AND EXECUTION OF CONTRACT**

41
42 **1-03.1 Consideration of Bids**

43 *(*****)*

44 Section 1-03.1 is supplemented with the following:

45
46 Bidders are notified that all bids are likely to be rejected if the lowest responsive bid
47 received exceeds the Engineer's Estimate by an unreasonable amount. In the event all
48 bids are rejected for this reason, this project may be deferred for re-advertising for bids until
49 a more competitive situation exists.
50

1 **1-03.4 Contract Bond**
2 (July 23, 2015 APWA GSP)

3
4 Delete the first paragraph and replace it with the following:

5
6 The successful bidder shall provide executed payment and performance bond(s) for the full
7 contract amount. The bond may be a combined payment and performance bond; or be
8 separate payment and performance bonds. In the case of separate payment and performance
9 bonds, each shall be for the full contract amount. The bond(s) shall:

- 10 1. Be on Contracting Agency-furnished form(s);
- 11 2. Be signed by an approved surety (or sureties) that:
 - 12 a. Is registered with the Washington State Insurance Commissioner, and
 - 13 b. Appears on the current Authorized Insurance List in the State of Washington published
14 by the Office of the Insurance Commissioner,
- 15 3. Guarantee that the Contractor will perform and comply with all obligations, duties, and
16 conditions under the Contract, including but not limited to the duty and obligation to
17 indemnify, defend, and protect the Contracting Agency against all losses and claims related
18 directly or indirectly from any failure:
 - 19 a. Of the Contractor (or any of the employees, subcontractors, or lower tier subcontractors
20 of the Contractor) to faithfully perform and comply with all contract obligations,
21 conditions, and duties, or
 - 22 b. Of the Contractor (or the subcontractors or lower tier subcontractors of the Contractor)
23 to pay all laborers, mechanics, subcontractors, lower tier subcontractors, material
24 person, or any other person who provides supplies or provisions for carrying out the
25 work;
- 26 4. Be conditioned upon the payment of taxes, increases, and penalties incurred on the project
27 under titles 50, 51, and 82 RCW; and
- 28 5. Be accompanied by a power of attorney for the Surety's officer empowered to sign the
29 bond; and
- 30 6. Be signed by an officer of the Contractor empowered to sign official statements (sole
31 proprietor or partner). If the Contractor is a corporation, the bond(s) must be signed by the
32 president or vice president, unless accompanied by written proof of the authority of the
33 individual signing the bond(s) to bind the corporation (i.e., corporate resolution, power of
34 attorney, or a letter to such effect signed by the president or vice president).

35
36 **1-03.7 Judicial Review**
37 (Lewis County)

38
39 Revise this section to read:

40
41 Any decision made by the Contracting Agency regarding the Award and execution of the
42 Contract or Bid rejection shall be conclusive subject to the scope of judicial review permitted
43 under Washington Law. Such review, if any, shall be timely filed in the Superior Court of the
44 county where the Contracting Agency headquarters is located, provided that where an action is
45 asserted against a county, RCW 36.01.050 shall control venue and jurisdiction.
46

47 **1-05, CONTROL OF WORK**

48 **1-05.7 Removal of Defective and Unauthorized Work**

1 (October 1, 2005 APWA GSP)

2
3 Supplement this section with the following:

4
5 If the Contractor fails to remedy defective or unauthorized work within the time specified in a
6 written notice from the Engineer, or fails to perform any part of the work required by the
7 Contract Documents, the Engineer may correct and remedy such work as may be identified in
8 the written notice, with Contracting Agency forces or by such other means as the Contracting
9 Agency may deem necessary.
10

11 If the Contractor fails to comply with a written order to remedy what the Engineer determines to
12 be an emergency situation, the Engineer may have the defective and unauthorized work
13 corrected immediately, have the rejected work removed and replaced, or have work the
14 Contractor refuses to perform completed by using Contracting Agency or other forces. An
15 emergency situation is any situation when, in the opinion of the Engineer, a delay in its remedy
16 could be potentially unsafe, or might cause serious risk of loss or damage to the public.
17

18 Direct or indirect costs incurred by the Contracting Agency attributable to correcting and
19 remedying defective or unauthorized work, or work the Contractor failed or refused to perform,
20 shall be paid by the Contractor. Payment will be deducted by the Engineer from monies due, or
21 to become due, the Contractor. Such direct and indirect costs shall include in particular, but
22 without limitation, compensation for additional professional services required, and costs for repair
23 and replacement of work of others destroyed or damaged by correction, removal, or replacement
24 of the Contractor's unauthorized work.
25

26 No adjustment in contract time or compensation will be allowed because of the delay in the
27 performance of the work attributable to the exercise of the Contracting Agency's rights provided
28 by this Section.
29

30 The rights exercised under the provisions of this section shall not diminish the Contracting
31 Agency's right to pursue any other avenue for additional remedy or damages with respect to the
32 Contractor's failure to perform the work as required.
33

34 **1-05.13 Superintendents, Labor and Equipment of Contractor**
35 *(August 14, 2013 APWA GSP)*

36
37 Delete the sixth and seventh paragraphs of this section.
38

39 **1-05.15 Method of Serving Notices**
40 *(March 25, 2009 APWA GSP)*

41 Revise the second paragraph to read:

42
43 All correspondence from the Contractor shall be directed to the Project Engineer. All
44 correspondence from the Contractor constituting any notification, notice of protest, notice of
45 dispute, or other correspondence constituting notification required to be furnished under the
46 Contract, must be in paper format, hand delivered or sent via mail delivery service to the
47 Project Engineer's office. Electronic copies such as e-mails or electronically delivered copies of
48 correspondence will not constitute such notice and will not comply with the requirements of the
49 Contract.
50

51 **1-07, LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC**

1
2 **1-07.1 Laws to be Observed**

3 Section 1-07.1 is supplemented with the following:

4
5 (May 13, 2020)

6 In response to COVID-19, the Contractor shall prepare a project specific COVID-19 health and
7 safety plan (CHSP) in conformance with Section 1-07.4(2) as supplemented in these
8 specifications, **COVID-19 Health and Safety Plan (CHSP)**.

9
10 **1-07.2 State Taxes**

11
12 Delete this section, including its sub-sections, in its entirety and replace it with the following:

13
14 **1-07.2 State Sales Tax**
15 *(June 27, 2011 APWA GSP)*

16
17 The Washington State Department of Revenue has issued special rules on the State sales tax.
18 Sections 1-07.2(1) through 1-07.2(3) are meant to clarify those rules. The Contractor should
19 contact the Washington State Department of Revenue for answers to questions in this area.
20 The Contracting Agency will not adjust its payment if the Contractor bases a bid on a
21 misunderstood tax liability.

22
23 The Contractor shall include all Contractor-paid taxes in the unit bid prices or other contract
24 amounts. In some cases, however, state retail sales tax will not be included. Section 1-07.2(2)
25 describes this exception.

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

34
35 **1-07.2(1) State Sales Tax — Rule 171**

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

45
46 **1-07.2(2) State Sales Tax — Rule 170**

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

1 installing or attaching of any article of tangible personal property in or to real property, whether
2 or not such personal property becomes a part of the realty by virtue of installation.

3
4 For work performed in such cases, the Contractor shall collect from the Contracting Agency,
5 retail sales tax on the full contract price. The Contracting Agency will automatically add this
6 sales tax to each payment to the Contractor. For this reason, the Contractor shall not include
7 the retail sales tax in the unit bid item prices, or in any other contract amount subject to Rule
8 170, with the following exception.

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

14 **1-07.2(3) Services**

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

19 **1-07.4 Sanitation**

20 **1-07.4(2) Health Hazards**

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

22
23 **(May 13, 2020)**

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

25
26 The Contractor shall prepare a project specific COVID-19 health and safety plan (CHSP).
27 The CHSP shall be prepared and submitted as a Type 2 Working Drawing prior to beginning
28 physical Work. The CHSP shall be based on the most current State and Federal
29 requirements. If the State or Federal requirements are revised, the CHSP shall be updated
30 as necessary to conform to the current requirements.
31

32
33 The Contractor shall update and resubmit the CHSP as the work progresses and new
34 activities appear on the look ahead schedule required under Section 1-08.3(2)D. If the
35 conditions change on the project, or a particular activity, the Contractor shall update and
36 resubmit the CHSP. Work on any activity shall cease if conditions prevent full compliance
37 with the CHSP.
38

39
40 The CHSP shall address the health and safety of all people associated with the project
41 including State workers in the field, Contractor personnel, consultants, project staff,
42 subcontractors, suppliers and anyone on the project site, staging areas, or yards.
43

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

45 The Contractor shall grant full and unrestricted access to the Engineer for CHSP
46 Inspections. The Engineer (or designee) will conduct periodic compliance inspections on
47 the project site, staging areas, or yards to verify that any ongoing work activity is following
48 the CHSP plan. If the Engineer becomes aware of a noncompliance incident either through
49 a site inspection or other means, the Contractor will be notified immediately (within 1 hour).
50 The Contractor shall immediately remedy the noncompliance incident or suspend all or part
51 of the associated work activity. The Contractor shall satisfy the Engineer that the
52 noncompliance incident has been corrected before the suspension will end.
53

54 **1-07.5 Environmental Regulations**

1 Section 1-07.5 is supplemented with the following:

2
3 **(September 20, 2010)**

4 **Environmental Commitments**

5 The following Provisions summarize the requirements, in addition to those required elsewhere
6 in the Contract, imposed upon the Contracting Agency by the various documents referenced in
7 the Special Provisions **Permits and Licenses**. Throughout the work, the Contractor shall
8 comply with the following requirements:

9
10 (August 4, 2014)

11 The Contractor shall submit a written notification to the Engineer no later than 10 calendar days
12 prior to beginning any ground disturbing activities ***between Sta 11+00 and 13+00 of the 24-ft
13 gravel access road and between Sta 27+75 and 29+23 of the gravel trail***. The Contractor
14 shall not commence any such ground disturbing activities until the monitor is present.

15
16 (April 1, 2019)

17 The Contractor shall notify the Engineer a minimum of ***10*** calendar days prior to
18 commencing any work in sensitive areas, mitigation areas, and wetland buffers. Installation of
19 construction fencing is excluded from this notice requirement.

20
21 **(August 3, 2009)**

22 **Payment**

23 All costs to comply with this special provision for the environmental commitments and
24 requirements are incidental to the contract and are the responsibility of the Contractor. The
25 Contractor shall include all related costs in the associated bid prices of the contract.

26
27 **1-07.5(3) State Department of Ecology**

28
29 (April 1, 2019)

30 Stormwater, dewatering water, or other authorized non-stormwater discharges that have come
31 into contact with pH modifying substances such as concrete rubble, cast concrete or amended
32 soils, need to be maintained between 6.5 – 8.5 standard units (su). If pH exceeds 8.5 su, the
33 Contractor shall immediately discontinue work and initiate treatment to prevent discharges
34 outside the acceptable range from occurring. All neutralization methods used shall be in
35 accordance with the permit. Work may resume once treatment has been implemented and the
36 pH of the stormwater or authorized non-stormwater discharge is between 6.5 – 8.5 u or it can
37 be demonstrated the high pH waters will not discharge to the surface waters.

38
39 Stormwater, dewatering water, and other authorized non-stormwater discharges are monitoring
40 weekly for compliance with the turbidity benchmark (25 nephelometric turbidity units (ntu)) and
41 the phone reporting trigger value (250 ntu) by the Contracting Agency. When the turbidity
42 benchmark is breached, the best management practices (BMPs) installed on-site are not
43 working adequately and need to be adapted, maintained or more BMPs shall be installed. When
44 the turbidity phone reporting trigger value is breached, immediate action is required in order to
45 lower the turbidity to ≤ 25 ntu or to eliminate the discharge. Daily follow-up discharge samples
46 will be collected at all locations where a discharge of 250 ntu or higher was collected unless the
47 discharge was stopped or eliminated .

48
49 **(April 2, 2018)**

50 **Payment**

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

1
2 **1-07.6 Permits and Licenses**

3 Section 1-07.6 is supplemented with the following:

4
5 (January 2, 2018)

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

10
11 Contact with the permitting agencies, concerning the below-listed permit(s), shall be made
12 through the Engineer with the exception of when the Construction Stormwater General Permit
13 coverage is transferred to the Contractor, direct communication with the Department of
14 Ecology is allowed. The Contractor shall be responsible for obtaining Ecology's approval for
15 any Work requiring additional approvals (e.g. Request for Chemical Treatment Form). The
16 Contractor shall obtain additional permits as necessary. All costs to obtain and comply with
17 additional permits shall be included in the applicable Bid items for the Work involved.

18
19 ***

NAME OF DOCUMENT	PERMITTING AGENCY	PERMIT REFERENCE NO.
NPDES Construction Stormwater General Permit	Department of Ecology	WAR309913
Shoreline Substantial Development Permit and Shoreline Conditional Use Permit	Lewis County Community Development	SHD19-0005
Floodplain Development Permit	Lewis County Community Development	FD19-00041
Septic Permit	Lewis County Community Development	S19-00226
Building Permit -	Lewis County Community Development	B19-00630
Building Permit -	Lewis County Community Development	B19-00631
Fill and Grade Permit	Lewis County Community Development	G19-00032

20
21 ***

22 **1-07.7 Load Limits**

23 Section 1-07.7 is supplemented with the following:

24
25 (*****)

26 If the source of materials provided by the Contractor necessitates hauling over roads other than
27 Lewis County roads, the Contractor shall, at the Contractor's expense, make all arrangements
28 for the use of the haul routes.

29
30 Any vehicle providing material paid for by the ton, on the project, will provide licensed tonnage
31 for that vehicle.

32
33 **1-07.9 Wages**

34
35 **1-07.9(1) General**

36 (*****)

37 Section 1-07.9(1) is supplemented with the following:

1
2 The State rates incorporated in this contract are applicable to all construction activities
3 associated with this contract.
4

5 (April 2, 2007)

6 **Application of Wage Rates For The Occupation Of Landscape Construction**

7

8 State prevailing wage rates for public works contracts are included in this contract and show a
9 separate listing for the occupation:

10
11 Landscape Construction, which includes several different occupation descriptions such as:
12 Irrigation and Landscape Plumbers, Irrigation and Landscape Power Equipment Operators,
13 and Landscaping or Planting Laborers.
14

15 In addition, federal wage rates that are included in this contract may also include occupation
16 descriptions in Federal Occupational groups for work also specifically identified with landscaping
17 such as:

18 Laborers with the occupation description, Landscaping or Planting, or

19 Power Equipment Operators with the occupation description, Mulch Seeding Operator.
20

21
22
23 If Federal wage rates include one or more rates specified as applicable to landscaping work, then
24 Federal wage rates for all occupation descriptions, specific or general, must be considered and
25 compared with corresponding State wage rates. The higher wage rate, either State or Federal,
26 becomes the minimum wage rate for the work performed in that occupation.
27

28 Contractors are responsible for determining the appropriate crafts necessary to perform the
29 contract work. If a classification considered necessary for performance of the work is missing from
30 the Federal Wage Determination applicable to the contract, the Contractor shall initiate a request
31 for approval of a proposed wage and benefit rate. The Contractor shall prepare and submit
32 Standard Form 1444, Request for Authorization of Additional Classification and Wage Rate
33 available at <http://www.wdol.gov/docs/sf1444.pdf>, and submit the completed form to the Project
34 Engineer's office. The presence of a classification wage on the Washington State Prevailing Wage
35 Rates For Public Works Contracts does not exempt the use of form 1444 for the purpose of
36 determining a federal classification wage rate.
37

38 (*****)

39 **Note: No landscape construction is anticipated in this contract. The above listed**
40 **occupation is provided as an example. It is the Contractor's responsibility to determine the**
41 **appropriate crafts and wage rates necessary to perform the contract work.**
42

43 **1-07.11 Requirements For Nondiscrimination**

44 Section 1-07.11 is supplemented with the following:
45

46 (September 3, 2019)

47 Requirement for Affirmative Action to Ensure Equal Employment Opportunity (Executive Order 48 11246)

49

- 50 1. The Contractor's attention is called to the Equal Opportunity Clause and the Standard
51 Federal Equal Employment Opportunity Construction Contract Specifications set forth
52 herein.
53

2. The goals and timetables for minority and female participation set by the Office of Federal Contract Compliance Programs, expressed in percentage terms for the Contractor's aggregate work force in each construction craft and in each trade on all construction work in the covered area, are as follows:

Women - Statewide

<u>Timetable</u>	<u>Goal</u>
Until further notice	6.9%
<u>Minorities - by Standard Metropolitan Statistical Area (SMSA)</u>	
Spokane, WA:	
SMSA Counties:	
Spokane, WA	2.8
WA Spokane.	
Non-SMSA Counties	
WA Adams; WA Asotin; WA Columbia; WA Ferry; WA Garfield; WA Lincoln, WA Pend Oreille; WA Stevens; WA Whitman.	3.0
Richland, WA	
SMSA Counties:	
Richland Kennewick, WA	5.4
WA Benton; WA Franklin.	
Non-SMSA Counties	
WA Walla Walla.	3.6
Yakima, WA:	
SMSA Counties:	
Yakima, WA	9.7
WA Yakima.	
Non-SMSA Counties	
WA Chelan; WA Douglas; WA Grant; WA Kittitas; WA Okanogan.	7.2
Seattle, WA:	
SMSA Counties:	
Seattle Everett, WA	7.2
WA King; WA Snohomish.	
Tacoma, WA	6.2
WA Pierce.	
Non-SMSA Counties	
WA Clallam; WA Grays Harbor; WA Island; WA Jefferson; WA Kitsap; WA Lewis; WA Mason; WA Pacific; WA San Juan; WA Skagit; WA Thurston; WA Whatcom.	6.1
Portland, OR:	
SMSA Counties:	
Portland, OR-WA	4.5
WA Clark.	
Non-SMSA Counties	
WA Cowlitz; WA Klickitat; WA Skamania; WA Wahkiakum.	3.8

1 These goals are applicable to each nonexempt Contractor's total on-site construction
2 workforce, regardless of whether or not part of that workforce is performing work on a
3 Federal, or federally assisted project, contract, or subcontract until further notice.
4 Compliance with these goals and time tables is enforced by the Office of Federal Contract
5 compliance Programs.

6
7 The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part
8 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific
9 affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a),
10 and its efforts to meet the goals. The hours of minority and female employment and training
11 must be substantially uniform throughout the length of the contract, in each construction
12 craft and in each trade, and the Contractor shall make a good faith effort to employ
13 minorities and women evenly on each of its projects. The transfer of minority or female
14 employees or trainees from Contractor to Contractor or from project to project for the sole
15 purpose of meeting the Contractor's goal shall be a violation of the contract, the Executive
16 Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured
17 against the total work hours performed.

- 18
19 3. The Contractor shall provide written notification to the Office of Federal Contract
20 Compliance Programs (OFCCP) within 10 working days of award of any construction
21 subcontract in excess of \$10,000 or more that are Federally funded, at any tier for
22 construction work under the contract resulting from this solicitation. The notification shall
23 list the name, address and telephone number of the Subcontractor; employer identification
24 number of the Subcontractor; estimated dollar amount of the subcontract; estimated
25 starting and completion dates of the subcontract; and the geographical area in which the
26 contract is to be performed. The notification shall be sent to:

27
28 U.S. Department of Labor
29 Office of Federal Contract Compliance Programs Pacific Region
30 Attn: Regional Director
31 San Francisco Federal Building
32 90 – 7th Street, Suite 18-300
33 San Francisco, CA 94103(415) 625-7800 Phone
34 (415) 625-7799 Fax
35

- 36 4. As used in this Notice, and in the contract resulting from this solicitation, the Covered Area
37 is as designated herein.

38
39 Standard Federal Equal Employment Opportunity Construction Contract Specifications
40 (Executive Order 11246)

- 41
42 1. As used in these specifications:
- 43 a. Covered Area means the geographical area described in the solicitation from
44 which this contract resulted;
 - 45 b. Director means Director, Office of Federal Contract Compliance Programs, United
46 States Department of Labor, or any person to whom the Director delegates
47 authority;
 - 48 c. Employer Identification Number means the Federal Social Security number used
49 on the Employer's Quarterly Federal Tax Return, U. S. Treasury Department Form
50 941;
 - 51
 - 52
 - 53

1
2 d. Minority includes:
3

- 4 (1) Black, a person having origins in any of the Black Racial Groups of Africa.
5
6 (2) Hispanic, a fluent Spanish speaking, Spanish surnamed person of
7 Mexican, Puerto Rican, Cuban, Central American, South American, or
8 other Spanish origin.
9
10 (3) Asian or Pacific Islander, a person having origins in any of the original
11 peoples of the Pacific rim or the Pacific Islands, the Hawaiian Islands and
12 Samoa.
13
14 (4) American Indian or Alaskan Native, a person having origins in any of the
15 original peoples of North America, and who maintain cultural
16 identification through tribal affiliation or community recognition.
17

- 18 2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the
19 work involving any construction trade, it shall physically include in each subcontract in
20 excess of \$10,000 the provisions of these specifications and the Notice which contains the
21 applicable goals for minority and female participation and which is set forth in the
22 solicitations from which this contract resulted.
23
24 3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved
25 by the U.S. Department of Labor in the covered area either individually or through an
26 association, its affirmative action obligations on all work in the Plan area (including goals
27 and timetables) shall be in accordance with that Plan for those trades which have unions
28 participating in the Plan. Contractors must be able to demonstrate their participation in and
29 compliance with the provisions of any such Hometown Plan. Each Contractor or
30 Subcontractor participating in an approved Plan is individually required to comply with its
31 obligations under the EEO clause, and to make a good faith effort to achieve each goal
32 under the Plan in each trade in which it has employees. The overall good faith performance
33 by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse
34 any covered Contractor's or Subcontractor's failure to take good faith effort to achieve the
35 Plan goals and timetables.
36
37 4. The Contractor shall implement the specific affirmative action standards provided in
38 paragraphs 7a through 7p of this Special Provision. The goals set forth in the solicitation
39 from which this contract resulted are expressed as percentages of the total hours of
40 employment and training of minority and female utilization the Contractor should reasonably
41 be able to achieve in each construction trade in which it has employees in the covered area.
42 Covered construction contractors performing construction work in geographical areas
43 where they do not have a Federal or federally assisted construction contract shall apply the
44 minority and female goals established for the geographical area where the work is being
45 performed. The Contractor is expected to make substantially uniform progress in meeting
46 its goals in each craft during the period specified.
47
48 5. Neither the provisions of any collective bargaining agreement, nor the failure by a union
49 with whom the Contractor has a collective bargaining agreement, to refer either minorities
50 or women shall excuse the Contractor's obligations under these specifications, Executive
51 Order 11246, or the regulations promulgated pursuant thereto.
52

- 1 6. In order for the nonworking training hours of apprentices and trainees to be counted in
2 meeting the goals, such apprentices and trainees must be employed by the Contractor
3 during the training period, and the Contractor must have made a commitment to employ
4 the apprentices and trainees at the completion of their training, subject to the availability of
5 employment opportunities. Trainees must be trained pursuant to training programs
6 approved by the U.S. Department of Labor.
7
- 8 7. The Contractor shall take specific affirmative actions to ensure equal employment
9 opportunity. The evaluation of the Contractor's compliance with these specifications shall
10 be based upon its effort to achieve maximum results from its action. The Contractor shall
11 document these efforts fully, and shall implement affirmative action steps at least as
12 extensive as the following:
13
- 14 a. Ensure and maintain a working environment free of harassment, intimidation, and
15 coercion at all sites, and in all facilities at which the Contractor's employees are
16 assigned to work. The Contractor, where possible, will assign two or more women
17 to each construction project. The Contractor shall specifically ensure that all
18 foremen, superintendents, and other on-site supervisory personnel are aware of
19 and carry out the Contractor's obligation to maintain such a working environment,
20 with specific attention to minority or female individuals working at such sites or in
21 such facilities.
22
 - 23 b. Establish and maintain a current list of minority and female recruitment sources,
24 provide written notification to minority and female recruitment sources and to
25 community organizations when the Contractor or its unions have employment
26 opportunities available, and maintain a record of the organizations' responses.
27
 - 28 c. Maintain a current file of the names, addresses and telephone numbers of each
29 minority and female off-the-street applicant and minority or female referral from a
30 union, a recruitment source or community organization and of what action was
31 taken with respect to each such individual. If such individual was sent to the union
32 hiring hall for referral and was not referred back to the Contractor by the union or,
33 if referred, not employed by the Contractor, this shall be documented in the file
34 with the reason therefor, along with whatever additional actions the Contractor
35 may have taken.
36
 - 37 d. Provide immediate written notification to the Director when the union or unions
38 with which the Contractor has a collective bargaining agreement has not referred
39 to the Contractor a minority person or woman sent by the Contractor, or when the
40 Contractor has other information that the union referral process has impeded the
41 Contractor's efforts to meet its obligations.
42
 - 43 e. Develop on-the-job training opportunity and/or participate in training programs for
44 the area which expressly include minorities and women, including upgrading
45 programs and apprenticeship and trainee programs relevant to the Contractor's
46 employment needs, especially those programs funded or approved by the U.S.
47 Department of Labor. The Contractor shall provide notice of these programs to
48 the sources compiled under 7b above.
49
 - 50 f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions
51 and training programs and requesting their cooperation in assisting the Contractor
52 in meeting its EEO obligations; by including it in any policy manual and collective
53 bargaining agreement; by publicizing it in the company newspaper, annual report,

1 etc.; by specific review of the policy with all management personnel and with all
2 minority and female employees at least once a year; and by posting the company
3 EEO policy on bulletin boards accessible to all employees at each location where
4 construction work is performed.

- 5
- 6 g. Review, at least annually, the company's EEO policy and affirmative action
7 obligations under these specifications with all employees having any responsibility
8 for hiring, assignment, layoff, termination or other employment decisions including
9 specific review of these items with on-site supervisory personnel such as
10 Superintendents, General Foremen, etc., prior to the initiation of construction work
11 at any job site. A written record shall be made and maintained identifying the time
12 and place of these meetings, persons attending, subject matter discussed, and
13 disposition of the subject matter.
- 14
- 15 h. Disseminate the Contractor's EEO policy externally by including it in any
16 advertising in the news media, specifically including minority and female news
17 media, and providing written notification to and discussing the Contractor's EEO
18 policy with other Contractors and Subcontractors with whom the Contractor does
19 or anticipates doing business.
- 20
- 21 i. Direct its recruitment efforts, both oral and written to minority, female and
22 community organizations, to schools with minority and female students and to
23 minority and female recruitment and training organizations serving the
24 Contractor's recruitment area and employment needs. Not later than one month
25 prior to the date for the acceptance of applications for apprenticeship or other
26 training by any recruitment source, the Contractor shall send written notification to
27 organizations such as the above, describing the openings, screening procedures,
28 and tests to be used in the selection process.
- 29
- 30 j. Encourage present minority and female employees to recruit other minority
31 persons and women and where reasonable, provide after school, summer and
32 vacation employment to minority and female youth both on the site and in other
33 areas of a Contractor's work force.
- 34
- 35 k. Validate all tests and other selection requirements where there is an obligation to
36 do so under 41 CFR Part 60-3.
- 37
- 38 l. Conduct, at least annually, an inventory and evaluation of all minority and female
39 personnel for promotional opportunities and encourage these employees to seek
40 or to prepare for, through appropriate training, etc., such opportunities.
- 41
- 42 m. Ensure that seniority practices, job classifications, work assignments and other
43 personnel practices, do not have a discriminatory effect by continually monitoring
44 all personnel and employment related activities to ensure that the EEO policy and
45 the Contractor's obligations under these specifications are being carried out.
- 46
- 47 n. Ensure that all facilities and company activities are nonsegregated except that
48 separate or single-user toilet and necessary changing facilities shall be provided
49 to assure privacy between the sexes.
- 50
- 51 o. Document and maintain a record of all solicitations of offers for subcontracts from
52 minority and female construction contractors and suppliers, including circulation

1 of solicitations to minority and female contractor associations and other business
2 associations.

- 3
4 p. Conduct a review, at least annually, of all supervisors' adherence to and
5 performance under the Contractor's EEO policies and affirmative action
6 obligations.

7
8 8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling
9 one or more of their affirmative action obligations (7a through 7p). The efforts of a
10 contractor association, joint contractor-union, contractor-community, or other similar group
11 of which the Contractor is a member and participant, may be asserted as fulfilling any one
12 or more of the obligations under 7a through 7p of this Special Provision provided that the
13 Contractor actively participates in the group, makes every effort to assure that the group
14 has a positive impact on the employment of minorities and women in the industry, ensure
15 that the concrete benefits of the program are reflected in the Contractor's minority and
16 female work-force participation, makes a good faith effort to meet its individual goals and
17 timetables, and can provide access to documentation which demonstrate the effectiveness
18 of actions taken on behalf of the Contractor. The obligation to comply, however, is the
19 Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the
20 Contractor's noncompliance.

21
22 9. A single goal for minorities and a separate single goal for women have been established.
23 The Contractor, however, is required to provide equal employment opportunity and to take
24 affirmative action for all minority groups, both male and female, and all women, both
25 minority and non-minority. Consequently, the Contractor may be in violation of the
26 Executive Order if a particular group is employed in substantially disparate manner (for
27 example, even though the Contractor has achieved its goals for women generally, the
28 Contractor may be in violation of the Executive Order if a specific minority group of women
29 is underutilized).

30
31 10. The Contractor shall not use the goals and timetables or affirmative action standards to
32 discriminate against any person because of race, color, religion, sex, or national origin.

33
34 11. The Contractor shall not enter into any subcontract with any person or firm debarred from
35 Government contracts pursuant to Executive Order 11246.

36
37 12. The Contractor shall carry out such sanctions and penalties for violation of these
38 specifications and of the Equal Opportunity Clause, including suspensions, terminations
39 and cancellations of existing subcontracts as may be imposed or ordered pursuant to
40 Executive Order 11246, as amended, and its implementing regulations by the Office of
41 Federal Contract Compliance Programs. Any Contractor who fails to carry out such
42 sanctions and penalties shall be in violation of these specifications and Executive Order
43 11246, as amended.

44
45 13. The Contractor, in fulfilling its obligations under these specifications, shall implement
46 specific affirmative action steps, at least as extensive as those standards prescribed in
47 paragraph 7 of this Special Provision, so as to achieve maximum results from its efforts to
48 ensure equal employment opportunity. If the Contractor fails to comply with the
49 requirements of the Executive Order, the implementing regulations, or these specifications,
50 the Director shall proceed in accordance with 41 CFR 60-4.8.

51
52 14. The Contractor shall designate a responsible official to monitor all employment related
53 activity to ensure that the company EEO policy is being carried out, to submit reports

1 relating to the provisions hereof as may be required by the government and to keep records.
2 Records shall at least include, for each employee, their name, address, telephone numbers,
3 construction trade, union affiliation if any, employee identification number when assigned,
4 social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or
5 laborer), dates of changes in status, hours worked per week in the indicated trade, rate of
6 pay, and locations at which the work was performed. Records shall be maintained in an
7 easily understandable and retrievable form; however, to the degree that existing records
8 satisfy this requirement, the Contractors will not be required to maintain separate records.
9

10 15. Nothing herein provided shall be construed as a limitation upon the application of other laws
11 which establish different standards of compliance or upon the application of requirements
12 for the hiring of local or other area residents (e.g., those under the Public Works
13 Employment Act of 1977 and the Community Development Block Grant Program).
14

15 16. Additional assistance for Federal Construction Contractors on contracts administered by
16 Washington State Department of Transportation or by Local Agencies may be found at:

17
18 Washington State Dept. of Transportation
19 Office of Equal Opportunity
20 PO Box 47314
21 310 Maple Park Ave. SE
22 Olympia WA
23 98504-7314
24 Ph: 360-705-7090
25 Fax: 360-705-6801
26 <http://www.wsdot.wa.gov/equalopportunity/default.htm>
27

28 **1-07.17, Utilities and Similar Facilities**
29 (April 2, 2007)
30

31 Section 1-07.17 is supplemented with the following:

32
33 Locations and dimensions shown in the Plans for existing facilities are in accordance with
34 available information obtained without uncovering, measuring, or other verification.
35

36 The following addresses and telephone numbers of utility companies known or suspected of
37 having facilities within the project limits are supplied for the Contractor's convenience:
38

39 Lewis County P.U.D. No. 1
40 321 NW Pacific Avenue
41 Chehalis, WA 98532
42 Telephone (360) 748-9261
43

Lumen / Century Link Inc.
Cariaga, Dioni <Dioni.Cariaga@lumen.com>
411 S. Kaiser Rd, Olympia, WA
(206) 733-5261 cell: (360)250-2596

44 The Contractor shall call the Underground locate service (800-424-5555) two to ten days prior to
45 construction. The Contractor shall notify the Utility Owner of any utilities that are within two feet of
46 the planned construction. The above list of Utility Owners may not be complete. As per RCW 19.122
47 it shall be the Contractors responsibility to contact the owners of utilities known or suspected of
48 having services close to the project site.
49

50 **1-07.18 Public Liability and Property Damage Insurance**
51

52 Delete this section in its entirety, and replace it with the following:
53

1 **1-07.18 Insurance**

2 *(January 4, 2016 APWA GSP)*

3
4 **1-07.18(1) General Requirements**

- 5 A. The Contractor shall procure and maintain the insurance described in all subsections of section
6 1-07.18 of these Special Provisions, from insurers with a current A. M. Best rating of not less
7 than A-: VII and licensed to do business in the State of Washington. The Contracting Agency
8 reserves the right to approve or reject the insurance provided, based on the insurer's financial
9 condition.
- 10
11 B. The Contractor shall keep this insurance in force without interruption from the commencement
12 of the Contractor's Work through the term of the Contract and for thirty (30) days after the
13 Physical Completion date, unless otherwise indicated below.
- 14
15 C. If any insurance policy is written on a claims made form, its retroactive date, and that of all
16 subsequent renewals, shall be no later than the effective date of this Contract. The policy shall
17 state that coverage is claims made, and state the retroactive date. Claims-made form
18 coverage shall be maintained by the Contractor for a minimum of 36 months following the
19 Completion Date or earlier termination of this Contract, and the Contractor shall annually
20 provide the Contracting Agency with proof of renewal. If renewal of the claims made form of
21 coverage becomes unavailable, or economically prohibitive, the Contractor shall purchase an
22 extended reporting period ("tail") or execute another form of guarantee acceptable to the
23 Contracting Agency to assure financial responsibility for liability for services performed.
- 24
25 D. The Contractor's Automobile Liability, Commercial General Liability and Excess or Umbrella
26 Liability insurance policies shall be primary and non-contributory insurance as respects the
27 Contracting Agency's insurance, self-insurance, or self-insured pool coverage. Any insurance,
28 self-insurance, or self-insured pool coverage maintained by the Contracting Agency shall be
29 excess of the Contractor's insurance and shall not contribute with it.
- 30
31 E. The Contractor shall provide the Contracting Agency and all additional insureds with written
32 notice of any policy cancellation, within two business days of their receipt of such notice.
- 33
34 G. The Contractor shall not begin work under the Contract until the required insurance has been
35 obtained and approved by the Contracting Agency
- 36
37 H. Failure on the part of the Contractor to maintain the insurance as required shall constitute a
38 material breach of contract, upon which the Contracting Agency may, after giving five business
39 days' notice to the Contractor to correct the breach, immediately terminate the Contract or, at
40 its discretion, procure or renew such insurance and pay any and all premiums in connection
41 therewith, with any sums so expended to be repaid to the Contracting Agency on demand, or at
42 the sole discretion of the Contracting Agency, offset against funds due the Contractor from the
43 Contracting Agency.
- 44
45 I. All costs for insurance shall be incidental to and included in the unit or lump sum prices of the
46 Contract and no additional payment will be made.

47
48 **1-07.18(2) Additional Insured**

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

- 52 ▪ the Contracting Agency and its officers, elected officials, employees, agents, and volunteers

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

6
7 For Commercial General Liability insurance coverage, the required additional insured
8 endorsements shall be at least as broad as ISO forms CG 20 10 10 01 for ongoing operations and
9 CG 20 37 10 01 for completed operations.

10
11 **1-07.18(3) Subcontractors**

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

16
17 The Contractor shall ensure that all Subcontractors of every tier add all entities listed in 1-07.18(2)
18 as additional insureds, and provide proof of such on the policies as required by that section as
19 detailed in 1-07.18(2) using an endorsement as least as broad as ISO CG 20 10 10 01 for ongoing
20 operations and CG 20 37 10 01 for completed operations.

21
22 Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency
23 evidence of insurance and copies of the additional insured endorsements of each Subcontractor of
24 every tier as required in 1-07.18(4) Verification of Coverage.

25
26 **1-07.18(4) Verification of Coverage**

27 The Contractor shall deliver to the Contracting Agency a Certificate(s) of Insurance and
28 endorsements for each policy of insurance meeting the requirements set forth herein when the
29 Contractor delivers the signed Contract for the work. Failure of Contracting Agency to demand
30 such verification of coverage with these insurance requirements or failure of Contracting Agency to
31 identify a deficiency from the insurance documentation provided shall not be construed as a waiver
32 of Contractor's obligation to maintain such insurance.

33
34 Verification of coverage shall include:

- 35 1. An ACORD certificate or a form determined by the Contracting Agency to be equivalent.
36 2. Copies of all endorsements naming Contracting Agency and all other entities listed in
37 1-07.18(2) as additional insured(s), showing the policy number. The Contractor may submit a
38 copy of any blanket additional insured clause from its policies instead of a separate
39 endorsement.
40 3. Any other amendatory endorsements to show the coverage required herein.
41 4. A notation of coverage enhancements on the Certificate of Insurance shall not satisfy these
42 requirements – actual endorsements must be submitted.

43
44 Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency a
45 full and certified copy of the insurance policy(s). If Builders Risk insurance is required on this
46 Project, a full and certified copy of that policy is required when the Contractor delivers the signed
47 Contract for the work.

48
49 **1-07.18(5) Coverages and Limits**

50 The insurance shall provide the minimum coverages and limits set forth below. Contractor's
51 maintenance of insurance, its scope of coverage, and limits as required herein shall not be

1 construed to limit the liability of the Contractor to the coverage provided by such insurance, or
2 otherwise limit the Contracting Agency's recourse to any remedy available at law or in equity.

3
4 All deductibles and self-insured retentions must be disclosed and are subject to approval by the
5 Contracting Agency. The cost of any claim payments falling within the deductible or self-insured
6 retention shall be the responsibility of the Contractor. In the event an additional insured incurs a
7 liability subject to any policy's deductibles or self-insured retention, said deductibles or self-insured
8 retention shall be the responsibility of the Contractor.

9
10 **1-07.18(5)A Commercial General Liability**

11 Commercial General Liability insurance shall be written on coverage forms at least as broad as
12 ISO occurrence form CG 00 01, including but not limited to liability arising from premises,
13 operations, stop gap liability, independent contractors, products-completed operations, personal
14 and advertising injury, and liability assumed under an insured contract. There shall be no
15 exclusion for liability arising from explosion, collapse or underground property damage.

16
17 The Commercial General Liability insurance shall be endorsed to provide a per project general
18 aggregate limit, using ISO form CG 25 03 05 09 or an equivalent endorsement.

19
20 Contractor shall maintain Commercial General Liability Insurance arising out of the Contractor's
21 completed operations for at least three years following Substantial Completion of the Work.

22
23 Such policy must provide the following minimum limits:

24	\$1,000,000	Each Occurrence
25	\$2,000,000	General Aggregate
26	\$2,000,000	Products & Completed Operations Aggregate
27	\$1,000,000	Personal & Advertising Injury each offence
28	\$1,000,000	Stop Gap / Employers' Liability each accident

29
30 **1-07.18(5)B Automobile Liability**

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

34
35 Such policy must provide the following minimum limit:

36	\$1,000,000	Combined single limit each accident
----	-------------	-------------------------------------

37
38 **1-07.18(5)C Workers' Compensation**

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

41
42 **1-07.23, PUBLIC CONVENIENCE AND SAFETY**

43 **1-07.23(1) Construction Under Traffic**

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

45
46 (February 3, 2020)

47 **Work Zone Clear Zone**

48 The Work Zone Clear Zone (WZCZ) applies during working and nonworking hours.
49 The WZCZ applies only to temporary roadside objects introduced by the Contractor's
50 operations and does not apply to preexisting conditions or permanent Work. Those

work operations that are actively in progress shall be in accordance with adopted and approved Traffic Control Plans, and other contract requirements.

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

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

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

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

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

Regulatory Posted Speed	Distance From Traveled Way (Feet)
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

1-08, PROSECUTION AND PROGRESS

1-08.0 Preliminary Matters
(May 25, 2006 APWA GSP)

Add the following new section:

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 later than 3 working days prior to the day(s) the Contractor is requesting to change the hours.

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

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

1
2 **1-08.1 Subcontracting**

3 (December 19, 2019 APWA GSP, Option A)
4

5 Prior to any subcontractor or lower tier subcontractor beginning work, the Contractor shall submit to
6 the Engineer a certification (WSDOT Form 420-004) that a written agreement between the Contractor
7 and the subcontractor or between the subcontractor and any lower tier subcontractor has been
8 executed. This certification shall also guarantee that these subcontract agreements include all the
9 documents required by the Special Provision Federal Agency Inspection.
10

11 A Subcontractor or lower tier Subcontractor will not be permitted to perform any work under the
12 contract until the following documents have been completed and submitted to the Engineer:
13

- 14 1. Request to Sublet Work (WSDOT Form 421-012), and
- 15 2. Contractor and Subcontractor or Lower Tier Subcontractor Certification for Federal-aid
16 Projects (WSDOT Form 420-004).
17

18 The Contractor shall submit to the Engineer a completed Monthly Retainage Report (WSDOT Form
19 272-065) within 15 calendar days after receipt of every monthly progress payment until every
20 Subcontractor and lower tier Subcontractor's retainage has been released.
21

22 The ninth paragraph, beginning with "On all projects, ..." is revised to read:
23

24 The Contractor shall certify to the actual amount received from the Contracting Agency and
25 amounts paid to all firms that were used as Subcontractors, lower tier subcontractors,
26 manufacturers, regular dealers, or service providers on the Contract. This includes all
27 Disadvantaged, Minority, Small, Veteran or Women's Business Enterprise firms. This
28 Certification shall be submitted to the Engineer on a monthly basis each month between
29 Execution of the Contract and Physical Completion of the Contract using the application available
30 at: <https://wsdot.diversitycompliance.com>. A monthly report shall be submitted for every month
31 between Execution of the Contract and Physical Completion regardless of whether payments
32 were made or work occurred.
33

34 **1-08.3(2)A Type A Progress Schedule**
35 (March 13, 2012 APWA GSP)
36

37 Revise this section to read:
38

39 The Contractor shall submit ~~3~~ 3 copies of a Type A Progress Schedule no later than one
40 week before the preconstruction conference, or some other mutually agreed upon submittal
41 time. The schedule may be a critical path method (CPM) schedule, bar chart, or other standard
42 schedule format. Regardless of which format used, the schedule shall identify the critical path.
43 The Engineer will evaluate the Type A Progress Schedule and approve or return the schedule
44 for corrections within 15 calendar days of receiving the submittal.
45

46 **Contractor's Weekly Activities**
47 (*****)

48 The Contractor shall submit a weekly schedule to the Engineer. The schedule shall
49 indicate the Contractor's proposed activities for the forthcoming week along with the hours
50 of work. This will permit the Engineer to more effectively provide the contract engineering
51 and inspection for the Contractor's operations.
52

53 The written weekly activity schedule shall be submitted to the Engineer or a designated

1 assistant before the end of the last shift on the next to the last working day of the week
2 preceding the indicated activities, or other mutually agreeable time.
3

4 If the Contractor proceeds with work not indicated on the weekly activity schedule, or in a
5 sequence differing from that which has been shown on the schedule, the Engineer may
6 require the Contractor to delay unscheduled activities until they are included on a
7 subsequent weekly activity schedule.
8

9 Separately, and in addition to the weekly schedule, the Contractor shall submit weekly a
10 summary of project activities to the Engineer. The summary of activities shall include a
11 report of the nature and progress of each of the major activities that were advanced on the
12 project within the previous week.
13

14 **1-08.4 Prosecution Of Work**

15 Revise this section to read:

16 **1-08.4 Notice to Proceed and Prosecution of Work** 17 *(July 23, 2015 APWA GSP)* 18

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

29 **1-08.5 Time for Completion**

30 *(November 30, 2018 APWA GSP, Option B)*
31

32 Revise the third and fourth paragraphs to read:

33
34 Contract time shall begin on the first working day following the ~~the~~ the 10th calendar day after the
35 Notice to Proceed date. If the Contractor starts work on the project at an earlier date, then
36 contract time shall begin on the first working day when onsite work begins.
37

38 Each working day shall be charged to the contract as it occurs, until the contract work is
39 physically complete. If substantial completion has been granted and all the authorized working
40 days have been used, charging of working days will cease. Each week the Engineer will
41 provide the Contractor a statement that shows the number of working days: (1) charged to the
42 contract the week before; (2) specified for the physical completion of the contract; and (3)
43 remaining for the physical completion of the contract. The statement will also show the
44 nonworking days and any partial or whole day the Engineer declares as unworkable. Within 10
45 calendar days after the date of each statement, the Contractor shall file a written protest of any
46 alleged discrepancies in it. To be considered by the Engineer, the protest shall be in sufficient
47 detail to enable the Engineer to ascertain the basis and amount of time disputed. By not filing
48 such detailed protest in that period, the Contractor shall be deemed as having accepted the
49 statement as correct. If the Contractor is approved to work 10 hours a day and 4 days a week
50 (a 4-10 schedule) and the fifth day of the week in which a 4-10 shift is worked would ordinarily
51 be charged as a working day, then the fifth day of that week will be charged as a working day
52 whether or not the Contractor works on that day.

1
2 Revise the sixth paragraph to read:

3
4 The Engineer will give the Contractor written notice of the completion date of the contract after
5 all the Contractor's obligations under the contract have been performed by the Contractor. The
6 following events must occur before the Completion Date can be established:

- 7 1. The physical work on the project must be complete; and
- 8 2. The Contractor must furnish all documentation required by the contract and required by law,
9 to allow the Contracting Agency to process final acceptance of the contract. The following
10 documents must be received by the Project Engineer prior to establishing a completion
11 date:
- 12 a. Certified Payrolls (per Section 1-07.9(5)).
 - 13 b. Material Acceptance Certification Documents
 - 14 c. Monthly Reports of Amounts Credited as DBE Participation, as required by the Contract
15 Provisions.
 - 16 d. Final Contract Voucher Certification
 - 17 e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the Contractor and all
18 Subcontractors
 - 19 f. A copy of the Notice of Termination sent to the Washington State Department of
20 Ecology (Ecology); the elapse of 30 calendar days from the date of receipt of the Notice
21 of Termination by Ecology; and no rejection of the Notice of Termination by Ecology.
22 This requirement will not apply if the Construction Stormwater General Permit is
23 transferred back to the Contracting Agency in accordance with Section 8-01.3(16).
 - 24 g. Property owner releases per Section 1-07.24

25
26 (*****)

27 This project shall be physically complete within *** 25 *** working days.

28
29

30 **1-09, MEASUREMENT AND PAYMENT**

31 **1-09.9 Payments**

32 *(March 13, 2012 APWA GSP)*

33

34 Delete the first four paragraphs and replace them with the following:

35

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

38

39 The Contractor shall submit a breakdown of the cost of lump sum bid items at the
40 Preconstruction Conference, to enable the Project Engineer to determine the Work performed
41 on a monthly basis. A breakdown is not required for lump sum items that include a basis for
42 incremental payments as part of the respective Specification. Absent a lump sum breakdown,
43 the Project Engineer will make a determination based on information available. The Project
44 Engineer's determination of the cost of work shall be final.

45

46 Progress payments for completed work and material on hand will be based upon progress
47 estimates prepared by the Engineer. A progress estimate cutoff date will be established at the
48 preconstruction conference.

1
2 The initial progress estimate will be made not later than 30 days after the Contractor
3 commences the work, and successive progress estimates will be made every month thereafter
4 until the Completion Date. Progress estimates made during progress of the work are tentative,
5 and made only for the purpose of determining progress payments. The progress estimates are
6 subject to change at any time prior to the calculation of the final payment.
7

8 The value of the progress estimate will be the sum of the following:

- 9 1. Unit Price Items in the Bid Form — the approximate quantity of acceptable units of work
10 completed multiplied by the unit price.
- 11 2. Lump Sum Items in the Bid Form — based on the approved Contractor’s lump sum
12 breakdown for that item, or absent such a breakdown, based on the Engineer’s
13 determination.
- 14 3. Materials on Hand — 100 percent of invoiced cost of material delivered to Job site or
15 other storage area approved by the Engineer.
- 16 4. Change Orders — entitlement for approved extra cost or completed extra work as
17 determined by the Engineer.
18

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

- 20 1. Retainage per Section 1-09.9(1), on non FHWA-funded projects;
- 21 2. The amount of progress payments previously made; and
- 22 3. Funds withheld by the Contracting Agency for disbursement in accordance with the
23 Contract Documents.
24

25 Progress payments for work performed shall not be evidence of acceptable performance or an
26 admission by the Contracting Agency that any work has been satisfactorily completed. The
27 determination of payments under the contract will be final in accordance with Section 1-05.1.
28

29 **1-09.9(1) Retainage**

30 Section 1-09.9(1) is supplemented with the following:

31 **Retainage of 5 percent shall be as required by RCW 60.28.011.**
32
33

34 **1-09.11 Disputes and Claims**

35 **1-09.11(3) Time Limitation and Jurisdiction**

36 *(November 30, 2018 APWA GSP)*
37
38

39 Revise this section to read:

40
41 For the convenience of the parties to the Contract it is mutually agreed by the parties that any
42 claims or causes of action which the Contractor has against the Contracting Agency arising
43 from the Contract shall be brought within 180 calendar days from the date of final acceptance
44 (Section 1-05.12) of the Contract by the Contracting Agency; and it is further agreed that any
45 such claims or causes of action shall be brought only in the Superior Court of the county where
46 the Contracting Agency headquarters is located, provided that where an action is asserted
47 against a county, RCW 36.01.050 shall control venue and jurisdiction. The parties understand
48 and agree that the Contractor’s failure to bring suit within the time period provided, shall be a
49 complete bar to any such claims or causes of action. It is further mutually agreed by the parties
50 that when any claims or causes of action which the Contractor asserts against the Contracting

1 Agency arising from the Contract are filed with the Contracting Agency or initiated in court, the
2 Contractor shall permit the Contracting Agency to have timely access to any records deemed
3 necessary by the Contracting Agency to assist in evaluating the claims or action.
4

5 **1-09.13 Claims Resolution**

6 **1-09.13(3) Claims \$250,000 or Less** 7 (October 1, 2005 APWA GSP)

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

10 The Contractor and the Contracting Agency mutually agree that those claims that total
11 \$250,000 or less, submitted in accordance with Section 1-09.11 and not resolved by
12 nonbinding ADR processes, shall be resolved through litigation unless the parties mutually
13 agree in writing to resolve the claim through binding arbitration.
14

15 **1-09.13(3)A Administration of Arbitration** 16 (November 30, 2018 APWA GSP)

17 Revise the third paragraph to read:
18

19 The Contracting Agency and the Contractor mutually agree to be bound by the decision of the
20 arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the
21 Superior Court of the county in which the Contracting Agency's headquarters is located,
22 provided that where claims subject to arbitration are asserted against a county, RCW
23 36.01.050 shall control venue and jurisdiction of the Superior Court. The decision of the
24 arbitrator and the specific basis for the decision shall be in writing. The arbitrator shall use the
25 Contract as a basis for decisions.
26

27 **1-09.13(4) Claims in Excess of \$250,000**

28 Section 1-09.13(4) is hereby deleted and replaced with the following:
29

30 **CLAIMS RESOLUTION** 31 (Lewis County)

32 Any dispute arising from the contract shall be processed in accordance with Section 1-04.5
33 and Sections 1-09.11 through 1-09.13(1) of the Standard Specifications. The provisions of
34 these sections must be complied with in full as a condition precedent to the Contractor's right
35 to seek claims resolution through arbitration or litigation. The Contractor may file with the
36 Engineer a request for binding arbitration; the Engineer's decision regarding that request shall
37 be final and unappealable. Nothing in this paragraph affects or tolls the limitations period as
38 set forth in Section 1-09.11(3) of the Standard Specifications. However, if the Contractor files
39 a lawsuit raising any claim(s) arising from the contract, the parties shall, if the Engineer so
40 directs, submit such claim(s) to binding arbitration, subject to the rights of any party thereto to
41 file with the Lewis County Superior Court motions to dismiss or for summary judgment at any
42 time. In any binding arbitration proceeding, the provisions of subparagraphs (a) and (b) shall
43 apply.
44

- 45
- 46 a) Unless the parties otherwise agree, all disputes subject to arbitration shall be
47 heard in a single arbitration hearing, and then only after completion of the
48 contract. The parties shall be bound by Ch. 7.04 RCW generally, and by the
49 arbitration rules hereafter stated, and shall, for purposes of administration of the
50
51
52
53

1 arbitration, comply where applicable with the 1994 Lewis County Superior Court
2 Mandatory Arbitration Rules (LMAR) sections 1.1(b), 1.3, 2.3, 3.1, 3.2(a) and (b),
3 5.1, 5.2 (except as referenced to MAR 5.2), 5.3, 6.1, 6.2 (including the
4 referenced MAR 6.2), and 8.6. There shall be one arbitrator, to be chosen by
5 mutual agreement of the parties from the list provided by the Lewis County
6 Superior Court Administrator. If the parties cannot agree on a person to serve as
7 arbitrator, the matter shall be submitted for appointment of an arbitrator under
8 LMAR 2.3. The arbitrator shall determine the scope and extent of discovery,
9 except that the Contractor shall provide and update the information required by
10 Section 1-09.11(2) of the Standard Specifications. Additionally, each party shall
11 file a statement of proof with the other party and the arbitrator at least 20
12 calendar days before the scheduled arbitration hearing. The statement of proof
13 shall include:

- 14
- 15 1. The name, business address and contact telephone number of each
16 witness who will testify at the hearing.
- 17
- 18 2. For each witness to be offered as an expert, a statement of the
19 subject matter and a statement of the facts, resource materials (not
20 protected by privilege) and learned treatises upon which the expert
21 is expected to testify and render an opinion(s), synopsis of the basis
22 for such opinion(s), and a resume of the expert detailing his/her
23 qualifications as an expert and pursuant to rendering such
24 opinion(s). A list of documents and other exhibits the party intends
25 to offer in evidence at the arbitration hearing. Either party may
26 request a copy of any document listed, and a copy or description of
27 any other exhibit listed. The party receiving the request shall
28 provide the copies or description within five (5) calendar days. The
29 parties or arbitrator may subpoena parties in accordance with the
30 Superior Court Mandatory Arbitration Rules (MAR) of Washington,
31 Rule 4.3, and witness fees and costs shall be provided for under
32 Rule 6.4, thereof. The arbitrator may permit a party to call a witness
33 or offer a document or other exhibit not included in the statement of
34 proof only upon a showing of good cause.
- 35

- 36 b) The arbitration hearing shall be conducted at a location within Lewis County,
37 Washington. The extent of application of the Washington Rules of Evidence
38 shall be determined in the exercise of sound discretion of the arbitrator, except
39 that such Rules should be liberally construed in order to promote justice. The
40 parties should stipulate to the admission of evidence when there is no genuine
41 issue as to its relevance or authenticity. The decision of the arbitrator and the
42 specific grounds for the decision shall be in writing. The arbitrator shall use the
43 contract as a basis for its decisions. The County and the Contractor agree to be
44 bound by the decision of the arbitrator, subject to such remedies as are provided
45 in Ch. 7.04 RCW. Judgment upon the award rendered by the arbitrator shall be
46 entered as judgment before the presiding judge of the Superior Court for Lewis
47 County. Each party shall bear its own costs in connection with the arbitration.
48 Each party shall pay one-half of the arbitrator's fees and expenses.
- 49
- 50
- 51
- 52
- 53

DIVISION 2 EARTHWORK

1 **2-01, CLEARING, GRUBBING AND ROADSIDE CLEANUP**

2 **2-01.1 Description**

3 Section 2-01.1 is supplemented with the following:

4
5 (*****)

6 Of the trees marked clearing on this project, twenty-seven (27) trees meeting the following
7 requirements shall remain on-site for habitat features or vehicle boundary demarcation:

8
9 Habitat Log Boles

10 Twelve (12) Douglas fir or western red cedar trees larger than 16-inch diameter at breast
11 height (DBH) shall be removed with 5-ft diameter root balls attached with 20-ft stem length
12 (minimum) to create Habitat Log Boles. Habitat Log Boles shall be placed within the
13 Shoreline Buffer generally depicted in the Contract Plans, as directed by the Engineer.

14
15 Logs For Vehicle Boundary Demarcation (Logs)

16 Fifteen (15) Logs (20-ft long and 12-inch diameter at the small end) shall be cut from conifer
17 trees marked for clearing on this project. Three (3) Logs shall be placed near the Access
18 Control Gate just inside the property boundary and the remaining twelve (12) Logs shall be
19 placed just outside the proposed parking area for vehicle boundary demarcation, as
20 depicted in the Contract Plans. All 20-ft long log sections shall be elevated 8-inches
21 minimum from the ground surface by a notched 4-ft log section (perpendicular to the 20-ft
22 log) and secured with a 3/4-inch steel pins (smooth steel or rebar) at each end.

23
24 **2-01.5 Payment**

25 Section 2-01.5 is supplemented with the following:

26
27 (*****)

28 “Clearing and Grubbing” per lump sum shall include all costs to salvage log boles, harvest Logs for
29 boundary demarcation, placing Log/Log Boles, notching/securing logs with steel pins, and any other
30 work necessary to complete the final placement of twelve Logs Boles and fifteen Logs for vehicle
31 boundary demarcation as depicted in the Contract Plans and described in these Special Provisions.
32

33 **2-03, ROADWAY EXCAVATION AND EMBANKMENT**

34 (*****)

35 **2-03.1 Description**

36 Section 2-03.1 is supplemented with the following:

37
38 Work described in this section shall include all excavation required for this project including
39 excavation for the walking trail, precast concrete vault toilet building, precast concrete gravity block
40 retaining wall, an oil/water separator, log stringer foot bridge, and infiltration pond with all items
41 excavated to the line/grade as indicated in the Contract Plans.
42

43 (*****)

44 **2-03.3 Construction Requirements**

45
46 **2-03.3(7) Disposal of Surplus Material**

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

48
49 No waste site has been provided to the Contractor for the disposal of unsuitable and excess
50 excavation material. The Contractor shall make his own arrangement to acquire a site for the
51 disposal of unsuitable and excess excavation material.

1
2 The Contractor shall make his own arrangements to acquire a site and obtain all environmental
3 permits required for the disposal of the unsuitable excavation material. The Contracting Agency
4 must approve the waste site prior to it being utilized. Approval cannot be given until the
5 Contracting Agency receives copies of all environmental approvals.

6
7 All costs for acquiring a disposal site and for the loading, hauling, and disposal of unsuitable
8 and excess excavation material shall be considered incidental to the project and be included in
9 the unit contract prices for the various items of work therein.

10
11 **2-03.3(14)M Excavation of Channels and Ditches**

12 Section 2-03.3(14)M is supplemented with the following:

13
14 The Contractor shall protect existing vegetation and channel slopes outside the trail and
15 drainage ditch areas. All excavation and construction activities shall be conducted within the
16 cut limits of the project staked by the Engineer, access roads through areas not designated for
17 clearing shall not be permitted.

18
19 **2-03.4 Measurement**

20 Section 2-03.4 is supplemented with the following:

21
22 (March 13, 1995)

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

28
29 Earthwork quantities will be computed, either manually or by means of electronic data
30 processing equipment, by use of the average end area method or by the finite element analysis
31 method utilizing digital terrain modeling techniques.

32
33 Copies of the ground cross-section notes will be available for the bidder's inspection, before the
34 opening of bids, at the County Engineer's office.

35
36 Upon award of the contract, copies of the original ground cross-sections will be furnished to the
37 successful bidder on request to the Project Engineer.

38
39 (*****)

40 The "Roadway Excavation Incl. Haul" bid item shall include the removal and disposal of all
41 excavation material associated with this project. Roadway Excavation quantities will be
42 measured and paid in accordance with the requirements of Sections 2-03.4 and 2-03.5.
43 Roadway Excavation Incl. Haul shall include unsuitable material within 2-feet of the planned
44 subgrade surface (if existing foundation/subgrade material is determined to be unsuitable by the
45 Engineer). Additional unsuitable material shall be field measured, as directed by the Engineer,
46 and disposed of by the Contractor.

47
48
49 **DIVISION 3**
50 **PRODUCTION FROM QUARRY AND PIT SITES AND STOCKPILING**

51
52 **3-01, PRODUCTION FROM QUARRY AND PIT SITES**

1 **3-01.4 Contractor Furnished Material Sources**

2
3 **3-01.4(1) Acquisition and Development**

4 Section 3-01.4(1) is supplemented with the following:

5
6 **(*****)**

7 No source has been provided for any materials necessary for the construction of this project.

8
9
10 **DIVISION 6**
11 **STRUCTURES**

12
13 **6-04, TIMBER STRUCTURES**

14 **6-04.1 Description**

15 Section 6-04.1 is supplemented with the following:

16
17 **(*****)**

18 This Work shall include construction of a Log Stringer Walk Bridge (35-feet long) with wood railing
19 (that extends 5-feet beyond the bridge ends), wood decking, and installation of an ecology block
20 foundation with quarry spalls as depicted in the Contract Plans. No source has been provided for
21 any materials necessary for the construction of this item. All dimensional lumber shall be pressure-
22 treated.

23
24 **6-04.3 Construction Requirements**

25 **6-04.3(12) Stringers**

26 Section 6-04.3(12) is supplemented with the following:

27
28 **(*****)**

29 Log Stringers shall be peeled 19-inch diameter Douglas fir logs 35-feet long and free of
30 decay. Log Stringers may be notched no more than 3-inches for leveling at the abutments.
31 Wood railing shall extend 5-feet beyond the bridge ends at a 30-degree flare.

32
33 **6-04.4 Measurement**

34 Section 6-04.4 is replaced with the following:

35
36 **(*****)**

37 “Log Stringer Foot Bridge” shall be measured per Lump Sum.

38
39 **6-04.5 Payment**

40 Section 6-04.5 is replaced with the following:

41
42 **(*****)**

43 “Log Stringer Foot Bridge” per Lump Sum. The unit Contract lump sum price for Log Stringer Foot
44 Bridge” shall be full pay for furnishing all labor, tools, equipment, and materials required to construct
45 the foot bridge (with ecology block foundation and quarry spalls) as depicted in the Contract Plans
46 and described in these Special Provisions.

1
2
3
4

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

5 **7-05, MANHOLES, INLETS, CATCH BASINS, AND DRYWELLS**

6 **7-05.2 Materials**

7 Section 7-05.2 is supplemented with the following:

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

10 The Oil/Water Separator shall meet the material and construction requirements of Oldcastle
11 Infastructure® DVS-48S Dual-Vortex Separator Square Structure
12 (www.oldcastleinfastructure.com/stormwater) as described/depicted in Appendix D. Alternate
13 products may be submitted for LC County review after Contract Award. Alternate products must
14 meet DVS-48S material and construction requirements including all removal capacities for
15 petroleum products, sediment, debris and floating trash.

16
17 The Precast Concrete Double Vault Toilet shall meet the material and construction requirements of
18 CXT Precast Products ADA Accessible Double Cascadian with Chase (www.cxtinc.com) Concrete
19 Vault Restroom--liberty tan board and batt upper walls, horizontal lap lower walls with cedar shake
20 roof, as described/depicted in Appendix D. Alternate products may be submitted for LC County
21 review after Contract Award. Alternate products must meet all material, construction, loading
22 capacity (snow, wind, and vault size), exterior finish and other specifications for a CXT Precast
23 Products ADA Accessible Double Cascadian with Chase Vault Restroom.

24
25 **7-05.3 Construction Requirements**

26 Section 7-05.3 is supplemented with the following:

27
28 **(*****)**

29 This Work shall include construction of a Precast Concrete Double Vault Toilet and an Oil/Water
30 Separator in accordance with the Plans and these Specifications. The Precast Concrete Double
31 Vault Toilet shall be considered a manhole as described in this section. The Oil/Water Separator
32 shall be considered a catch basin as described in this section.

33
34 **7-05.4 Measurement**

35 Section 7-05.4 is supplemented with the following:

36
37 **(*****)**

38 "Oil/Water Separator" shall be measured per Lump Sum.

39
40 "Precast Concrete Double Vault Toilet" shall be measured per Lump Sum.

41
42 **7-05.5 Payment**

43 Section 7-05.5 is supplemented with the following:

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

46 "Oil/Water Separator" per Lump Sum. The unit Contract lump sum price for "Oil/Water Separator"
47 shall be full pay for furnishing all labor, tools, equipment, and materials (including grout, bolted &
48 gasketed access cover, risers, and internal components) required to complete this item as depicted
49 in the Contract Plans, depicted/described in Appendix D and described in these Special Provisions.

1 “Precast Concrete Double Vault Toilet” shall be measured per Lump Sum. The unit Contract lump
2 sum price for “Precast Concrete Double Vault Toilet” shall be full pay for furnishing all labor, tools,
3 equipment, and materials (ADA accessible structure with internal/external components) required to
4 complete this item as depicted in the Contract Plans, depicted/described in Appendix D and
5 described in these Special Provisions.
6

7
8 **DIVISION 8**
9 **MISCELLANEOUS CONSTRUCTION**
10

11 **8-01, EROSION CONTROL AND WATER POLLUTION CONTROL**

12 **8-01.3(1)B Erosion and Sediment Control (ESC) Lead**

13 (*****)

14 Section 8-01.3(1)B is supplemented with the following:

15
16 The Contractor shall retain the following permit documentation (plans and records) on site,
17 or within reasonable access to the site, for use by the operator; or on-site review by the
18 Department of Ecology or the local jurisdiction:
19

- 20 a. Site Log Book
21

22 A Certified ESC Lead shall be identified for the project and shall be present on-site or on-
23 call at all times.
24

25 Site inspections shall include all areas disturbed by construction activities, all BMP’s, and
26 all stormwater discharge points. Stormwater shall be visually examined for the presence
27 of suspended sediment, turbidity, discoloration, and oil sheen. The Certified ESC Lead
28 shall evaluate the effectiveness of BMP’s and determine if it is necessary to install,
29 maintain, or repair BMP’s to improve the quality of the stormwater discharges. If such
30 corrections are necessary, the Contractor shall implement the following procedure:
31

- 32 a. Fully implement and maintain appropriate source control and/or treatment
33 BMP’s as soon as possible, but no later than 10 days of the inspection;
34 b. Document BMP implementation and maintenance in the site log book.
35

36 The Certified ESC Lead shall summarize the results of each inspection in an inspection
37 report or checklist. This report or checklist shall be entered into, or attached to, the site log
38 book. At a minimum, each inspection report or checklist shall include:
39

- 40 a. Inspection date and time;
41 b. Weather information; general conditions during inspection and approximate
42 amount of precipitation since the last inspection, and within the last 24 hours.
43 c. A summary of all BMP’s which have been implemented, including
44 observations of all erosion/sediment control structures or practices;
45 d. The following shall be noted:
46 i. Locations of BMP’s inspected;
47 ii. Locations of BMP’s that need maintenance;
48 iii. The reason maintenance is needed;
49 iv. Locations of BMP’s that failed to operate as designed or intended;
50 v. Locations where additional or different BMP’s are needed, and the
51 reasons why;

- e. A description of stormwater discharged from the site. The certified ESC Lead shall note the presence of suspended sediment, turbid water, discoloration, and/or oil sheen, as applicable;
- f. Any water quality monitoring performed during inspection;
- g. A statement that, in the judgement of the certified ESC Lead conducting the site inspection, the site is either in compliance or out of compliance with the terms and conditions of the permits in place. If the site inspection indicates that the site is out of compliance, the inspection report shall include a summary of the remedial actions required to bring the site back into compliance, as well as a schedule of Lead conducting the site inspection; and the following statement: "I certify that this report is true, accurate, and complete, to the best of my knowledge and belief".

The Contractor through the Certified ESC Lead will be responsible for conducting all stormwater sampling and monitoring required by Ecology. The Certified ESC Lead shall be responsible for the preparation of a monthly discharge monitoring report (DMR) to the Contracting Agency that will be forwarded to Department of Ecology. Prior to the beginning of construction the Certified ESC Lead, Project Inspector and Environmental Planner shall meet in the field to stake any monitoring points, as depicted on the TESC plans, as well as, associated points as which to collect background readings, if necessary. The Certified ESC Lead shall be responsible for the preparation of a monthly discharge monitoring report (DMR) and submission of these reports to Lewis County by the 5th day of the subsequent month. Lewis County will then enter this information into WebDMR and submit to Department of Ecology. The Contractor shall follow the instructions contained in the most recent version of the Department of Ecology's Publications - No. 99-37, and No. 06-10-020 in meeting these requirements.

(*****)

The weekly/storm event Stormwater Site inspection form shall be turned in by the end of the next working day. Failure to submit accurate completed weekly forms or DMR forms as required to the Engineer may result in project shutdown as determined by the Engineer, which includes loss of workday.

8-02 ROADSIDE RESTORATION

8-02.1 Description

Section 8-02.1 is supplemented with the following:

(*****)

The work described in this section, regardless of the nature or type of the materials encountered, includes supplying plant material, planting, installing plant protectors, installing weed barrier mats (at tree and shrub locations in Zone 2) and installing identification stakes as shown in the Contract Plans, marked in the field, and as directed by the Engineer. This work shall be accomplished in accordance with all environmental permits regulating the work.

8-02.3 Construction Requirements

8-02.3(9)C Seeding with Fertilizers and Mulches

Section 8-02.3(9)C is supplemented with the following:

Seed Mix - Roadside: Grass seed, of the following composition, proportion, and quality shall be applied at the rate of ***80 *** pounds of pure live seed per acre on all areas requiring permanent roadside seeding within the project limits.

Kind and Variety of Seed in Mixture by Common Name and <u>(Botanical name)</u>	Pounds Pure Live Seed (PLS) Per Acre
Deschampsia elongata Slender Hairgrass	5.88
<i>Elymus glaucus</i> Blue Wildrye	39
Festuca idahonesis Idaho Fescue	12.74
<i>Festuca ovina</i> Sheep Fescue	4.21
<i>Hordeum brachyantherum</i> Meadow Barley	16.86
<i>Koeler cristata</i> Prairie Junegrass	1.31
Total Pounds PLS Per Acre	80

Seed Mix - Riparian: Grass seed, of the following composition, proportion, and quality shall be applied at the rate of ***21.76 *** pounds of pure live seed per acre within the riparian hydroseed zone.

Kind and Variety of Seed in Mixture by Common Name and <u>(Botanical name)</u>	Pounds Pure Live Seed (PLS)
<i>Pseudotsuga menziesii</i> Douglas Fir	8.71
<i>Abies grandis</i> Grand Fir	5.44
<i>Mahonia nervosa</i> Oregon Grape	3.27
<i>Oemeria cerasiformis</i> Indian Plum	2.39
<i>Sambucus nigra</i> Blue Elderberry	1.31

1		
2	<i>Thuja plicata</i>	0.54
3	Western Red Cedar	
4		
5	<i>Holodiscus discolor</i>	0.05
6	Oceanspray	
7		
8	<i>Gaultheria shallon</i>	0.05
9	Salal	
10		
11	Total Pounds PLS Per Acre	21.76

12
13 After seeding the Contractor shall be responsible to ensure a healthy stand of grass, otherwise,
14 the Contractor shall, restore eroded areas, clean up materials, and reapply the seed, at no cost
15 to the Contracting Agency.

16
17 Seeds shall be certified “Weed Free,” indicating there are no noxious or nuisance weeds in the
18 seed.

19
20 **8-02.3(6) Mulch and Amendments**

21 (*****)

22 Section 8-02.3(6) is supplemented with the following:

23
24 Long-Term Wood Cellulose Fiber mulch shall be applied at a rate of 4,000 pounds per acre with
25 all permanent “Roadside” seed mix and shall be applied at a rate of 8,000 pounds per acre with
26 all permanent “Riparian” seed mix. Mulch shall conform to Section 9-14.4(2)A Long-Term Mulch
27 of the Standard Specifications. No more than 2,000 pounds shall be applied in any single lift.

28
29 Tackifiers with mulch tracer shall be applied per the manufacturer’s recommendation. PAM
30 shall be added to seed mixes at the time of hydraulic application. Application rates and methods
31 shall conform to Section 8-01.3(2)E of the Standard Specifications.

32
33 **8-02.3(8)B Plant Installation**

34 (*****)

35 Section 8-02.3(8) is supplemented with the following:

36 **MITIGATION PLANTING CONSTRUCTION**

37
38 The Contractor shall grade, plant, and otherwise construct mitigated planting areas as shown in
39 the Contract Plans, marked in the field, and required by the Engineer. The planting of the
40 enhancement sites shall be performed by a biologist, horticulturist, landscape architect or other
41 similar professional. The credentials of the supervisor of this work shall be approved by the
42 Engineer prior to beginning work on this item.

43 **Planting Zones**

44 Planting zones shall be as follows:

45

Planting Zone	Scientific Name	Common Name	Type	Size of Plants (Material)	Planting Density (Spacing)	Monitoring Stake Marking Color	Number of Plants
Zone A Riparian Mix 1	<i>Thuja plicata</i>	Western Red Cedar	T	2 gallon container	10' on center	Green	9
	<i>Acer macrophyllum</i>	Big-leaf Maple	T	2 gallon container	10' on center	Orange	18
	<i>Alnus rubra</i>	Red Alder	T	2 gallon container	10' on center	Red	18
	<i>Populus balsamifera</i>	Black Cottonwood	T	2 gallon container	10' on center	Black	13

8,958 sq ft	<i>Pseudotsuga menziesii</i>	Douglas Fir	T	2 gallon container	10' on center	Yellow	31
	<i>Acer circinatum</i>	Vine Maple	S	1 gallon container	5' on center	Green with black stripe	105
	<i>Rubus parviflorus</i>	Thimbleberry	S	1 gallon container	5' on center	Yellow with black stripe	105
	<i>Gaultheria shallon</i>	Salal	S	1 gallon container	5' on center	Red with black stripe	27
	<i>Oemleria cerasiformis</i>	Indian plum	S	1 gallon container	5' on center	Blue with black stripe	104
Zone B Conifer Mix 3,175 sq ft	<i>Pseudotsuga menziesii</i>	Douglas fir	T	5 gallon container	18' on center	Yellow	6
	<i>Thuja plicata</i>	Western Red Cedar	T	5 gallon container	18' on center	Green	2
	<i>Abies grandis</i>	Grand Fir	T	5 gallon container	18' on center	Purple	2
Zone C Riparian Mix 2 1,720 sq ft	<i>Acer macrophyllum</i>	Big-leaf Maple	T	2 gallon container	15' on center	Orange	2
	<i>Alnus rubra</i>	Red Alder	T	2 gallon container	15' on center	Red	3
	<i>Populus balsamifera</i>	Black Cottonwood	T	2 gallon container	15' on center	Black	1
	<i>Pseudotsuga menziesii</i>	Douglas Fir	T	2 gallon container	15' on center	Yellow	1
	<i>Symphoricarpos albus</i>	Snowberry	S	1 gallon container	8' on center	White with black stripe	16
	<i>Acer circinatum</i>	Vine Maple	S	1 gallon container	8' on center	Green with black stripe	7
	<i>Rubus parviflorus</i>	Thimbleberry	S	1 gallon container	8' on center	Yellow with black stripe	4

8-02.3(13) Plant Establishment

(*****)

Section 8-02.3(13) is replaced with the following:

The Contractor shall provide a one-year plant guarantee period from the date of final acceptance, in accordance with performance standards of local, state and federal permits. At the end of the one-year guarantee period, all dead and unacceptable plant materials shall be replaced by the Contractor at the Contractor's expense. The Contractor shall provide maintenance and monitoring efforts during the guarantee period.

All shrubs and trees in Zones A, B, and C shall be marked with a monitoring stake and include a biodegradable 3-foot square (or diameter) weed control mat. Weed control mats shall be Kraft Paper Square Mulch Mat, Vispore Tree Mat, Tree Square Mat, DeWitt Tree Mat Circle, or an equivalent weed control mat approved by the Engineer. Monitoring stakes shall be installed to a depth of 18 inches. Monitoring stakes shall be three to four feet above grade. The top six inches of the monitoring stakes shall be painted and color coded to species, to aid in identification of dead and/or missing species.

(*****)

Plant Protectors shall be placed around all tree and shrub species to be planted with the exception of *willow stakes*, *snowberry* and *thimbleberry*. Plant protectors shall be made of solid flexible plastic and should be held in place with bamboo or wood stakes. Plant protectors shall be installed to a depth of three inches below the soil surface and extend nine to twelve inches above the surface. Stakes should extend a minimum two inches below and minimum two inches above the plant protector and be placed 2 to 3 inches away from the plant. Plant protectors shall be secured to stakes with a minimum of two zip ties or equivalent.

8-02.3(14) Plant Replacement

(*****)

8-02.03(14) is supplemented with the following:

1 Monitoring stakes will be installed to a depth of 18 inches. Monitoring stakes should be three
2 feet above grade. The top six inches of the monitoring stakes shall be painted, with
3 permanent paint (anticipated to last a period of 5 years) using the table provided above, to aid
4 in identification of dead and/or missing species.

5 6 **8-02.4 Measurement**

7 Section 8-02.4 is supplemented with the following:

8
9 (*****)

10 “Mitigation Planting”, no specific unit of measure will apply to this lump sum item. Items specified
11 are approximate and are provided for estimating purposes only. The successful Contractor shall
12 provide the Contracting Agency a lump sum breakdown of all items after bid award.

13 14 **8-02.5 Payment**

15 Section 8-02.5 is supplemented with the following:

16
17 “Mitigation Planting” per lump sum.

18 The unit contract price per Lump Sum for “Mitigation Planting” shall be full compensation for
19 furnishing and installing all plants, live stakes, monitoring stakes, weed control mats, and plant
20 protectors - as described in Special Provision Permits on the project site and all other applicable
21 requirements and regulations. Material descriptions and construction requirements are as
22 described in this Special Provisions. The long term monitoring and maintenance (after one-year
23 plant guarantee period) shall be completed by others.

24
25 “Seeding and Mulching” per acre.

26 The unit contract price per acre for “Seeding and Mulching” shall be full pay for furnishing and
27 installing the specified seed mix, mulch, and PAM, chemical weed and grass control/removal
28 immediately prior to seeding to produce the specified surface conditions, scarification of
29 compacted areas, minor filling of ruts, and all material and equipment necessary and incidental
30 to the approved application of the specified seed.

31 32 33 **8-12 CHAIN LINK AND WIRE FENCE**

34 **8-12.1 Description**

35 Section 8-12.1 is supplemented with the following:

36
37 (*****)

38 The “Access Control Gate” shall be fabricated and constructed per the State of Alaska Department
39 of Natural Resources Double Gate plans attached in Appendix D. All exposed metal surfaces shall
40 be shop powder coated (white exterior color) in accordance with Section 6-07.3(11). All gate
41 components, posts, stiles, rails, keeper posts shall be installed plumb and true to produce a level
42 swing path for each side of the gate and a smooth latch connection when closed and when
43 attached to keeper posts.

44 45 **8-12.2 Materials**

46 Section 8-12.2 is supplemented with the following:

47
48 (*****)

49 “Access Control Gate” materials shall be per the State of Alaska Department of Natural Resources
50 Double Gate plans attached in Appendix D. All exposed metal surfaces shall be shop powder coated
51 (white exterior color) in accordance with Section 6-07.3(11).

1 **8-12.3(2)E Access Control Gate**

2 Section 8-12.3(2)E is replaced with the following:

3
4 (*****)

5 “Access Control Gate” shall be placed as per the Contract Plans and per the State of Alaska
6 Department of Natural Resources Double Gate plans attached in Appendix D. Steel gate posts
7 and keeper posts shall be set in concrete.

8
9 **8-12.4 Measurement**

10 Section 8-12.4 is supplemented with the following:

11
12 (*****)

13 “Access Control Gate” shall be measured per Each.

14
15 **8-12.5 Payment**

16 Section 8-12.5 is supplemented with the following:

17
18 (*****)

19 “Access Control Gate”, per Each shall be full payment for supplying, fabricating, delivering, and
20 constructing all gate components, posts, stiles, rails, diagonal braces, keeper pins and keeper posts
21 including all labor, equipment, and other materials needed to completely install the dual swing entry
22 gate as specified.

23
24
25 **8-21 PERMANENT SIGNING**

26 **8-21.1 Description**

27 Section 8-21.1 is supplemented with the following:

28
29 (*****)

30 **NESTING BOXES**

31 This Work shall include installation of Agency supplied bird nesting boxes at various locations along
32 the gravel walking trail. Nesting boxes shall be mounted to existing trees near the gravel walking
33 trail at various heights.

34
35 **INTERPRETATIVE AND INFORMATION SIGNS**

36 This Work shall include installation of Agency supplied signs at various locations along the proposed
37 road, parking area, walking trail, and parcel boundary. Agency supplied signs shall be mounted on
38 Contractor supplied and installed posts (wood or metal as specified in the Contract Plans). Agency
39 supplied interpretive signs shall be installed on Contractor supplied and constructed Interpretive Sign
40 base or Kiosk--see Appendix D for Interpretive Sign (Type C) and Kiosk (Type A).

41
42 **8-21.2 Materials**

43 Section 8-21.2 is supplemented with the following:

44
45 (*****)

46 Sign posts designated as “wood” shall be considered a timber sign post and shall meet the
47 requirements of Section 8-21.3(9)C and 9-28.14(1). Fifteen (15) wood sign posts shall be required
48 for this project

49
50 Sign posts designated as “metal” shall be considered a steel sign post and shall meet the
51 requirements of Section 8-21.3(12) and 9-28.14(2). Five (5) metal sign posts shall be required for

1 this project. Metal sign posts at the entry gate shall be attached to keeper posts via fabricated inserts
2 into the top of the keeper post or other approved attachment method.

3
4 Interpretive Signs shall be installed on Contractor supplied and constructed Interpretive Sign base
5 and Kiosk--see Appendix D for the Interpretive Sign (Type C) and Kiosk (Type A). Two (2)
6 Interpretive Sign bases and one (1) Kiosk shall be required shall be required for this project.

8-21.3 Construction Requirements

9 Section 8-21.3 is supplemented with the following:

10
11 (*****)

12 INFORMATION SIGNS

13 The work shall include installation of Agency supplied signs on Contractor supplied and constructed
14 metal or wood posts. All sign mounting hardware shall be supplied and constructed by the
15 Contractor.

16 17 INTERPRETIVE SIGNS

18 The work shall include installation of Agency supplied interpretive signs on Contractor supplied and
19 constructed Interpretive Sign Base Type C or Kiosk Type A (see Appendix D). All base/kiosk
20 material, labor, equipment, and construction, of interpretive sign bases and all mounting hardware
21 shall be provided by the Contractor.

22 23 NESTING BOXES

24 The work shall consist of mounting Agency supplied nesting boxes to existing trees with two (2)
25 galvanized lag screws (5/16-inch diameter by 6-inch long) with fender washers at the given
26 heights, coordinates and opening direction as specified for the three respective bird species –
27 Wood Duck, Hairy Woodpecker, and Violet-Green Swallow – as they correspond to the numbered
28 list provided. No nesting boxes shall be mounted with the entrance hole facing Skate Creek Road
29 South. Nesting boxes shall be spaced a minimum 30 feet from any adjacent nesting boxes.

30 31 *Wood Duck*

32 Wood Duck nesting boxes shall be installed at a height of no less than 7 feet and no greater
33 than 10 feet from the base of the mounting tree.

34 35 *Hairy Woodpecker*

36 Hairy Woodpecker nesting boxes shall be installed at a height of no less than 12 feet and
37 no greater than 15 feet from the base of the mounting tree.

38 39 *Violet-Green Swallow*

40 Violet-Green Swallow nesting boxes shall be installed at a height of no less than 9 feet and
41 no greater than 12 feet from the base of the mounting tree.

42 43 NESTING BOX INSTALLATION SCHEDULE

ID	Species	Direction	Latitude	Longitude	Box Size (Ft) ~Weight (lbs)_
1	Wood Duck	NNE	46.612236	-121.678355	2.5x1x1 / 15#
2	Wood Duck	NNE	46.612301	-121.678069	2.5x1x1 / 15#
3	Wood Duck	NNE	46.612403	-121.677592	2.5x1x1 / 15#
4	Wood Duck	NW	46.612407	-121.676943	2.5x1x1 / 15#
5	Wood Duck	N	46.612521	-121.676589	2.5x1x1 / 15#
6	Hairy Woodpecker	SW	46.612375	-121.677176	2x0.6x0.6 / 7#
7	Hairy Woodpecker	E	46.612045	-121.678028	2x0.6x0.6 / 7#
8	Hairy Woodpecker	NW	46.611943	-121.677318	2x0.6x0.6 / 7#

9	Violet-Green Swallow	SE	46.612198	-121.678087	1x0.6x0.4 / 5#
10	Violet-Green Swallow	SE	46.612262	-121.677643	1x0.6x0.4 / 5#
11	Violet-Green Swallow	SSE	46.612317	-121.676746	1x0.6x0.4 / 5#
12	Violet-Green Swallow	SE	46.612224	-121.676884	1x0.6x0.4 / 5#
13	Violet-Green Swallow	SSE	46.612184	-121.676981	1x0.6x0.4 / 5#
14	Violet-Green Swallow	NNE	46.612049	-121.677149	1x0.6x0.4 / 5#
15	Violet-Green Swallow	NNE	46.612038	-121.677304	1x0.6x0.4 / 5#
16	Violet-Green Swallow	NE	46.611960	- 121.677547	1x0.6x0.4 / 5#
17	Violet-Green Swallow	ESE	46.612125	- 121.677627	1x0.6x0.4 / 5#
18	Violet-Green Swallow	NE	46.612094	- 121.677883	1x0.6x0.4 / 5#

1
2 **8-21.4 Measurement**

3 Section 8-21.4 is supplemented with the following:

4
5 (*****)

6 “Permanent Signing”, no specific unit of measure will apply to this lump sum item.

7
8 “Nesting Box”, per Each.

9
10 **8-21.5 Payment**

11 Section 8-21.5 is supplemented with the following:

12
13 (*****)

14 “Permanent Signing” per lump sum.

15 The unit contract price per Lump Sum for “Permanent Signing” shall be full compensation for
16 installing Agency supplied signs on Contractor supplied and constructed posts or constructed bases
17 (as described in these Special Provisions) including all materials, labor, and equipment necessary
18 to complete construction as depicted in the Contract Plans and as described in these Special
19 Provisions.

20
21
22 “Nesting Box Installation”, per Each shall be full compensation for installation of Agency supplied
23 nesting boxes including all labor, equipment and incidental material (mounting lag screws, etc.) to
24 completely install boxes at the required heights, locations and spacing as specified.

25
26
27 **8-24, ROCK AND GRAVITY BLOCK WALL AND GABION CRIBBING**

28 **8-24.3 Construction Requirements**

29 (*****)

30 Section 8-24.3 is supplemented with the following:

1 Gravity Block Wall shall be Redi-Rock® or Stone-Terra® gravity block wall systems with
2 architectural brown tone finish (or an approved equivalent gravity block wall system) designed to
3 meet the proposed site conditions including an 8-foot exposed wall height, pedestrian fence at the
4 top, and a structure (vault toilet) adjacent to the wall. Alternate wall systems may be submitted
5 after project award for review by the Engineer.

6
7 A Type 4 Chain Link Fence shall be constructed per WSDOT Plan Reference No. FS-1.1 (attached
8 in Appendix D) at the top of and along the entire length of the Gravity Block Wall. The concrete
9 post base depicted in WSDOT Plan Reference No. FS-1.1 may be substituted with a plate and
10 anchor bolts into the Gravity Block Wall, per the wall manufacturer's recommendation. The Type 4
11 Chain Link Fence shall include a 4-ft wide lockable access gate at the back side of the Precast
12 Concrete Double Vault Toilet for pump truck access to the vault cleanout hatch, exact location to
13 be determined after final placement of the structure.

14 15 16 **8-24.4 Measurement**

17 (*****)

18 Section 8-24.4 is replaced with the following:

19
20 "Gravity Block Wall" shall be measured by the square foot of completed vertical wall in place. The
21 bottom limits for vertical measurement shall be the bottom of the precast concrete blocks. The top
22 limit for vertical measurement shall be the top of the wall as shown on the Contract Plans. The
23 horizontal limits for measurement shall be from the end of the wall to the end of the wall.

24
25 Type 4 Chain Link Fence, 4-ft wide chain link access gate, end/corner posts, etc. at the top of the
26 wall shall not be measured and shall be considered incidental to and included in the "Gravity Block
27 Wall" bid item.

28
29 "Gravel Borrow for Structural Earth Wall Incl. Haul", shall be measured per cubic yard for material
30 compacted and incorporated into the project as depicted in the Contract Plans. Measurements for
31 this bid item shall be determined by computer aided drafting software based on planned excavation
32 limits for the Gravity Block Wall and Precast Concrete Double Vault Toilet. The Contractor shall be
33 responsible for supplying, hauling and compaction of replacement material due to excavation
34 beyond the plan limits for the Gravity Block Wall and Precast Concrete Double Vault Toilet.

35 36 **8-24.5 Payment**

37 (*****)

38 Section 8-24..5 paragraph three is replaced with the following:

39
40 "Gravity Block Wall" per square foot of completed wall shall be full payment for all material, labor
41 and equipment necessary to complete the wall as depicted in the Contract Plans and described in
42 the Special Provisions.

43
44 All material, tools, labor and equipment necessary to complete the Type 4 Chain Link Fence at the
45 top of the wall (including all end/corner brace posts, a 4-ft wide chain link access gate, attachment
46 to the wall, and all other required chain link fence items) shall be considered incidental to and
47 included in the "Gravity Block Wall" bid item.

48
49 "Gravel Borrow for Structural Earth Wall Incl. Haul", per cubic yard shall be full payment for all
50 material, labor and equipment necessary to supply, haul, place and compact this material as depicted
51 in the Contract Plans and described in the Special Provisions

1 **POWER EQUIPMENT**

2 (*****)

3 The successful bidder will be required to furnish the County a list of all equipment that they
4 anticipate utilizing on this project.

5
6 The bidder's attention is directed to the attached Power Equipment Form, which the successful
7 bidder will be required to complete and return with the contract documents. This information will
8 enable hourly rental rates to be computed by the County, utilizing the "Rental Rate Blue Book for
9 Construction Equipment". No payment for any force account work will be allowed until this form
10 has been returned and accepted by the County.
11

12 **E-VERIFY**

13 (*****)

14 "Effective June 21st, 2010, all contracts with a value of ≥ \$100,000 shall require that the awarded
15 contractor register with the Department of Homeland Security E-Verify program. Contractors shall
16 have sixty days after the execution of the contract to register and enter into a Memorandum of
17 Understanding (MOU) with the Department of Homeland Security (DHS) E-Verify program. After
18 completing the MOU the contractor shall have an additional sixty days to provide a written record on
19 the authorized employment status of their employees and those of any sub-contractor(s) currently
20 assigned to the contract. Employees hired during the execution of the contract and after submission
21 of the initial verification will be verified to the county within 30 days of hire, as reported from the E-
22 Verify program. The contractor will continue to update the County on all corrective actions required
23 and changes made during the performance of the contract."
24

25 **BOND**

26 (*****)

27 The Bidder's special attention is directed to the attached bond form, which the successful bidder
28 will be required to execute and furnish the County. **NO OTHER BOND FORMS WILL BE**
29 **ACCEPTED.** The bond shall be for the full amount of the contract.
30

31 **LEWIS COUNTY ESTIMATES AND PAYMENT POLICY**

32 (*****)

33 On or before the 5th day of each calendar month during the term of this contract, the Contracting
34 Agency shall prepare monthly Progress Payments for work completed and material furnished. If
35 the Contractor agrees, the Contractor will approve the Progress Payment and return the estimate
36 to the Contracting Agency by the 15th day of that same calendar month. The Contracting Agency
37 shall prepare a voucher based upon the approved Progress Payment and payment based thereon
38 shall be due the Contractor near the 10th day of the next calendar month. Material Supply
39 contracts involving delivery of prefabricated material or stockpile material only (no physical work on
40 Contracting Agency property) may be reimbursed via Contractor generated invoices upon written
41 approval by the Engineer. Reimbursement by invoice shall not be subject to late charges listed on
42 the Contractor's standard invoice form.
43

44 When the Contractor reports the work is completed he/she shall then notify the Contracting
45 Agency. The Contracting Agency shall inspect the work and report any deficiencies to the
46 Contractor. When the Contracting Agency is satisfied the work has been completed in accordance
47 with all plans and specifications, the Contracting Agency shall then accept the work.

1
2 Upon completion of all work described in this Contract, the Contracting Agency shall prepare a
3 Final Progress Payment and Final Contract Voucher for approval by the Contractor and processing
4 for final payment. Release of the Contract Bond will be 60 days following Contracting Agency Final
5 Acceptance of Contract, provided the conditions of Section 1-03.4 and Section 1-07.2 of these
6 Special Provisions have been satisfied.
7

8 **APPENDICES**

9 (July 12, 1999)

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

11
12 ***** APPENDIX A:

13 Washington State Prevailing Wage Rates
14 Wage Rate Supplements
15 Wage Rate Benefit Code Key
16

17 APPENDIX B:

18 Bid Proposal Documents
19

20 APPENDIX C:

21 Contract Documents
22

23 APPENDIX D:

24 Oldcastle Infastructure® DVS-48S Dual Vortex Separator Specifications
25 CXT Precast Products Double Cascadian with Chase Specifications
26 State of Alaska Department of Natural Resources – Double Gate
27 State of Alaska Department of Natural Resources – Kiosk Type A
28 State of Alaska Department of Natural Resources – Interpretive Sign, Type C
29 Chain Link fence with Eye Bolts (WSDOT Plan Ref. No. FS-1.1)
30

31 APPENDIX E:

32 WSDOT Standard Plans
33 Contract Plans *****
34

1 (January 13, 2021)

2 **STANDARD PLANS**

3 The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-01,
4 effective September 30, 2020, is made a part of this contract.

5
6 The Standard Plans are revised as follows:

7
8 A-50.10
9 DELETED

10
11 A-50.20
12 DELETED

13
14 A-50.30
15 DELETED

16
17 A-50.40
18 DELETED

19
20 B-90.40
21 Valve Detail – DELETED

22
23 C-1a
24 DELETED

25
26 C-8
27 Add new Note 5, “5. Type 2 Barrier and Barrier Terminals are allowed in temporary installations
28 only. New Type 2 Barrier and Barrier Terminals are not allowed to be fabricated after December
29 31, 2019. The plan is provided as a means to verify that any Type 2 barrier and Barrier Terminals
30 fabricated prior to December 31, 2019 meets the plan requirements and cross-sectional
31 dimensions as specified in Standard Specifications 6-10.3(5).”

32
33 C-8a
34 Add new Note 2, “2. Type 4 Barrier and Barrier Transition are allowed in temporary installations
35 only. New Type 4 Barrier and Barrier Transition are not allowed to be fabricated after December
36 31, 2019. The plan is provided as a means to verify that any Type 4 barrier and Barrier Transition
37 fabricated prior to December 31, 2019 meets the plan requirements and cross-sectional
38 dimensions as specified in Standard Specifications 6-10.3(5).”

39
40 C-8b
41 DELETED

42
43 C-8e
44 DELETED

45
46 C-8f
47 DELETED

48
49 C-16a
50 DELETED

1 C-20.10

2 The following table is added:

SLOPE \ EMBANKMENT TABLE (FOR 8', 9', 11' LONG POSTS)		
POST LENGTH	SLOPE	W (FT)
8-FOOT	1H : 1V OR FLATTER	2.5 MIN.
8-FOOT	2H : 1V OR FLATTER	0 (FACE OF BARRIER AT SLOPE BREAK POINT)
9-FOOT	1.5H : 1V OR FLATTER	0 (FACE OF BARRIER AT SLOPE BREAK POINT)
11-FOOT	1H : 1V OR FLATTER	0 (FACE OF BARRIER AT SLOPE BREAK POINT)

3
4
5 C-20.11

6 DELETED

7
8 C-20.19

9 DELETED

10
11 C-40.16

12 DELETED

13
14 C-40.18

15 DELETED

16
17 C-80.50

18 DELETED

19
20 C-85.14

21 DELETED

22
23 C-85.15

24 SECTION B detail, the callout reading "ANCHOR BOLT (TYP.) ~ SEE DETAIL, STANDARD
25 PLAN C-8b", is revised to read "ANCHOR BOLT (TYP.) ~ SEE DETAIL IN PLANS".

26
27 SECTION B detail, the callout reading "ANCHOR PLATE (TYP.) ~ SEE STANDARD PLAN J-
28 8b", is revised to read "ANCHOR PLATE (TYP.) ~ SEE DETAIL IN PLANS".

29
30 D-2.14

31 DELETED

32
33 D-2.16

34 DELETED

35
36 D-2.18

37 DELETED

38
39 D-2.20

40 DELETED

1
2 D-2.42
3 DELETED

4
5 D-2.44
6 DELETED

7
8 D-2.46
9 DELETED

10
11 D-2.48
12 DELETED

13
14 D-2.82
15 DELETED

16
17 D-2.86
18 DELETED

19
20 D-10.10
21 Wall Type 1 may be used if no traffic barrier is attached on top of the wall. Walls with traffic
22 barriers attached on top of the wall are considered non-standard and shall be designed in
23 accordance with the current WSDOT Bridge Design Manual (BDM) and the revisions stated in
24 the 11/3/15 Bridge Design memorandum.

25
26 D-10.15
27 Wall Type 2 may be used if no traffic barrier is attached on top of the wall. Walls with traffic
28 barriers attached on top of the wall are considered non-standard and shall be designed in
29 accordance with the current WSDOT BDM and the revisions stated in the 11/3/15 Bridge Design
30 memorandum.

31
32 D-10.30
33 Wall Type 5 may be used in all cases.

34
35 D-10.35
36 Wall Type 6 may be used in all cases.

37
38 D-10.40
39 Wall Type 7 may be used if no traffic barrier is attached on top of the wall. Walls with traffic
40 barriers attached on top of the wall are considered non-standard and shall be designed in
41 accordance with the current WSDOT BDM and the revisions stated in the 11/3/15 Bridge Design
42 memorandum.

43
44 D-10.45
45 Wall Type 8 may be used if no traffic barrier is attached on top of the wall. Walls with traffic
46 barriers attached on top of the wall are considered non-standard and shall be designed in
47 accordance with the current WSDOT BDM and the revisions stated in the revisions stated in the
48 11/3/15 Bridge Design memorandum.

49
50 D-15.10
51 STD Plans D-15 series "Traffic Barrier Details for Reinforced Concrete Retaining Walls" are
52 withdrawn. Special designs in accordance with the current WSDOT BDM are required in place
53 of these STD Plans.

1
2 D-15.20

3 STD Plans D-15 series "Traffic Barrier Details for Reinforced Concrete Retaining Walls" are
4 withdrawn. Special designs in accordance with the current WSDOT BDM are required in place
5 of these STD Plans.

6
7 D-15.30

8 STD Plans D-15 series "Traffic Barrier Details for Reinforced Concrete Retaining Walls" are
9 withdrawn. Special designs in accordance with the current WSDOT BDM are required in place
10 of these STD Plans.

11
12 G-20.10

13 SIGN INSTALLATION BEHIND TRAFFIC BARRIER detail, dimension callout "3' MIN.", is
14 revised to read "5' MIN."

15
16 H-70.20

17 Sheet 2, Spacing Detail, Mailbox Support Type 1, reference to Standard Plan I-70.10 is revised
18 to H-70.10

19
20 H-70.30

21 DELETED

22
23 J-10.16

24 Key Note 14, reads:"Mounting Hole ~ See Standard Plan J-10.30 for mounting Details." Is
25 revised to read:"Mounting Hole ~ See Standard Plan J-10.14 for mounting Details."

26 General Note 12, reads: "See Standard Plan J-10.30 for pole installation details." Is revised to
27 read: "See Standard Plan J-10.14 for pole installation details."

28
29 J-10.17

30 Key Note 16, reads:"Mounting Hole ~ See Standard Plan J-10.?? for mounting Details." Is
31 revised to read:"Mounting Hole ~ See Standard Plan J-10.14 for mounting Details."

32 General Note 12, reads: "See Standard Plan J-10.30 for pole installation details." Is revised to
33 read: "See Standard Plan J-10.14 for pole installation details."

34
35 J-10.18

36 Key Note 12, reads:"Mounting Hole ~ See Standard Plan J-10.20 for mounting Details." Is
37 revised to read:"Mounting Hole ~ See Standard Plan J-10.14 for mounting Details."

38 General Note 12, reads: "See Standard Plan J-10.30 for pole installation details." Is revised to
39 read: "See Standard Plan J-10.14 for pole installation details."

40
41 J-20.26

42 Add Note 1, "1. One accessible pedestrian pushbutton station per pedestrian pushbutton post."

43
44 J-20.16

45 View A, callout, was – LOCK NIPPLE, is revised to read; CHASE NIPPLE

46
47 J-21.10

48 Sheet 1, Elevation View, Round Concrete Foundation Detail, callout – "ANCHOR BOLTS ~ □"
49 (IN) x 30" (IN) FULL THREAD ~ THREE REQ'D. PER ASSEMBLY" IS REVISED TO READ:
50 "ANCHOR BOLTS ~ □" (IN) x 30" (IN) FULL THREAD ~ FOUR REQ'D. PER ASSEMBLY"

51 Sheet 1 of 2, Elevation view (Round), add dimension depicting the distance from the top of the
52 foundation to find 2 #4 reinforcing bar shown, to read; 3" CLR.. Delete "(TYP.)" from the 2 □"

1 CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4 reinf.
2 Bar.

3 Sheet 1 of 2, Elevation view (Square), add dimension depicting the distance from the top of the
4 foundation to find 1 #4 reinforcing bar shown, to read; 3" CLR. Delete "(TYP.)" from the 2 □"
5 CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4 reinf.
6 Bar.

7 Sheet 2 of 2, Elevation view (Round), add dimension depicting the distance from the top of the
8 foundation to find 2 #4 reinforcing bar shown, to read; 3" CLR. Delete "(TYP.)" from the 2 □"
9 CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4 reinf.
10 Bar.

11 Sheet 2 of 2, Elevation view (Square), add dimension depicting the distance from the top of the
12 foundation to find 1 #4 reinforcing bar shown, to read; 3" CLR. Delete "(TYP.)" from the 2 □"
13 CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4 reinf.
14 Bar.

15 Detail F, callout, "Heavy Hex Clamping Bolt (TYP.) ~ 3/4" (IN) Diam. Torque Clamping Bolts
16 (see Note 3)" is revised to read; "Heavy Hex Clamping Bolt (TYP.) ~ 3/4" (IN) Diam. Torque
17 Clamping Bolts (see Note 1)"

18 Detail F, callout, "3/4" (IN) x 2' - 6" Anchor Bolt (TYP.) ~ Four Required (See Note 4)" is revised
19 to read; "3/4" (IN) x 2' - 6" Anchor Bolt (TYP.) ~ Three Required (See Note 2)"

20
21 J-21.15

22 Partial View, callout, was – LOCK NIPPLE ~ 1 □" DIAM., is revised to read; CHASE NIPPLE ~
23 1 □" (IN) DIAM.

24
25 J-21.16

26 Detail A, callout, was – LOCKNIPPLE, is revised to read; CHASE NIPPLE

27
28 J-22.15

29 Ramp Meter Signal Standard, elevation, dimension 4' - 6" is revised to read; 6'-0"
30 (2x) Detail A, callout, was – LOCK NIPPLE ~ 1 □" DIAM. is revised to read; CHASE NIPPLE ~
31 1 □" (IN) DIAM.

32
33 J-28.60

34 Note 1 "See Standard Plans C-8b and C-85.14 for foundation and anchor bolt details." is revised
35 to read "See contract for anchor bolt details. See Standard Plan C-85.15 for foundation details."

36
37 J-40.10

38 Sheet 2 of 2, Detail F, callout, "12 - 13 x 1 □" S.S. PENTA HEAD BOLT AND 12" S. S. FLAT
39 WASHER" is revised to read; "12 - 13 x 1 □" S.S. PENTA HEAD BOLT AND 1/2" (IN) S. S.
40 FLAT WASHER"

41
42 J-40.36

43 Note 1, second sentence; "Finish shall be # 2B for backbox and # 4 for the cover." Is revised to
44 read; "Finish shall be # 2B for barrier box and HRAP (Hot Rolled Annealed and Pickled) for the
45 cover.

46
47 J-40.37

48 Note 1, second sentence; "Finish shall be # 2B for backbox and # 4 for the cover." Is revised to
49 read; "Finish shall be # 2B for barrier box and HRAP (Hot Rolled Annealed and Pickled) for the
50 cover.

51
52 J-75.20

1 Key Notes, note 16, second bullet point, was: "1/2" (IN) x 0.45" (IN) Stainless Steel Bands", add
2 the following to the end of the note: "Alternate: Stainless steel cable with stainless steel ends,
3 nuts, bolts, and washers may be used in place of stainless steel bands and associated
4 hardware."

5
6 J-81.10

7 All references to "Type 170 Controller" are replaced with "Controller".
8

9 L-40.10

10 DELETED

11
12 The following are the Standard Plan numbers applicable at the time this project was advertised.
13 The date shown with each plan number is the publication approval date shown in the lower right-
14 hand corner of that plan. Standard Plans showing different dates shall not be used in this
15 contract.
16

A-10.10-00.....8/7/07 A-30.35-00.....10/12/07 A-60.10-03.....12/23/14
A-10.20-00.....10/5/07 A-40.00-00.....8/11/09 A-60.20-03.....12/23/14
A-10.30-00.....10/5/07 A-40.10-04.....7/31/19 A-60.30-01.....6/28/18
A-20.10-00.....8/31/07 A-40.15-00.....8/11/09 A-60.40-00.....8/31/07
A-30.10-00.....11/8/07 A-40.20-04.....1/18/17
A-30.30-01.....6/16/11 A-40.50-02.....12/23/14

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B-5.20-03.....9/9/20 B-30.50-03.....2/27/18 B-75.20-02.....2/27/18
B-5.40-02.....1/26/17 B-30.60-00.....9/9/20 B-75.50-01.....6/10/08
B-5.60-02.....1/26/17 B-30.70-04.....2/27/18 B-75.60-00.....6/8/06
B-10.20-02.....3/2/18 B-30.80-01.....2/27/18 B-80.20-00.....6/8/06
B-10.40-01.....1/26/17 B-30.90-02.....1/26/17 B-80.40-00.....6/1/06
B-10.70-01.....9/9/20 B-35.20-00.....6/8/06 B-85.10-01.....6/10/08
B-15.20-01.....2/7/12 B-35.40-00.....6/8/06 B-85.20-00.....6/1/06
B-15.40-01.....2/7/12 B-40.20-00.....6/1/06 B-85.30-00.....6/1/06
B-15.60-02.....1/26/17 B-40.40-02.....1/26/17 B-85.40-00.....6/8/06
B-20.20-02.....3/16/12 B-45.20-01.....7/11/17 B-85.50-01.....6/10/08
B-20.40-04.....2/27/18 B-45.40-01.....7/21/17 B-90.10-00.....6/8/06
B-20.60-03.....3/15/12 B-50.20-00.....6/1/06 B-90.20-00.....6/8/06
B-25.20-02.....2/27/18 B-55.20-02.....2/27/18 B-90.30-00.....6/8/06
B-25.60-02.....2/27/18 B-60.20-02.....9/9/20 B-90.40-01.....1/26/17
B-30.05-00.....9/9/20 B-60.40-01.....2/27/18 B-90.50-00.....6/8/06
B-30.10-03.....2/27/18 B-65.20-01.....4/26/12 B-95.20-01.....2/3/09
B-30.15-00.....2/27/18 B-65.40-00.....6/1/06 B-95.40-01.....6/28/18
B-30.20-04.....2/27/18 B-70.20-00.....6/1/06
B-30.30-03.....2/27/18 B-70.60-01.....1/26/17
B-30.40-03.....2/27/18

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C-1.....9/9/20 C-20.42-05.....7/14/15 C-70.10-02.....9/16/20
C-1b.....9/9/20 C-20.45-02.....8/12/19 C-75.10-02.....9/16/20
C-1d.....10/31/03 C-22.16-07.....9/16/20 C-75.20-02.....9/16/20
C-2c.....8/12/19 C-22.40-08.....9/16/20 C-75.30-02.....9/16/20
C-4f.....8/12/19 C-22.45-05.....9/16/20 C-80.10-02.....9/16/20
C-6a.....10/14/09 C-23.60-04.....7/21/17 C-80.20-01.....6/11/14
C-7.....6/16/11 C.24.10-02.....8/12/19 C-80.30-01.....6/11/14
C-7a.....6/16/11 C-25.20-06.....7/14/15 C-80.40-01.....6/11/14

C-8.....2/10/09	C-25.22-05.....7/14/15	C-85.10-00.....4/8/12
C-8a.....7/25/97	C-25.26-04.....8/12/19	C-85.11-01.....9/16/20
C-20.10-06.....9/16/20	C-25.30-00.....6/28/18	C-85.15-01.....6/30/14
C-20.14-04.....8/12/19	C-25.80-05.....8/12/19	C-85.16-01.....6/17/14
C-20.15-02.....6/11/14	C-60.10-01.....9/24/20	C-85.18-01.....6/11/14
C-20.18-03.....8/12/19	C-60.20-00.....9/24/20	C-85.20-01.....6/11/14
C-20.40-07.....8/12/19	C-60.30-00.....9/24/20	
C-20.41-02.....8/12/19	C-60.70-00.....9/24/20	

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D-2.04-00.....11/10/05	D-2.80-00.....11/10/05	D-6.....6/19/98
D-2.06-01.....1/6/09	D-2.84-00.....11/10/05	D-10.10-01.....12/2/08
D-2.08-00.....11/10/05	D-2.88-00.....11/10/05	D-10.15-01.....12/2/08
D-2.32-00.....11/10/05	D-2.92-00.....11/10/05	D-10.20-01.....8/7/19
D-2.34-01.....1/6/09	D-3.09-00.....5/17/12	D-10.25-01.....8/7/19
D-2.36-03.....6/11/14	D-3.10-01.....5/29/13	D-10.30-00.....7/8/08
D-2.60-00.....11/10/05	D-3.11-03.....6/11/14	D-10.35-00.....7/8/08
D-2.62-00.....11/10/05	D-3.15-02.....6/10/13	D-10.40-01.....12/2/08
D-2.64-01.....1/6/09	D-3.16-02.....5/29/13	D-10.45-01.....12/2/08
D-2.66-00.....11/10/05	D-3.17-02.....5/9/16	
D-2.68-00.....11/10/05	D-4.....12/11/98	

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E-1.....2/21/07	E-4.....8/27/03
E-2.....5/29/98	E-4a.....8/27/03

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F-10.12-04.....9/24/20	F-10.62-02.....4/22/14	F-40.15-04.....9/25/20
F-10.16-00.....12/20/06	F-10.64-03.....4/22/14	F-40.16-03.....6/29/16
F-10.18-02.....9/24/20	F-30.10-04.....9/25/20	F-45.10-02.....7/15/16
F-10.40-04.....9/24/20	F-40.12-03.....6/29/16	F-80.10-04.....7/15/16
F-10.42-00.....1/23/07	F-40.14-03.....6/29/16	

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G-10.10-00.....9/20/07	G-25.10-05.....9/16/20	G-95.10-02.....6/28/18
G-20.10-02.....6/23/15	G-26.10-00.....7/31/19	G-95.20-03.....6/28/18
G-22.10-04.....6/28/18	G-30.10-04.....6/23/15	G-95.30-03.....6/28/18
G-24.10-00.....11/8/07	G-50.10-03.....6/28/18	
G-24.20-01.....2/7/12	G-90.10-03.....7/11/17	
G-24.30-02.....6/28/18	G-90.11-00.....4/28/16	
G-24.40-07.....6/28/18	G-90.20-05.....7/11/17	
G-24.50-05.....8/7/19	G-90.30-04.....7/11/17	
G-24.60-05.....6/28/18	G-90.40-02.....4/28/16	

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H-10.10-00.....7/3/08	H-32.10-00.....9/20/07	H-70.10-01.....2/7/12
H-10.15-00.....7/3/08	H-60.10-01.....7/3/08	H-70.20-01.....2/16/12
H-30.10-00.....10/12/07	H-60.20-01.....7/3/08	

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I-10.10-01.....8/11/09	I-30.20-00.....9/20/07	I-40.20-00.....9/20/07
I-30.10-02.....3/22/13	I-30.30-02.....6/12/19	I-50.20-01.....6/10/13
I-30.15-02.....3/22/13	I-30.40-02.....6/12/19	I-60.10-01.....6/10/13
I-30.16-01.....7/11/19	I-30.60-02.....6/12/19	I-60.20-01.....6/10/13
I-30.17-01.....6/12/19	I-40.10-00.....9/20/07	I-80.10-02.....7/15/16

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J-10.....7/18/97	J-28.40-02.....6/11/14	J-60.13-00.....6/16/10
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J-10.10-04.....9/16/20	J-28.42-01.....6/11/14	J-60.14-01.....7/31/19
J-10.12-00.....9/16/20	J-28.43-01.....6/28/18	J-75.10-02.....7/10/15
J-10.14-00.....9/16/20	J-28.45-03.....7/21/16	J-75.20-01.....7/10/15
J-10.15-01.....6/11/14	J-28.50-03.....7/21/16	J-75.30-02.....7/10/15
J-10.16-01.....9/16/20	J-28.60-02.....7/21/16	J-75.40-02.....6/1/16
J-10.17-01.....9/16/20	J-28.70-03.....7/21/17	J-75.41-01.....6/29/16
J-10.18-01.....9/16/20	J-29.10-01.....7/21/16	J-75.45-02.....6/1/16
J-10.20-03.....9/16/20	J-29.15-01.....7/21/16	J-80.10-00.....6/28/18
J-10.21-01.....9/16/20	J-29.16-02.....7/21/16	J-80.15-00.....6/28/18
J-10.22-01.....9/16/20	J-30.10-00.....6/18/15	J-81.10-01.....9/16/20
J-10.25-00.....7/11/17	J-40.05-00.....7/21/16	J-86.10-00.....6/28/18
J-12.15-00.....6/28/18	J-40.10-04.....4/28/16	J-90.10-03.....6/28/18
J-12.16-00.....6/28/18	J-40.20-03.....4/28/16	J-90.20-03.....6/28/18
J-15.10-01.....6/11/14	J-40.30-04.....4/28/16	J-90.21-02.....6/28/18
J-15.15-02.....7/10/15	J-40.35-01.....5/29/13	J-90.50-00.....6/28/18
J-20.10-04.....7/31/19	J-40.36-02.....7/21/17	
J-20.11-03.....7/31/19	J-40.37-02.....7/21/17	
J-20.15-03.....6/30/14	J-40.38-01.....5/20/13	
J-20.16-02.....6/30/14	J-40.39-00.....5/20/13	
J-20.20-02.....5/20/13	J-40.40-02.....7/31/19	
J-20.26-01.....7/12/12	J-45.36-00.....7/21/17	
J-21.10-04.....6/30/14	J-50.05-00.....7/21/17	
J-21.15-01.....6/10/13	J-50.10-01.....7/31/19	
J-21.16-01.....6/10/13	J-50.11-02.....7/31/19	
J-21.17-01.....6/10/13	J-50.12-02.....8/7/19	
J-21.20-01.....6/10/13	J-50.13-00.....8/22/19	
J-22.15-02.....7/10/15	J-50.15-01.....7/21/17	
J-22.16-03.....7/10/15	J-50.16-01.....3/22/13	
J-26.10-03.....7/21/16	J-50.18-00.....8/7/19	
J-26.15-01.....5/17/12	J-50.19-00.....8/7/19	
J-26.20-01.....6/28/18	J-50.20-00.....6/3/11	
J-27.10-01.....7/21/16	J-50.25-00.....6/3/11	
J-27.15-00.....3/15/12	J-50.30-00.....6/3/11	
J-28.10-02.....8/7/19	J-60.05-01.....7/21/16	
J-28.22-00.....8/07/07	J-60.11-00.....5/20/13	
J-28.24-02.....9/16/20	J-60.12-00.....5/20/13	
J-28.26-01.....12/02/08		
J-28.30-03.....6/11/14		

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K-70.20-01.....6/1/16
K-80.10-02.....9/25/20
K-80.20-00.....12/20/06
K-80.35-01.....9/16/20
K-80.37-01.....9/16/20

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L-10.10-02.....6/21/12		L-70.10-01.....5/21/08
L-20.10-03.....7/14/15	L-40.15-01.....6/16/11	L-70.20-01.....5/21/08
L-30.10-02.....6/11/14	L-40.20-02.....6/21/12	

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M-1.20-04.....9/25/20	M-11.10-03.....8/7/19	M-40.20-00...10/12/07
M-1.40-03.....9/25/20	M-12.10-02.....9/25/20	M-40.30-01.....7/11/17
M-1.60-03.....9/25/20	M-15.10-01.....2/6/07	M-40.40-00.....9/20/07
M-1.80-03.....6/3/11	M-17.10-02.....7/3/08	M-40.50-00.....9/20/07

M-2.20-03.....7/10/15	M-20.10-03.....9/25/20	M-40.60-00.....9/20/07
M-2.21-00.....7/10/15	M-20.20-02.....4/20/15	M-60.10-01.....6/3/11
M-3.10-04.....9/25/20	M-20.30-04.....2/29/16	M-60.20-02.....6/27/11
M-3.20-03.....9/25/20	M-20.40-03.....6/24/14	M-65.10-02.....5/11/11
M-3.30-04.....9/25/20	M-20.50-02.....6/3/11	M-80.10-01.....6/3/11
M-3.40-04.....9/25/20	M-24.20-02.....4/20/15	M-80.20-00.....6/10/08
M-3.50-03.....9/25/20	M-24.40-02.....4/20/15	M-80.30-00.....6/10/08
M-5.10-03.....9/25/20	M-24.60-04.....6/24/14	
M-7.50-01.....1/30/07	M-24.65-00.....7/11/17	
M-9.50-02.....6/24/14	M-24.66-00.....7/11/17	
M-9.60-00.....2/10/09	M-40.10-03.....6/24/14	

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APPENDIX A

WASHINGTON STATE PREVAILING WAGE RATES

INCLUDING:

State Wage Rates

Wage Rate Supplements

Wage Rate Benefit Codes

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: 7/22/2021

<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>
Lewis	Asbestos Abatement Workers	Journey Level	\$52.39	<u>5D</u>	<u>1H</u>		View
Lewis	Boilermakers	Journey Level	\$70.79	<u>5N</u>	<u>1C</u>		View
Lewis	Brick Mason	Journey Level	\$60.57	<u>7E</u>	<u>1N</u>		View
Lewis	Brick Mason	Pointer-Caulker-Cleaner	\$60.57	<u>7E</u>	<u>1N</u>		View
Lewis	Building Service Employees	Janitor	\$13.69		<u>1</u>		View
Lewis	Building Service Employees	Shampooer	\$13.69		<u>1</u>		View
Lewis	Building Service Employees	Waxer	\$13.69		<u>1</u>		View
Lewis	Building Service Employees	Window Cleaner	\$13.69		<u>1</u>		View
Lewis	Cabinet Makers (In Shop)	Journey Level	\$23.17		<u>1</u>		View
Lewis	Carpenters	Acoustical Worker	\$64.94	<u>7A</u>	<u>4C</u>		View
Lewis	Carpenters	Carpenter	\$64.94	<u>7A</u>	<u>4C</u>		View
Lewis	Carpenters	Carpenters on Stationary Tools	\$65.07	<u>7A</u>	<u>4C</u>		View
Lewis	Carpenters	Creosoted Material	\$65.07	<u>7A</u>	<u>4C</u>		View
Lewis	Carpenters	Floor Finisher	\$64.94	<u>7A</u>	<u>4C</u>		View
Lewis	Carpenters	Floor Layer	\$64.94	<u>7A</u>	<u>4C</u>		View
Lewis	Carpenters	Scaffold Erector	\$64.94	<u>7A</u>	<u>4C</u>		View
Lewis	Cement Masons	Application of all Composition Mastic	\$64.84	<u>7A</u>	<u>4U</u>		View
Lewis	Cement Masons	Application of all Epoxy Material	\$64.34	<u>7A</u>	<u>4U</u>		View
Lewis	Cement Masons	Application of all Plastic Material	\$64.84	<u>7A</u>	<u>4U</u>		View
Lewis	Cement Masons	Application of Sealing Compound	\$64.34	<u>7A</u>	<u>4U</u>		View
Lewis	Cement Masons	Application of Underlayment	\$64.84	<u>7A</u>	<u>4U</u>		View
Lewis	Cement Masons	Building General	\$64.34	<u>7A</u>	<u>4U</u>		View

Lewis	Cement Masons	Composition or Kalman Floors	\$64.84	7A	4U		View
Lewis	Cement Masons	Concrete Paving	\$64.34	7A	4U		View
Lewis	Cement Masons	Curb & Gutter Machine	\$64.84	7A	4U		View
Lewis	Cement Masons	Curb & Gutter, Sidewalks	\$64.34	7A	4U		View
Lewis	Cement Masons	Curing Concrete	\$64.34	7A	4U		View
Lewis	Cement Masons	Finish Colored Concrete	\$64.84	7A	4U		View
Lewis	Cement Masons	Floor Grinding	\$64.84	7A	4U		View
Lewis	Cement Masons	Floor Grinding/Polisher	\$64.34	7A	4U		View
Lewis	Cement Masons	Green Concrete Saw, self-powered	\$64.84	7A	4U		View
Lewis	Cement Masons	Grouting of all Plates	\$64.34	7A	4U		View
Lewis	Cement Masons	Grouting of all Tilt-up Panels	\$64.34	7A	4U		View
Lewis	Cement Masons	Gunite Nozzleman	\$64.84	7A	4U		View
Lewis	Cement Masons	Hand Powered Grinder	\$64.84	7A	4U		View
Lewis	Cement Masons	Journey Level	\$64.34	7A	4U		View
Lewis	Cement Masons	Patching Concrete	\$64.34	7A	4U		View
Lewis	Cement Masons	Pneumatic Power Tools	\$64.84	7A	4U		View
Lewis	Cement Masons	Power Chipping & Brushing	\$64.84	7A	4U		View
Lewis	Cement Masons	Sand Blasting Architectural Finish	\$64.84	7A	4U		View
Lewis	Cement Masons	Screed & Rodding Machine	\$64.84	7A	4U		View
Lewis	Cement Masons	Spackling or Skim Coat Concrete	\$64.34	7A	4U		View
Lewis	Cement Masons	Troweling Machine Operator	\$64.84	7A	4U		View
Lewis	Cement Masons	Troweling Machine Operator on Colored Slabs	\$64.84	7A	4U		View
Lewis	Cement Masons	Tunnel Workers	\$64.84	7A	4U		View
Lewis	Divers & Tenders	Bell/Vehicle or Submersible Operator (Not Under Pressure)	\$118.80	7A	4C		View
Lewis	Divers & Tenders	Dive Supervisor/Master	\$81.98	7A	4C		View
Lewis	Divers & Tenders	Diver	\$118.80	7A	4C	8V	View
Lewis	Divers & Tenders	Diver On Standby	\$76.98	7A	4C		View
Lewis	Divers & Tenders	Diver Tender	\$69.91	7A	4C		View
Lewis	Divers & Tenders	Manifold Operator	\$69.91	7A	4C		View
Lewis	Divers & Tenders	Manifold Operator Mixed Gas	\$74.91	7A	4C		View
Lewis	Divers & Tenders	Remote Operated Vehicle Operator/Technician	\$69.91	7A	4C		View
Lewis	Divers & Tenders	Remote Operated Vehicle Tender	\$65.19	7A	4C		View
Lewis	Dredge Workers	Assistant Engineer	\$70.62	5D	3F		View
Lewis	Dredge Workers	Assistant Mate (Deckhand)	\$70.07	5D	3F		View
Lewis	Dredge Workers	Boatmen	\$70.62	5D	3F		View
Lewis	Dredge Workers	Engineer Welder	\$71.97	5D	3F		View
Lewis	Dredge Workers	Leverman, Hydraulic	\$73.41	5D	3F		View

Lewis	Dredge Workers	Mates	\$70.62	<u>5D</u>	<u>3F</u>		View
Lewis	Dredge Workers	Oiler	\$70.07	<u>5D</u>	<u>3F</u>		View
Lewis	Drywall Applicator	Journey Level	\$64.94	<u>5D</u>	<u>1H</u>		View
Lewis	Drywall Tapers	Journey Level	\$65.31	<u>5P</u>	<u>1E</u>		View
Lewis	Electrical Fixture Maintenance Workers	Journey Level	\$13.69		<u>1</u>		View
Lewis	Electricians - Inside	Cable Splicer	\$77.53	<u>5C</u>	<u>1G</u>		View
Lewis	Electricians - Inside	Journey Level	\$72.56	<u>5C</u>	<u>1G</u>		View
Lewis	Electricians - Inside	Lead Covered Cable Splicer	\$82.51	<u>5C</u>	<u>1G</u>		View
Lewis	Electricians - Inside	Welder	\$77.53	<u>5C</u>	<u>1G</u>		View
Lewis	Electricians - Motor Shop	Craftsman	\$15.37		<u>1</u>		View
Lewis	Electricians - Motor Shop	Journey Level	\$14.69		<u>1</u>		View
Lewis	Electricians - Powerline Construction	Cable Splicer	\$82.39	<u>5A</u>	<u>4D</u>		View
Lewis	Electricians - Powerline Construction	Certified Line Welder	\$75.64	<u>5A</u>	<u>4D</u>		View
Lewis	Electricians - Powerline Construction	Groundperson	\$49.17	<u>5A</u>	<u>4D</u>		View
Lewis	Electricians - Powerline Construction	Heavy Line Equipment Operator	\$75.64	<u>5A</u>	<u>4D</u>		View
Lewis	Electricians - Powerline Construction	Journey Level Lineperson	\$75.64	<u>5A</u>	<u>4D</u>		View
Lewis	Electricians - Powerline Construction	Line Equipment Operator	\$64.54	<u>5A</u>	<u>4D</u>		View
Lewis	Electricians - Powerline Construction	Meter Installer	\$49.17	<u>5A</u>	<u>4D</u>	<u>8W</u>	View
Lewis	Electricians - Powerline Construction	Pole Sprayer	\$75.64	<u>5A</u>	<u>4D</u>		View
Lewis	Electricians - Powerline Construction	Powderperson	\$56.49	<u>5A</u>	<u>4D</u>		View
Lewis	Electronic Technicians	Journey Level	\$46.47	<u>6Z</u>	<u>1B</u>		View
Lewis	Elevator Constructors	Mechanic	\$100.51	<u>7D</u>	<u>4A</u>		View
Lewis	Elevator Constructors	Mechanic In Charge	\$108.53	<u>7D</u>	<u>4A</u>		View
Lewis	Fabricated Precast Concrete Products	Journey Level	\$13.69		<u>1</u>		View
Lewis	Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	\$13.69		<u>1</u>		View
Lewis	Fence Erectors	Fence Erector	\$44.40	<u>7A</u>	<u>4V</u>	<u>8Y</u>	View
Lewis	Fence Erectors	Fence Laborer	\$44.40	<u>7A</u>	<u>4V</u>	<u>8Y</u>	View
Lewis	Flaggers	Journey Level	\$44.40	<u>7A</u>	<u>4V</u>	<u>8Y</u>	View
Lewis	Glaziers	Journey Level	\$69.26	<u>7L</u>	<u>1Y</u>		View
Lewis	Heat & Frost Insulators And Asbestos Workers	Journey Level	\$79.43	<u>15H</u>	<u>11C</u>		View
Lewis	Heating Equipment Mechanics	Journey Level	\$89.61	<u>7E</u>	<u>1E</u>		View
Lewis	Hod Carriers & Mason Tenders	Journey Level	\$54.01	<u>7A</u>	<u>4V</u>	<u>8Y</u>	View
Lewis	Industrial Power Vacuum Cleaner	Journey Level	\$13.69		<u>1</u>		View

Lewis	Inland Boatmen	Boat Operator	\$61.41	5B	1K		View
Lewis	Inland Boatmen	Cook	\$56.48	5B	1K		View
Lewis	Inland Boatmen	Deckhand	\$57.48	5B	1K		View
Lewis	Inland Boatmen	Deckhand Engineer	\$58.81	5B	1K		View
Lewis	Inland Boatmen	Launch Operator	\$58.89	5B	1K		View
Lewis	Inland Boatmen	Mate	\$57.31	5B	1K		View
Lewis	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator, Foamer Operator	\$13.69		1		View
Lewis	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	\$13.69		1		View
Lewis	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	\$13.69		1		View
Lewis	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	\$13.69		1		View
Lewis	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Tv Truck Operator	\$13.69		1		View
Lewis	Insulation Applicators	Journey Level	\$64.94	7A	4C		View
Lewis	Ironworkers	Journeyman	\$76.78	7N	1O		View
Lewis	Laborers	Air, Gas Or Electric Vibrating Screed	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Airtrac Drill Operator	\$54.01	7A	4V	8Y	View
Lewis	Laborers	Ballast Regular Machine	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Batch Weighman	\$44.40	7A	4V	8Y	View
Lewis	Laborers	Brick Pavers	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Brush Cutter	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Brush Hog Feeder	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Burner	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Caisson Worker	\$54.01	7A	4V	8Y	View
Lewis	Laborers	Carpenter Tender	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Cement Dumper-paving	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Cement Finisher Tender	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Change House Or Dry Shack	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Chipping Gun (30 Lbs. And Over)	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Chipping Gun (Under 30 Lbs.)	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Choker Setter	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Chuck Tender	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Clary Power Spreader	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Clean-up Laborer	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Concrete Dumper/Chute Operator	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Concrete Form Stripper	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Concrete Placement Crew	\$53.35	7A	4V	8Y	View

Lewis	Laborers	Concrete Saw Operator/Core Driller	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Crusher Feeder	\$44.40	7A	4V	8Y	View
Lewis	Laborers	Curing Laborer	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Demolition: Wrecking & Moving (Incl. Charred Material)	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Ditch Digger	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Diver	\$54.01	7A	4V	8Y	View
Lewis	Laborers	Drill Operator (Hydraulic, Diamond)	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Dry Stack Walls	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Dump Person	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Epoxy Technician	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Erosion Control Worker	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Faller & Bucker Chain Saw	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Fine Graders	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Firewatch	\$44.40	7A	4V	8Y	View
Lewis	Laborers	Form Setter	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Gabian Basket Builders	\$52.39	7A	4V	8Y	View
Lewis	Laborers	General Laborer	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Grade Checker & Transit Person	\$54.01	7A	4V	8Y	View
Lewis	Laborers	Grinders	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Grout Machine Tender	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Groutmen (Pressure) Including Post Tension Beams	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Guardrail Erector	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Hazardous Waste Worker (Level A)	\$54.01	7A	4V	8Y	View
Lewis	Laborers	Hazardous Waste Worker (Level B)	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Hazardous Waste Worker (Level C)	\$52.39	7A	4V	8Y	View
Lewis	Laborers	High Scaler	\$54.01	7A	4V	8Y	View
Lewis	Laborers	Jackhammer	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Laserbeam Operator	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Maintenance Person	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Manhole Builder-Mudman	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Material Yard Person	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Motorman-Dinky Locomotive	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Nozzleman (Concrete Pump, Green Cutter When Using Combination Of High Pressure Air & Water On Concrete & Rock, Sandblast, Gunite, Shotcrete, Water Blaster, Vacuum Blaster)	\$53.35	7A	4V	8Y	View

Lewis	Laborers	Pavement Breaker	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Pilot Car	\$44.40	7A	4V	8Y	View
Lewis	Laborers	Pipe Layer Lead	\$54.01	7A	4V	8Y	View
Lewis	Laborers	Pipe Layer/Tailor	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Pipe Pot Tender	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Pipe Reliner	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Pipe Wrapper	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Pot Tender	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Powderman	\$54.01	7A	4V	8Y	View
Lewis	Laborers	Powderman's Helper	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Power Jacks	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Railroad Spike Puller - Power	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Raker - Asphalt	\$54.01	7A	4V	8Y	View
Lewis	Laborers	Re-timberman	\$54.01	7A	4V	8Y	View
Lewis	Laborers	Remote Equipment Operator	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Rigger/Signal Person	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Rip Rap Person	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Rivet Buster	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Rodder	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Scaffold Erector	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Scale Person	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Sloper (Over 20")	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Sloper Sprayer	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Spreader (Concrete)	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Stake Hopper	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Stock Piler	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Swinging Stage/Boatswain Chair	\$44.40	7A	4V	8Y	View
Lewis	Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Tamper (Multiple & Self-propelled)	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Timber Person - Sewer (Lagger, Shorer & Cribber)	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Toolroom Person (at Jobsite)	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Topper	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Track Laborer	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Track Liner (Power)	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Traffic Control Laborer	\$47.48	7A	4V	9C	View
Lewis	Laborers	Traffic Control Supervisor	\$50.31	7A	4V	9C	View
Lewis	Laborers	Truck Spotter	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Tugger Operator	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	\$129.67	7A	4V	9B	View
Lewis	Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00	\$134.70	7A	4V	9B	View

		psi					
Lewis	Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	\$138.38	7A	4V	9B	View
Lewis	Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	\$144.08	7A	4V	9B	View
Lewis	Laborers	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	\$146.20	7A	4V	9B	View
Lewis	Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	\$151.30	7A	4V	9B	View
Lewis	Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	\$153.20	7A	4V	9B	View
Lewis	Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	\$155.20	7A	4V	9B	View
Lewis	Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	\$157.20	7A	4V	9B	View
Lewis	Laborers	Tunnel Work-Guage and Lock Tender	\$54.11	7A	4V	8Y	View
Lewis	Laborers	Tunnel Work-Miner	\$54.11	7A	4V	8Y	View
Lewis	Laborers	Vibrator	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Vinyl Seamer	\$52.39	7A	4V	8Y	View
Lewis	Laborers	Watchman	\$40.36	7A	4V	8Y	View
Lewis	Laborers	Welder	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Well Point Laborer	\$53.35	7A	4V	8Y	View
Lewis	Laborers	Window Washer/Cleaner	\$40.36	7A	4V	8Y	View
Lewis	Laborers - Underground Sewer & Water	General Laborer & Topman	\$52.39	7A	4V	8Y	View
Lewis	Laborers - Underground Sewer & Water	Pipe Layer	\$53.35	7A	4V	8Y	View
Lewis	Landscape Construction	Landscape Construction/Landscaping Or Planting Laborers	\$40.36	7A	4V	8Y	View
Lewis	Landscape Construction	Landscape Operator	\$69.02	7A	3K	8X	View
Lewis	Landscape Maintenance	Groundskeeper	\$13.69		1		View
Lewis	Lathers	Journey Level	\$64.94	5D	1H		View
Lewis	Marble Setters	Journey Level	\$60.57	7E	1N		View
Lewis	Metal Fabrication (In Shop)	Fitter	\$15.16		1		View
Lewis	Metal Fabrication (In Shop)	Laborer	\$13.69		1		View
Lewis	Metal Fabrication (In Shop)	Machine Operator	\$13.69		1		View
Lewis	Metal Fabrication (In Shop)	Painter	\$13.69		1		View
Lewis	Metal Fabrication (In Shop)	Welder	\$15.16		1		View
Lewis	Millwright	Journey Level	\$66.44	7A	4C		View
Lewis	Modular Buildings	Cabinet Assembly	\$13.69		1		View
Lewis	Modular Buildings	Electrician	\$13.69		1		View
Lewis	Modular Buildings	Equipment Maintenance	\$13.69		1		View

Lewis	Modular Buildings	Plumber	\$13.69		<u>1</u>		View
Lewis	Modular Buildings	Production Worker	\$13.69		<u>1</u>		View
Lewis	Modular Buildings	Tool Maintenance	\$13.69		<u>1</u>		View
Lewis	Modular Buildings	Utility Person	\$13.69		<u>1</u>		View
Lewis	Modular Buildings	Welder	\$13.69		<u>1</u>		View
Lewis	Painters	Journey Level	\$45.40	<u>6Z</u>	<u>2B</u>		View
Lewis	Pile Driver	Crew Tender	\$69.91	<u>7A</u>	<u>4C</u>		View
Lewis	Pile Driver	Crew Tender/Technician	\$69.91	<u>7A</u>	<u>4C</u>		View
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 0- 30.00 PSI	\$80.76	<u>7A</u>	<u>4C</u>		View
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 30.01 - 44.00 PSI	\$85.76	<u>7A</u>	<u>4C</u>		View
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	\$89.76	<u>7A</u>	<u>4C</u>		View
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	\$94.76	<u>7A</u>	<u>4C</u>		View
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	\$97.26	<u>7A</u>	<u>4C</u>		View
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	\$102.26	<u>7A</u>	<u>4C</u>		View
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	\$104.26	<u>7A</u>	<u>4C</u>		View
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI	\$106.26	<u>7A</u>	<u>4C</u>		View
Lewis	Pile Driver	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	\$108.26	<u>7A</u>	<u>4C</u>		View
Lewis	Pile Driver	Journey Level	\$65.19	<u>7A</u>	<u>4C</u>		View
Lewis	Plasterers	Journey Level	\$61.67	<u>7Q</u>	<u>1R</u>		View
Lewis	Playground & Park Equipment Installers	Journey Level	\$13.69		<u>1</u>		View
Lewis	Plumbers & Pipefitters	Journey Level	\$79.47	<u>5A</u>	<u>1G</u>		View
Lewis	Power Equipment Operators	Asphalt Plant Operator	\$70.17	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Lewis	Power Equipment Operators	Assistant Engineer	\$66.30	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Lewis	Power Equipment Operators	Barrier Machine (zipper)	\$69.55	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Lewis	Power Equipment Operators	Batch Plant Operator: Concrete	\$69.55	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Lewis	Power Equipment Operators	Bobcat	\$66.01	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Lewis	Power Equipment Operators	Brokk - Remote Demolition Equipment	\$66.01	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Lewis	Power Equipment Operators	Brooms	\$66.01	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Lewis	Power Equipment Operators	Bump Cutter	\$69.55	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Lewis	Power Equipment Operators	Cableways	\$70.17	<u>7A</u>	<u>3K</u>	<u>8X</u>	View

Lewis	Power Equipment Operators	Chipper	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators	Compressor	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42m	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators	Concrete Finish Machine - laser Screed	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators	Conveyors	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators	Cranes Friction: 200 tons and over	\$72.63	7A	3K	8X	View
Lewis	Power Equipment Operators	Cranes, A-frame: 10 tons and under	\$66.30	7A	3K	8X	View
Lewis	Power Equipment Operators	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$71.20	7A	3K	8X	View
Lewis	Power Equipment Operators	Cranes: 20 tons through 44 tons with attachments	\$69.87	7A	3K	8X	View
Lewis	Power Equipment Operators	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$71.93	7A	3K	8X	View
Lewis	Power Equipment Operators	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$72.63	7A	3K	8X	View
Lewis	Power Equipment Operators	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	\$70.49	7A	3K	8X	View
Lewis	Power Equipment Operators	Cranes: Friction cranes through 199 tons	\$71.93	7A	3K	8X	View
Lewis	Power Equipment Operators	Cranes: through 19 tons with attachments, A-frame over 10 tons	\$69.33	7A	3K	8X	View
Lewis	Power Equipment Operators	Crusher	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators	Deck Engineer/deck Winches (power)	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators	Derricks: on building work	\$70.49	7A	3K	8X	View
Lewis	Power Equipment Operators	Dozers D-9 & Under	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators	Drilling Machine	\$70.88	7A	3K	8X	View
Lewis	Power Equipment Operators	Elevator and man-lift: permanent and shaft type	\$66.30	7A	3K	8X	View
Lewis	Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$69.55	7A	3K	8X	View

Lewis	Power Equipment Operators	Forklift: 3000 lbs and over with attachments	\$69.33	7A	3K	8X	View
Lewis	Power Equipment Operators	Forklifts: under 3000 lbs. with attachments	\$66.30	7A	3K	8X	View
Lewis	Power Equipment Operators	Grade Engineer: Using Blueprints, Cut Sheets, etc.	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators	Gradechecker/stakeman	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators	Guardrail punch/Auger	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators	Horizontal/directional Drill Locator	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators	Horizontal/directional Drill Operator	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators	Hydralifts/boom trucks: 10 tons and under	\$66.30	7A	3K	8X	View
Lewis	Power Equipment Operators	Hydralifts/boom trucks: over 10 tons	\$69.33	7A	3K	8X	View
Lewis	Power Equipment Operators	Loader, Overhead 8 Yards. & Over	\$70.88	7A	3K	8X	View
Lewis	Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators	Loaders, Overhead Under 6 Yards	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators	Loaders, Plant Feed	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators	Loaders: Elevating Type Belt	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators	Locomotives, All	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators	Material Transfer Device	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators	Mechanics: all (Leadmen - \$0.50 per hour over mechanic)	\$71.20	7A	3K	8X	View
Lewis	Power Equipment Operators	Motor patrol graders	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators	Outside Hoists (elevators and manlifts), Air Tuggers, Strato	\$69.33	7A	3K	8X	View
Lewis	Power Equipment Operators	Overhead, bridge type Crane: 20 tons through 44 tons	\$69.87	7A	3K	8X	View
Lewis	Power Equipment Operators	Overhead, Bridge Type	\$69.55	7A	3K	8X	View

		Crane: 20 Tons Through 44 Tons					
Lewis	Power Equipment Operators	Overhead, bridge type: 100 tons and over	\$71.20	7A	3K	8X	View
Lewis	Power Equipment Operators	Overhead, bridge type: 45 tons through 99 tons	\$70.49	7A	3K	8X	View
Lewis	Power Equipment Operators	Pavement Breaker	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators	Pile Driver (other Than Crane Mount)	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators	Plant Oiler - Asphalt, Crusher	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators	Posthole Digger, Mechanical	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators	Power Plant	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators	Pumps - Water	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators	Quad 9, HD 41, D10 And Over	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators	Quick Tower: no cab, under 100 feet in height based to boom	\$66.30	7A	3K	8X	View
Lewis	Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators	Rigger and Bellman	\$66.30	7A	3K	8X	View
Lewis	Power Equipment Operators	Rigger/Signal Person, Bellman(Certified)	\$69.33	7A	3K	8X	View
Lewis	Power Equipment Operators	Rollagon	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators	Roller, Other Than Plant Mix	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators	Roto-mill, Roto-grinder	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators	Saws - Concrete	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators	Scrapers - Concrete & Carry All	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators	Service Engineers: equipment	\$69.33	7A	3K	8X	View
Lewis	Power Equipment Operators	Shotcrete/gunite Equipment	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$69.55	7A	3K	8X	View

Lewis	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$70.88	7A	3K	8X	View
Lewis	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$71.60	7A	3K	8X	View
Lewis	Power Equipment Operators	Slipform Pavers	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators	Spreader, Topsider & Screedman	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators	Subgrader Trimmer	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators	Tower Bucket Elevators	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators	Tower Crane: over 175' through 250' in height, base to boom	\$71.93	7A	3K	8X	View
Lewis	Power Equipment Operators	Tower crane: up to 175' in height base to boom	\$71.20	7A	3K	8X	View
Lewis	Power Equipment Operators	Tower Cranes: over 250' in height from base to boom.	\$72.63	7A	3K	8X	View
Lewis	Power Equipment Operators	Transporters, All Track Or Truck Type	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators	Trenching Machines	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators	Truck Crane Oiler/Driver: 100 tons and over	\$69.87	7A	3K	8X	View
Lewis	Power Equipment Operators	Truck crane oiler/driver: under 100 tons	\$69.33	7A	3K	8X	View
Lewis	Power Equipment Operators	Truck Mount Portable Conveyor	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators	Welder	\$70.49	7A	3K	8X	View
Lewis	Power Equipment Operators	Wheel Tractors, Farmall Type	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators	Yo Yo Pay Dozer	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Asphalt Plant Operator	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Assistant Engineer	\$66.30	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Barrier Machine (zipper)	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Batch Plant Operator: Concrete	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Bobcat	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Brokk - Remote Demolition Equipment	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Brooms	\$66.01	7A	3K	8X	View

Lewis	Power Equipment Operators- Underground Sewer & Water	Bump Cutter	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Cableways	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Chipper	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Compressor	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42m	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Concrete Finish Machine - laser Screed	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Conveyors	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes Friction: 200 tons and over	\$72.63	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes, A-frame: 10 tons and under	\$66.30	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$71.20	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes: 20 tons through 44 tons with attachments	\$69.87	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$71.93	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$72.63	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	\$70.49	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes: Friction cranes through 199 tons	\$71.93	7A	3K	8X	View

Lewis	Power Equipment Operators- Underground Sewer & Water	Cranes: through 19 tons with attachments, A-frame over 10 tons	\$69.33	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Crusher	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Deck Engineer/deck Winches (power)	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Derricks: on building work	\$70.49	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Dozers D-9 & Under	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Drilling Machine	\$70.88	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Elevator and man-lift: permanent and shaft type	\$66.30	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Forklift: 3000 lbs and over with attachments	\$69.33	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Forklifts: under 3000 lbs. with attachments	\$66.30	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Grade Engineer: Using Blueprints, Cut Sheets, etc.	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Gradechecker/stakeman	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Guardrail punch/Auger	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Horizontal/directional Drill Locator	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Horizontal/directional Drill Operator	\$69.55	7A	3K	8X	View

Lewis	Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom trucks: 10 tons and under	\$66.30	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom trucks: over 10 tons	\$69.33	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Loader, Overhead 8 Yards. & Over	\$70.88	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Loaders, Overhead Under 6 Yards	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Loaders, Plant Feed	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Loaders: Elevating Type Belt	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Locomotives, All	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Material Transfer Device	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Mechanics: all (Leadmen - \$0.50 per hour over mechanic)	\$71.20	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Motor patrol graders	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Outside Hoists (elevators and manlifts), Air Tuggers, Strato	\$69.33	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Overhead, bridge type Crane: 20 tons through 44 tons	\$69.87	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Overhead, bridge type: 100 tons and over	\$71.20	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Overhead, bridge type: 45 tons through 99 tons	\$70.49	7A	3K	8X	View
Lewis	Power Equipment	Pavement Breaker	\$66.01	7A	3K	8X	View

	Operators- Underground Sewer & Water						
Lewis	Power Equipment Operators- Underground Sewer & Water	Pile Driver (other Than Crane Mount)	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Posthole Digger, Mechanical	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Power Plant	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Pumps - Water	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Quad 9, HD 41, D10 And Over	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Quick Tower: no cab, under 100 feet in height based to boom	\$66.30	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Rigger and Bellman	\$66.30	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Rigger/Signal Person, Bellman(Certified)	\$69.33	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Rollagon	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Roller, Other Than Plant Mix	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Roto-mill, Roto-grinder	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Saws - Concrete	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Scrapers - Concrete & Carry All	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground	Scrapers, Self-propelled: 45 Yards And Over	\$70.17	7A	3K	8X	View

	Sewer & Water						
Lewis	Power Equipment Operators- Underground Sewer & Water	Service Engineers: equipment	\$69.33	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Shotcrete/gunite Equipment	\$66.01	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$70.88	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Slipform Pavers	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Spreader, Topsider & Screedman	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Subgrader Trimmer	\$69.55	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Tower Bucket Elevators	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Tower Crane: over 175' through 250' in height, base to boom	\$71.93	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Tower crane: up to 175' in height base to boom	\$71.20	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Tower Cranes: over 250' in height from base to boom.	\$72.63	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Transporters, All Track Or Truck Type	\$70.17	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Trenching Machines	\$69.02	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Truck Crane Oiler/Driver: 100 tons and over	\$69.87	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Truck crane oiler/driver: under 100 tons	\$69.33	7A	3K	8X	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Truck Mount Portable Conveyor	\$69.55	7A	3K	8X	View

Lewis	Power Equipment Operators- Underground Sewer & Water	Welder	\$70.49	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Wheel Tractors, Farmall Type	\$66.01	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Lewis	Power Equipment Operators- Underground Sewer & Water	Yo Yo Pay Dozer	\$69.55	<u>7A</u>	<u>3K</u>	<u>8X</u>	View
Lewis	Power Line Clearance Tree Trimmers	Journey Level In Charge	\$55.03	<u>5A</u>	<u>4A</u>		View
Lewis	Power Line Clearance Tree Trimmers	Spray Person	\$52.24	<u>5A</u>	<u>4A</u>		View
Lewis	Power Line Clearance Tree Trimmers	Tree Equipment Operator	\$55.03	<u>5A</u>	<u>4A</u>		View
Lewis	Power Line Clearance Tree Trimmers	Tree Trimmer	\$49.21	<u>5A</u>	<u>4A</u>		View
Lewis	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	\$37.47	<u>5A</u>	<u>4A</u>		View
Lewis	Refrigeration & Air Conditioning Mechanics	Journey Level	\$79.46	<u>5A</u>	<u>1G</u>		View
Lewis	Residential Brick Mason	Journey Level	\$21.96		<u>1</u>		View
Lewis	Residential Carpenters	Journey Level	\$24.89		<u>1</u>		View
Lewis	Residential Cement Masons	Journey Level	\$16.79		<u>1</u>		View
Lewis	Residential Drywall Applicators	Journey Level	\$36.07		<u>1</u>		View
Lewis	Residential Drywall Tapers	Journey Level	\$24.48		<u>1</u>		View
Lewis	Residential Electricians	Journey Level	\$37.53	<u>5A</u>	<u>1B</u>		View
Lewis	Residential Glaziers	Journey Level	\$25.40		<u>1</u>		View
Lewis	Residential Insulation Applicators	Journey Level	\$28.53		<u>1</u>		View
Lewis	Residential Laborers	Journey Level	\$23.10		<u>1</u>		View
Lewis	Residential Marble Setters	Journey Level	\$21.96		<u>1</u>		View
Lewis	Residential Painters	Journey Level	\$18.76		<u>1</u>		View
Lewis	Residential Plumbers & Pipefitters	Journey Level	\$26.35		<u>1</u>		View
Lewis	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	\$32.89		<u>1</u>		View
Lewis	Residential Sheet Metal Workers	Journey Level	\$33.28		<u>1</u>		View
Lewis	Residential Soft Floor Layers	Journey Level	\$14.86		<u>1</u>		View
Lewis	Residential Sprinkler Fitters (Fire Protection)	Journey Level	\$20.28		<u>1</u>		View
Lewis	Residential Stone Masons	Journey Level	\$21.96		<u>1</u>		View
Lewis	Residential Terrazzo Workers	Journey Level	\$14.86		<u>1</u>		View
Lewis	Residential Terrazzo/Tile Finishers	Journey Level	\$14.86		<u>1</u>		View
Lewis	Residential Tile Setters	Journey Level	\$14.86		<u>1</u>		View
Lewis	Roofers	Journey Level	\$56.95	<u>5A</u>	<u>2O</u>		View

Lewis	Roofers	Using Irritable Bituminous Materials	\$59.95	5A	2O		View
Lewis	Sheet Metal Workers	Journey Level (Field or Shop)	\$89.61	7F	1E		View
Lewis	Sign Makers & Installers (Electrical)	Journey Level	\$18.04		1		View
Lewis	Sign Makers & Installers (Non-Electrical)	Journey Level	\$52.39	7A	4V	8Y	View
Lewis	Soft Floor Layers	Journey Level	\$51.91	5A	3J		View
Lewis	Solar Controls For Windows	Journey Level	\$13.69		1		View
Lewis	Sprinkler Fitters (Fire Protection)	Journey Level	\$66.01	7J	1R		View
Lewis	Stage Rigging Mechanics (Non Structural)	Journey Level	\$13.69		1		View
Lewis	Stone Masons	Journey Level	\$60.57	7E	1N		View
Lewis	Street And Parking Lot Sweeper Workers	Journey Level	\$16.00		1		View
Lewis	Surveyors	Chain Person	\$68.39	7A	3K		View
Lewis	Surveyors	Instrument Person	\$69.02	7A	3K		View
Lewis	Surveyors	Party Chief	\$70.17	7A	3K		View
Lewis	Telecommunication Technicians	Journey Level	\$46.47	6Z	1B		View
Lewis	Telephone Line Construction - Outside	Cable Splicer	\$37.40	5A	2B		View
Lewis	Telephone Line Construction - Outside	Hole Digger/Ground Person	\$25.04	5A	2B		View
Lewis	Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	\$31.22	5A	2B		View
Lewis	Telephone Line Construction - Outside	Telephone Lineperson	\$35.34	5A	2B		View
Lewis	Terrazzo Workers	Journey Level	\$55.71	7E	1N		View
Lewis	Tile Setters	Journey Level	\$55.71	7E	1N		View
Lewis	Tile, Marble & Terrazzo Finishers	Finisher	\$46.54	7E	1N		View
Lewis	Traffic Control Stripers	Journey Level	\$49.13	7A	1K		View
Lewis	Truck Drivers	Asphalt Mix Over 16 Yards	\$63.80	5D	4Y	8L	View
Lewis	Truck Drivers	Asphalt Mix To 16 Yards	\$62.96	5D	4Y	8L	View
Lewis	Truck Drivers	Dump Truck	\$62.96	5D	4Y	8L	View
Lewis	Truck Drivers	Dump Truck & Trailer	\$63.80	5D	4Y	8L	View
Lewis	Truck Drivers	Other Trucks	\$63.80	5D	4Y	8L	View
Lewis	Truck Drivers - Ready Mix	Transit Mix	\$63.80	5D	4Y	8L	View
Lewis	Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	\$18.18		1		View
Lewis	Well Drillers & Irrigation Pump Installers	Oiler	\$13.69		1		View
Lewis	Well Drillers & Irrigation Pump Installers	Well Driller	\$18.00		1		View

**Washington State Department of Labor and Industries
Policy Statement
(Regarding the Production of "Standard" or "Non-standard" Items)**

Below is the department's (State L&I's) list of criteria to be used in determining whether a prefabricated item is "standard" or "non-standard". For items not appearing on WSDOT's predetermined list, these criteria shall be used by the Contractor (and the Contractor's subcontractors, agents to subcontractors, suppliers, manufacturers, and fabricators) to determine coverage under RCW 39.12. The production, in the State of Washington, of non-standard items is covered by RCW 39.12, and the production of standard items is not. The production of any item outside the State of Washington is not covered by RCW 39.12.

1. Is the item fabricated for a public works project? If not, it is not subject to RCW 39.12. If it is, go to question 2.
2. Is the item fabricated on the public works jobsite? If it is, the work is covered under RCW 39.12. If not, go to question 3.
3. Is the item fabricated in an assembly/fabrication plant set up for, and dedicated primarily to, the public works project? If it is, the work is covered by RCW 39.12. If not, go to question 4.
4. Does the item require any assembly, cutting, modification or other fabrication by the supplier? If not, the work is not covered by RCW 39.12. If yes, go to question 5.
5. Is the prefabricated item intended for the public works project typically an inventory item which could reasonably be sold on the general market? If not, the work is covered by RCW 39.12. If yes, go to question 6.
6. Does the specific prefabricated item, generally defined as standard, have any unusual characteristics such as shape, type of material, strength requirements, finish, etc? If yes, the work is covered under RCW 39.12.

Any firm with questions regarding the policy, WSDOT's Predetermined List, or for determinations of covered and non-covered workers shall be directed to State L&I at (360) 902-5330.

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

Below is a list of potentially prefabricated items, originally furnished by WSDOT to Washington State Department of Labor and Industries, that may be considered non-standard and therefore covered by the prevailing wage law, RCW 39.12. Items marked with an X in the "YES" column should be considered to be non-standard and therefore covered by RCW 39.12. Items marked with an X in the "NO" column should be considered to be standard and therefore not covered. Of course, exceptions to this general list may occur, and in that case shall be evaluated according to the criteria described in State and L&I's policy statement.

ITEM DESCRIPTION	YES	NO
1. Metal rectangular frames, solid metal covers, herringbone grates, and bi-directional vaned grates for Catch Basin Types 1, 1L, 1P, and 2 and Concrete Inlets. See Std. Plans		X
2. Metal circular frames (rings) and covers, circular grates, and prefabricated ladders for Manhole Types 1, 2, and 3, Drywell Types 1, 2, and 3 and Catch Basin Type 2. See Std. Plans		X
3. Prefabricated steel grate supports and welded grates, metal frames and dual vaned grates, and Type 1, 2, and 3 structural tubing grates for Drop Inlets. See Std. Plans.		X
4. Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes smaller than 60 inch diameter.		X
5. Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes larger than 60 inch diameter.		X
6. Corrugated Steel Pipe - Steel lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, 1 thru 5.		X
7. Corrugated Aluminum Pipe - Aluminum lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, #5.		X

ITEM DESCRIPTION	YES	NO
8. Anchor Bolts & Nuts - Anchor Bolts and Nuts, for mounting sign structures, luminaries and other items, shall be made from commercial bolt stock. See Contract Plans and Std. Plans for size and material type.		X
9. Aluminum Pedestrian Handrail - Pedestrian handrail conforming to the type and material specifications set forth in the contract plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).	X	
10. Major Structural Steel Fabrication - Fabrication of major steel items such as trusses, beams, girders, etc., for bridges.	X	
11. Minor Structural Steel Fabrication - Fabrication of minor steel Items such as special hangers, brackets, access doors for structures, access ladders for irrigation boxes, bridge expansion joint systems, etc., involving welding, cutting, punching and/or boring of holes. See Contact Plans for item description and shop drawings.	X	
12. Aluminum Bridge Railing Type BP - Metal bridge railing conforming to the type and material specifications set forth in the Contract Plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).		X
13. Concrete Piling--Precast-Prestressed concrete piling for use as 55 and 70 ton concrete piling. Concrete to conform to Section 9-19.1 of Std. Spec..	X	
14. Precast Manhole Types 1, 2, and 3 with cones, adjustment sections and flat top slabs. See Std. Plans.		X
15. Precast Drywell Types 1, 2, and with cones and adjustment Sections. See Std. Plans.		X
16. Precast Catch Basin - Catch Basin type 1, 1L, 1P, and 2 With adjustment sections. See Std. Plans.		X

ITEM DESCRIPTION	YES	NO
17. Precast Concrete Inlet - with adjustment sections, See Std. Plans		X
18. Precast Drop Inlet Type 1 and 2 with metal grate supports. See Std. Plans.		X
19. Precast Grate Inlet Type 2 with extension and top units. See Std. Plans		X
20. Metal frames, vaned grates, and hoods for Combination Inlets. See Std. Plans		X
21. Precast Concrete Utility Vaults - Precast Concrete utility vaults of various sizes. Used for in ground storage of utility facilities and controls. See Contract Plans for size and construction requirements. Shop drawings are to be provided for approval prior to casting		X
22. Vault Risers - For use with Valve Vaults and Utilities X Vaults.		X
23. Valve Vault - For use with underground utilities. See Contract Plans for details.		X
24. Precast Concrete Barrier - Precast Concrete Barrier for use as new barrier or may also be used as Temporary Concrete Barrier. Only new state approved barrier may be used as permanent barrier.		X
25. Reinforced Earth Wall Panels – Reinforced Earth Wall Panels in size and shape as shown in the Plans. Fabrication plant has annual approval for methods and materials to be used. See Shop Drawing. Fabrication at other locations may be approved, after facilities inspection, contact HQ. Lab.	X	
26. Precast Concrete Walls - Precast Concrete Walls - tilt-up wall panel in size and shape as shown in Plans. Fabrication plant has annual approval for methods and materials to be used	X	

ITEM DESCRIPTION	YES	NO
27. Precast Railroad Crossings - Concrete Crossing Structure Slabs.	X	
28. 12, 18 and 26 inch Standard Precast Prestressed Girder – Standard Precast Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
29. Prestressed Concrete Girder Series 4-14 - Prestressed Concrete Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
30. Prestressed Tri-Beam Girder - Prestressed Tri-Beam Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
31. Prestressed Precast Hollow-Core Slab – Precast Prestressed Hollow-core slab for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A.	X	
32. Prestressed-Bulb Tee Girder - Bulb Tee Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
33. Monument Case and Cover See Std. Plan.		X

ITEM DESCRIPTION	YES	NO
34. Cantilever Sign Structure - Cantilever Sign Structure fabricated from steel tubing meeting AASHTO-M-183. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	X	
35. Mono-tube Sign Structures - Mono-tube Sign Bridge fabricated to details shown in the Plans. Shop drawings for approval are required prior to fabrication.	X	
36. Steel Sign Bridges - Steel Sign Bridges fabricated from steel tubing meeting AASHTO-M-138 for Aluminum Alloys. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	X	
37. Steel Sign Post - Fabricated Steel Sign Posts as detailed in Std Plans. Shop drawings for approval are to be provided prior to fabrication		X
38. Light Standard-Prestressed - Spun, prestressed, hollow concrete poles.	X	
39. Light Standards - Lighting Standards for use on highway illumination systems, poles to be fabricated to conform with methods and materials as specified on Std. Plans. See Special Provisions for pre-approved drawings.	X	
40. Traffic Signal Standards - Traffic Signal Standards for use on highway and/or street signal systems. Standards to be fabricated to conform with methods and material as specified on Std. Plans. See Special Provisions for pre-approved drawings	X	
41. Precast Concrete Sloped Mountable Curb (Single and DualFaced) See Std. Plans.		X

ITEM DESCRIPTION	YES	NO
42. Traffic Signs - Prior to approval of a Fabricator of Traffic Signs, the sources of the following materials must be submitted and approved for reflective sheeting, legend material, and aluminum sheeting. NOTE: *** Fabrication inspection required. Only signs tagged "Fabrication Approved" by WSDOT Sign Fabrication Inspector to be installed	X	X
	Custom Message	Std Signing Message
43. Cutting & bending reinforcing steel		X
44. Guardrail components	X	X
	Custom End Sec	Standard Sec
45. Aggregates/Concrete mixes	Covered by WAC 296-127-018	
46. Asphalt	Covered by WAC 296-127-018	
47. Fiber fabrics		X
48. Electrical wiring/components		X
49. treated or untreated timber pile		X
50. Girder pads (elastomeric bearing)	X	
51. Standard Dimension lumber		X
52. Irrigation components		X

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

Prefabricated items specifically produced for public works projects that are prefabricated in a county other than the county wherein the public works project is to be completed, the wage for the offsite prefabrication shall be the applicable prevailing wage for the county in which the actual prefabrication takes place.

It is the manufacturer of the prefabricated product to verify that the correct county wage rates are applied to work they perform.

See RCW [39.12.010](#)

(The definition of "locality" in RCW [39.12.010](#)(2) contains the phrase "wherein the physical work is being performed." The department interprets this phrase to mean the actual work site.

WSDOT's List of State Occupations not applicable to Heavy and Highway Construction Projects

This project is subject to the state hourly minimum rates for wages and fringe benefits in the contract provisions, as provided by the state Department of Labor and Industries.

The following list of occupations, is comprised of those occupations that are not normally used in the construction of heavy and highway projects.

When considering job classifications for use and / or payment when bidding on, or building heavy and highway construction projects for, or administered by WSDOT, these Occupations will be excepted from the included "Washington State Prevailing Wage Rates For Public Work Contracts" documents.

- Building Service Employees
- Electrical Fixture Maintenance Workers
- Electricians - Motor Shop
- Heating Equipment Mechanics
- Industrial Engine and Machine Mechanics
- Industrial Power Vacuum Cleaners
- Inspection, Cleaning, Sealing of Water Systems by Remote Control
- Laborers - Underground Sewer & Water
- Machinists (Hydroelectric Site Work)
- Modular Buildings
- Playground & Park Equipment Installers
- Power Equipment Operators - Underground Sewer & Water
- Residential *** ALL ASSOCIATED RATES ***
- Sign Makers and Installers (Non-Electrical)
- Sign Makers and Installers (Electrical)
- Stage Rigging Mechanics (Non Structural)

The following occupations may be used only as outlined in the preceding text concerning "WSDOT's list for Suppliers - Manufacturers - Fabricators"

- Fabricated Precast Concrete Products
- Metal Fabrication (In Shop)

Definitions for the Scope of Work for prevailing wages may be found at the Washington State Department of Labor and Industries web site and in WAC Chapter 296-127.

**Washington State Department of Labor and Industries
Policy Statements
(Regarding Production and Delivery of Gravel, Concrete, Asphalt, etc.)**

WAC 296-127-018 Agency filings affecting this section

Coverage and exemptions of workers involved in the production and delivery of gravel, concrete, asphalt, or similar materials.

(1) The materials covered under this section include but are not limited to: Sand, gravel, crushed rock, concrete, asphalt, or other similar materials.

(2) All workers, regardless of by whom employed, are subject to the provisions of chapter 39.12 RCW when they perform any or all of the following functions:

(a) They deliver or discharge any of the above-listed materials to a public works project site:

(i) At one or more point(s) directly upon the location where the material will be incorporated into the project; or

(ii) At multiple points at the project; or

(iii) Adjacent to the location and coordinated with the incorporation of those materials.

(b) They wait at or near a public works project site to perform any tasks subject to this section of the rule.

(c) They remove any materials from a public works construction site pursuant to contract requirements or specifications (e.g., excavated materials, materials from demolished structures, clean-up materials, etc.).

(d) They work in a materials production facility (e.g., batch plant, borrow pit, rock quarry, etc.) which is established for a public works project for the specific, but not necessarily exclusive, purpose of supplying materials for the project.

(e) They deliver concrete to a public works site regardless of the method of incorporation.

(f) They assist or participate in the incorporation of any materials into the public works project.

(3) All travel time that relates to the work covered under subsection (2) of this section requires the payment of prevailing wages. Travel time includes time spent waiting to load, loading, transporting, waiting to unload, and delivering materials. Travel time would include all time spent in travel in support of a public works project whether the vehicle is empty or full. For example, travel time spent returning to a supply source to obtain another load of material for use on a public works site or returning to the public works site to obtain another load of excavated material is time spent in travel that is subject to prevailing wage. Travel to a supply source, including travel from a public works site, to obtain materials for use on a private project would not be travel subject to the prevailing wage.

(4) Workers are not subject to the provisions of chapter 39.12 RCW when they deliver materials to a stockpile.

(a) A "stockpile" is defined as materials delivered to a pile located away from the site of incorporation such that the stockpiled materials must be physically moved from the stockpile and transported to another location on the project site in order to be incorporated into the project.

(b) A stockpile does not include any of the functions described in subsection (2)(a) through (f) of this section; nor does a stockpile include materials delivered or distributed to multiple locations upon the project site; nor does a stockpile include materials dumped at the place of incorporation, or adjacent to the location and coordinated with the incorporation.

(5) The applicable prevailing wage rate shall be determined by the locality in which the work is performed. Workers subject to subsection (2)(d) of this section, who produce such materials at an off-site facility shall be paid the applicable prevailing wage rates for the county in which the off-site facility is located. Workers subject to subsection (2) of this section, who deliver such materials to a public works project site shall be paid the applicable prevailing wage rates for the county in which the public works project is located.

[Statutory Authority: Chapter 39.12 RCW, RCW 43.22.051 and 43.22.270. 08-24-101, § 296-127-018, filed 12/2/08, effective 1/2/09. Statutory Authority: Chapters 39.04 and 39.12 RCW and RCW 43.22.270. 92-01-104 and 92-08-101, § 296-127-018, filed 12/18/91 and 4/1/92, effective 8/31/92.]

Benefit Code Key – Effective 3/3/2021 thru 8/31/2021

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.
- 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.
- 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.
- M. This code appears to be missing. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.
- O. All hours worked on Sundays and holidays shall be paid at one and one-half times the hourly rate of wage.
- 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.

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.

- 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.

Overtime Codes Continued

4. 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.

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.

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.

Overtime Codes Continued

4. 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.
- 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.
- 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.
- 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.

Overtime Codes Continued

4. 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.

- 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.

- Z. 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. Work performed on Sundays may be paid at double time. All hours worked on holidays shall be paid at double the hourly rate of wage.

11. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

- A. The first ten (10) hours worked on Saturday and all hours worked on holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked over twelve (12) hours Monday through Saturday, and all hours worked on Sundays shall be paid at double the hourly rate of wage.

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

Benefit Code Key – Effective 3/3/2021 thru 8/31/2021

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).
- 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).
- 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. 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).

Holiday Codes Continued

- T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).
- Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.
- 7. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any Holiday Which Falls On A Sunday Shall Be Observed As A Holiday On The Following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.
- B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- C. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.
- 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.

Holiday Codes Continued

7. 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.
- 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.
- 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.
- 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.
- 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.

Holiday Codes Continued

7. G. New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, the last scheduled workday before Christmas, and Christmas Day (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.
- 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.
- 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.
- 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.
- 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.
- 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.

Benefit Code Key – Effective 3/3/2021 thru 8/31/2021

Holiday Codes Continued

7. 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.
15. F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the last scheduled workday before Christmas, and Christmas Day (8). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.
- G. New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, the last scheduled workday before Christmas, and Christmas Day (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.

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.
- 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.

Note Codes Continued

8. 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.
- 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.

Note Codes Continued

8. 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.)

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.

Note Codes Continued

- 9. 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.

- F. Industrial Painter wages are required for painting within industrial facilities such as treatment plants, pipelines, towers, dams, 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.

APPENDIX B

BID PROPOSAL DOCUMENTS

INCLUDING:

Notice to Contractor

Proposal Form

Non-Collusion Declaration

Proposal Signature Page

Certification of Compliance with Wage Payment Statutes



Lewis County Department of Public Works

Josh Metcalf, PE, Director

Tim Fife, PE, County Engineer

NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN that the Board of County Commissioners of Lewis County or designee, will open sealed proposals and publicly read them aloud on or after 12:15 p.m. on **Thursday, August 12, 2021**, at the Lewis County Courthouse, Chehalis, Washington, for the Cowlitz River Public Access Point Project – CMP 15-1606. This contract provides for the improvement of *** Lewis County property adjacent to the Cowlitz River at Alta Drive MP 0.05 by clearing & grubbing, excavation, installing a precast concrete vault double toilet, constructing a gravel access road/parking lot with retaining wall, constructing a gravel walking trail & log stringer walk bridge, stormwater infiltration pond construction, planting mitigation, hydroseeding, interpretive sign & bird nesting box installation *** and other work, all in accordance with these Contract Provisions, and the Standard Specifications.

SEALED BIDS MUST BE DELIVERED BY OR BEFORE 12:15 P.M. on Thursday, August 12, 2021

(Lewis County official time is displayed on Axxess Intertel phones in the office of the Board of County Commissioners.
Bids submitted after 12:15 PM will not be considered for this project.)

Sealed proposals must be delivered to the Clerk of the Board of Lewis County Commissioners (351 N.W. North Street, Room 210, CMS-01, Chehalis, Washington 98532), by or before **12:15 P.M.** on the date specified for opening, and in an envelope clearly marked: **“SEALED BID FOR THE COWLITZ RIVER PUBLIC ACCESS POINT PROJECT, CMP 15-1606, TO BE OPENED ON OR AFTER 12:15 P.M. ON THURSDAY, AUGUST 12, 2021.**

All bid proposals shall be accompanied by a bid proposal deposit in cash, certified check, cashier's check or surety bond in an amount equal to five percent (5%) of the amount of such bid proposal. Should the successful bidder fail to enter into such contract and furnish satisfactory performance bond within the time stated in the specifications, the bid proposal deposit shall be forfeited to the Lewis County Public Works Department.

Informational copies of maps, plans and specifications are on file for inspection in the office of the County Engineer of Lewis County in Chehalis, Washington. The contract documents may be viewed and downloaded from Lewis County's Web Site @ www.lewiscountywa.gov/ or you may call the Lewis County Engineers office @ (360)740-2612 and request a copy be mailed to you. All Contractor questions and Lewis County clarifying answers will be posted on our website and emailed to all Contractors registered on Lewis County's Planholder List. Plan or specification changes shall be accomplished through official project addendums.

The Lewis County Public Works Department 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, or national origin, or sex in consideration for an award.

PROPOSAL

TO: LEWIS COUNTY BOARD OF COUNTY COMMISSIONERS
CHEHALIS, WASHINGTON 98532

This certifies that the undersigned has examined the location of the COWLITZ RIVER PUBLIC ACCESS POINT PROJECT, in Lewis County, Washington, and that the plans, specifications and contract governing the work embraced in these improvements, 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 schedules of rates and prices:

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.

ITEM NO.	PLAN QUANTITY	ITEM DESCRIPTION	UNIT PRICE		AMOUNT	
			DOLLARS	CENTS	DOLLARS	CENTS
1	1 L.S.	MOBILIZATION	LUMP SUM		\$	
2	1 L.S.	CLEARING AND GRUBBING	LUMP SUM		\$	
3	1 L.S.	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM		\$	
4	2,550 C.Y.	ROADWAY EXCAVATION INCL. HAUL	\$		\$	
5	175 C.Y.	GRAVEL BORROW FOR STRUCTURAL EARTH WALL INCL. HAUL	\$		\$	
6	35 L.F.	SCHEDULE A CULV. PIPE 12 IN. DIAM.	\$		\$	
7	60 L.F.	SCHEDULE A CULV. PIPE 18 IN. DIAM.	\$		\$	
8	1 L.S.	LOG STRINGER FOOT BRIDGE	LUMP SUM		\$	
9	1 L.S.	PRECAST CONCRETE DOUBLE VAULT TOILET	LUMP SUM		\$	
10	1,416 S.F.	GRAVITY BLOCK WALL	\$		\$	
11	1 L.S.	OIL/WATER SEPARATOR	LUMP SUM		\$	
12	2,500 TON	CRUSHED SURFACING BASE COURSE	\$		\$	
13	1,110 TON	CRUSHED SURFACING TOP COURSE	\$		\$	
14	7 DAYS	ESC LEAD	\$		\$	
15	0.3 ACRE	SEEDING AND MULCHING	\$		\$	
16	1 L.S.	MITIGATION PLANTING	LUMP SUM		\$	
17	1,065 L.F.	HIGH VISIBILITY FENCE	\$		\$	
18	300 L.F.	WATTLE	\$		\$	
19	1 L.S.	PERMANENT SIGNING	LUMP SUM		\$	
20	18 EACH	NESTING BOX INSTALLATION	\$		\$	
21	5 EACH	BOLLARD TYPE I	\$		\$	
22	1 EACH	ACCESS CONTROL GATE	\$		\$	
23	0 EST.	REIMBURSEMENT FOR THIRD PARTY DAMAGE	ESTIMATED		\$0.00	
24	1 CALC.	MINOR CHANGE	CALCULATED		\$25,000.00	
25	1 L.S.	SPILL PREVENTION CONTROL AND COUNTERMEASURES PLAN	LUMP SUM		\$	
			TOTAL BID		\$	

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, participation in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the project for which this proposal is submitted.
2. **That by signing the signature page of this proposal, I am deemed to have signed and have agreed to the provisions of this declaration.**

NOTICE TO ALL BIDDERS

To report bid rigging activities

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, bid 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.

DOT Form 272-036H
Revised 10/94

PROPOSAL - SIGNATURE PAGE

The bidder is hereby advised that by signature of this proposal he/she is deemed to have acknowledged all requirements and signed all certificates contained herein.

A proposal guaranty in an amount of five percent (5%) of the total bid, based upon the approximate estimate of quantities at the above prices and in the form as indicated below, is attached hereto:

CASH IN THE AMOUNT OF _____

CASHIER'S CHECK _____ DOLLARS

CERTIFIED CHECK (\$_____) PAYABLE TO THE LEWIS COUNTY TREASURER

PROPOSAL BOND IN THE AMOUNT OF 5% OF THE BID

** Receipt is hereby acknowledged of addendum(s) No.(s) _____, _____, _____, & _____

SIGNATURE OF AUTHORIZED OFFICIAL(S)

Proposal Must be Signed

Firm Name

Address

State of Washington Contractor's License No.

Unified Business Identifier (U.B.I.) No.

Telephone No.

Federal ID No.

Note:

This proposal form is not transferable and any alteration of the firm's name entered hereon without prior permission from the Lewis County Engineer will be cause for considering the proposal irregular and subsequent rejection of the bid.

*Attach Power of Attorney



Lewis County Department of Public Works

Josh Metcalf, PE, Director

Tim Fife, PE, County Engineer

Certification of Compliance with Wage Payment Statutes

The bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date (_____), 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 C

CONTRACT DOCUMENTS

INCLUDING:

Contract Form

Contract Bond

Power Equipment List

CONTRACT

THIS AGREEMENT, made and entered into this ___ day of _____, 2021, between the BOARD OF COUNTY COMMISSIONERS of LEWIS COUNTY, State of Washington, acting under and by virtue of RCW 36.77.040, hereinafter called

the Board, and _____ of _____

for ___sel___, heirs, executors, administrators, successors and assigns, hereinafter called the Contractor.

WITNESSETH:

That in consideration of the payments, covenants and agreements hereinafter mentioned to be made and performed by the parties hereto, the parties hereto covenant and agree as follows:

DESCRIPTION OF WORK:

1. The Contractor shall do all work and furnish all material necessary for the improvement of Lewis County property adjacent to the Cowlitz River at Alta Drive MP 0.05 by clearing & grubbing, excavation, installing a precast concrete vault double toilet, constructing a gravel access road/parking lot with retaining wall, constructing a gravel walking trail & log stringer walk bridge, stormwater infiltration pond construction, planting mitigation, hydroseeding, interpretive sign & bird nesting box installation and other work all in Lewis County Washington, in accordance with and as described in the attached plans and specifications, and in full compliance with the terms, conditions and stipulations herein set forth and attached, now referred to and by such reference incorporated herein and made a part hereof as fully for all purposes as if here set forth at length, and shall perform any alterations in or additions to the work covered by this contract and every part thereof and any extra work which may be ordered as provided in this contract and every part thereof.

The Contractor shall provide and be at the expense of all materials, labor, carriage, tools, implements and conveniences and things of every description that may be requisite for the transfer of materials and for constructing and completing the work provided for in this contract and every part thereof.

2. The County hereby promises and agrees with the Contractor to hire and does hire the Contractor to provide the materials and to do and cause to be done the above described work and to complete and furnish 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 schedule of unit or itemized prices at the time and in the manner and upon the conditions provided for in this contract and every part thereof. The County further agrees to hire the contractor to perform any alterations in or conditions to the work covered by this contract and every part thereof and any force account work that may be ordered and to pay for the same under the terms of this contract and the attached plans and specifications.

3. The Contractor for himself, and for his heirs, executors, administrators, successors and assigns, does hereby agree to the full performance of all the covenants herein contained upon the part of the Contractor.

4. It is further provided that no liability shall attach to the County by reason of entering into this contract, except as expressly provided herein.

Contract - 1

5. CANCELLATION OF CONTRACT FOR VIOLATION OF STATE POLICY

This contract, pursuant to RCW 49.28.040 to RCW 49.28.060, may be canceled by the officers or agents of the Owner authorized to contract for or supervise the execution of such work, in case such work is not performed in accordance with the policy of the State of Washington.

6. DOCUMENTS COMPRISING CONTRACT

All documents hereto attached, including but not being limited to the advertisement for bids, information for bidders, bid proposal form, general conditions (if any), special conditions (if any), complete specifications and the complete plans, are hereby made a part of this contract.

IN WITNESS WHEREOF, the said Contractor has executed this instrument, and the said Board of County Commissioners of aforesaid County, pursuant to resolution duly adopted, has caused this instrument to be executed by and in the name of said Board by its Chairman, duly attested by its Clerk, the day and year first above written, and the seal of said Board to be hereunto affixed on the date in this instrument first above written.

By: _____

Contractor

Performance of foregoing contract assured in accordance with the terms of the accompanying bond.

Dated: _____, 2021

By: _____

Surety

By: _____

Attorney-in-fact

APPROVED AS TO FORM:

JONATHAN L. MEYER, Prosecuting Attorney

By: _____

Civil Deputy

APPROVED:

County Engineer

Contract – 2

**CONTRACT BOND FOR
LEWIS COUNTY, WASHINGTON**

Bond No. _____

WE, _____ d/b/a _____
(Insert legal name of Contractor) (Insert trade name of Contractor, if any)

(hereinafter "Principal"), and _____ (hereinafter "Surety"), are held and firmly bound unto **LEWIS COUNTY, WASHINGTON** (hereinafter "County"), as Obligee, in an amount (in lawful money of the United States of America) equal to the total compensation and expense reimbursement payable to Principal for satisfactory completion of Principal's work under Contract No. CMP 15-1606, between Principal and County, which total is *initially* _____ Dollars (\$ _____), for the payment of which sum

Principal and Surety bind themselves, their executors, administrators, legal representatives, successors and assigns, jointly and severally, firmly by these presents. Said contract (hereinafter referred to as "the Contract") is for the Cowlitz River Public Access Point Project, and is made a part hereof by this reference. The Contract includes the original agreement as well as all documents attached thereto or made a part thereof and amendments, change orders, and any other document modifying, adding to or deleting from said Contract any portion thereof.

This Bond is executed in accordance with the laws of the State of Washington, and is subject to all provisions thereof and the ordinances of County insofar as they are not in conflict therewith, and is entered into for the use and benefit of County, and all laborers, mechanics, subcontractors, and materialmen, and all persons who supply such person or persons, or subcontractors, with provisions or supplies for the carrying on of the work covered by Contract No. CMP 15-1606, between the below-named Contractor and County for the Cowlitz River Public Access Point Project, a copy of which Contract, by this reference is made a part hereof and is hereinafter referred to as "the Contract." (The Contract as defined herein includes the aforesaid agreement together with all of the Contract documents including addenda, exhibits, attachments, modifications, alterations, and additions thereto, deletions therefrom, amendments and any other document or provision attached to or incorporated into the Contract)

THE CONDITION OF THIS OBLIGATION is such that if Contractor shall promptly and faithfully perform the Contract, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

THE PARTIES FURTHER ACKNOWLEDGE & AGREE AS FOLLOWS:

- (1) Surety hereby consents to, and waives notice of, any alteration, change order, or other modification of the Contract and any extension of time made by County, except that any single or cumulative change order amounting to more than twenty-five percent (25%) of the penal sum of this bond shall require Surety's written consent.
- (2) Surety recognizes that the Contract includes provisions for additions, deletions, and modifications to the work or Contract Time and the amounts payable to Contractor. Subject to the limitations contained in paragraph (1) above, no such change or any combination thereof, shall void or impair Surety's obligation hereunder.
- (3) Surety is subject to the provisions contained in Section 1-03.4, "Contract Bond," of the Washington State Department of Transportation (WSDOT) Standard Specifications for Road, Bridge, and Municipal Construction. And such provisions are incorporated by reference. A copy may be viewed at WSDOT's website www.wsdot.wa.gov/fasc/EngineeringPublications/Manuals/.
- (4) Whenever County has declared Contractor to be in default and County has given Surety written notice of such declaration, Surety shall promptly (in no event more than thirty [30] days following receipt of such notice), specify, in written notice to County, which of the following actions Surety intends to take to remedy such default, and thereafter shall:
 - (a) Remedy the default within fifteen (15) days after its notice to County, as stated in such notice; or
 - (b) Assume within fifteen (15) days following its notice to County, full responsibility for the completion of the Contract in accordance with all of its provisions, as stated in such notice, and become entitled to payment of the balance of the Contract sum as provided in the Contract; or
 - (c) Pay County upon completion of the Contract, in cash, the cost of completion together with all other reasonable costs and expenses incurred by County as a result of Contractor's default, including but not limited to those incurred by County to mitigate its losses, which may include but are not limited to attorneys' fees and the cost of efforts to complete the work prior to Surety's exercising any option available to it under this Bond; or
 - (d) Obtain a bid or bids for completing the Contract in accordance with its terms and conditions, and upon a determination by County and Surety jointly of the lowest responsible bidder, arrange for one or more agreements between such bidder and County, and make available as work progresses (even though there is a default or a succession of defaults under such agreement(s) for completion arranged for under this paragraph) sufficient funds to pay the cost of completion less the balance of the Contract price, but not exceeding, including other costs and damages for which Surety may be liable hereunder, the penal sum of this Bond. The term "balance of the Contract price," as used in this paragraph, shall mean the total amount payable by County to Contractor under the Contract, less the amount properly paid by County to Contractor.

APPENDIX D

INCLUDING:

Oldcastle Infastructure® DVS-48S Dual Vortex Separator Specifications

CXT Precast Products Double Cascadian with Chase Specifications

State of Alaska Department of Natural Resources – Double Gate

State of Alaska Department of Natural Resources – Kiosk Type A

State of Alaska Department of Natural Resources – Interpretive Sign, Type C

Chain Link fence with Eye Bolts (WSDOT Plan Ref. No. FS-1.1)



DUAL-VORTEX SEPARATOR

Submittal Package

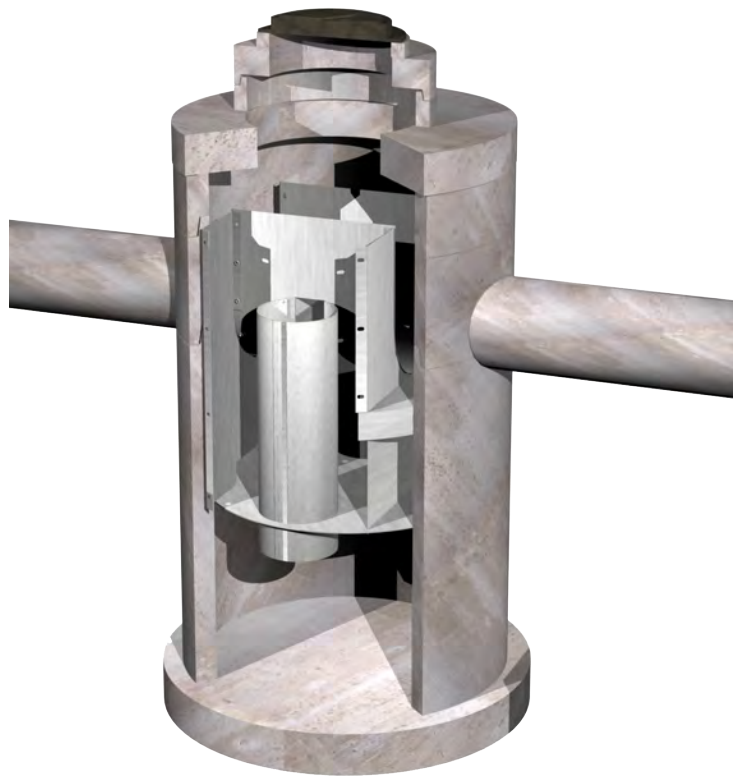


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1 - Submittal Drawing

2 - Features & Benefits

3 - Product Specifications

4 - Inspection & Maintenance

SECTION 1

Submittal Drawing

SECTION 2

Features & Benefits



STORM CYCLONIC WATER Separation

Enhanced Gravity Separation of Stormwater Pollutants in a Compact Configuration

Dual-Vortex Efficiency

Particle settling is enhanced by circular flow patterns and a highly circuitous flow path created by two independent vortex cylinders.

Settled particles are collected in the isolated bottom storage area, while floating trash, debris and petroleum hydrocarbons are retained in the cylinders and upper storage areas.

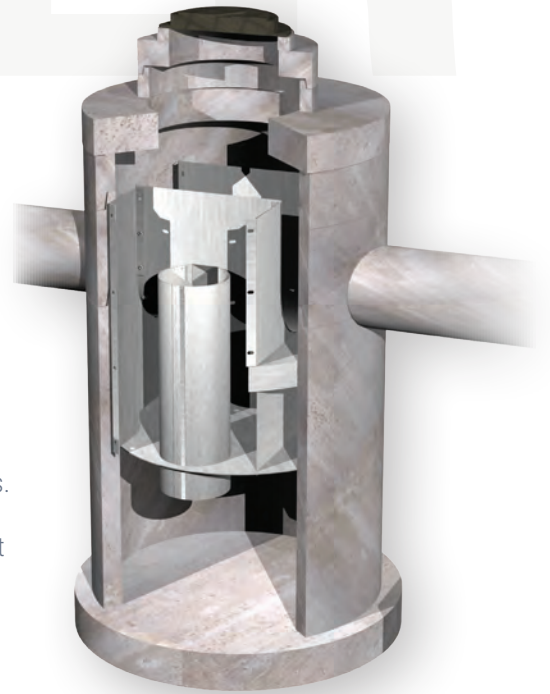
During peak events, flows in excess of design treatment overtop the bypass weir and exit the system without entering the cylinders and lower storage area, thereby eliminating re-entrainment issues.

FEATURES:

- Maintenance Accessible Design
- Economical Installation
- Access Options
- Online System Capability
- Durable Construction
- Proven Performance
- Treatment Train

BENEFITS:

- Open access to accumulated floatables and sediment storage area
- Prepackaged and provided as compact round or square manholes
- Multiple access options (manhole cover or optional hinged lid)
- Internal high-flow bypass weir system provides for online or offline configurations
- Stainless-steel components installed in a reinforced concrete structure
- Third party tested and certified
- Can be installed upstream of infiltration, detention and retention systems or other treatment BMP's



Dual-Vortex Separator Offers an Innovative, Economical Alternative for Removal of Suspended Pollutants from Stormwater Runoff

How it Works

STEP 1

Independent Vortex Cylinders & Control Weir - Flows are directed to the two independent vortex cylinders where particle settling is enhanced by circular flow patterns.

STEP 2

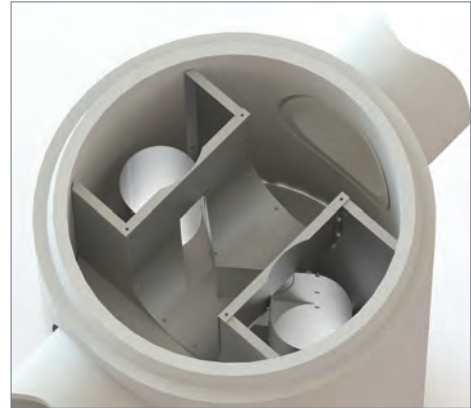
Captured Floatables - Floating trash, debris and petroleum hydrocarbons accumulate at the top of the two cylinders where they are held until transfer into the upper storage area by peak storm events.

STEP 3

Removal of Total Suspended Solids (TSS) - Particle settling is enhanced by the circular flow patterns and a highly circuitous flow path created by two independent vortex cylinders. Sediments are collected and retained in the isolated bottom storage area.

STEP 4

High-Flow Bypass - Flows in excess of the design treatment overtop the bypass weir and exit the system without entering the cylinders and re-entraining captured pollutants.



MODELS AND NOMINAL DIMENSIONS

Model No.	Structure Diameter (ft.)	Standard Sump Depth* (ft.)	Minimum Rim to Invert Depth (ft.)	Sediment Storage* (cubic feet)	Oil and Floatable Storage (cubic feet)	NJCAT Treatment Flow Rate (cfs)	Maximum Treatment Flow Rate (cfs)
DVS-36	3	4.5	2.5	11	6	0.56	0.56
DVS-48	4	5.0	3.0	19	15	1.00	1.25
DVS-60	5	5.5	3.5	29	29	1.56	2.50
DVS-72	6	6.5	4.5	42	49	2.25	4.25
DVS-84	7	7.0	5.0	58	79	3.06	6.50
DVS-96	8	8.0	5.5	75	116	4.00	9.50
DVS-120	10	10.0	7.0	118	226	6.25	16.80
DVS-144	12	11.5	8.0	170	388	9.00	26.40

*Depth of unit can be increased to add storage capacity.

Available Options

Square configurations accept multiple inlet pipes or meet other special site conditions.
 Flume inlet control for grated inlet applications.



SECTION 3

Product Specifications

PART 1 — GENERAL

1.1 Section Includes

- A. Dual Vortex Separator (DVS) – vortex hydrodynamic separator for stormwater treatment.

1.2 Related Sections

- A. Section 01 33 00 – Submittals: Shop Drawings, Product Data, and Samples
- B. Section 02 30 00 – Earthwork: Excavation, Trenching, Backfill, and Compaction.
- C. Section 31 25 00 – Erosion and Sedimentation Controls

1.3 References

- A. American Association of State Highway and Transportation Officials (AASHTO)
 - 1. AASHTO M105 – Standard Specification for Gray Iron Castings
- B. American Society for Testing and Materials (ASTM)
 - 1. ASTM A48, CL.30B – Standard Specification for Gray Iron Castings
 - 2. ASTM A82 – Standard Specification for Steel Wire, Plain, for Concrete Reinforcement
 - 3. ASTM A185 – Standard Specification for Welded Steel Wire Fabric for Concrete Reinforcement
 - 4. ASTM A240 – Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications
 - 5. ASTM A496 – Standard Specification for Deformed Steel Wire for Concrete Reinforcement
 - 6. ASTM A497 – Standard Specification for Steel Welded Wire Reinforcement, Deformed, for Concrete
 - 7. ASTM A615 – Standard Specification for Deformed and Plain, Carbon-Steel Bars for Concrete Reinforcement
 - 8. ASTM B209 – Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate
 - 9. ASTM C32 – Standard Specification for Sewer and Manhole Brick (Made from Clay or Shale)
 - 10. ASTM C33 – Standard Specification for Concrete Aggregates
 - 11. ASTM C139 – Standard Specification for Concrete Masonry Units for Construction of Catch Basins and Manholes

12. ASTM C150 – Standard Specification for Portland Cement
13. ASTM C478 – Standard Specification for Circular Precast Reinforced Concrete Manhole Sections
14. ASTM C595 – Standard Specification for Blended Hydraulic Cements
15. ASTM C890 – Standard Practice for Minimum Structural Design Loading for Monolithic or Sectional Precast Concrete Water and Wastewater Structures
16. ASTM C891 – Standard Practice for Installation of Underground Precast Concrete Utility Structures
17. ASTM C913 – Standard Specification for Precast Concrete Water and Wastewater Structures
18. ASTM C990 – Standard Specification for Joints for Concrete Pipe, Manholes, and Precast Box Sections Using Preformed Flexible Joint Sealants
19. ASTM C1107 – Standard Specification for Packaged Dry, Hydraulic Cement Grout (Non-Shrink)
20. ASTM C1227 – Standard Specification for Precast Concrete Septic Tanks
21. ASTM C1244 – Standard Test Method for Concrete Sewer Manholes by the Negative Air Pressure (Vacuum) Test Prior to Backfill
22. ASTM D698 – Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort

C. Definitions:

1. BMP: Best Management Practices
2. TSS: Total Suspended Solids

1.4 Submittals

The following shall be submitted by contractor in accordance with Section 01 33 00 Submittal Procedures:

A. Product Data for the Hydrodynamic Separator:

1. Product specifications to include but not limited to specification sheets, brochures, and performance claims.
2. Inspection and maintenance guidelines.
3. Submittal drawings shall be provided and annotated to indicate all materials to be used and applicable material standards, required tests of materials, and all design assumptions for structural analysis. Details of steel reinforcing size and placement shall be submitted if professional

engineering stamp and calculations are required by the customer. It is the responsibility of the project's engineer-of-record to verify that the design assumptions are suitable for the proposed application.

- B. Independent third-party certification or test report demonstrating conformance to applicable local or regional BMP standards before the treatment system is installed for the following, upon request:
 - 1. Removal Efficiency
 - 2. Targeted Pollutants of Concern
 - 3. Hydraulic Capacity
 - 4. Certification of adherence to applicable standard
- C. Products submitted as approved equal must be submitted at least 2 weeks prior to project bid opening and must be approved by project engineer. Submittal for approved equal product must contain a signed letter from an executive officer of the manufacturer stating product is equivalent to all applicable requirements of this specification.

1.5 Quality Assurance

The precast concrete producer shall demonstrate adherence to the standards set forth in the plant Quality Control Manual.

- A. Qualifications, Quality Control and Inspection
 - 1. The precast producer shall maintain a permanent quality control department.
 - 2. The precast concrete producer shall have a quality control program which is audited for compliance annually by persons outside that plant's employee structure.
 - 3. Upon request, the precast concrete producer shall supply a copy of their quality control manual.
- B. Quality Control
 - 1. The precast concrete producer shall perform standard concrete testing and inspection.
 - i. Preplacement Check
 - 1. All non machine-cast products shall be inspected for accuracy prior to placing concrete. Checks shall include, but not be limited to, form condition and cleanliness, form dimensions, joints, release agent, blockouts, inserts and locations, lifting devices, reinforcing steel size, spacing, clearances and proper placement. Machine cast products shall have a minimum 5% of the production checked at random.
 - 2. Preplacement checks shall be documented and initialed by the inspector. A drawing with verifications of the above

criteria can be used as documentation.

ii. Postplacement Check

1. All non machine-cast products shall be inspected for accuracy after the concrete forms have been removed. Checks shall include, but not be limited to, dimensional checks, finishing, insert locations, squareness, honeycombing, cracking, marking, coatings, racking, hole size and location. Postplacement checks may require a corrective action report. Machine cast products shall have a minimum of 5% of production checked at random.
2. Postplacement checks shall be documented and initialed by the inspector. A drawing with verifications of the above criteria can be used as documentation.

2. Copies of the test results and Inspections above shall be available upon request.

1.6 Delivery, Storage, and Handling

- A. All treatment system components shall be delivered to the site and unloaded with handling that conforms to the manufacturer's instructions for reasonable care. Concrete and internal components shall not be rolled or dragged over gravel or rock during handling. The contractor shall take necessary precautions to ensure the method used in lifting or placing the treatment system does not induce stress fatigue in the concrete.

PART 2 — PRODUCTS

2.1 Description

The contractor, and/or a manufacturer selected by the contractor and approved by the Engineer, shall furnish all labor, materials, equipment and incidentals required and install all precast concrete stormwater treatment systems and appurtenances in accordance with the drawings and these specifications. The treatment system is housed in a precast concrete manhole or vault structure. The treatment system shall provide flow partitioned hydrodynamic treatment that removes sediment, free-floating pollutants, and oil particles. The treatment system must include the capability to partition flows, causing treatment flows to be diverted into the treatment chamber. Flows exceeding the treatment capacity of the unit shall divert the bypass flows around the treatment chamber to prevent resuspension and washout of previously trapped pollutants.

2.2 Materials and Design

- A. Concrete for precast stormwater treatment systems shall conform to ASTM A478 or ASTM C890 and C913 and meet the following additional requirements:
 1. In all cases the wall thickness shall be no less than the minimum thickness necessary to sustain HS20-44 (MS18) loading requirements as determined by a Licensed Professional Engineer.
 2. Sections shall have tongue and groove or ship-lap joints with a butyl

mastic sealant conforming to ASTM C990.

3. Cement shall be Type I, II, or III Portland cement conforming to ASTM C150.
4. All sections shall be cured by an approved method. Sections shall not be shipped until the concrete has attained a compressive strength of 4,000 psi (28 MPa) or other designate suitable handling strength.
5. Pipe openings shall be sized to accept pipes of the specified size(s) and material(s), and shall be sealed by the contractor with hydraulic cement conforming to ASTM C595M or ASTM C1107.
6. Aggregates shall conform to ASTM C33, except that the requirement for gradation shall not apply.
7. Reinforcement shall consist of wire conforming to ASTM A82 or A496, of wire mesh conforming to ASTM A185 or A497, or Grade 40 steel bars conforming to ASTM A615.
8. Castings for manhole frames and covers shall be in accordance with ASTM A48, CL.30B and AASHTO M105. The access cover/s shall be designed for HS20-44 traffic loading and shall provide a minimum of 30-inch clear opening.
9. Brick or masonry used to build the manhole frame to grade shall conform to ASTM C32 or ASTM C139 and shall be installed in conformance with all local requirements.
10. Diversion weirs, separation chamber, and oil baffle shall be made from aluminum and/or stainless steel and shall conform to ASTM B209 or ASTM A240
11. All mounting hardware for internal components shall be made of 304SS and shall conform to ASTM A240

2.3 Performance

Each specified stormwater flow based treatment device shall conform to the specifications listed in Table 2.1

Table 2.1 DVS Models, Flow Rates and Capacities.

DVS Model	Diameter or Length/Width (ft)	NJCAT Verified Flow Rate (cfs)	Minimum Sediment Storage Capacity (cu-ft)	Minimum Oil Storage Capacity (cu-ft)
DVS-36	3	0.56	11	5
DVS-48	4	1.00	19	12
DVS-60	5	1.56	29	23
DVS-72	6	2.25	42	37
DVS-84	7	3.06	58	60
DVS-96	8	4.00	75	88
DVS-120	10	6.25	118	184
DVS-144	12	9.00	170	312

Each specified flow-based stormwater treatment system shall be verified by New Jersey Corporation for Advanced Technology (NJCAT) and certified by New Jersey Department of Environmental Protection (NJDEP) according to the 2013 Hydrodynamic Separator Testing Protocol. Each specified flow-based stormwater treatment system shall be capable of removing 50% of the weighted Total Suspended Solids (TSS) load based on a d50 particle size of 47 microns. Annual TSS removal efficiency models shall be based on laboratory performance data, site-specific hydraulics and hydrology, and local rainfall intensity distributions. The stormwater treatment system shall be completely housed within one structure.

2.4 Manufacturer

Each stormwater treatment system shall be a Dual Vortex Separator (DVS) as manufactured by Oldcastle Infrastructure, Inc., 7100 Longe St, Stockton, California 95206. Phone: (800) 579-8819.

PART 3 — EXECUTION

3.1 Survey

- A. The installation area shall be surveyed using the work print and a checklist to identify the work to be done and to determine that the plans are correct.
- B. All underground facilities and structures such as gas, water, sewer, power, telephone cable, and so forth shall be located and identified. Location markings shall be placed by the affected utilities before construction.
- C. The survey shall identify and obstacles such as overhead wires, building structures that will interfere with crane operations, work progress, or create a safety hazard.
- D. The survey shall give consideration to the soil structure so that proper shoring, sloping, or both may be planned in advance of the excavation work.

3.2 Planning

- A. Permits required to do work in accordance with the detail plans shall be secured before starting the job. All permits or a record of the permits shall be retained on the

job for immediate reference.

- B. All utilities and owners of surface and subsurface facilities and structures in the area shall be given advance notification of proposed excavation. Every effort shall be made to avoid damage to the facilities of others. If any damage occurs, the owner of the damaged facility shall be notified immediately.
- C. Planning shall include the coordination of all responsible parties to ensure that arrangements for removal of excess and damaged material have been made.
- D. Should it appear that a structure location will interfere with traffic, review the situation with the engineer and notify appropriate authorities.
- E. Provide for access to call boxes, fire hydrants, etc.

3.3 Safety Requirements

- A. Safety requirements for construction shall be in accordance with all federal, state, and local regulations.

3.4 Excavating

- A. If unforeseen facilities or obstructions are encountered, stop excavation operations immediately. Expose the obstruction with wood handled digging tools and investigate them with caution. If there is any doubt as to the type of obstruction exposed, request positive identification from those suspected of owning the facility and then proceed as circumstances dictate.
- B. Inspect excavations after every rainstorm or other hazard-increasing occurrence, and increase the protection against slides and cave-ins, if necessary.
- C. In dewatering excavations, make certain that the discharge is carried to a suitable runoff point.
- D. Excavation size shall be large enough to allow access around the structure after it is installed.

3.5 Shoring

- A. Shoring for construction shall be in accordance with all federal, state, and local regulations

3.6 Installation

- A. Site Access – The general contractor shall be responsible for providing adequate access to the site to facilitate hauling, storage, and proper handling of the precast concrete units.
- B. Installation – Precast concrete units shall be installed: to the lines and grades shown on the contract documents or otherwise specified; be lifted by suitable lifting devices at points provided by the precast concrete producer; in accordance with applicable industry standards. Upon request, the precast concrete producer shall provide installation instructions. Field modifications to the product shall relieve the precast

producer of liability and warranty regardless if such modifications result in the failure of the precast concrete unit.

- C. Leak Resistance – Where leak resistance is a necessary performance characteristic of the precast concrete unit's end use, joint sealant, pipe-entry connectors and other penetrations shall be sealed according to manufacturer's requirements to ensure the integrity of the system.

3.7 Backfilling and Restoration

- A. Do the backfilling as soon as possible after the structure has been placed.
- B. Backfill material shall be granular and free from large stones, rocks, and pavement. Expansive soil material shall not be used as backfill around the structure.
- C. Backfilling shall be achieved by lifts (layers) to the required compaction.
- D. Follow up inspections for settlements are required. Should settlement occur, the contractor shall be responsible for all necessary repairs.

3.8 Field Quality Control

- A. Job Site Tests – When leak resistance testing is required for a precast concrete structure, one of the following methods may be followed:
 - 1. Vacuum Testing
 - i. Prior to backfill, vacuum test system according to ASTM C1244 for manholes and ASTM C1227 for septic tanks.
 - 2. Hydrostatic Testing
 - i. First Backfill the structure, then fill to the normal water level, let stand for 24 hours. Refill to the original water line and measure the water level change over a 24-hour period. Leak shall not exceed 5% of volume.
- B. Inspection
 - 1. Final field elevations and compaction properties shall be verified and documented.

END OF SECTION

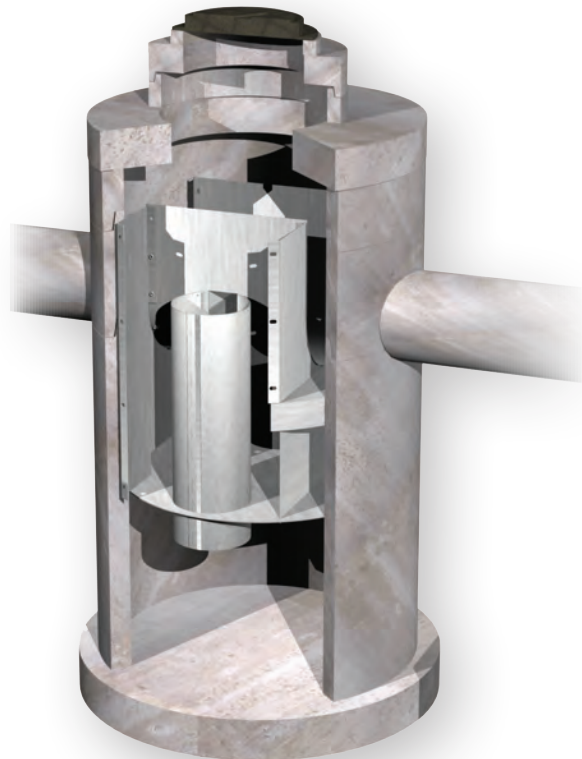
SECTION 4

Inspection & Maintenance



DUAL-VORTEX SEPARATOR

Inspection and Maintenance Guide



Description

The Dual-Vortex Separator (DVS) is a hydrodynamic stormwater treatment device used to remove pollutants from urban runoff. Impervious surfaces and other urban and suburban landscapes generate a variety of contaminants that can enter stormwater and pollute downstream receiving waters. The DVS is designed to capture and retain sediment as well as floating trash, debris and oils. The concentration of metals and other constituents associated with sediment or floating pollutants may also be reduced.

Function

Stormwater runoff enters the DVS unit through an inlet pipe. Influent flow is split evenly between two vortex tubes by a V-shaped weir. The shape and diameter of the vortex tubes promotes circular motion of the incoming stormwater at increased velocities to enhance particle settling through centrifugal force. The system is also designed with an extended flow path to maximize hydraulic residence time which allows increased time to settle out solids. Settled pollutants are collected in an isolated storage area at the bottom of the structure, while floating trash, debris and petroleum hydrocarbons are retained behind baffles that contain the vortex chambers. During peak runoff events, flow in excess of design treatment flow overtops the bypass weir and exits the system without entering the treatment chambers to interrupt the treatment process or re-entrain captured pollutants. Treatment and bypass flows exit the system through an outlet pipe that is plumbed at the same elevation as the inlet pipe.

Configuration

The internal components of the DVS system are fabricated from stainless steel and mounted in a manhole or vault structure. The system is typically delivered as a complete unit for installation by the contractor. Installation includes excavation, preparation of the base rock, setting the unit, plumbing the inlet and outlet piping, backfill and placement of the finished surface at grade. Access to the installed system is allowed through ductile iron casting or hatch covers. The number of access points provided is dependent on the size and configuration of the system.

Maintenance Overview

State and local regulations require all stormwater management systems to be inspected on a regular basis and maintained as necessary to ensure performance and protect downstream receiving waters. Without maintenance, excessive pollutant buildup can limit system performance by reducing the operating capacity and increase the potential for scouring of pollutants during periods of high flow.

Inspection Equipment

The following equipment is helpful when conducting DVS inspections:

- Recording device (pen and paper form, voice recorder, iPad, etc.)
- Suitable clothing (appropriate footwear, gloves, hardhat, safety glasses, etc.)
- Traffic control equipment (cones, barricades, signage, flagging, etc.)
- Manhole hook or pry bar
- Flashlight
- Tape measure
- Measuring stick or sludge sampler
- Long-handled net (optional)
- Replacement sorbent pads

Inspection Procedures

Inspection is essential to consistent system performance and is easily completed. Inspection is typically conducted a minimum of twice per year but since pollutant transport and deposition varies from site to site, a site-specific maintenance frequency should be established during the first two or three years of operation.

DVS inspections are visual and are conducted without entering the unit. To complete an inspection, safety measures including traffic control should be deployed before the access covers are removed. Once the covers have been removed, the following items should be checked and recorded (see form provided on page 5) to determine whether maintenance is required:

- Inspect the internal components and note whether there are any broken or missing parts. In the unlikely event that internal parts are broken or missing, contact Oldcastle Infrastructure at (800) 579-8819 to determine appropriate corrective action.
 - Note whether the inlet or outlet pipe is blocked or obstructed.
 - Observe, quantify and record the accumulation of floating trash and debris in the baffled chambers around the vortex tubes. The significance of accumulated floating trash and debris is a matter of judgement. A long-handled net may be used to retrieve the bulk of trash and debris at the time of inspection if full maintenance due to accumulation of oils or sediment is not yet warranted.
 - Observe, quantify and record the accumulation of oils in the baffled chambers around the vortex tubes. If sorbent pads have been used to absorb free oil and grease, observe and record their condition. Unless the sorbent pads are tethered to the internal baffles, spent pads may be netted and replaced at the time of inspection. The significance of accumulated floating oils is a matter of judgement. However, if there is evidence of an oil or fuel spill, immediate maintenance is warranted.
 - Finally, observe, quantify and record the accumulation of sediment in the sediment storage sump. A calibrated dipstick, tape measure or sludge sampler may be used to determine the amount of accumulated sediment. The depth of sediment may be determined by calculating the difference between the measurement from the rim of the DVS to the top of the accumulated sediment and the measurement from the rim of the DVS to the bottom of the DVS structure. Finding the top of the accumulated sediment takes some practice and a light touch, but increasing resistance as the measuring device is lowered toward the bottom of the unit indicates the top of the accumulated sediment.
-

Maintenance

Maintenance should be scheduled if any of the following conditions are identified during inspection:

- Internal components are broken or missing.
- Inlet or outlet piping is obstructed.
- The accumulation of floating trash and debris that cannot be retrieved with a net and/or oil in the baffled chambers around the vortex tubes is significant.
- Tethered sorbent pads, if used, are dirty or saturated.
- The sediment level in the sediment storage sump is greater than 12 inches. The capacity of the sediment sump is 18 inches of sediment depth for all DVS models. Sediment depths greater than 18 inches will begin to affect the performance of the system.

Maintenance Equipment

The following equipment is helpful when conducting DVS maintenance:

- Suitable clothing (appropriate footwear, gloves, hardhat, safety glasses, etc.)
- Traffic control equipment (cones, barricades, signage, flagging, etc.)
- Manhole hook or pry bar
- Confined space entry equipment, if needed
- Flashlight
- Tape measure
- Sorbent pads
- Vacuum truck

Maintenance Procedures

Maintenance should be conducted during dry weather when no flow is entering the system. All maintenance, except possibly the attachment of sorbent pads (if required), may be conducted without entering the DVS structure. Once safety measures such as traffic control are deployed, the access covers may be removed and the following activities may be conducted to complete maintenance:

- Remove floating trash, debris and oils from the water surface using an extension on the end of the boom hose of the vacuum truck. Continue using the vacuum truck to completely dewater the structure through the vortex tubes and evacuate all accumulated sediment from the sediment sump. Some jetting may be required to fully evacuate sediment from the sump. This is easily achieved by inserting a jet hose through the vortex tube opposite the tube used for vacuum hose access.
 - If sorbent pads are required and are tethered to the structure, only personnel that are OSHA Confined Space Entry trained and certified may enter the structure to remove and replace the spent pads.
 - The structure does not need to be refilled with water after maintenance is complete. The system will fill with water when the next storm event occurs.
 - All material removed from the DVS during maintenance must be disposed of in accordance with local regulations. In most cases, the material may be handled in the same manner as disposal of material removed from sumped catch basins or manholes.
-

Dual-Vortex Separator Inspection and Maintenance Log

DVS Model _____

Inspection Date _____

Location _____

Condition of Internal Components

Notes:

Good Damaged Missing

Inlet or Outlet Blockage or Obstruction

Notes:

Yes No

Floating Trash and Debris

Notes:

Significant Not Significant

Floating Oils

Notes:

Significant Not Significant Spill

Sediment Depth

Notes:

Inches of Sediment: _____

Maintenance Requirements

Yes - Schedule Maintenance No - Schedule Re-Inspection

DUAL-VORTEX SEPARATOR

OUR MARKETS



BUILDING
STRUCTURES



COMMUNICATIONS



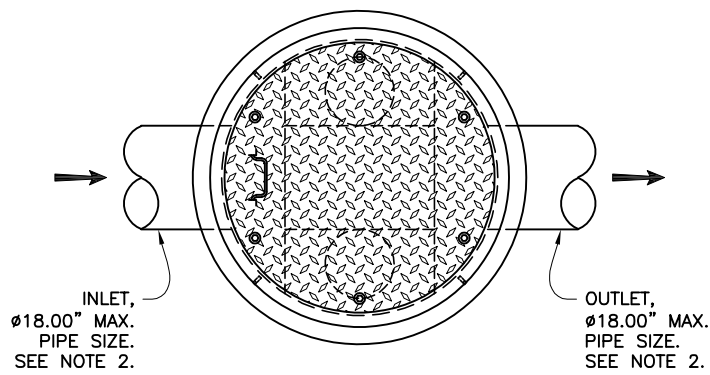
WATER



ENERGY



TRANSPORTATION



PLAN VIEW

$\phi 48.00''$ BOLTED & GASKETED ACCESS COVER, STANDARD. ALTERNATE COVERS & GRATED INLET OPTIONS AVAILABLE. SEE NOTE 3.

RISER AS REQUIRED.

RISER WITH INTERNALS INSTALLED.

INTERNAL COMPONENTS.

BASE.

ISOMETRIC VIEW

SCALE 3/4

$\phi 48.00''$ BOLTED & GASKETED ACCESS COVER, STANDARD. ALTERNATE COVERS & GRATED INLET OPTIONS AVAILABLE. SEE NOTE 3.

CONCRETE COLLAR REQUIRED, BY OTHERS.

3.00' [36.00"] MINIMUM SEE NOTE 4.

24.00" STANDARD HEIGHT INTERNALS

PERMANENT POOL LEVEL

OUTLET, $\phi 18.00''$ MAX. PIPE SIZE. SEE NOTE 2.

5.00' [60.00"] SUMP

6.00" MINIMUM

INLET, $\phi 18.00''$ MAX. PIPE SIZE. SEE NOTE 2.

INTERNAL COMPONENTS

5.00" MINIMUM WALL THICKNESS

$\phi 4.00'$ [48.00"]

$\phi 4.83'$ [58.00"]

ELEVATION VIEW

NOTES:

1. TREATMENT CAPACITY IS DEPENDENT ON LOCAL REGULATORY REQUIREMENTS. BYPASS CAPACITY IS DEPENDENT ON OUTLET PIPE DIAMETER. CONTACT OLDCASTLE INFRASTRUCTURE, INC. FOR PROJECT-SPECIFIC TREATMENT AND BYPASS SIZING RECOMMENDATIONS.
2. STANDARD INLET/OUTLET PIPE CONFIGURATION TO ENTER AND EXIT STRUCTURE AT 180°. SPECIAL ANGLED CONFIGURATIONS AVAILABLE.
3. ACCESS COVER(S) MAY BE FIELD ADJUSTED TO GRADE. INLET GRATES & ALTERNATE COVER OPTIONS ARE AVAILABLE.
4. FOR DEPTHS LESS THAN THE MINIMUM SHOWN CONTACT OLDCASTLE INFRASTRUCTURE, INC.
5. STRUCTURE SHALL MEET AASHTO HS-20-44 DESIGN LOADING. CONCRETE COMPONENTS MANUFACTURED IN ACCORDANCE WITH ASTM C478 AND C497.
6. UPON REQUEST, OLDCASTLE INFRASTRUCTURE, INC. CAN PROVIDE A PROJECT-SPECIFIC DRAWING WITH DETAILED DIMENSIONS, PICK WEIGHTS, AND SPECIALS (AS REQUIRED).

THIS PRODUCT IS PROTECTED BY THE FOLLOWING US PATENT: 7,182,874; RELATED FOREIGN PATENTS, OR OTHER PATENTS PENDING.



Hydrodynamic Separation

DVS-48C
Dual-Vortex Separator
Circular Structure

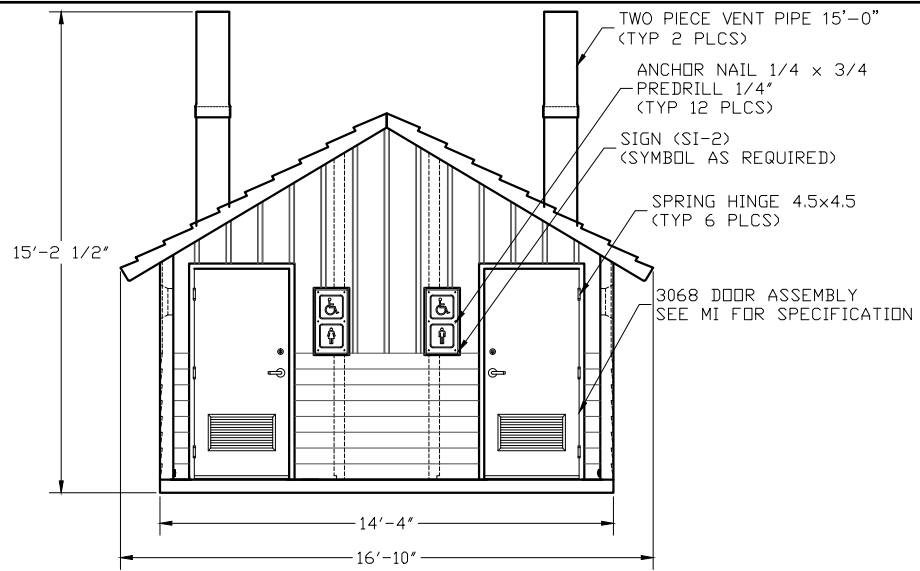


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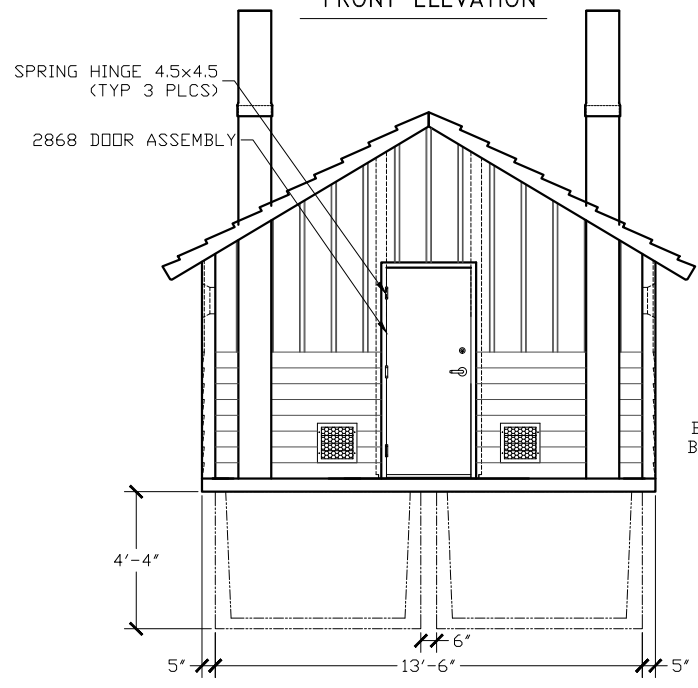
Ph: 800.579.8819 | www.oldcastleinfrastructure.com/stormwater

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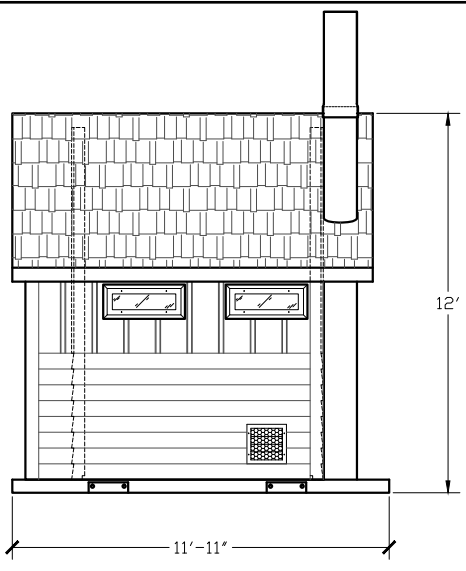
DRAWING NO. DVS-48C	REV E	ECO ECO-0152	DATE JPR 1/10/19	DATE JPR 4/25/11	SHEET 1 OF 1
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FRONT ELEVATION



REAR ELEVATION

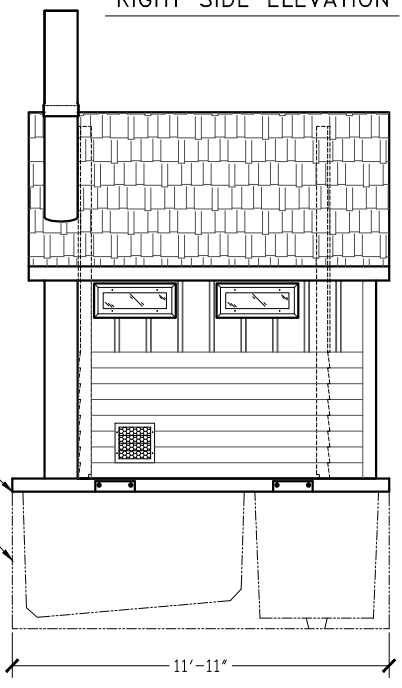


RIGHT SIDE ELEVATION

FOR
REFERENCE
ONLY

BUILDING-TO-VULT CONNECTION:
BUTYL TAPE ADHESIVE SEALANT-
SEE ATTACHED CUT SHEET.

VAULT 1 - TYP 2 PLCS
(SEE DWG #V1-1)



LEFT SIDE ELEVATION

EMBEDDED MATERIALS			
ITEM	QTY	ITEM	QTY
SI-2	2		
VENT PIPE 12'-0"	2		
3068 DOOR ASSEMBLY	2		
2868 DOOR ASSEMBLY	1		
ANCHOR NAIL 1/4x3/4	12		
SPRING HINGE 4.5x4.5	9		
VENT PIPE 3'-0"	2		

CU. FT. CONC.	SO. FT. W.W.F.	APPROXIMATE HEIGHT
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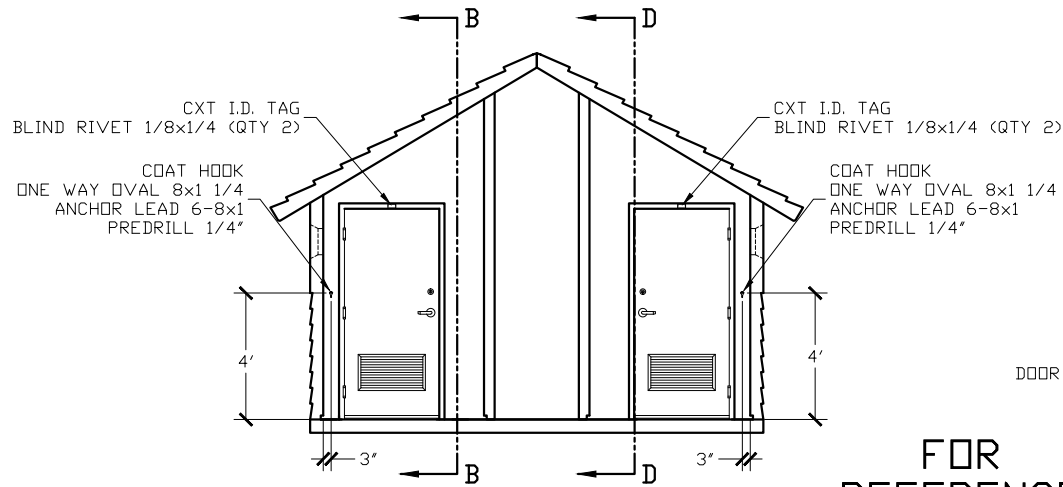
PROJECT TITLE
DOUBLE CASCADIAN with CHASE
CXT STANDARD BUILDING

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CXT Incorporated

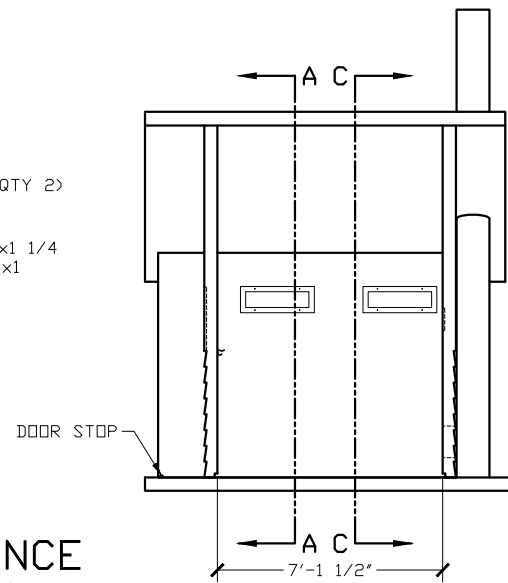
REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4"=1'-0"	DATE	07-19-16
DRAWN		FILE NO.	PD-DCWC02
CHECKED		PLOT	48

BUILDING ELEVATIONS

DWG NO. DCWC-02	SHEET /	REV. /
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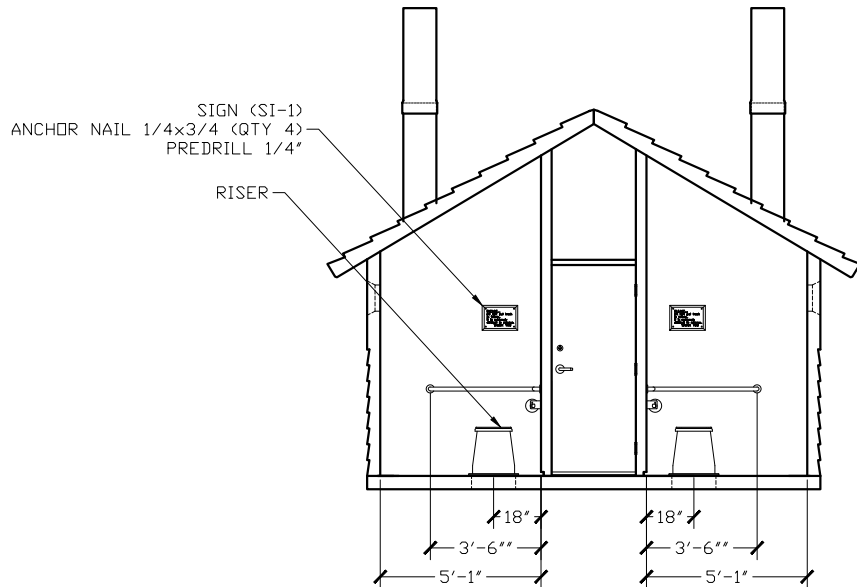


SECTION A - A

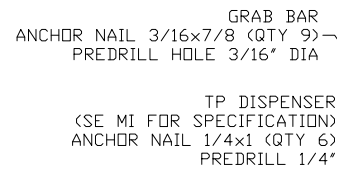


SECTION B - B

FOR
REFERENCE
ONLY



SECTION C - C



SECTION D - D

EMBEDDED MATERIALS			
ITEM	QTY	ITEM	QTY
RISER	2	ONE WAY OVAL 8x1 1/4	4
GRAB BAR	2	ANCHOR LEAD 6-8x1	4
TP DISPENSER	2	BLIND RIVET 1/8x1/4	4
TOILET PAPER ROLL	4-6		
COAT HOOK	2		
DOOR STOP	2		
SI-1	2		
BLIND RIVET 1/8x1/4	4		
CXT I.D. TAG	2		
ANCHOR NAIL 1/4x1	12		
ANCHOR NAIL 1/4x3/4	8		
ANCHOR NAIL 3/16x7/8	18		
CU. FT. CONC.		SQ. FT. W.W.F.	APPROXIMATE WEIGHT

PROJECT TITLE
DOUBLE CASCADIAN with CHASE
CXT STANDARD BUILDING

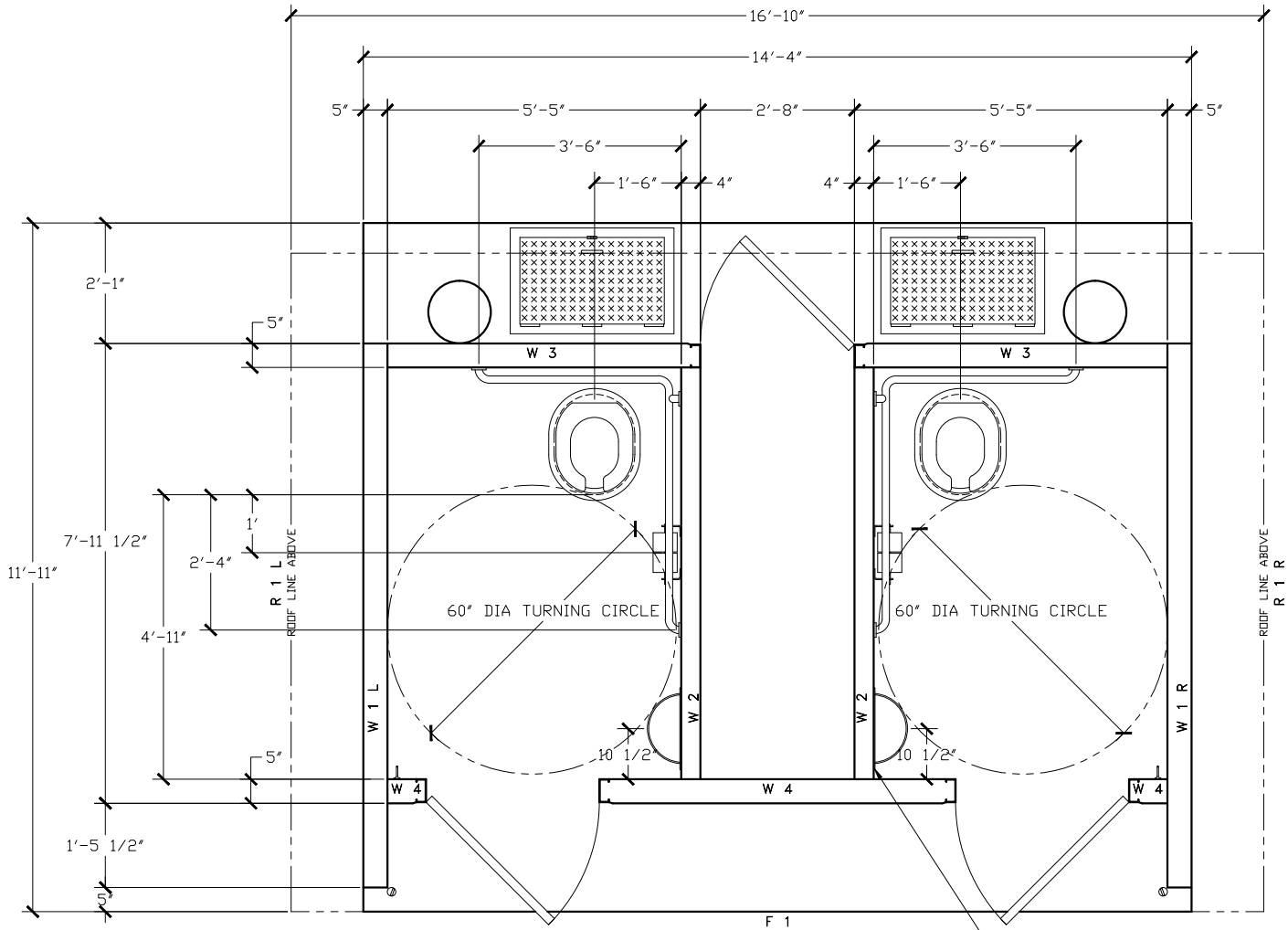
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REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4"=1'-0"	DATE	07-19-16
DRAWN	FILE NO.	PD-DCWC03	
CHECKED	PLOT	48	

INTERIOR ELEVATIONS

DWG NO. DCWC-03

SHEET / REV.



FOR
REFERENCE
ONLY

OPTIONAL WASTE PAPER BASKET
MOUNT BTM 12' OFF FINISHED FLOOR
(SEE MI)



PROJECT TITLE
DOUBLE CASCADIAN with CHASE
CXT STANDARD BUILDING

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CXT Incorporated

REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/2"=1'-0"	DATE	07-19-16
DRAWN	FILE NO.	PD-DCWC04	
CHECKED	PLOT	24	

FLOOR PLAN

DWG NO.	SHEET	REV.
DCWC-04		



SPECIFICATIONS

CASCADIAN BUILDING STYLE

1.0 SCOPE

This specification covers the construction and placing of precast Cascadian toilet buildings as produced by CXT Incorporated.

2.0 SPECIFICATIONS

ASTM C33	Concrete Aggregates
ASTM C39	Method of Test for Compressive Strength of Cylindrical Concrete Specimens
ASTM C94	Standard Specification for Ready-Mixed Concrete
ASTM C143	Method of Test for Slump of Concrete
ASTM C150	Standard Specification for Portland Cement
ASTM C172	Standard Practice for Sampling Freshly Mixed Concrete
ASTM A185	Standard Specification for Steel Welded Wire Reinforcement, Plain, or Concrete
ASTM C192	Method of Making and Curing Test Specimens in the Laboratory
ASTM C231	Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method
ASTM C309	Standard Specifications for Liquid Membrane-Forming Compounds for Curing Concrete
ASTM C494	Standard Specification for Chemical Admixtures for Concrete
ASTM A615	Standard Specification for Deformed and Plain Carbon-Steel bars for Concrete Reinforcement
ASTM C618	Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use in Concrete
ASTM C979	Standard Specification for Pigments for Integrally Colored Concrete
ASTM D1557	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort
ACI 211.1	Standard Practice for Selecting Proportions for Normal, Heavyweight, and Mass Concrete
ACI 306	Cold Weather Concreting
ACI 318	Building Code Requirements Structural Concrete and Commentary (includes Errata)
PCI MNL 116	Quality Control for Plants and Production of Precast Prestressed Concrete Products

3.0 MANUFACTURER CRITERIA

The manufacturer supplying the requested precast concrete vault facility must meet the following:

- A. Manufacturer must be ISO 9001 certified at the time of bid.
- B. Manufacturing plant must be PCI certified at the time of bid.
- C. Manufacturer must not have defaulted on any contract within the last five (5) years.
- D. Manufacturer must provide stamped, engineered drawings prior to acceptance.
- E. Manufacturer must be pre-approved prior to bidding.

- F. Manufacturer must show four (4) examples of Sweet Smelling Technology designed precast concrete vault toilet facilities produced, installed, and in use as an example of their ability to perform on this contract.
- G. Manufacture shall provide a one-year warranty.
- H. UL 752 Bullet Resistance on 4" thick concrete samples.

Manufacturer meeting these criteria is:

CXT Incorporated
6701 E. Flamingo Avenue, Building 300
Nampa, ID 83687
Phone 800-696-5766

4.0 DESIGN CRITERIA

Vault buildings have been designed to individually meet the following criteria. Calculations and engineer's stamped drawings are available, for standard buildings, upon request by the customer and are for their sole and specific use only. The design criteria are to ensure that they not only will withstand the forces of nature listed below but will provide protection from vandalism and other unforeseen hazards. Building will be manufactured using precast concrete including the roof. Building's structural and foundation design will be relevant to the region and properties associated with its final placement. Design will also meet all applicable accessibility and building code requirements. Vault buildings also to meet various structural loads such as below, but not limited to/or restricted by them.

- A. Roof Snow Load
 - 1. Vault buildings are designed to withstand a 350 pounds per square foot snow load.
- B. Floor Load
 - 1. Vault buildings are designed to withstand 400 pounds per square foot floor load.
- C. Wind Load
 - 1. Vault buildings will withstand the effects of 150 miles per hour (3-second gust) wind exposure C.
- D. Earthquake
 - 1. Vault buildings will withstand the effects of a seismic design category E earthquake.
- E. Sweet Smelling Technology (SST)
 - 1. Vault buildings incorporate design aspects of SST as outlined by Briar Cook for the U.S. Forest Service.
 - 2. All wall to floor interior surface seams shall have a minimum 1" radius coving made of high strength grout.
 - 3. The vault shall have a bottom slope of 1" per foot from under the toilet riser out to the outside cleanout area.
 - 4. The vault shall have a 24" diameter (minimum) lightweight manhole cover installed to the rear or side of the building.
 - a. The manhole cover should be raised, with the surrounding concrete sloped away using a minimum slope of 1/2" per foot.
 - 5. The depth of the vault shall be no deeper than 4 1/2' to 5'.

6. A 12" diameter round pipe will be installed to vent the vault and the pipe shall be raised a minimum of 3' above the highest point of the roof.
 - a. Vent pipe shall be straight up from the vault.
 7. There shall be only one vent opening in the building and it shall be placed only on one side of the building (the side that the wind blows against).
- F. Additional Design Standards
1. Single vault buildings are an all concrete design with a minimum 7/12 roof pitch.
 2. Vault buildings shall have a minimum 4" wall, 4½" roof, and 5" floor thickness.
 3. Vault buildings have a one-piece floor unit to prevent panels that migrate in different directions during periods of freeze/thaw stress.
 4. Vault buildings have a one-piece full length and width vault unit to support the building, screen area, and snow loads evenly.

5.0 MATERIALS

- A. Concrete – General
1. The concrete mix design is designed to ACI 211.1 to produce concrete of good workability.
 2. Concrete will contain a minimum of 675 pounds of cementitious material per yard. Cement is a low alkali type I/II or III conforming to ASTM C-150.
 3. Coarse aggregates used in the concrete mix design will conform to ASTM C33 with the designated size of coarse aggregate #67.
 4. Maximum water/cement ratio will not exceed .45.
 5. Air-entraining admixtures will conform to ASTM C260. Water reducing admixtures will conform to ASTM C494, Type A.
 6. If Self Compacting Concrete (SCC) is used, it must conform to ASTM C1611.
- B. Concrete – Colored
1. Color additives will conform to ASTM C979. A 12" x 12" x 1" color sample is available for customer approval.
 2. The following will contain colored concrete:
 - a. Toilet building roof panels.
 - b. Building walls.
 - c. Screen panels.
 3. The same brand and type of color additive are used throughout the manufacturing process.
 4. All ingredients are weighed and the mixing operation are adequate to ensure uniform dispersion of the color.
- C. Concrete – Cold Weather
1. Cold weather concrete placement is in accordance with ACI 306.
 2. Concrete will not be placed if ambient temperature is expected to be below 35°F during the curing period unless heat is readily available to maintain the temperature of the concrete at least 50°F.
 3. Materials containing frost or lumps of frozen materials will not be used.

D. Concrete – Hot Weather

1. The temperature of the concrete will not exceed 90°F at the time of placement. When the ambient reaches 90°F the concrete is protected with moist covering.

E. Concrete Reinforcement

1. All reinforcing steel will conform to ASTM A615. All welded wire fabric will conform to ASTM A185.
2. All reinforcement is new, free of dirt, oil, paint, grease, loose mill scale and loose or thick rust when placed.
3. Details not shown on drawings or specified are to ACI318.
4. Steel reinforcement is centered in the cross-sectional area of the walls and will have at least 1¼" of cover on the under surface of the floor.
5. The maximum allowable variation for center-center spacing of reinforcing steel is ½".
6. Full lengths of reinforcing steel are used when possible. When splices are necessary on long runs, splices are alternated from opposite sides of the components for adjacent steel bars.
 - a. Lap bars under #4 a minimum of 12" bar diameters.
 - b. Lap bars larger than #4 a minimum of 24" bar diameters.
7. Reinforcing bars are bent cold. No bars partially embedded in concrete are field bent unless approved by the customer.

F. Caulking, Grout, Adhesive and Sealer

1. Caulking service temperatures from -40°F to +194°F.
2. Interior and exterior joints are caulked with a paintable polyurethane sealant.
3. Grout is a non-shrink type and are painted to match the color of surrounding concrete as nearly as possible.
4. Cement base coating is formulated with a very fine aggregate system and is a built-in bonding agent.

G. Dead Bolt

1. Certified ANSI/BHMA A156.5-2001 Grade 1.
2. Heavy duty tamper resistant.
3. 2¾" backset.
4. U.S. 26D finish.

H. Doors – Steel

1. Doors are flush panel type 1¾" thick, minimum 16-gauge galvanized steel, top painted with DTM ALKYD.
2. Door frames are knockdown or welded type, single rabbet, minimum 16-gauge prime coated steel top painted with DTM ALKYD, width to suit wall thickness.
3. Three (3) rubber door silencers are provided on latch side of frame.

- I. Door Hinges
 - 1. Three (3) per door with dull chrome plating 4½" x 4½", adjustable tension, and automatic closing for each door.
- J. Doorstop
 - 1. Dome style stop meeting ANSI 156.16.
- K. Door Sweep
 - 1. Provided at the bottom of door with an adjustable brush.
- L. Double Coat Hook
 - 1. 16-gauge (1.5mm), type 304 stainless steel.
 - 2. Formed construction with a satin finish and have ¾" x 7/8" nail in anchor.
 - 3. Upper hook extends at least 2½" from the wall.
 - 4. Lower hook will extend at least 1¼" from the wall.
- M. Grab Bars
 - 1. 18-gauge, type 304 stainless steel with 1½" clearance.
 - 2. Able to withstand 300-pound top loading.
- N. Lockset
 - 1. Meets ANSI A156.2 Series 4000, Grade 1 cylindrical lockset for exterior door.
 - 2. Lever handle both inside and out.
 - 3. Either handle operates latch unless outside handle is locked by inside push-button.
 - 4. Push-button will automatically release when inside lever handle is turned or door is closed.
 - 5. Emergency slot on exterior so door can be unlocked from the outside with a coin, screwdriver, etc.
 - 6. Inside lever always active.
 - 7. U.S. 26D finish.
- O. Paint
 - 1. All paints and materials will conform to all federal specifications or be similar "top-of-the-line-components."
 - 2. Paints will not contain more than .06% by weight of lead.
 - 3. Type of paints for toilets.
 - a. Inside concrete surfaces.
 - i. Interior floors – chemical resistant urethane. The color is gray.
 - ii. Interior walls and ceilings – modified acrylic, water repellent penetrating stain. The color is white followed by a clear acrylic anti-graffiti sealer.
 - b. Exterior concrete surfaces.
 - i. Exterior slab – clear sealer.
 - ii. Exterior walls and roof – water repellent penetrating stain in the same color as the walls or roof followed by a clear acrylic anti-graffiti sealer.
 - c. Metal surfaces (both inside and out).
 - i. DTM ALKYD.

- P. Riser
1. Meets ADA standards.
 2. Molded one-piece HDPE polyethylene.
 3. Smooth surface and have high impact resistance at extremely cold temperatures.
- Q. Sealers and Curing Compounds
1. Curing compounds, if used, are colorless, complying with ASTM C309, type I or 1-D.
 2. Weatherproofing sealer for exterior of building are a clear water repellent penetrating sealer.
- R. Signs
1. Signs to have raised pictograms, letters, and braille to meet ADA.
 2. Interior to have "No Trash in Vault" sign.
 3. All signs inset a minimum of $\frac{3}{4}$ " into wall with 45-degree bevel.
 4. All signs to be anchored into concrete with $\frac{1}{4}$ " x $\frac{3}{4}$ " concrete anchor nails.
- S. Toilet Paper Dispenser
1. Constructed of $\frac{1}{4}$ " thick, type 304 stainless steel.
 2. Holds three (3) standard rolls of toilet paper.
 3. Fastening system able to withstand 300-pound top loading.
- T. Polyethylene Vault Liner
1. Made of a Roto molded 8460 polyethylene.
 2. Holds up to 1,000 gallons of waste or 15,000 uses per vault.
 3. Minimum thickness .100.
 4. Molded dovetail embeds to attach the liner to concrete walls of the vault.
 5. Welded two (2) C-channels to attach the liner to the bottom of the vault.
- U. Vent Stack
1. Minimum 12" in diameter and a minimum 3' higher than the roof peak.
- V. Wall Vent
1. Vent cover is 14-gauge, type 304 stainless steel painted with DTM and anchored into the concrete wall with high strength anti-rust tap con fasteners.
 2. Vent louver frame and louvers are non-vision, .1" extruded, aluminum jet coat finish.
 3. Vent comes with insect screen.
 4. Cover to be recessed a minimum $\frac{3}{4}$ " on exterior walls with a 45-degree bevel. Interior to be flush mounted. Wall vent will not protrude from the wall.
- W. Windows and Vault Cleanout Cover
1. Windows and cleanout cover frames are constructed from steel.
 2. Window glazing is $\frac{3}{16}$ " thick translucent pebble finished mar-resistant Lexan.
 3. Plate for vault cleanout cover is $\frac{1}{4}$ " thick diamond plate steel.

4. Lid is hinged and configured so that it can be locked with a padlock. A gasket is provided around the entire perimeter of the lid to provide an airtight seal.
 5. Windows to have $\frac{3}{4}$ " recess with 45-degree bevel.
 6. Windows frames to have vandal resistant fasteners.
- X. Optional Roof Insulation
1. Ceiling anchored $\frac{1}{2}$ " plywood + fiberglass laminate + 2" polyurethane foam. Approximately R-19.

6.0 MANUFACTURE

- A. Mixing and Delivery of Concrete
1. Mixing and delivery of concrete are in accordance with ASTM C94, Section 12.6 through 12.9.
- B. Placing and Consolidating Concrete
1. Except for SCC, concrete is consolidated by the use of mechanical vibrators. Vibration are sufficient to accomplish compaction but not to the point that segregation occurs.
- C. Finishing Concrete
1. Interior floor and exterior slabs are floated and troweled.
 2. All exterior building walls and exterior screen walls are any one of the available textures.
 3. All exterior surfaces of the roof panels are cast to simulate any one of the available textures. The underside of the overhang will have a smooth finish.
- D. Cracks and Patching
1. Cracks in concrete components which are judged to affect the structural integrity of the building are rejected.
 2. Small holes, depressions, and air voids are patched with a suitable material. The patch will match the finish and texture of the surrounding surface.
 3. Patching will not be allowed on defective areas if the structural integrity of the building is affected.
- E. Curing and Hardening Concrete
1. Concrete surfaces will not be allowed to dry out from exposure to hot, dry weather during initial curing period.

7.0 FINISHING AND FABRICATION

- A. Structural Joints
1. Wall components are joined together with two (2) welded plate pairs at each joint.
 - a. Each weld plate is 6" long and located one (1) pair in the top quarter and one (1) pair in the bottom quarter of the seam.
 - b. Weld plates are anchored into the concrete panel and welded together with a continuous weld.
 - c. Inside seams are a paintable caulk.
 - d. Outside seams will use a caulk in a coordinating building color or clear.

2. Walls and roof are joined with weld plates, 3" x 6" at each building corner.
 3. The joint between the floor slab and walls are joined with a grout mixture on the inside, a matching colored caulk on the outside and two (2) weld plates 6" long per wall.
- B. Painting/Staining
1. An appropriate curing time is allowed before paint is applied to concrete.
 2. Some applications may require acid etching. A 30% solution of hydrochloric acid are used, flushed with water, and allowed to thoroughly air dry.
 3. Painting will not be done outside in cold, frosty, or damp weather.
 4. Painting will not be done outside in winter unless the temperature is 50°F or higher.
 5. Painting will not be done in dusty areas.
 6. All surface voids are filled prior to painting.
 7. Schedule of finishes.
 - a. Inside concrete surfaces.
 - i. Inside floors – one (1) coat of 1-part water based chemical resistant urethane.
 - ii. Interior walls and ceilings – two (2) coats of a modified acrylic, water repellent penetrating stain, followed by one (1) coat of clear sealer.
 - b. Exterior concrete surfaces.
 - i. Exterior walls – two (2) coats of water repellent penetrating stain in the same color as the walls or roof followed by one (1) coat of clear acrylic anti-graffiti sealer.
 - c. Metal surfaces (both inside and out).
 - i. Two (2) coats of DTM ALKYD.

8.0 TESTING

- A. Testing will only be performed by qualified individuals who have been certified ACI Technician Grade 1.
- B. Sampling is in accordance with ASTM C172.
- C. The following tests are performed on concrete used in the manufacture of toilets. All testing is performed in the CXT (PCI certified) laboratories.
 1. Air content – checked per ASTM C231 on the first batch of concrete. The air content is in the range of 5.0% +/- 1.5%.
 2. Compressive strength of the cylinders – tested to ASTM C39.
 - a. Two (2) are tested at release (minimum strength of 2500 psi).
 - b. One (1) is tested at seven (7) days (minimum strength of 4500 psi).
 - c. Two (2) are tested at 28 days (minimum strength of 5000 psi).
- D. A copy of all test reports are available to the customer as soon as 28-day test results are available.

9.0 INSTALLATION

- A. Scope of Work
 1. Work specified under this section includes excavation, backfill and placement of precast concrete vault toilet.

- B. Materials
 - 1. Bedding material to be sand or ¾" minus crushed or screened aggregate.
 - 2. Caulking between vault and toilet floor to be 1" x 1" Butyl tape designed specifically to bond precast concrete to precast concrete.
- C. Location – it is the responsibility of the customer to:
 - 1. Provide exact location by stakes or other approved method.
 - 2. Provide clear and level site free of overhead and/or underground obstructions.
 - 3. Provide access to the site for truck delivery and sufficient area for the crane to install and the equipment to perform the contract requirements.
- D. Access to Site
 - 1. Delivery to site made on normal highway trucks and trailers.
 - 2. If, at the time of delivery, conditions of access are hazardous or unsuitable for truck and equipment due to weather, physical constraints, roadway width or grade, CXT may require an alternate site with better access provided to ensure a safe and quality installation.
- E. Excavation and Elevation
 - 1. Comply with all applicable OSHA standards for excavation.
 - 2. Excavate for the installation of the toilet vault to a depth that will allow the structure site to be free draining after installation is completed. Allow for a 2" leveling course beneath the toilet vault. Stockpile topsoil in a separate pile at sites.
 - 3. Finish floor elevation is 4-6" above natural grade measured at the front (entrance) of the exterior slab unless otherwise approved by the customer. Ideally, the back of the building should be slightly higher to allow water to freely drain out of the toilet rooms. The customer may specify a finish floor elevation for buildings at some sites. The contractor will install buildings at these sites with the floor elevation within a plus or minus 0.05' of the specified floor elevation.
 - 4. No excavation is to be left open more than seven (7) days unless otherwise approved by the customer.
 - 5. All excavations left open overnight are fenced with wire mesh or plastic mesh fence secured to steel posts all around the excavation.
 - a. The bottom of the fence will generally follow the contour of the ground.
 - b. Maximum spacing of the steel posts is 10'.
 - c. Minimum height of the fence is 36".
- F. Backfill and Compaction
 - 1. Compact the natural ground at the bottom of the vault excavation with a minimum of three (3) passes with a whacker-type mechanical compactor or equivalent approved by the customer.
 - 2. Install sand or aggregate bedding material for leveling course if needed. Compact leveling course with one (1) pass with a whacker-type mechanical tamper or equivalent approved by the customer. Grade leveling course so there are no high spots in the middle of the vault bottom. Compact with a second pass with a whacker or approved equivalent tamper.

3. Set vault in place and check for level or appropriate scope. Backfill around structure. Use excavated material for backfill except those rocks larger than 6" in maximum dimension shall not be placed within 6" of the exterior vault walls.
4. Fill, adjacent to the building entry, will have excavated material placed in 8" loose lifts and compacted with a minimum of two (2) passes with a whacker-type mechanical compactor of equivalent approved by the customer.

G. Finish Grading

1. Spread excess excavated material from the vault around structure. Intended final grade is flush with the top of the front slab. Allow for placement of topsoil to reach that grade. Grade backfill away from structure at maximum slope of 5% unless otherwise approved by the customer.
2. Spread stockpiled topsoil as final layer after rough grading is completed. Areas disturbed by excavation, backfilling and stockpiling of excavated materials are hand raked to remove exposed rocks over 1" in maximum dimension.
3. Oversized rocks removed from the surface shall be disposed of in a designated area within 200' of the site.

H. Exhaust Pipe Installation

1. After exhaust pipe is installed, seal around pipe at top and underside of roof with polyurethane caulk. Seal around pipe at top of slab are accomplished by using polyurethane caulk.

10.0 WARRANTY—PRECAST DIVISION

CXT provides a one (1) year warranty on all concrete components. The warranty is valid only when concrete is used within the specified loadings. Furthermore, said warranty includes only the related material necessary for the construction and fabrication of said concrete components. All other non-concrete components will carry a one (1) year warranty. CXT warrants that all goods sold pursuant hereto will, when delivered, conform to specifications set forth above. Goods shall be deemed accepted and meeting specifications unless notice identifying the nature of any non-conformity is provided to CXT in writing within the specified warranty. CXT, at its option, will repair or replace the goods or issue credit for the customer provided CXT is first given the opportunity to inspect such goods. It is specifically understood that CXT's obligation hereunder is for credit, repair, or replacement only, F.O.B. CXT's manufacturing plants, and does not include shipping, handling, installation or other incidental or consequential costs unless otherwise agreed to in writing by CXT.

This warranty shall not apply to:

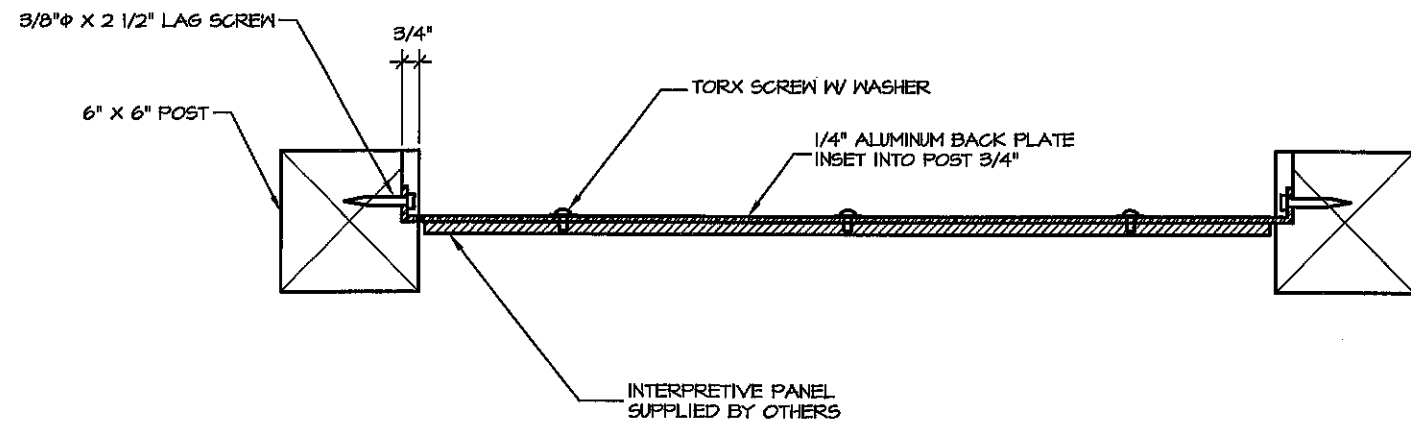
1. Any goods which have been repaired or altered without CXT's express written consent, in such a way as in the reasonable judgment of CXT, to adversely affect the stability or reliability thereof;
2. To any goods which have been subject to misuse, negligence, acts of God or accidents; or
3. To any goods which have not been installed to manufacturer's specifications and guidelines, improperly maintained, or used outside of the specifications for which such goods were designed.

11.0 DISCLAIMER OF OTHER WARRANTIES

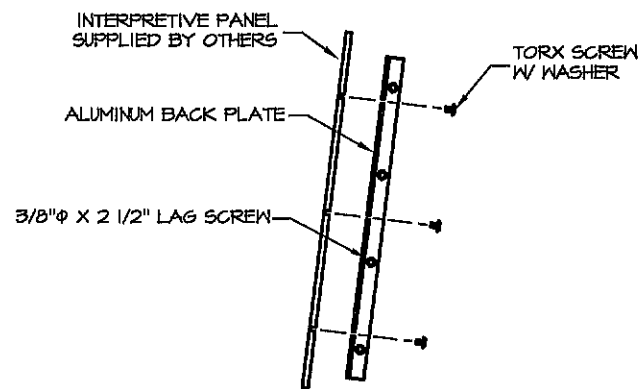
The warranty set forth above is in lieu of all other warranties, express or implied. All other warranties are hereby disclaimed. CXT makes no other warranty, express or implied, including, without limitation, no warranty of merchantability of fitness for a particular purpose or use.

12.0 LIMITATION OF REMEDIES

In the event of any breach of any obligation hereunder, breach of any warranty regarding the goods or any negligent act or omission or any party, the parties shall otherwise have all rights and remedies available at law; however, IN NO EVENT SHALL CXT BE SUBJECT TO OR LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

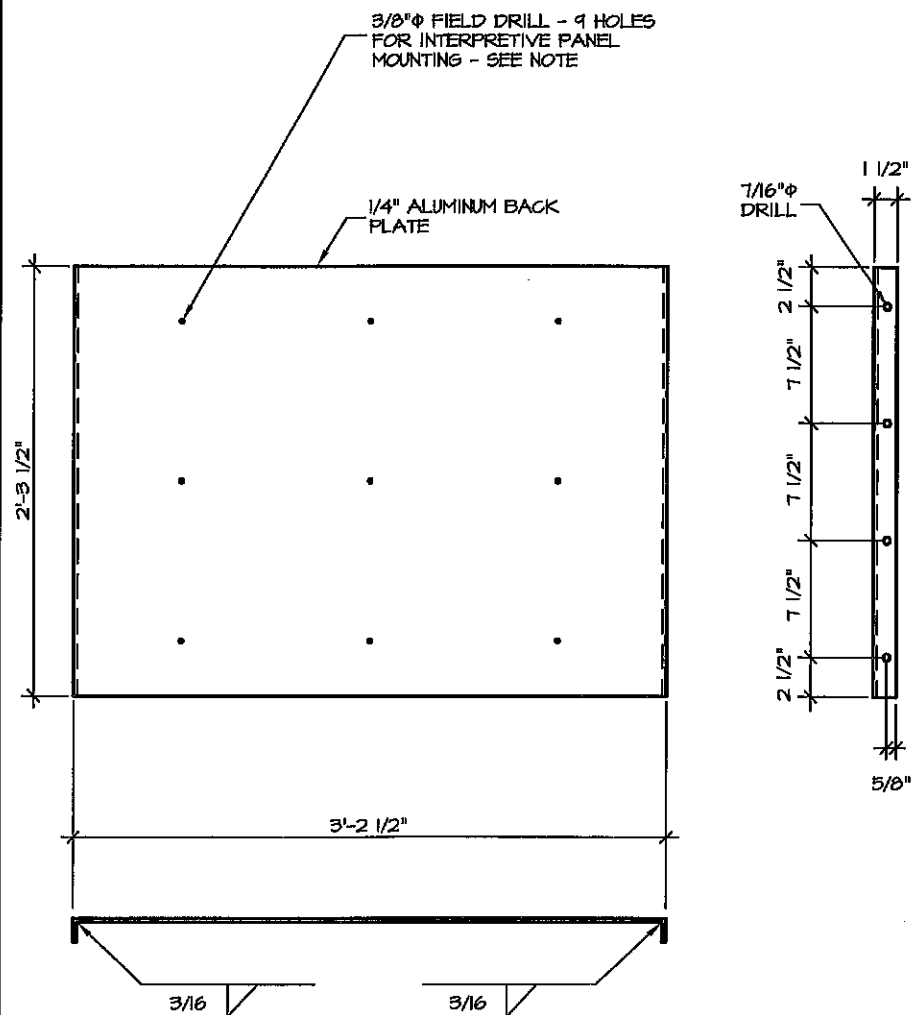


SECTION 1

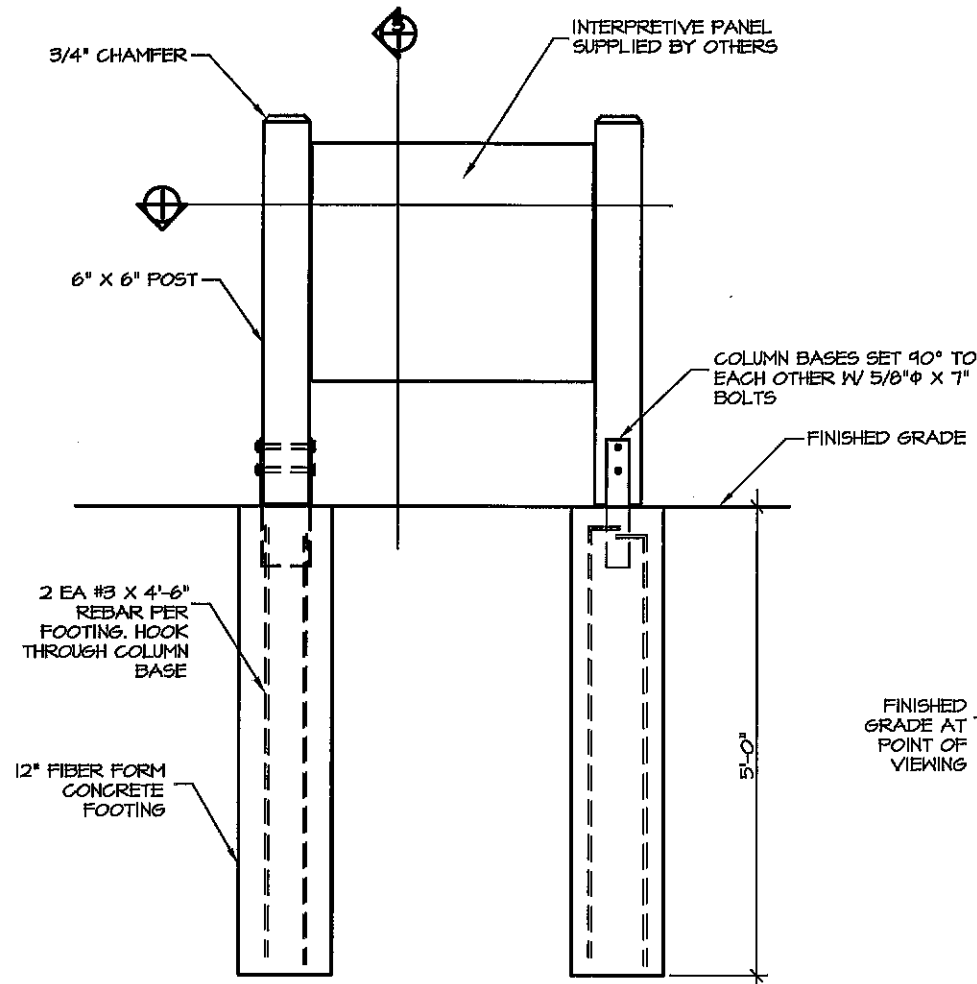


SECTION 2
EXPLODED VIEW
INTERPRETIVE PANEL ASSEMBLY

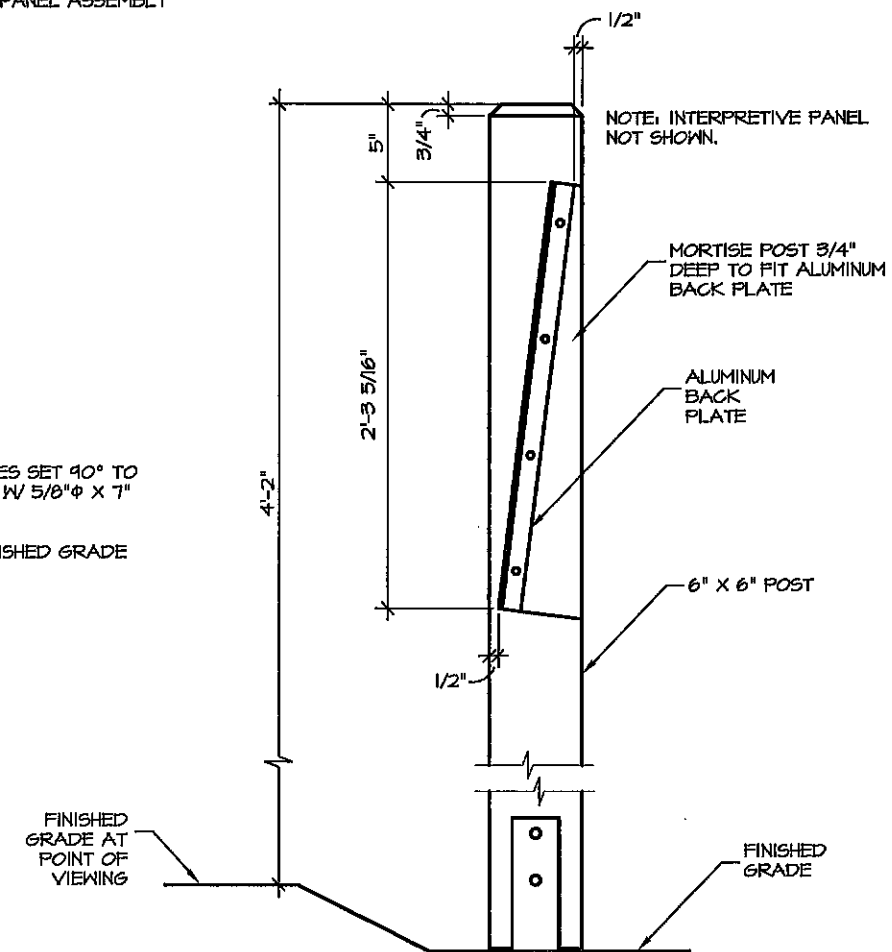
- NOTES:
1. INTERPRETIVE PANEL SUPPLIED BY OTHERS MEASURES 1/2" X 3'-0 1/2" X 2'-6 1/2".
 2. 1/4"-20 X 5/8" BUTTON HEAD "PIN-IN-HEAD" TORX TAMPER RESISTANT STAINLESS STEEL SCREWS WITH FINISHING WASHERS SHALL BE USED TO ATTACH THE INTERPRETIVE PANEL & THE PLYWOOD BACK PANEL TO THE ALUMINUM BACK PLATE.
 3. FIELD DRILL HOLES IN ALUMINUM BACK PLATE FOR INTERPRETIVE PANEL MOUNTING. ENGINEER WILL LOCATE ALL HOLES PRIOR TO DRILLING.



SECTION 3
ALUMINUM BACK PLATE



SECTION 4
FRONT ELEVATION



SECTION 5

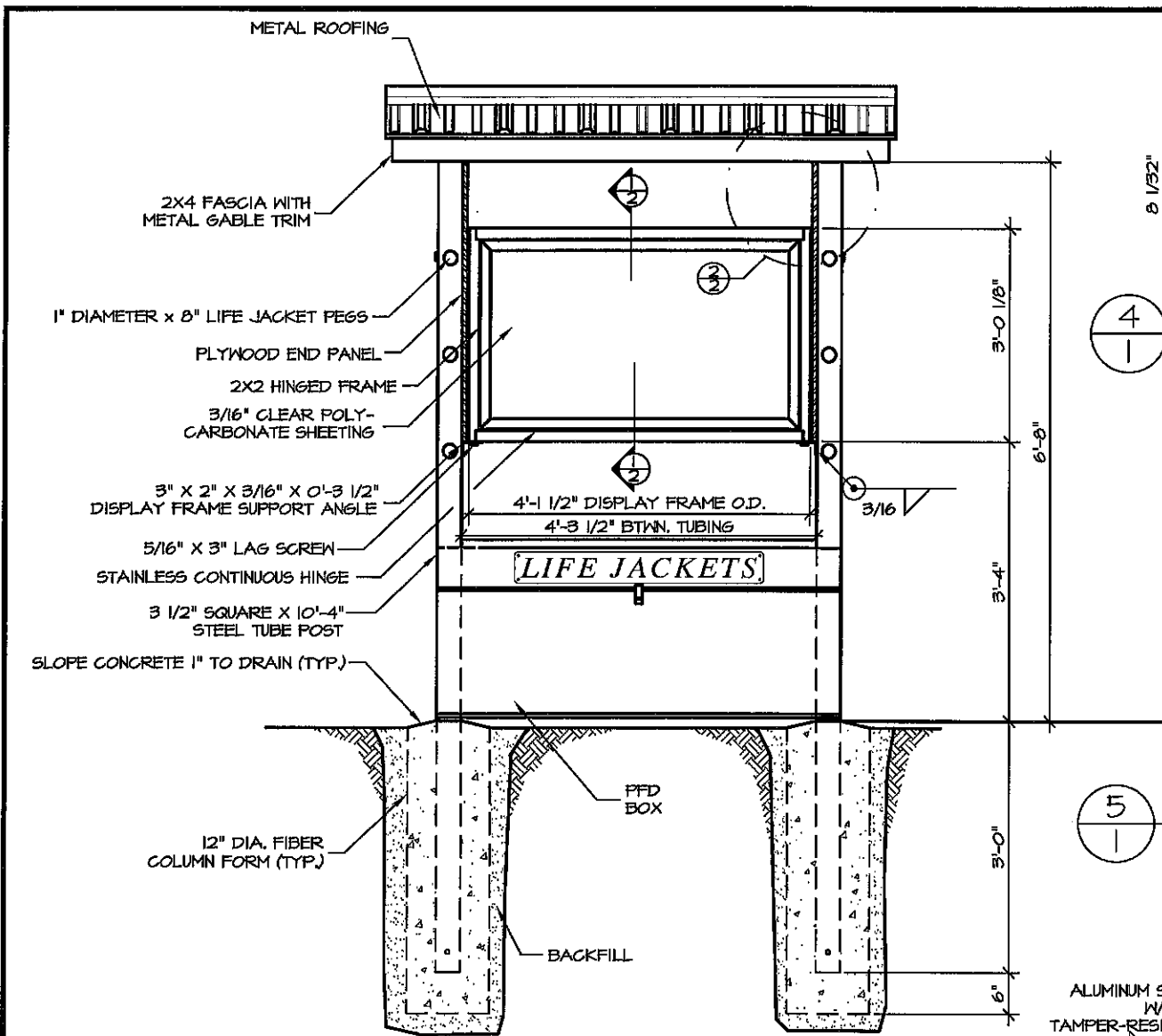
FOR INFORMATIONAL USE ONLY
Alaska State Parks

NO.	REVISION	DATE	APPROVED
10	UPDATED STATE PARK LOGO	12/07	FPB
9	CHANGED TITLE BLOCK	12/07	FPB
8	CHANGED LENGTH OF TORX SCREW & SIZE OF DRILL HOLE	12/04	FPB
7	ADDED NOTE #5 / REMOVED HOLE PLACEMENT DIMENSIONS	12/04	FPB
6	REMOVED PLYWOOD BACK PANEL	12/04	FPB
5	REPLACED STAMP	3/04	FPB

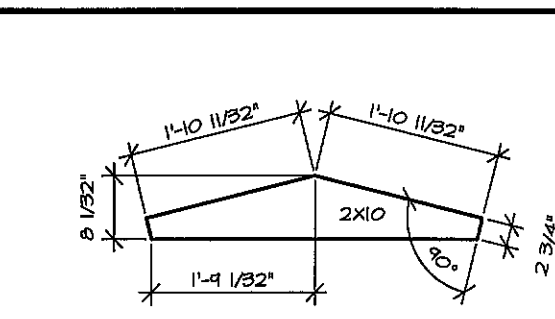


PREPARED:
DRAWN:
REVIEWED: DH
DATE: APRIL 99

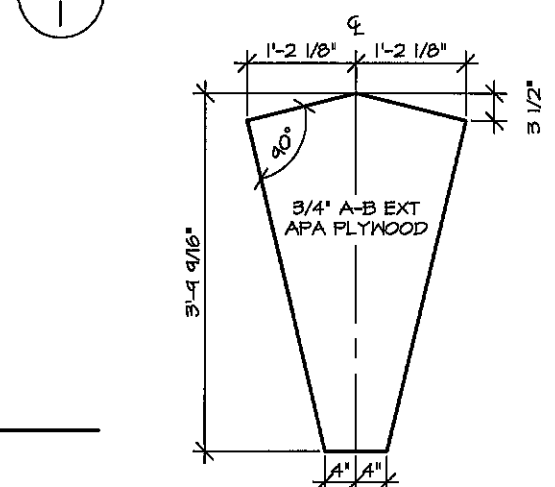
SHEET 1
S-11C
OF 1 SHEETS



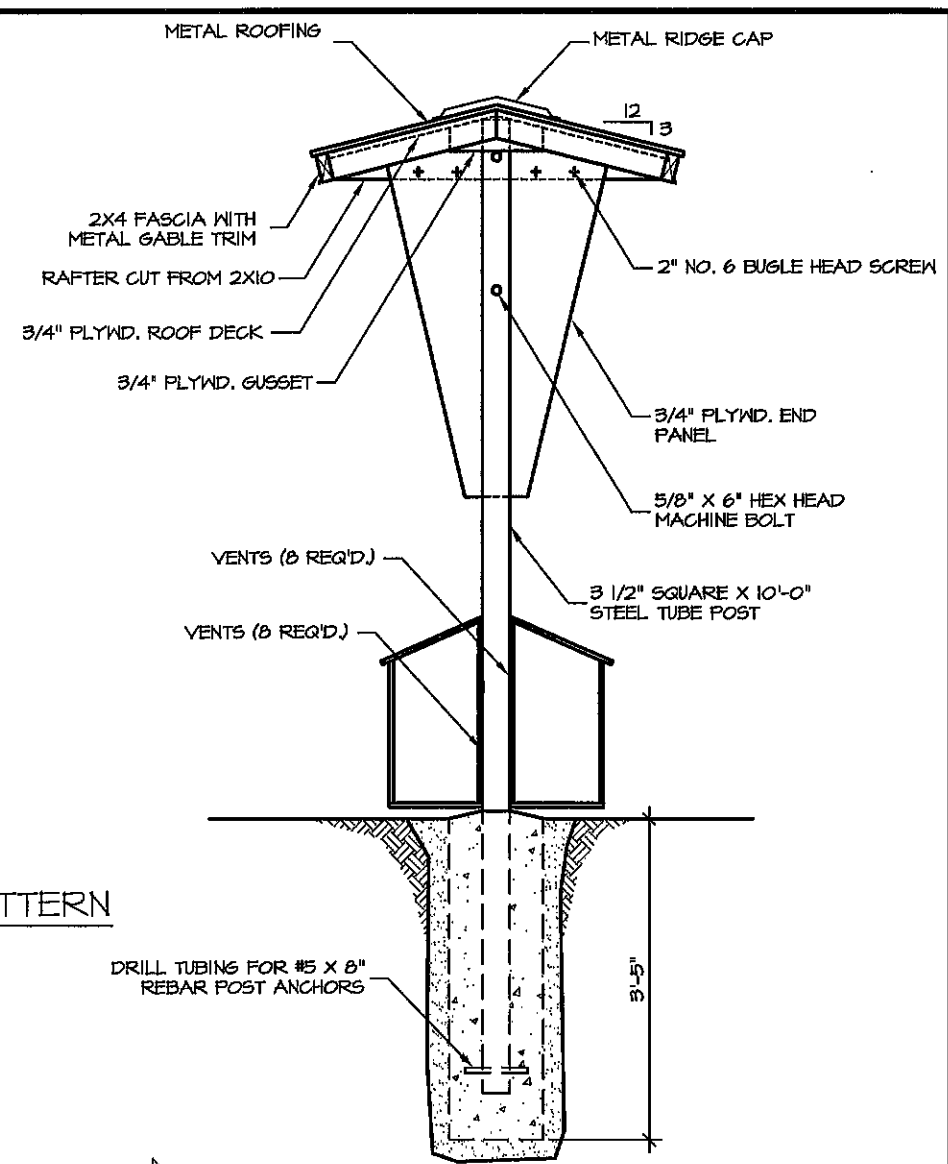
2 FRONT ELEVATION



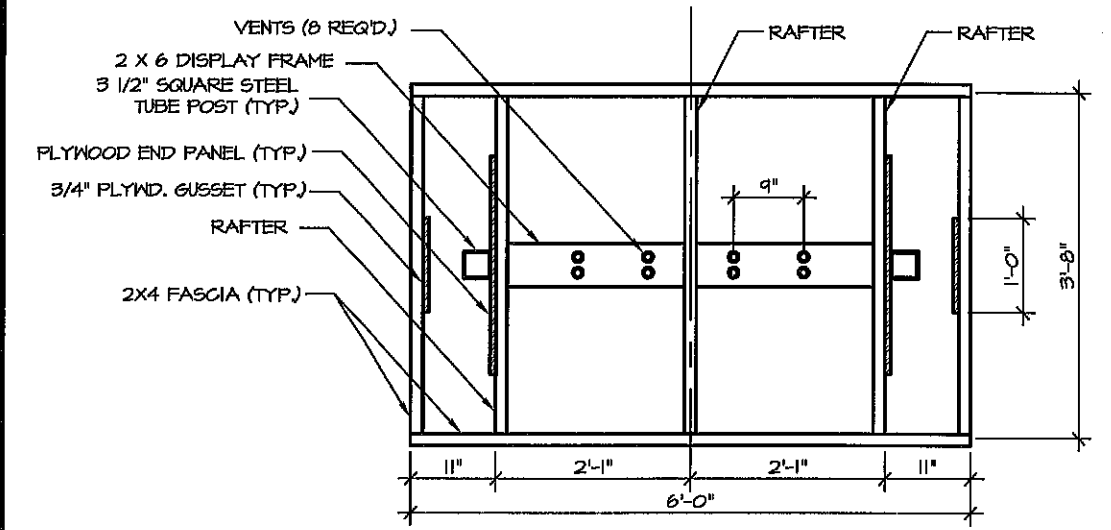
4 2X8 RAFTER PATTERN



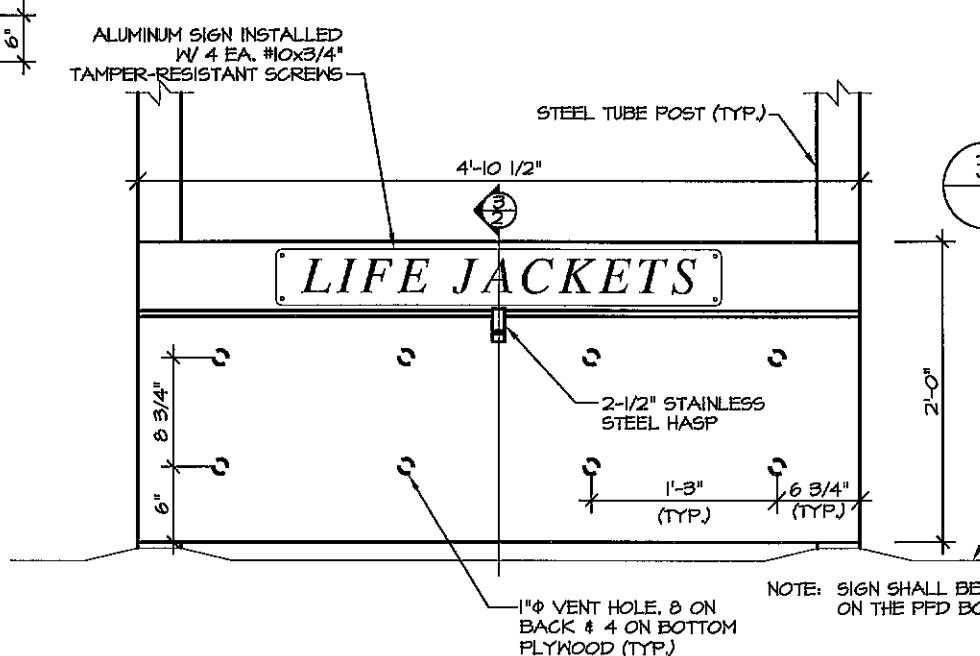
5 PLYWOOD END PANEL PATTERN



3 SIDE ELEVATION



1 ROOF FRAMING PLAN



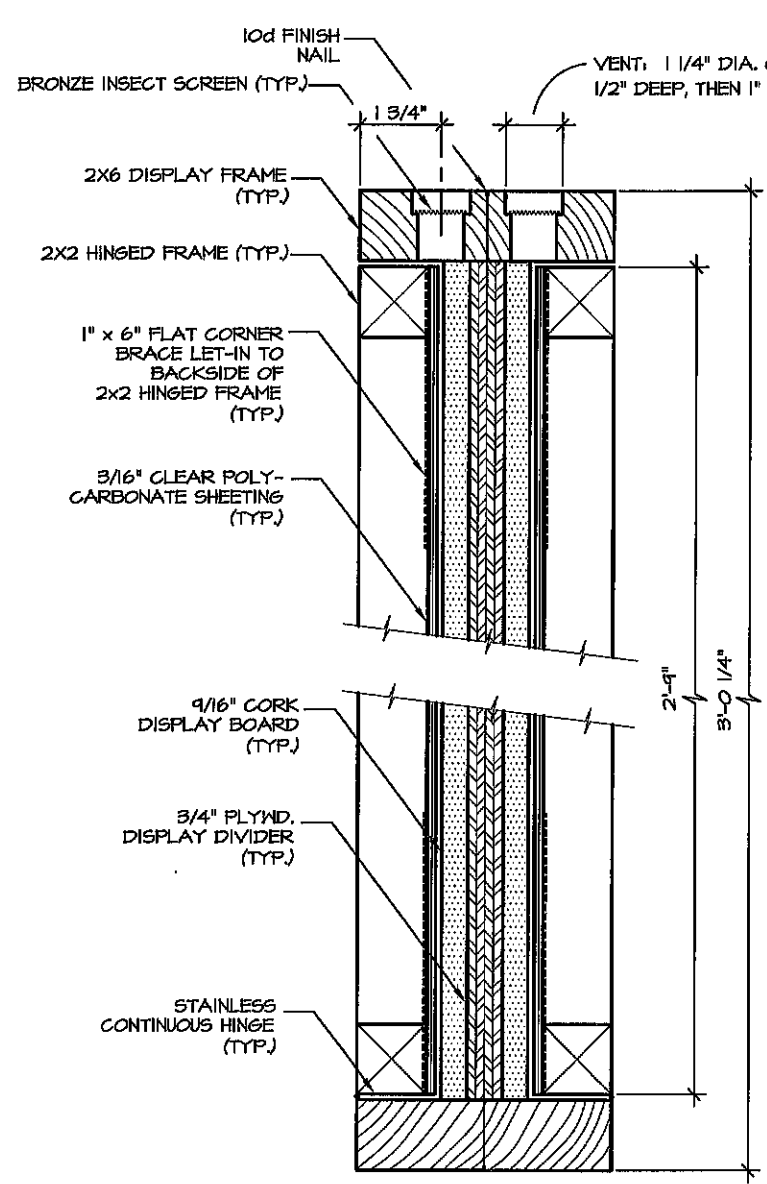
6 PFD BOX

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NOTE: SIGN SHALL BE CENTERED ON THE PFD BOX LID.

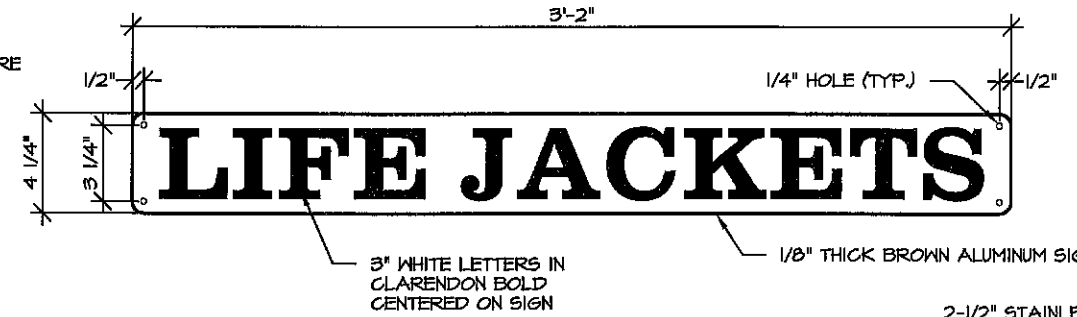
NO.	REVISION	DATE	APPROVED
5	CHANGED "LIFE JACKETS" TO BE A SIGN	12/10	MPS
4	ADDED VENT HOLES ON BOTTOM OF PFD BOX.	12/10	MPS
3	CHANGED ROOFING MAT'L, RAFTER SIZE, & FASCIA SIZE	12/10	MPS
2	UPDATED STATE PARK LOGO	12/08	MPS
1	CHANGED TITLE BLOCK, CORRECTED BOX DIMEN.	12/07	MPS



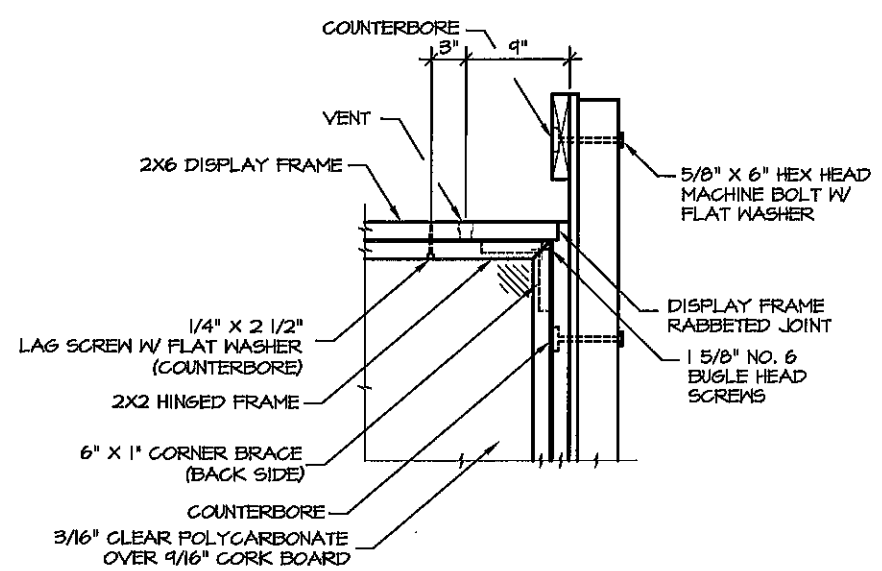


① DISPLAY FRAME SECTION

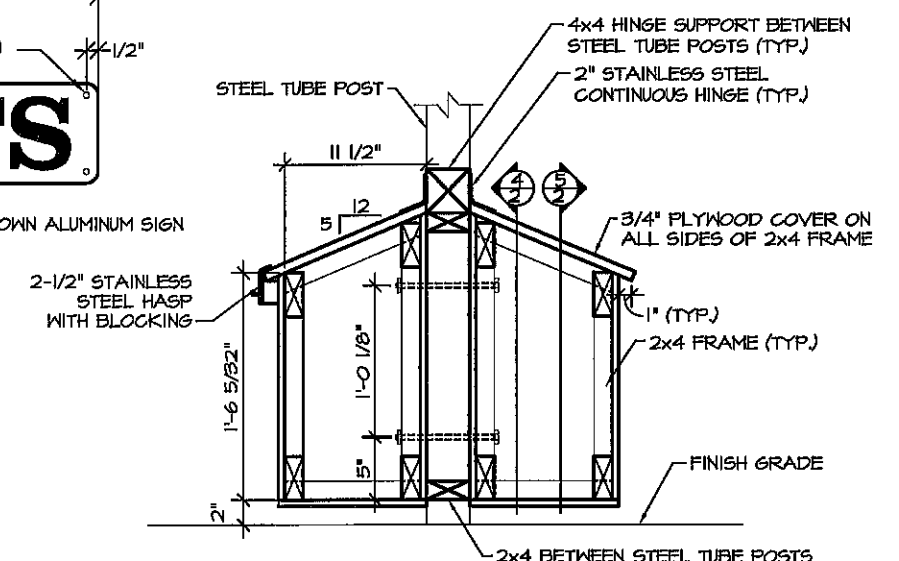
NOTES:
ALL COMPONENTS OF THE PFD BOX SHALL BE CONNECTED WITH APPROPRIATE FASTENERS TO SECURELY HOLD THE MEMBERS IN PLACE.



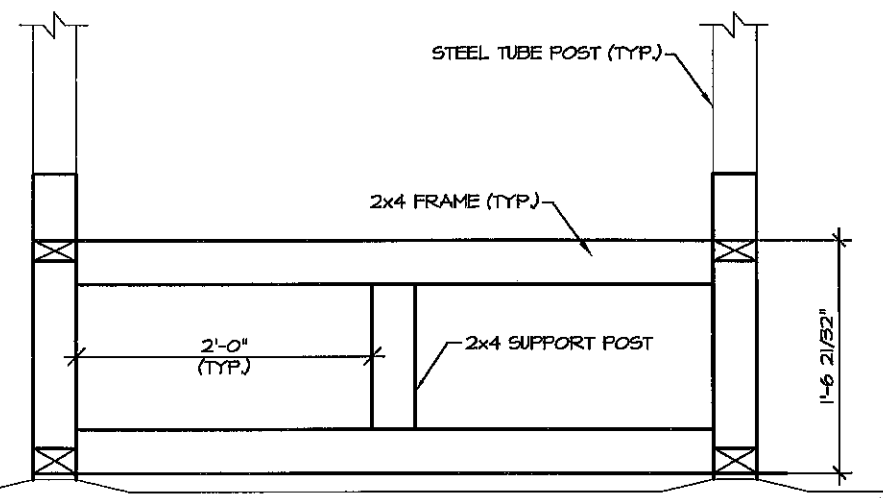
⑥ FRAME DETAIL



② FRAME DETAIL

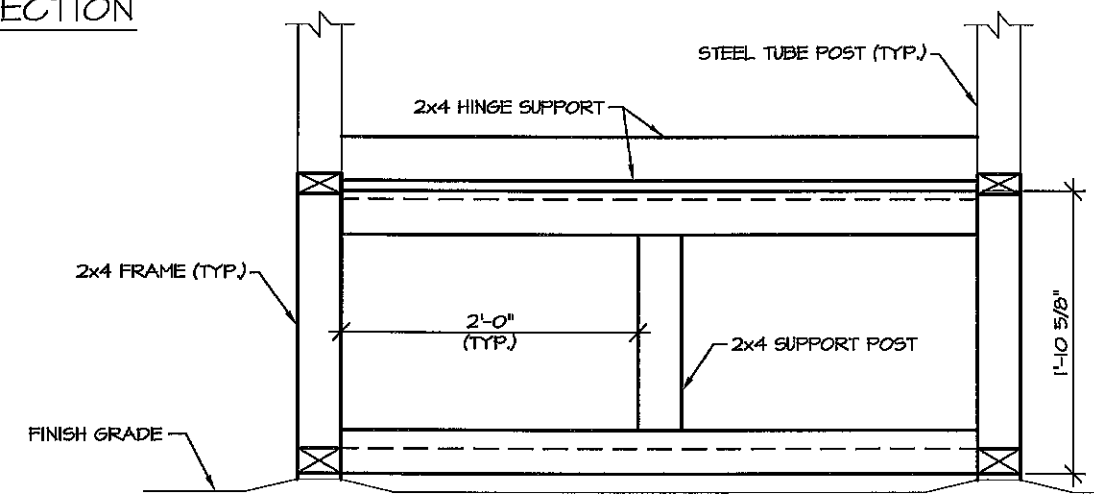


③ PFD BOX FRAME DETAIL SIDE SECTION



⑤ PFD BOX FRAME DETAIL FRONT

NOTE: PLYWOOD COVER NOT SHOWN FOR CLARITY.



④ PFD BOX FRAME DETAIL BACK

NOTE: PLYWOOD COVER NOT SHOWN FOR CLARITY.

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NO.	REVISION	DATE	APPROVED
3	ADDED SIGN DETAIL	12/10	MPS
2	UPDATED STATE PARK LOGO	12/10	MPS
1	CHANGED TITLE BLOCK, CORRECTED BOX DIMEN.	12/07	MPS

STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES

DESIGN & CONSTRUCTION SECTION



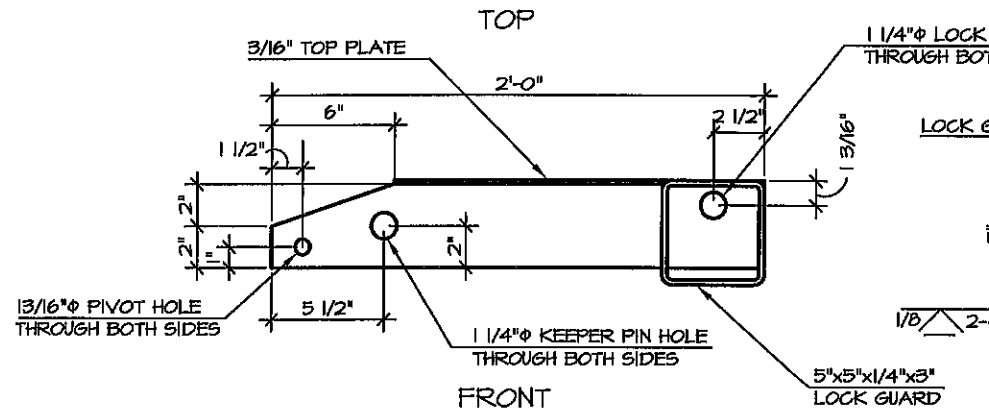
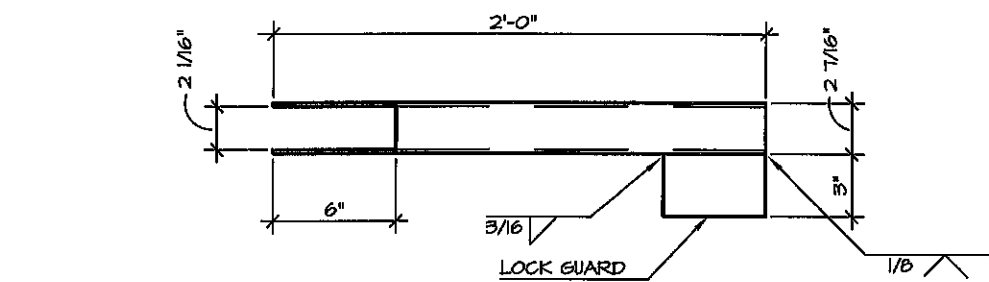
PREPARED: J56
DRAWN: J56
REVIEWED: MPS
DATE: 07/06

SHEET 2
S-12A
OF 2 SHEETS

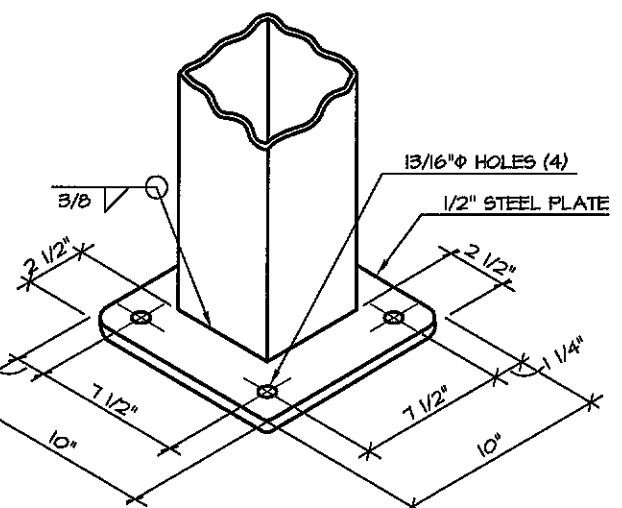
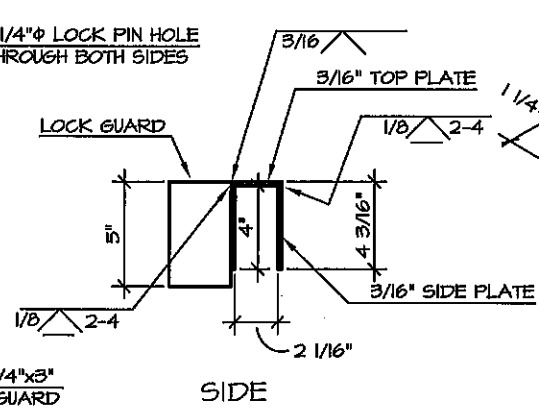


PREPARED:
DRAWN: RK
REVIEWED: DH TY
DATE: 10/14/05

SHEET 1
G-2
OF 2 SHEETS

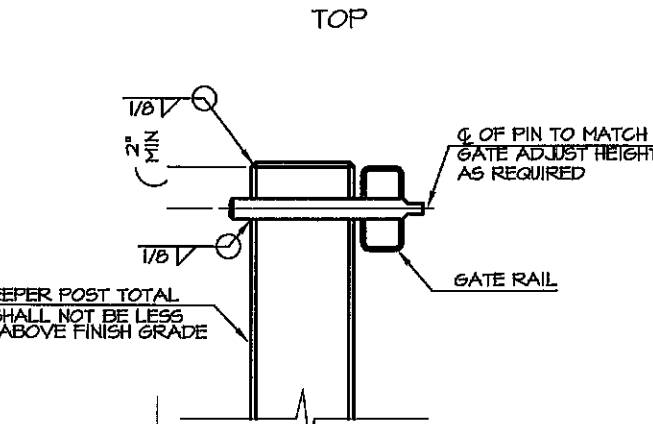
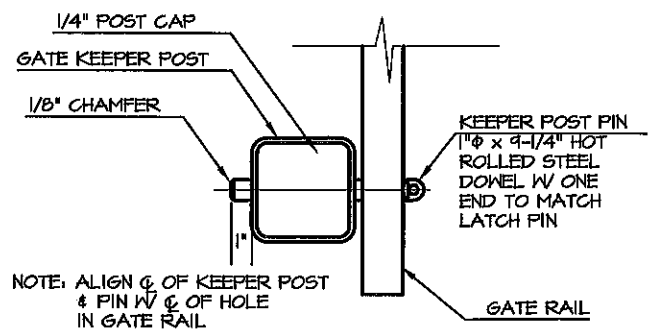


① LATCH

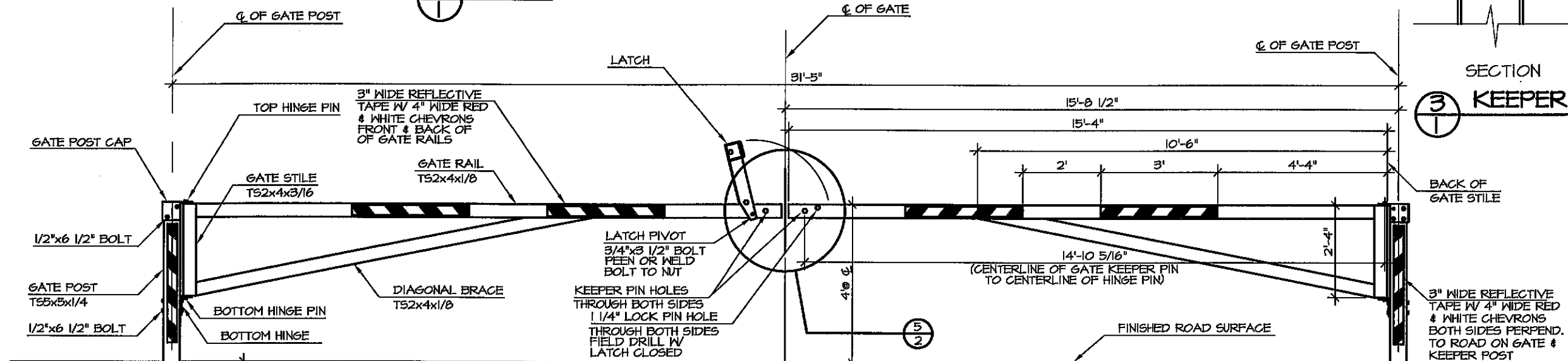


NOTE: FASTEN PLATES WITH 4 - 3/4" x 1-3/4" STEEL BOLTS WITH FLAT WASHERS, LOCK WASHERS, AND NUTS

② STEEL PLATE (TYP.)



③ KEEPER POST

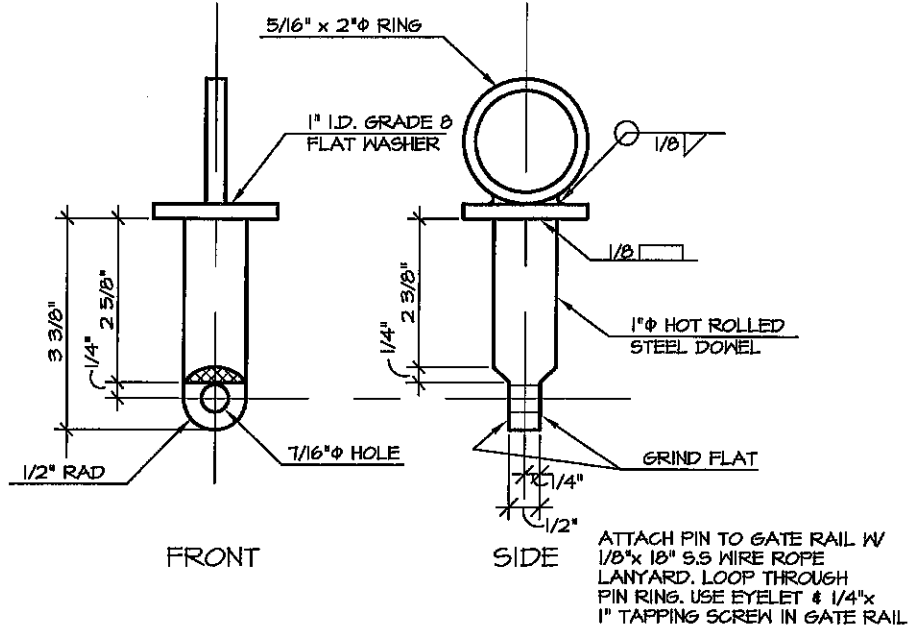


NOTE: GATE IS SYMMETRICAL ABOUT ITS CENTERLINE EXCEPT LATCH

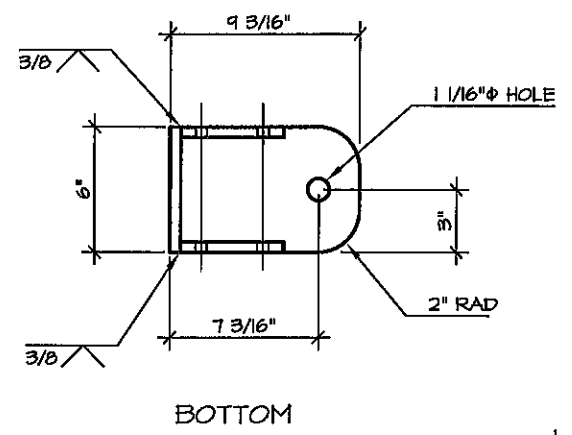
④ ELEVATION

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NO.	REVISION	DATE	APPROVED
19	CHANGED STATE PARK LOGO	04/10	MPS
18	CHANGED TITLE BLOCK	12/07	MPS
17	REMOVED VERTICLE FOOTING REBAR / ADDED HORIZONTAL REBAR	12/04	MPS
16	RESIZED KEEPER PIN HOLE & LOCK PIN HOLE	12/04	MPS
15	REPLACED STAMP	3/02	BHS
14	REPLACED STAMP		

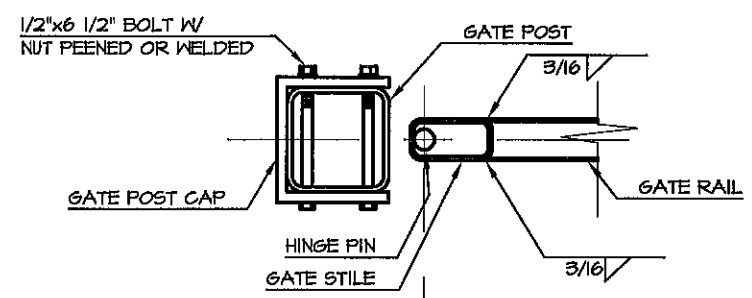


① LATCH PIN

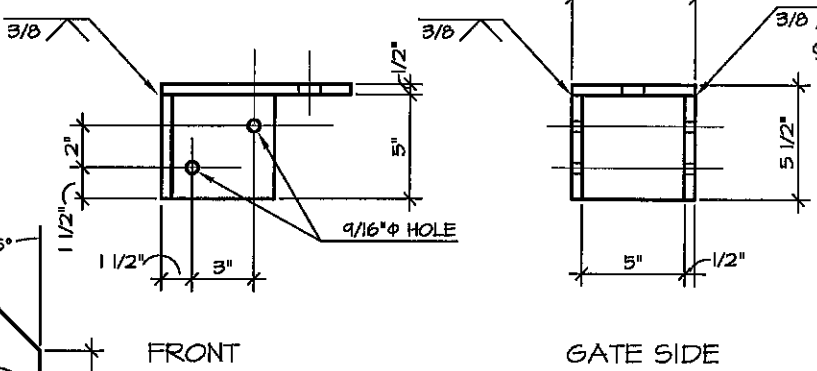


BOTTOM

② GATE POST CAP

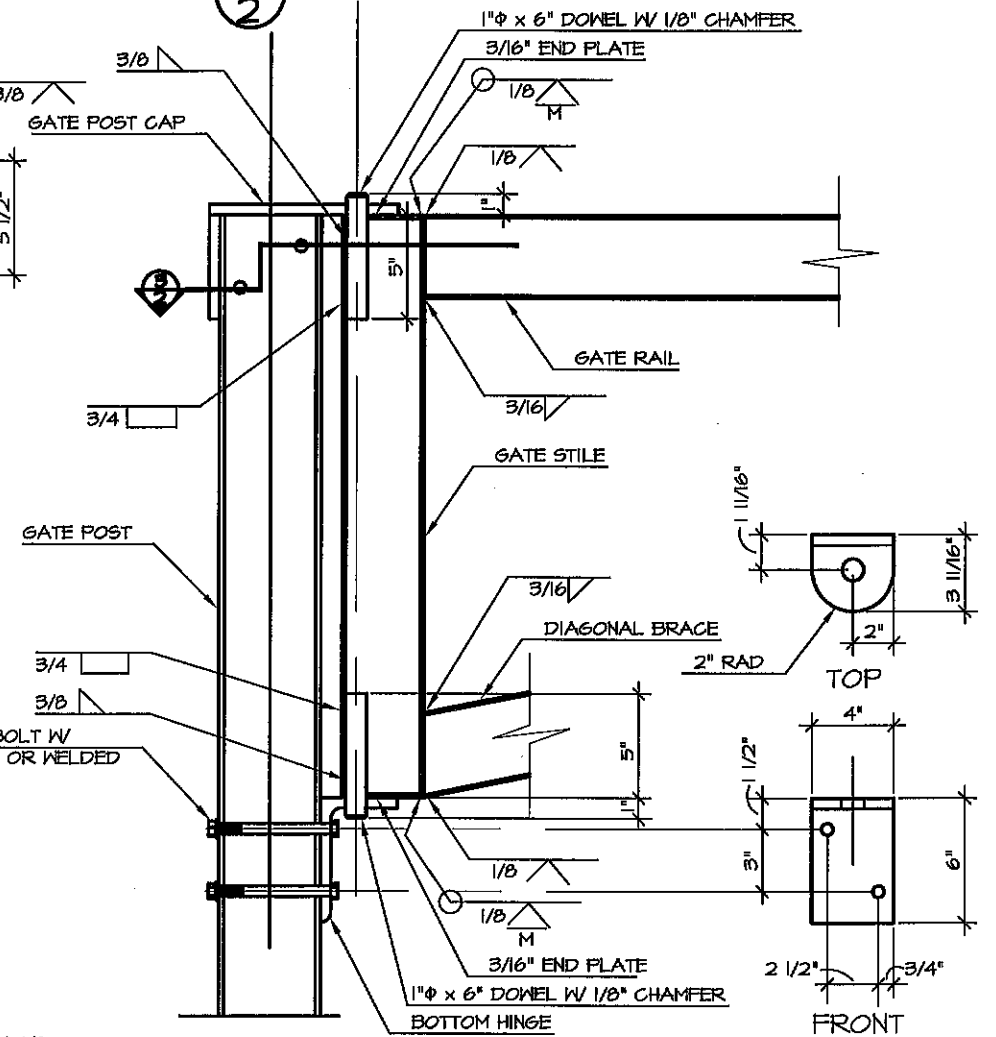


③ SECTION



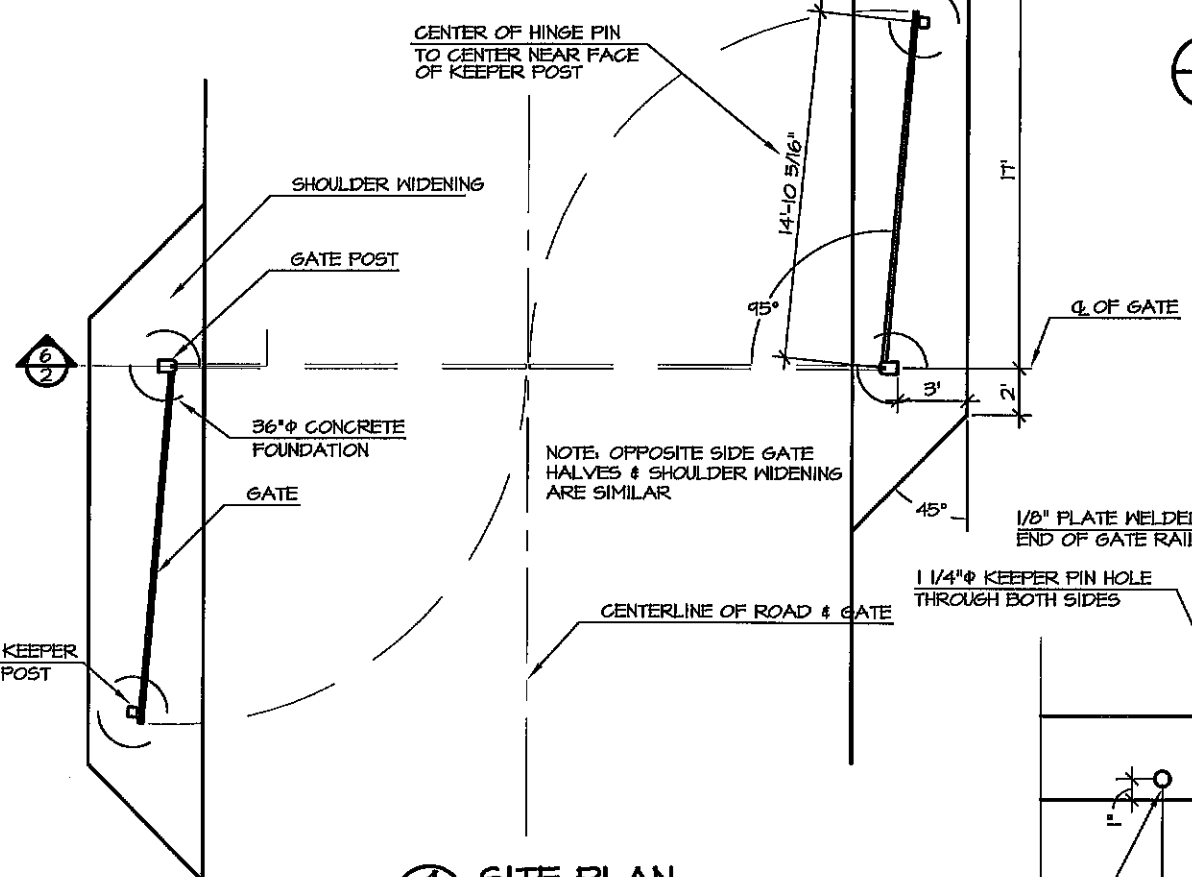
FRONT

GATE SIDE

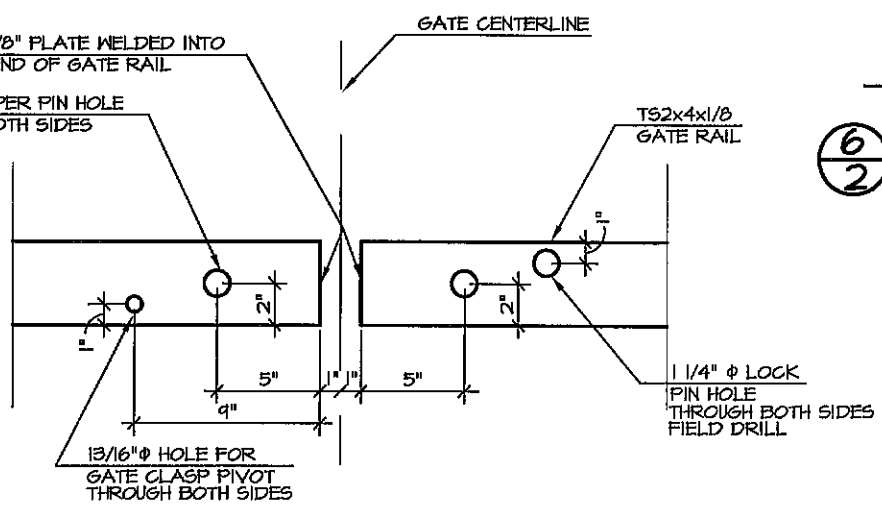


⑥ SECTION

⑦ BOTTOM HINGE



④ SITE PLAN



⑤ DETAIL

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Alaska State Parks

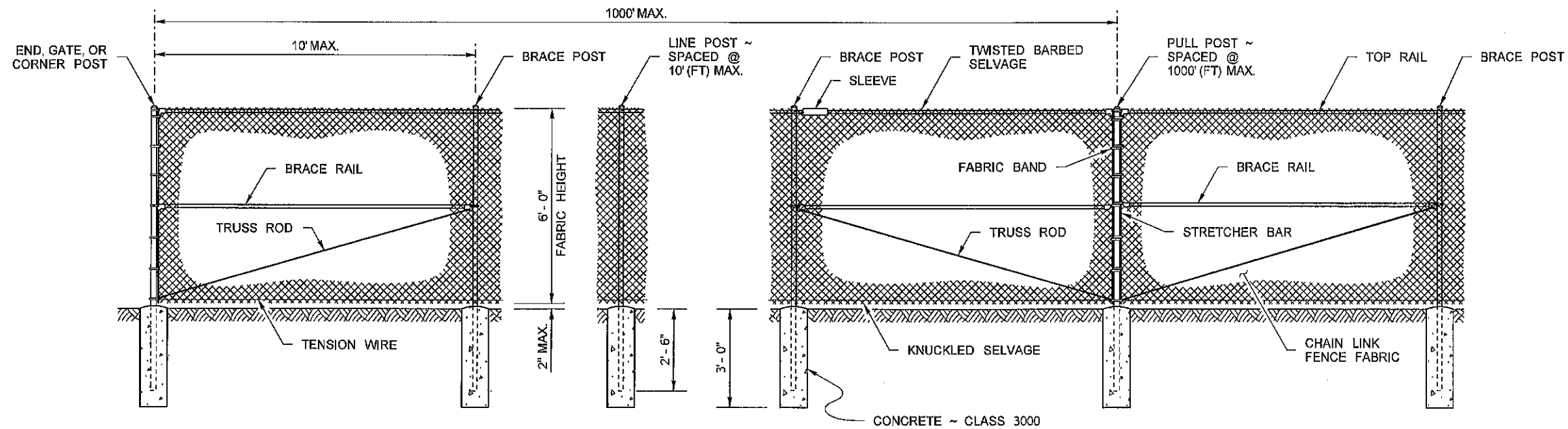
NO.	REVISION	DATE	APPROVED
18	CHANGED STATE PARK LOGO	04/10	MP5
17	CHANGED TITLE BLOCK	12/01	MP5
16	RESIZED KEEPER PIN HOLE & LOCK PIN HOLE	12/04	MP5
15	REPLACED STAMP	3/04	MP5
14	REPLACED STAMP	3/02	DH

STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES
DESIGN & CONSTRUCTION SECTION
DOUBLE GATE

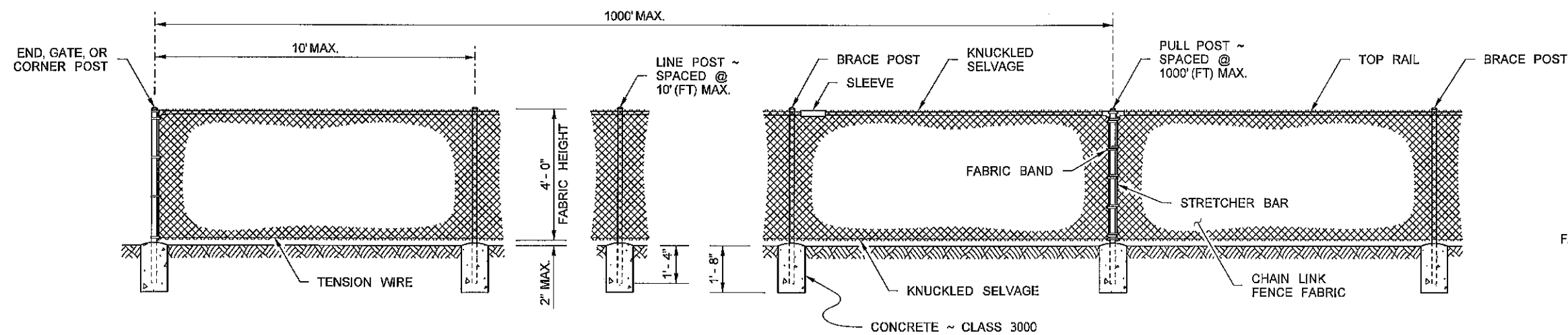


PREPARED:
DRAWN: FK
REVIEWED: DH TY
DATE: 10/14/85

SHEET 2
G-2
OF 2 SHEETS



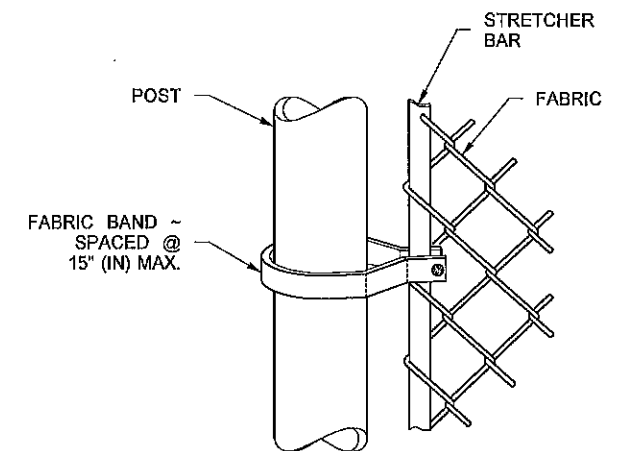
TYPE 1



TYPE 6

NOTES

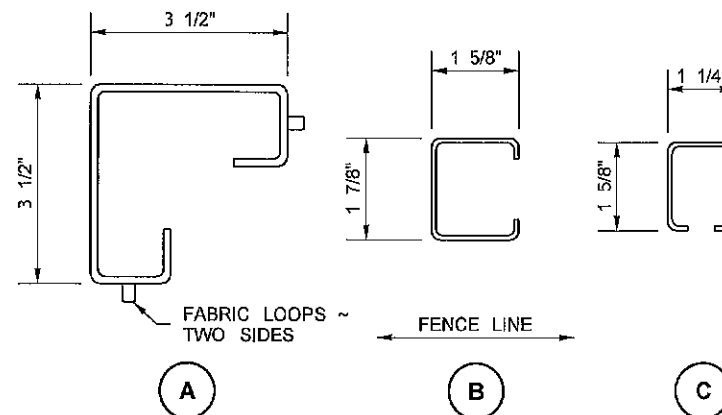
1. ALL CONCRETE POST BASES SHALL BE 10" (IN) MINIMUM DIAMETER.
2. TENSION WIRE SHALL BE PLACED WITHIN THE LIMITS OF THE FIRST FULL FABRIC WEAVE.
3. DETAILS ARE ILLUSTRATIVE AND SHALL NOT LIMIT HARDWARE DESIGN OR POST SELECTION OF ANY PARTICULAR FENCE TYPE.



METHOD OF FASTENING STRETCHER BAR TO POST (SHOWN FOR ROUND POST)

POST AND RAIL SPECIFICATIONS

MEMBER	PIPE	CONC.	
	NOM. SIZE (SCH. 40)	SECTION	WEIGHT (LB./FT.)
END, CORNER, OR PULL POST	2 1/2" DIAM.	A	5.10
LINE OR BRACE POST	2" DIAM.	B	2.40
BRACE OR TOP RAIL	1 1/4" DIAM.	C	1.35
GATE POST	3 1/2" DIAM.		



FILE NAME	S:\Design R P& S\4-Standards\2-Plan Sheet Library\01-Published PSL(FS) Fence and Glare Screen(FS-2) Chain Link Fence with Top Rail(FS-2).dgn		
TIME	2:44:01 PM		
DATE	10/2/2014		
PLOTTED BY	FletcCo	REGION NO.	STATE
DESIGNED BY		WASH	FED.AID PROJ.NO.
ENTERED BY		JOB NUMBER	
CHECKED BY		CONTRACT NO.	LOCATION NO.
PROJ. ENGR.			
REGIONAL ADM.			
REVISION	DATE	BY	



Plot 1
PLAN REF NO
FS-2
SHEET
1
OF
1
SHEETS
CHAIN LINK FENCE WITH TOP RAIL

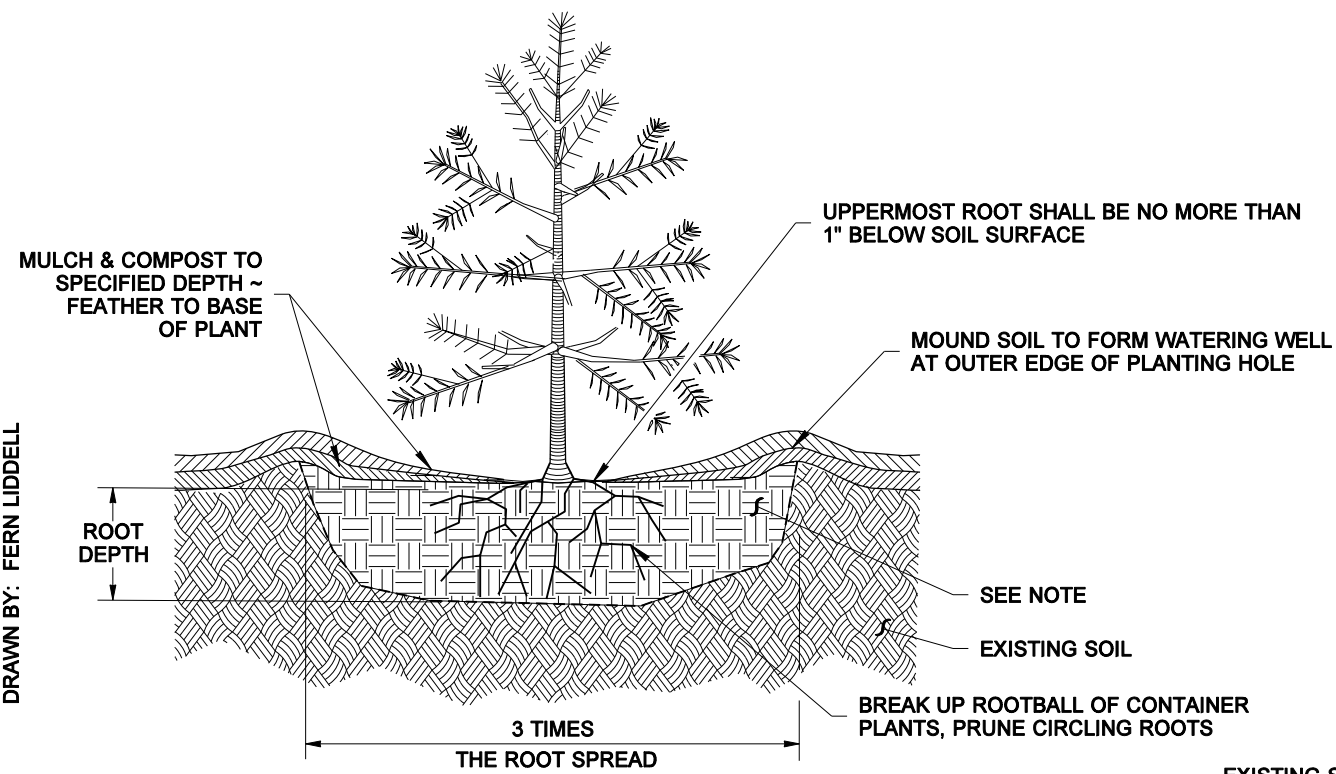
APPENDIX E

INCLUDING:

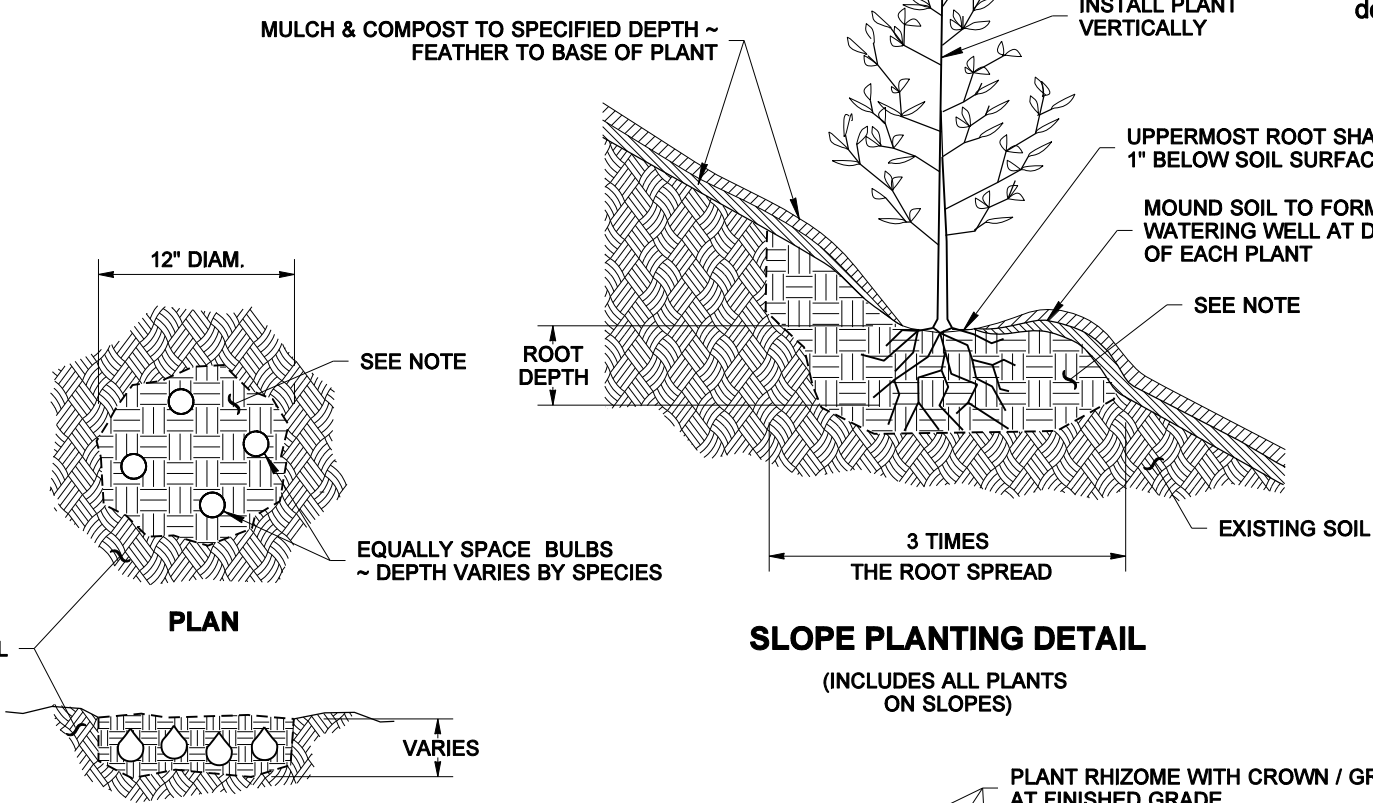
WSDOT Standard Plans

Contract Plans

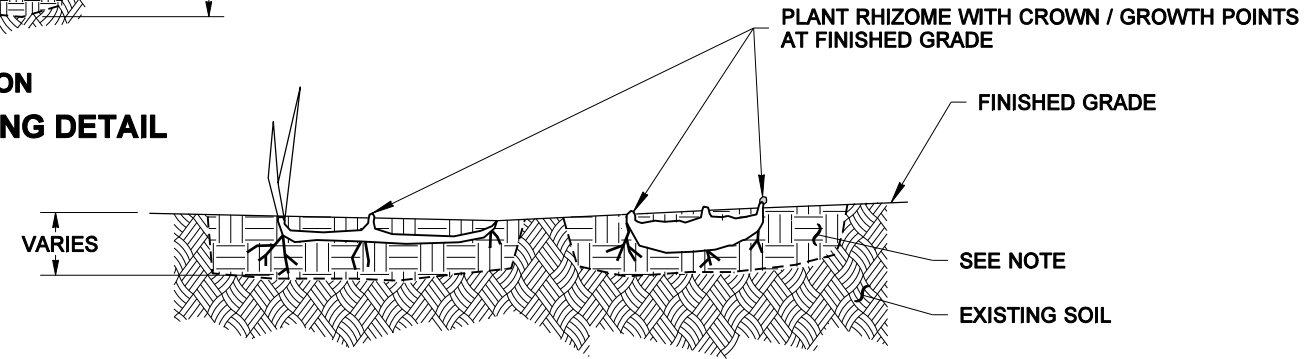
DRAWN BY: FERN LIDDELL



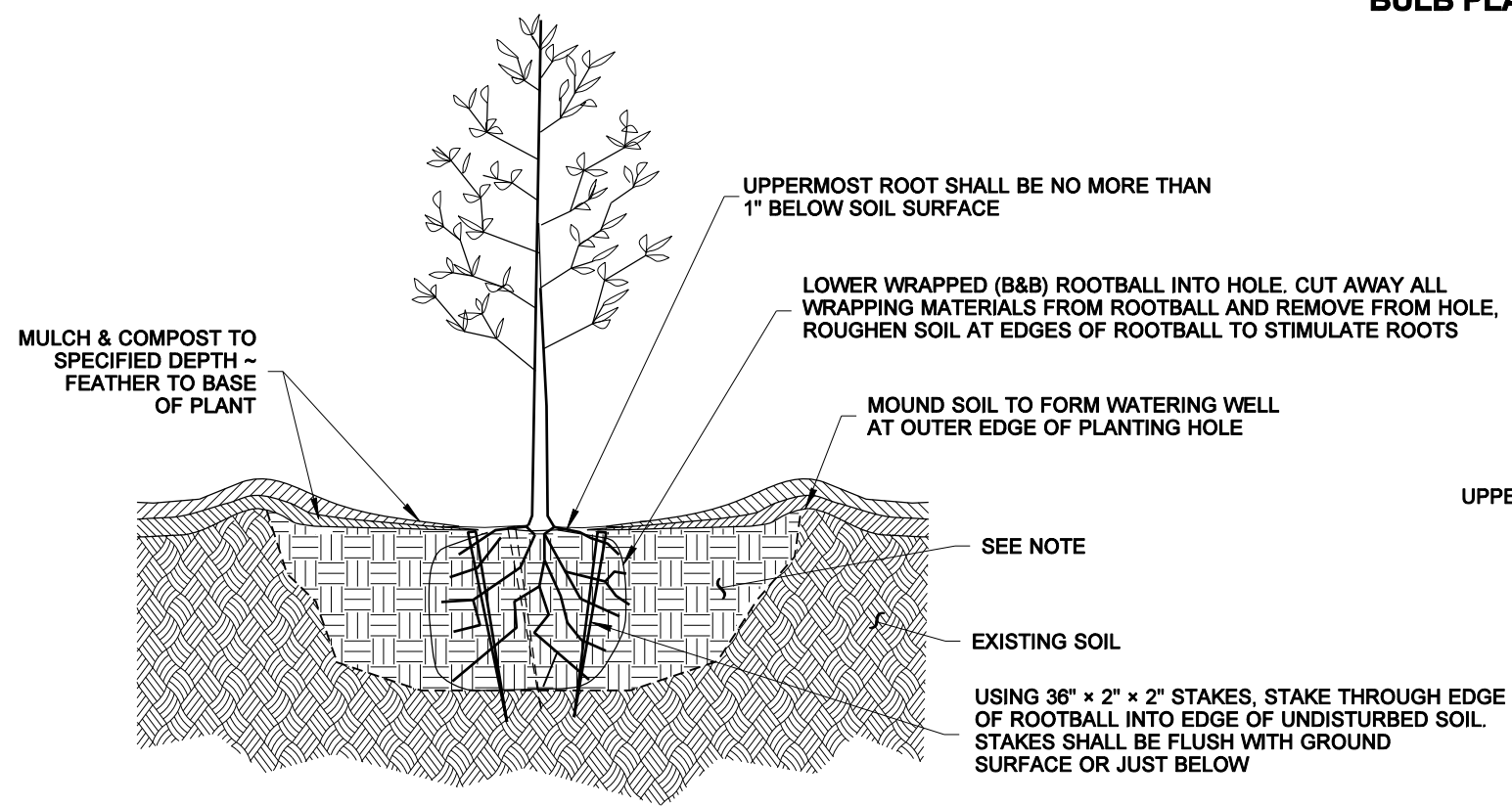
SHRUB, TREE AND GROUND COVER PLANTING DETAIL



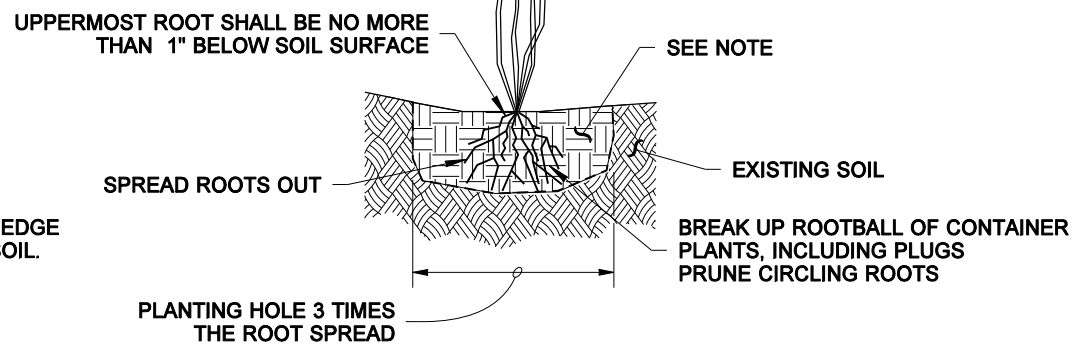
BULB PLANTING DETAIL



TUBER OR RHIZOME PLANTING DETAIL



STREET TREE PLANTING AND STAKING DETAIL
(APPLIES TO CONTAINER, BALL AND BURLAPPED, (B&B) DECIDUOUS AND CONIFERS)



EMERGENT PLANTING DETAIL

NOTE
Backfill with soil removed from hole
~ See planting area soil preparation detail or Special Provisions.

STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT

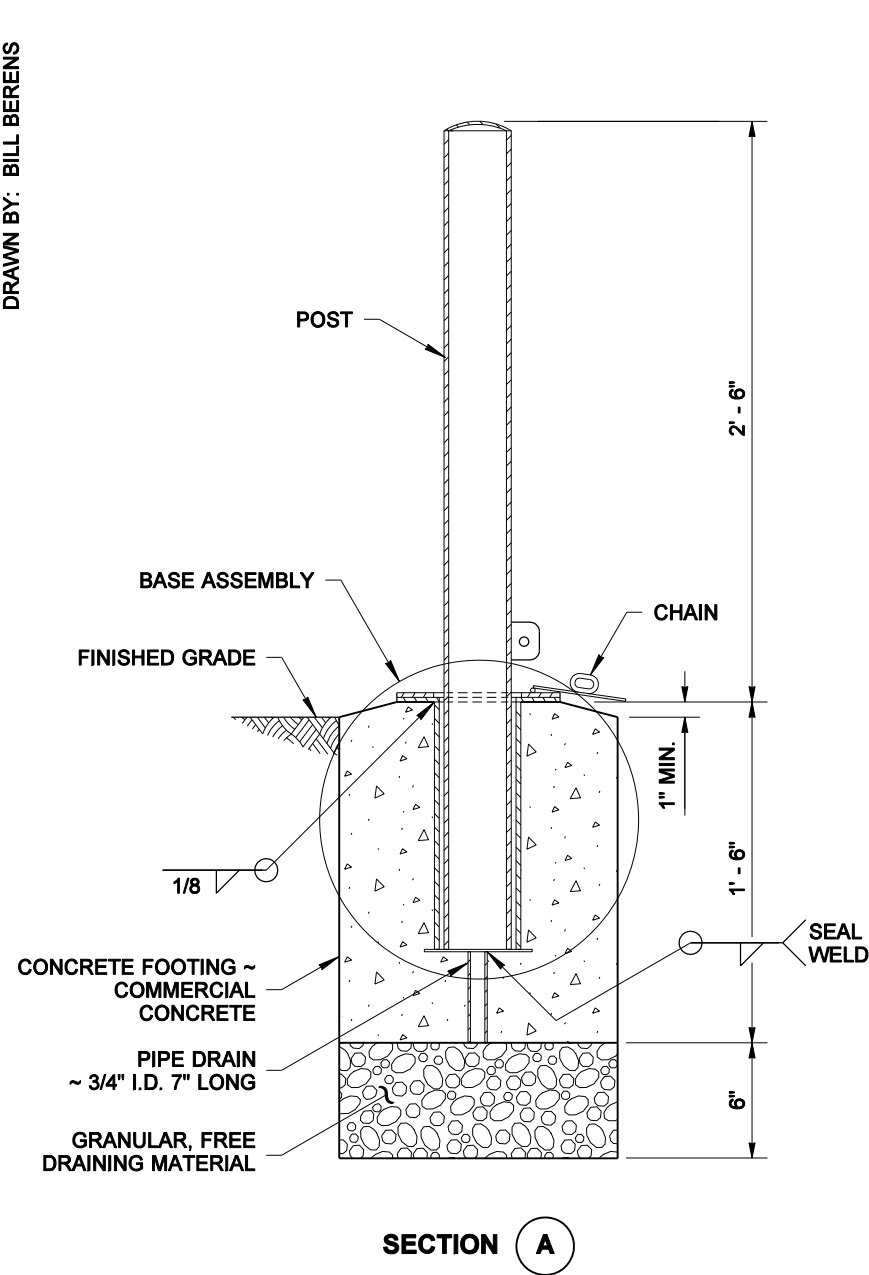
SALLY A. ANDERSON
CERTIFICATE NO. 000372

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.

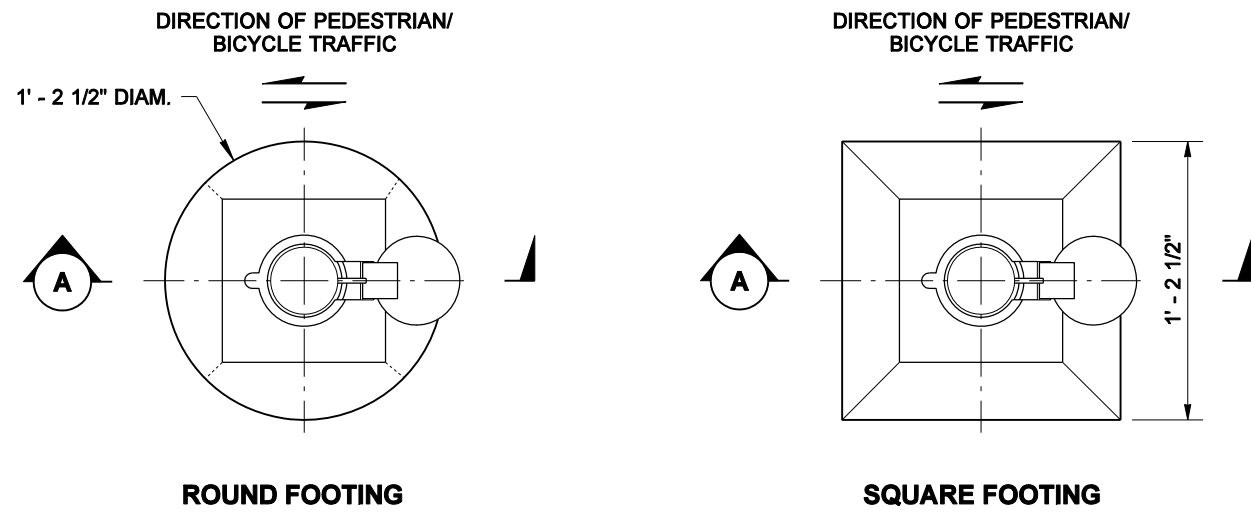
TREE AND SHRUB PLANTING DETAILS
STANDARD PLAN H-10.10-00
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Pasco Bakotich III 07-03-08
STATE DESIGN ENGINEER DATE
Washington State Department of Transportation

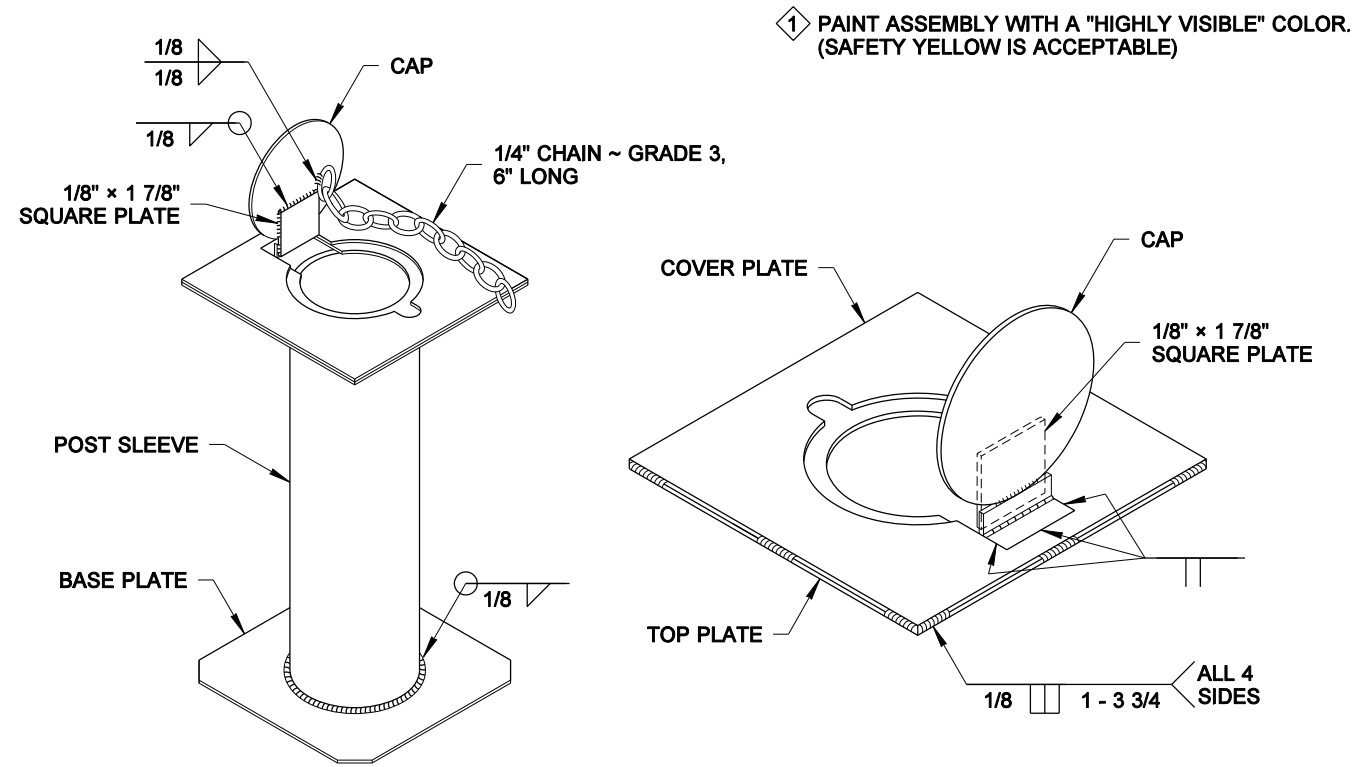
DRAWN BY: BILL BERENS



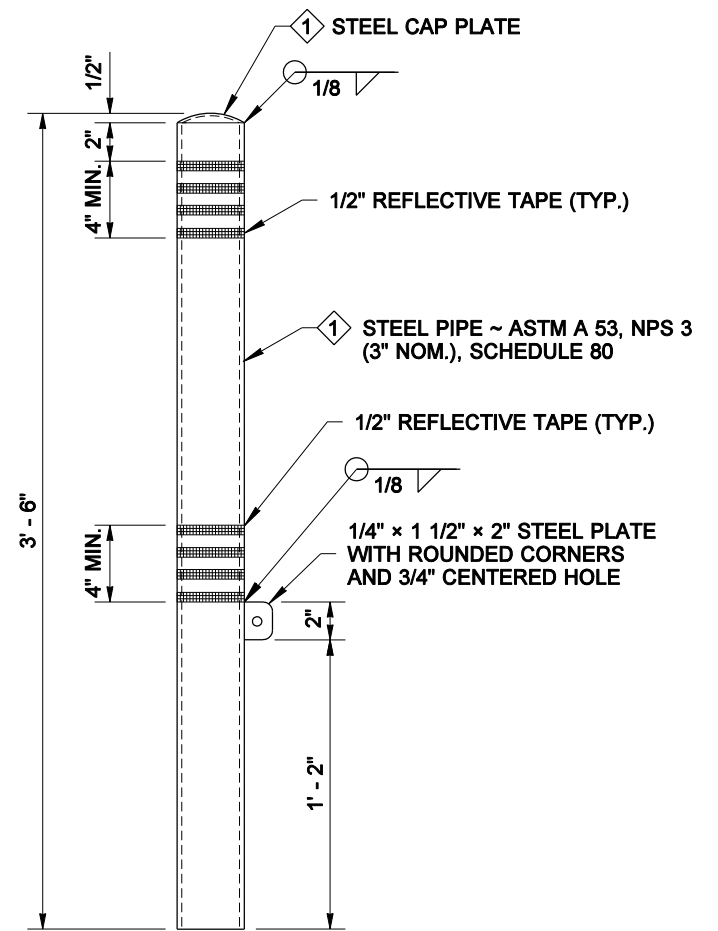
SECTION A



PLAN VIEW



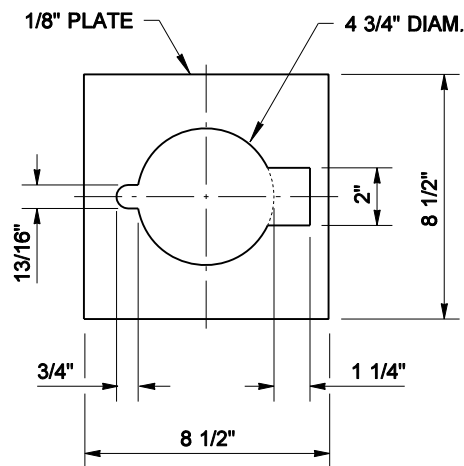
BASE ASSEMBLY



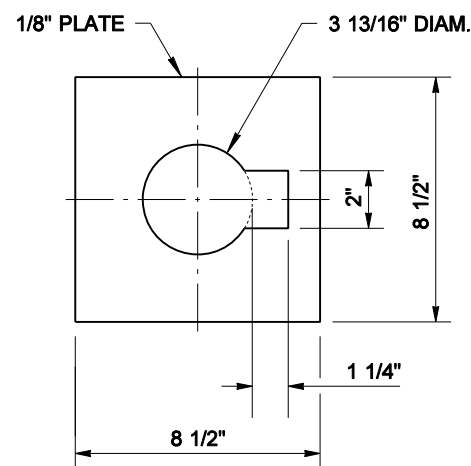
POST

NOTE

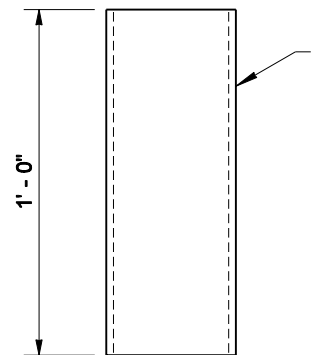
This bollard does not have an effective breakaway design feature and cannot be installed within the Design Clear Zone.



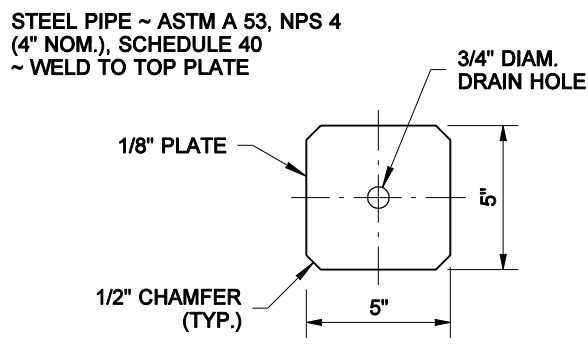
COVER PLATE



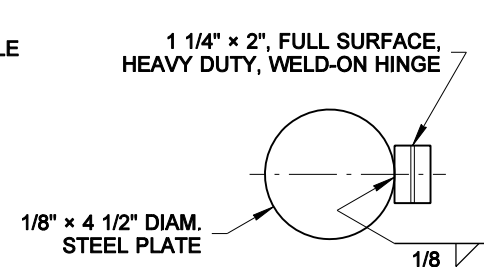
TOP PLATE



POST SLEEVE



BASE PLATE



CAP AND HINGE



EXPIRES JUNE 19, 2010

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BOLLARD TYPE 1

STANDARD PLAN H-60.10-01

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Pasco Bakotich III 07-03-08

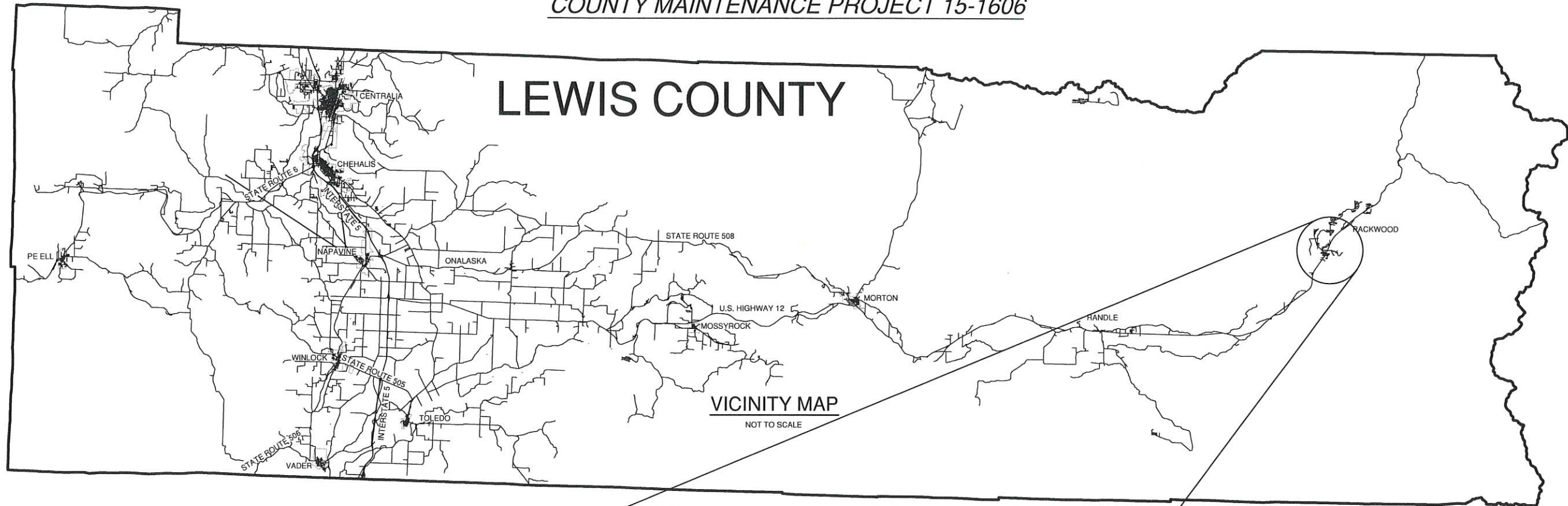
STATE DESIGN ENGINEER

DATE



COWLITZ RIVER PUBLIC ACCESS POINT PROJECT

COUNTY MAINTENANCE PROJECT 15-1606



VICINITY MAP
NOT TO SCALE

LEWIS COUNTY
DEPARTMENT OF PUBLIC WORKS
APPROVED FOR CONSTRUCTION:

[Signature]
County Engineer

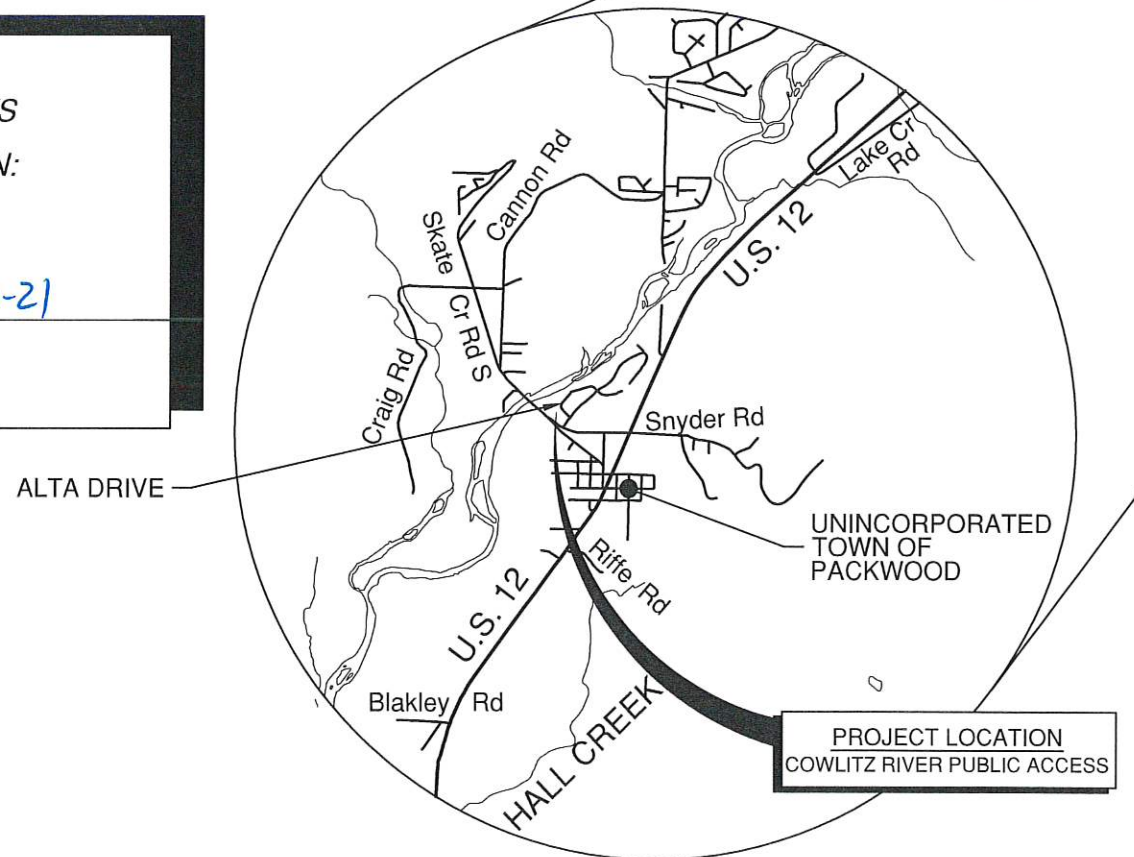
7-20-21
Date

COMMISSIONERS:

SEAN SWOPE, DISTRICT 1
LINDSEY R. POLLOCK, DVM, DISTRICT 2
GARY STAMPER, DISTRICT 3



ENGINEERING-
DESIGN SECTION



SHEET INDEX

NO.	DESCRIPTION
1	VICINITY MAP AND SHEET INDEX
2	SUMMARY OF QUANTITIES
3	LEGEND
4	T.E.S.C. PLAN
5	ROAD AND PARKING LOT PLAN AND PROFILE
6	SECTION A-A AND SECTION B-B
7	SECTION C-C AND SECTION D-D
8	TRAIL PLAN VIEW
9	TRAIL PROFILE VIEW
10	SECTION E-E AND SECTION F-F
11	LOG STRINGER FOOT BRIDGE DETAILS
12	SIGN AND PLANTING PLAN
13	PLANTING ZONE INFORMATION, GATE DETAILS, AND LOG DETAILS

SEC. 15 TWP. 13N. RGE. 9E. W.M.
SUMMARY OF QUANTITIES

LAND LINES ARE APPROXIMATE









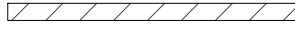



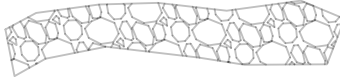
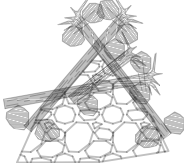
ITEM NUMBER	STD. ITEM NO.	ITEM DESCRIPTION	TOTAL QUANTITY	UNIT
PREPARATION				
1	0001	MOBILIZATION	LUMP SUM	LUMP SUM
2	S.P.	CLEARING AND GRUBBING	LUMP SUM	LUMP SUM
3	0050	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	LUMP SUM
GRADING				
4	S.P.	ROADWAY EXCAVATION INCL. HAUL	2550	C.Y.
5	S.P.	GRAVEL BORROW FOR STRUCTURAL EARTH WALL INCL. HAUL	175	C.Y.
DRAINAGE				
6	1180	SCHEDULE A CULV. PIPE 12 INCH DIAM.	35	L.F.
7	1182	SCHEDULE A CULV. PIPE 18 INCH DIAM.	60	L.F.
BRIDGE				
8	S.P.	LOG STRINGER FOOT BRIDGE	LUMP SUM	LUMP SUM
STRUCTURE				
9	S.P.	PRECAST CONCRETE DOUBLE VAULT TOILET	LUMP SUM	LUMP SUM
10	S.P.	GRAVITY BLOCK WALL	1416	S.F.
11	S.P.	OIL/WATER SEPARATOR	LUMP SUM	LUMP SUM
SURFACING				
12	5100	CRUSHED SURFACING BASE COURSE	2500	TON
13	5120	CRUSHED SURFACING TOP COURSE	1110	TON
EROSION CONTROL AND ROADSIDE PLANTING				
14	6403	ESC LEAD	7	DAYS
15	6422	SEEDING AND MULCHING	0.3	ACRE
16	S.P.	MITIGATION PLANTING	LUMP SUM	LUMP SUM
17	6630	HIGH VISIBILITY FENCE	1065	L.F.
18	6479	WATTLE	300	L.F.
OTHER ITEMS				
19	S.P.	PERMANENT SIGNING	LUMP SUM	LUMP SUM
20	S.P.	NESTING BOX INSTALLATION	18	EACH
21	7041	BOLLARD TYPE 1	5	EACH
22	S.P.	ACCESS CONTROL GATE	1	EACH
23	7725	REIMBURSEMENT FOR THIRD PARTY DAMAGE	ESTIMATE	DOLLAR
24	7728	MINOR CHANGE	CALC	CALC
25	7736	SPILL PREVENTION CONTROL AND COUNTERMEASURES PLAN	LUMP SUM	LUMP SUM

NO.	DATE	REVISION	BY	APP.


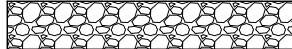

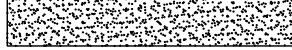

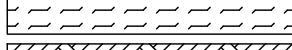





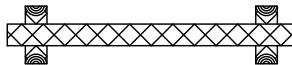




LEGEND

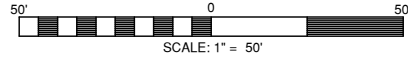
EXISTING FEATURES

-  CONIFER TREE TO REMAIN/PROTECT
-  DECIDUOUS TREE TO REMAIN/PROTECT
-  CONIFER TREE TO BE REMOVED
-  DECIDUOUS TREE TO BE REMOVED
-  EDGE OF ROAD
-  SHOULDER
-  DITCH
-  EDGE OF STREAM
-  EXISTING CULVERT
-  UNDERGROUND TELEPHONE LINE
-  **PARCEL** PROPERTY LINE
-  CONTOUR LINE
-  ROCK BARB
-  LARGE WOODY DEBRIS BANK PROTECTION

NEW CONSTRUCTION

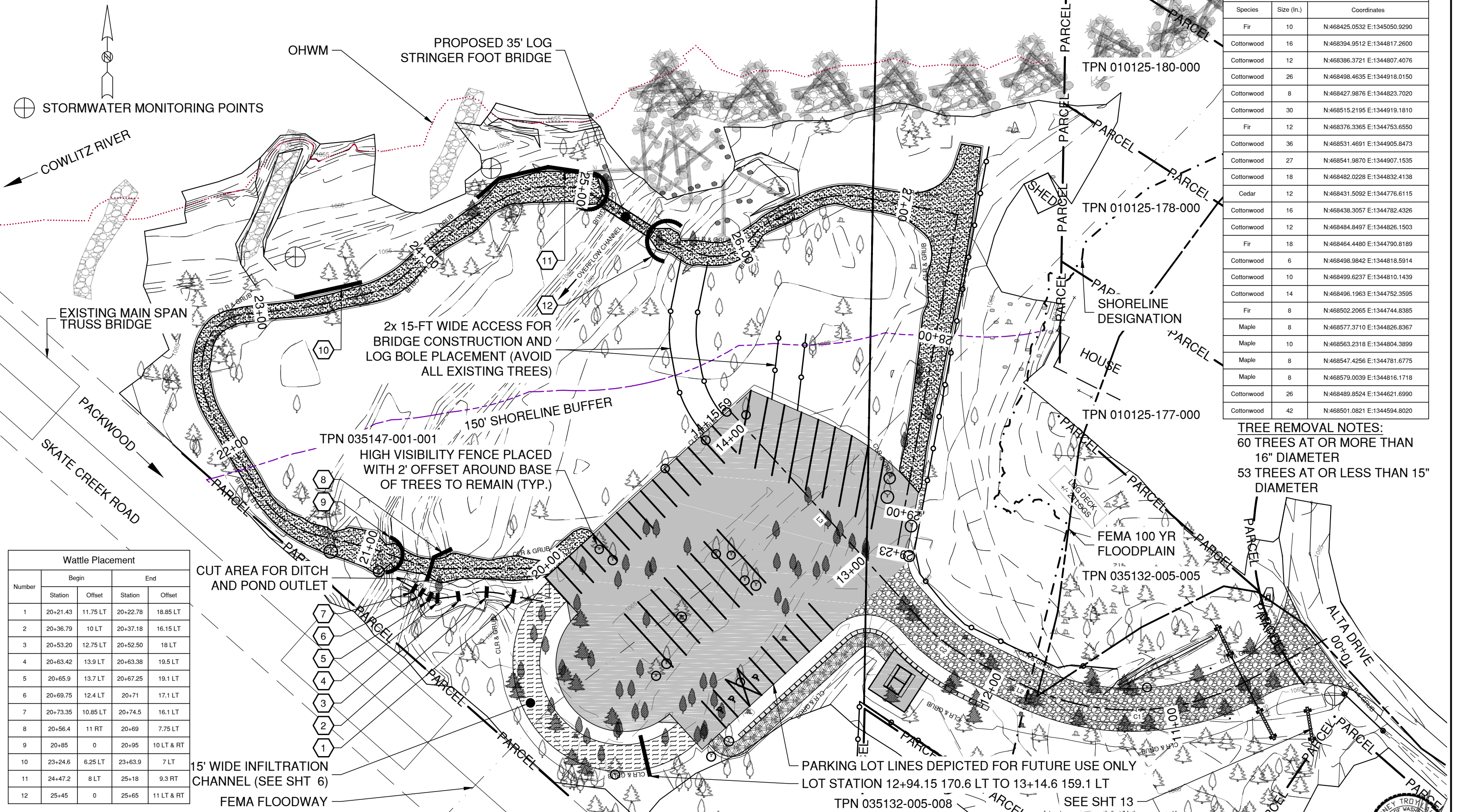
-  CENTERLINE
-  24' WIDE GRAVEL ENTRANCE ROAD
-  PARKING AREA: 22 PASSENGER VEHICLES
13 VEHICLES WITH TRAILERS
-  GRAVEL TRAIL
-  RAMP ACCESS TO VAULT TOILETS
-  INFILTRATION POND
-  KAYAK/CANOE LAUNCH AREA LOCATION (NO CONSTRUCTION)
-  HIGH VISIBILITY FENCE
-  WATTLE
-  ACCESS CONTROL GATE
-  GRAVITY BLOCK WALL
-  LOGS FOR VEHICLE DEMARCATION (LOGS)
-  BOLLARD TYPE I
-  HABITAT LOG BOLES

NO.	DATE	REVISION	BY	APP.



SEC. 15 TWP. 13N. RGE. 9E. W.M.

LAND LINES ARE APPROXIMATE



Trees to Protect within Parking Area/Trail/Road		
Species	Size (In.)	Coordinates
Fir	10	N:468425.0532 E:1345050.9290
Cottonwood	16	N:468394.9512 E:1344817.2600
Cottonwood	12	N:468386.3721 E:1344807.4076
Cottonwood	26	N:468498.4635 E:1344918.0150
Cottonwood	8	N:468427.9876 E:1344823.7020
Cottonwood	30	N:468515.2195 E:1344919.1810
Fir	12	N:468376.3365 E:1344753.6550
Cottonwood	36	N:468531.4691 E:1344905.8473
Cottonwood	27	N:468541.9870 E:1344907.1535
Cottonwood	18	N:468482.0228 E:1344832.4138
Cedar	12	N:468431.5092 E:1344776.6115
Cottonwood	16	N:468484.3057 E:1344782.4326
Cottonwood	12	N:468484.8497 E:1344826.1503
Fir	18	N:468464.4480 E:1344790.8189
Cottonwood	6	N:468498.9842 E:1344818.5914
Cottonwood	10	N:468499.6237 E:1344810.1439
Cottonwood	14	N:468496.1963 E:1344752.3595
Fir	8	N:468502.2065 E:1344744.8385
Maple	8	N:468577.3710 E:1344826.8367
Maple	10	N:468563.2318 E:1344804.3899
Maple	8	N:468547.4256 E:1344781.6775
Maple	8	N:468579.0039 E:1344816.1718
Cottonwood	26	N:468489.8524 E:1344621.6990
Cottonwood	42	N:468501.0821 E:1344594.8020

TREE REMOVAL NOTES:
 60 TREES AT OR MORE THAN 16" DIAMETER
 53 TREES AT OR LESS THAN 15" DIAMETER

Wattle Placement				
Number	Begin		End	
	Station	Offset	Station	Offset
1	20+21.43	11.75 LT	20+22.78	18.85 LT
2	20+36.79	10 LT	20+37.18	16.15 LT
3	20+53.20	12.75 LT	20+52.50	18 LT
4	20+63.42	13.9 LT	20+63.38	19.5 LT
5	20+65.9	13.7 LT	20+67.25	19.1 LT
6	20+69.75	12.4 LT	20+71	17.1 LT
7	20+73.35	10.85 LT	20+74.5	16.1 LT
8	20+56.4	11 RT	20+69	7.75 LT
9	20+85	0	20+95	10 LT & RT
10	23+24.6	6.25 LT	23+63.9	7 LT
11	24+47.2	8 LT	25+18	9.3 RT
12	25+45	0	25+65	11 LT & RT

Lewis County
 Department of Public Works
 2025 NE KRESKY AVE.
 CHEHALIS WA 98532
 PHONE # (360) 740-1123
 FAX # (360) 740-2719

DESIGNED BY : RTL
 DRAWN BY : WSR
 CHECKED BY :
 DATE : 07/16/2021

NO.	DATE	REVISION	BY	APP.

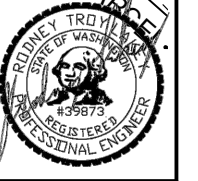
COWLITZ RIVER PUBLIC ACCESS POINT

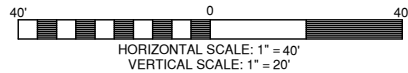
COUNTY MAINTENANCE PROJECT 15-1606
 T.E.S.C. PLAN

SHEET
4
 OF
13



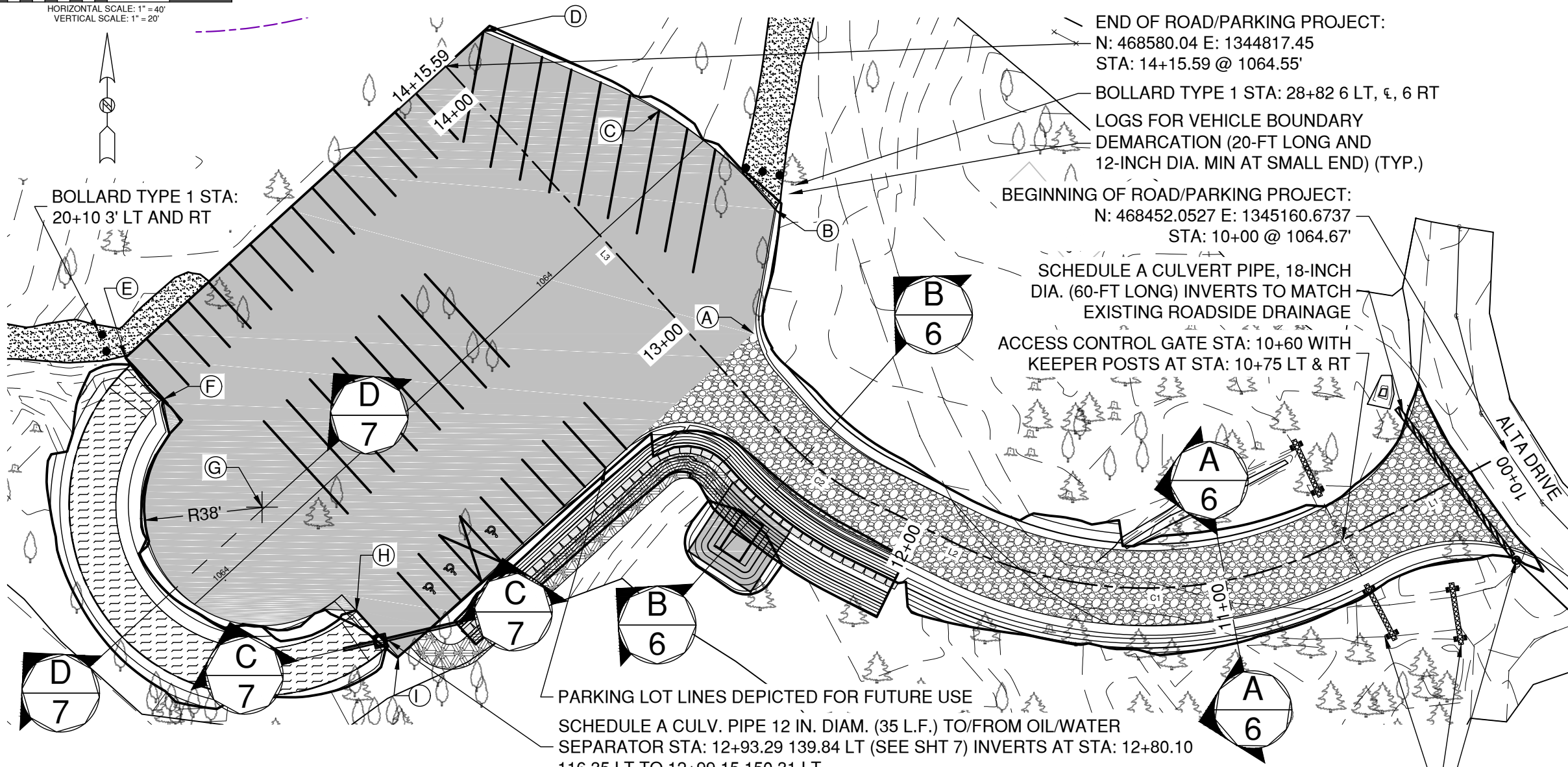
Rodney Troy Lakey, P.E.
 Senior Engineer
 Design/ENV.
 Date: Jul 16, 2021





SEC. 15 TWP. 13N. RGE. 9E. W.M.

LAND LINES ARE APPROXIMATE



ROAD CENTERLINE DATA				
Number	Station	Length	Radius	Line/Delta
L1	10+00 - 10+57.61	57.61		S62° 01' 46"W
C1	10+57.61 - 11+88.16	130.56	137.00	S88° 45' 58"W
L2	11+88.16 - 12+18.30	30.14		N63° 56' 00"W
C2	12+18.30 - 12+56.50	38.20	100.00	N52° 59' 23"W
L3	12+56.50 - 14+15.59	159.09		N42° 20' 53"W

PARKING LOT DATA		
Point	Station	Offset
A	12+85.59	16.61 RT
B	13+10.17	47.25 RT
C	13+58.83	41.00 RT
D	14+15.59	16.45 RT
E	14+15.59	138.93 LT
F	13+95.60	138.93 LT
G	13+50.60	138.93 LT
H	13+05.39	138.93 LT
I	12+85.59	138.93 LT

BOTTOM FACE OF GRAVITY BLOCK WALL		
Station	Offset	Top Elevation
12+00	19.5 LT	1070
12+19.07	19.5 LT	1070
12+58	19.5 LT	1070
12+78.10	37.68 LT	1068.5
12+78.10	72.28 LT	1067
12+78.10	103.03 LT	1065.5
12+78.10	118.4 LT	1065.5

1061' BOTTOM ELEVATION OF GRAVITY BLOCK WALL (TYP.)

EXISTING GROUND
 GRADE CHANGE STA: 12+81.08 @ 1063.54'
 END OF PROJECT STA: 14+15.59 @ 1064.55'

20-FT LONG LOGS STA: 10+60 13.75-33.75 LT AND RT PLACED ON BOTH SIDES OF GATE
 20-FT LONG LOG STA: 10+39 38 LT PLACED ACROSS EXISTING DRIVEWAY

ACCESS CONTROL GATE STA: 10+60 WITH KEEPER POSTS AT STA: 10+75 LT & RT

BEGINNING OF ROAD/PARKING PROJECT: N: 468452.0527 E: 1345160.6737 STA: 10+00 @ 1064.67'

END OF ROAD/PARKING PROJECT: N: 468580.04 E: 1344817.45 STA: 14+15.59 @ 1064.55'

BOLLARD TYPE 1 STA: 20+10 3' LT AND RT

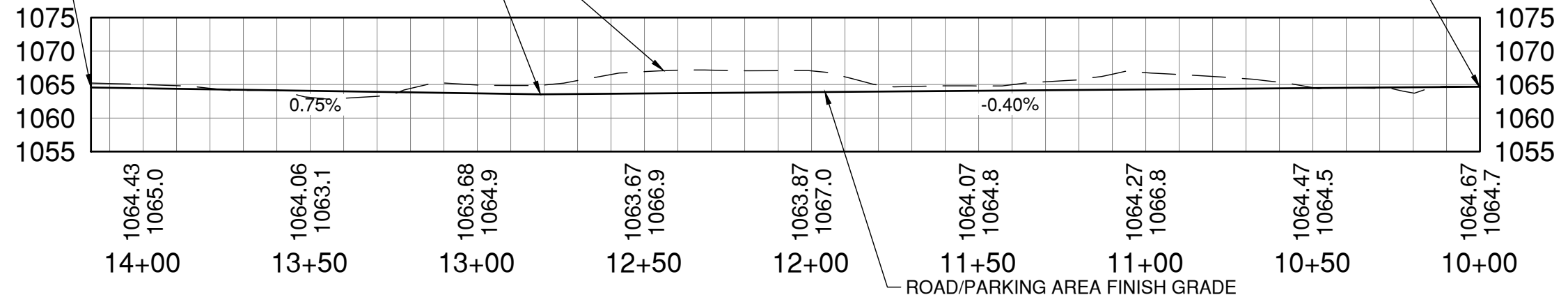
BOLLARD TYPE 1 STA: 28+82 6 LT, 6 RT

SCHEDULE A CULVERT PIPE, 18-INCH DIA. (60-FT LONG) INVERTS TO MATCH EXISTING ROADSIDE DRAINAGE

SCHEDULE A CULV. PIPE 12 IN. DIA. (35 L.F.) TO/FROM OIL/WATER SEPARATOR STA: 12+93.29 139.84 LT (SEE SHT 7) INVERTS AT STA: 12+80.10 116.35 LT TO 12+99.15 150.31 LT

PARKING LOT LINES DEPICTED FOR FUTURE USE

LOGS FOR VEHICLE BOUNDARY DEMARCATION (20-FT LONG AND 12-INCH DIA. MIN AT SMALL END) (TYP.)

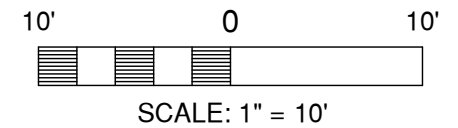
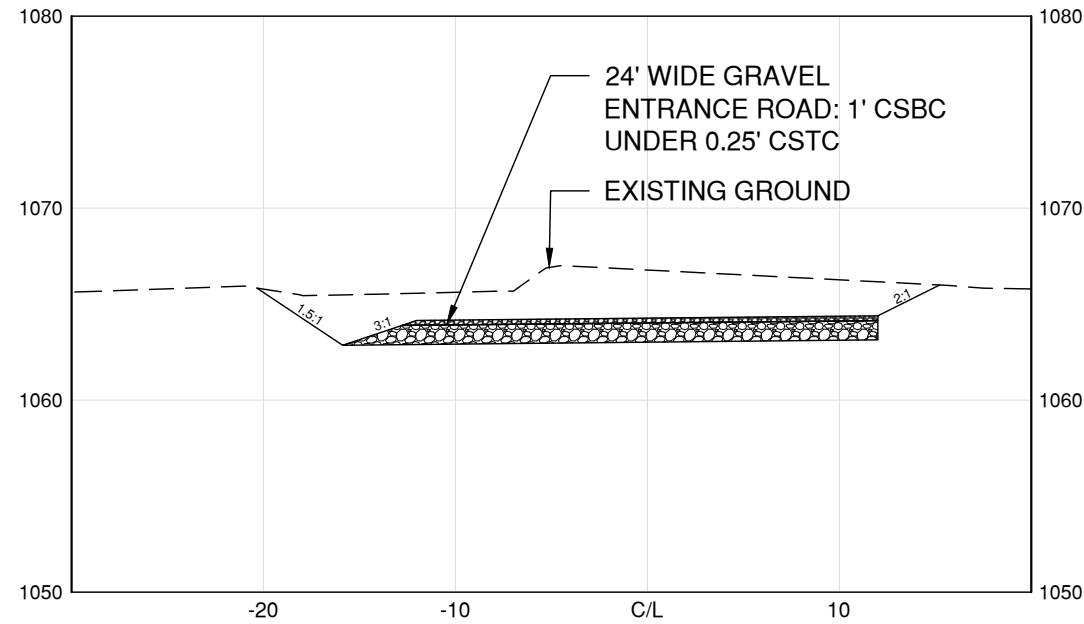


DESIGNED BY :	NO.	DATE	REVISION	BY	APP.
RTL					
WSR					
DATE : 07/16/2021					



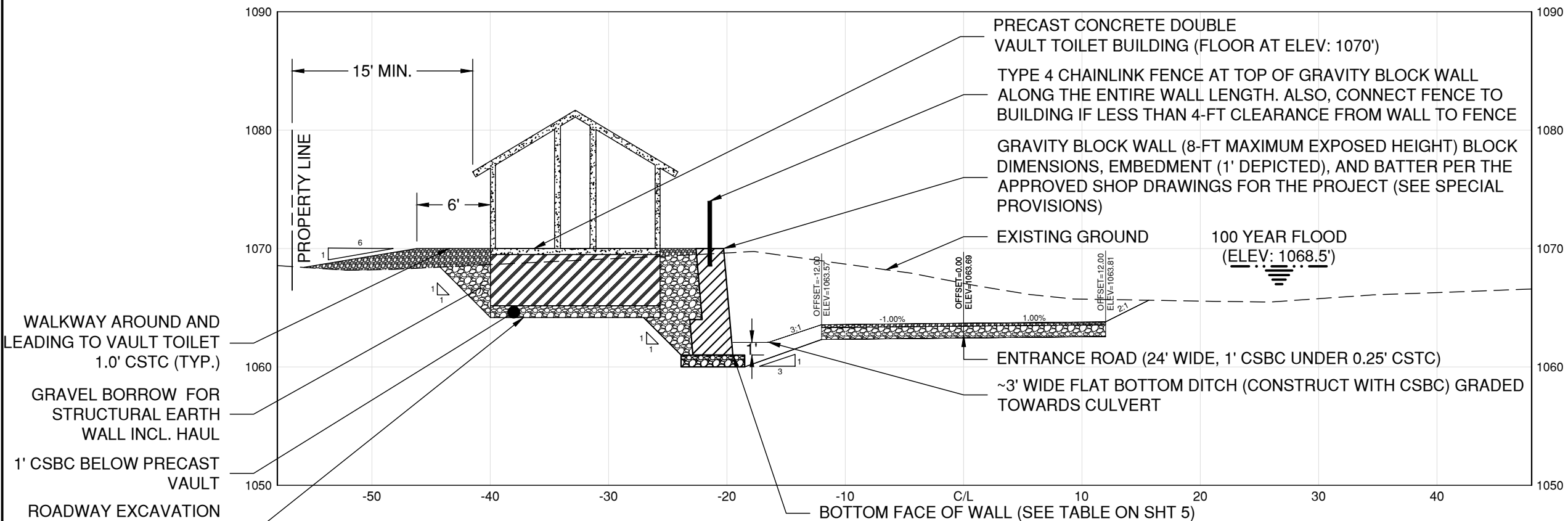
SEC. 15 TWP. 13N. RGE. 9E. W.M.

LAND LINES ARE APPROXIMATE



SECTION A-A - 24' WIDE GRAVEL ENTRANCE ROAD SECTION (STA: 11+00)

SCALE: 1" = 10'



WALKWAY AROUND AND LEADING TO VAULT TOILET 1.0' CSTC (TYP.)
GRAVEL BORROW FOR STRUCTURAL EARTH WALL INCL. HAUL
1' CSBC BELOW PRECAST VAULT
ROADWAY EXCAVATION INCL. HAUL (ALL PROJECT EXCAVATION)

SECTION B-B - VAULT TOILET BUILDING/ACCESS ROAD CROSS SECTION (STA: 12+45)

SCALE: 1" = 10'

Lewis County
2025 NE KRESKY AVE.
CHEHALIS WA 98532
PHONE # (360) 740-1123
FAX # (360) 740-2719
Department of Public Works

DESIGNED BY : RTL
DRAWN BY : WSR
CHECKED BY :
DATE : 07/16/2021

NO.	DATE	REVISION	BY	APP.

COWLITZ RIVER PUBLIC ACCESS POINT

COUNTY MAINTENANCE PROJECT 15-1606

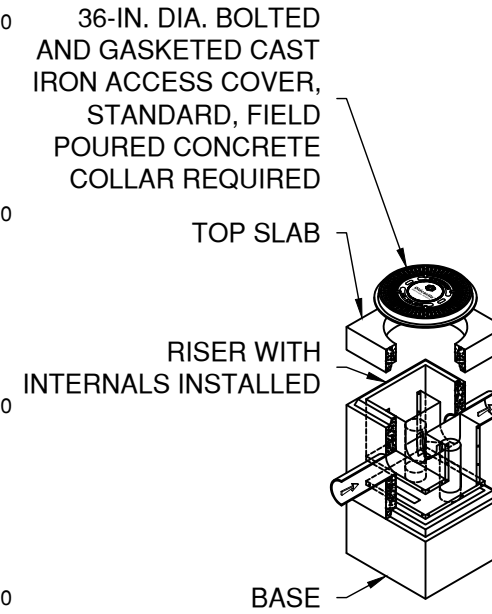
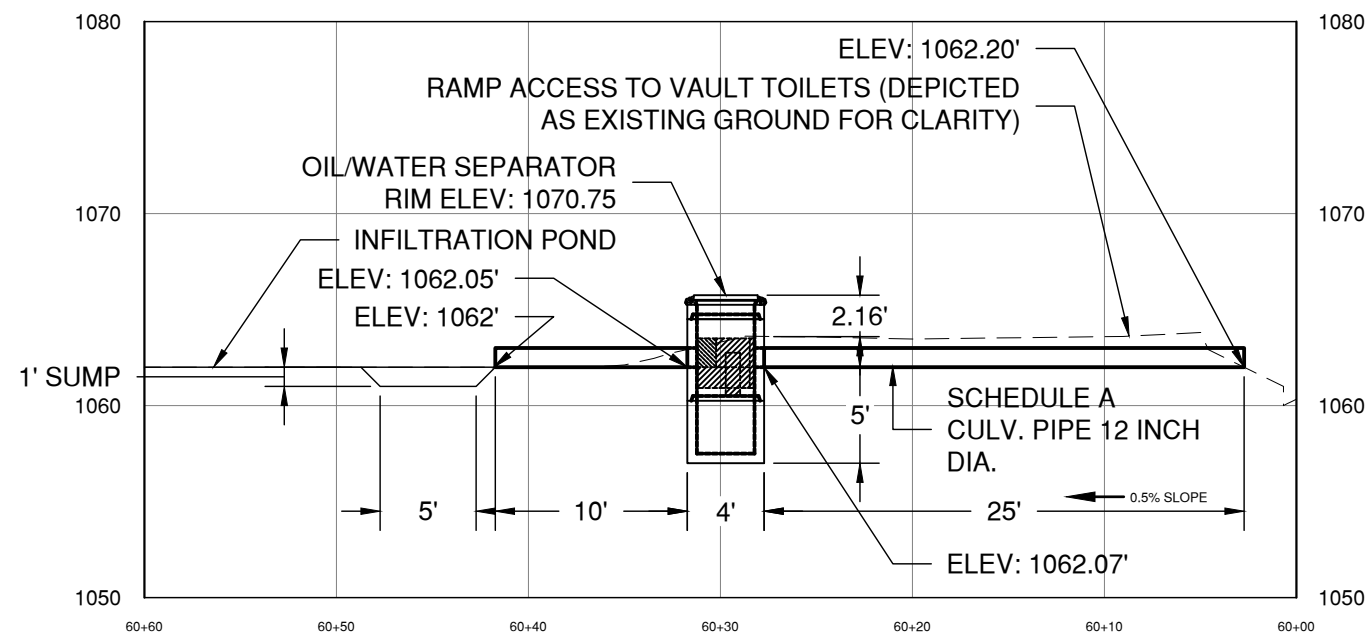
SECTION A-A AND SECTION B-B

SHEET
6
OF
13



Rodney Troy Lakey, P.E.
Senior Engineer
Design/ENV.
Date: Jul 16, 2021

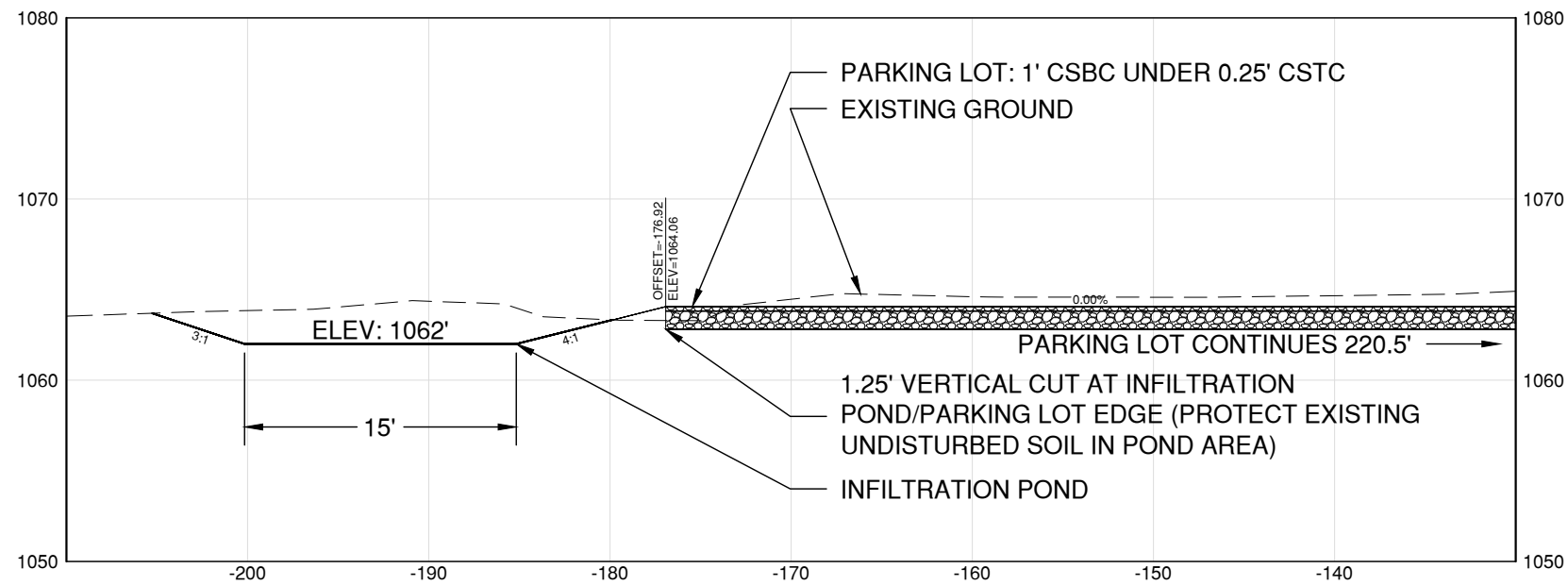




OIL/WATER SEPARATOR NOTE:
 DETAIL FROM OLDCASTLE
 INFRASTRUCTURE DRAWING NO.
 DVS-36S REV. D DATED 1/10/19.

SECTION C-C - OIL/WATER SEPARATOR

SCALE: 1" = 10'



SECTION D-D - PARKING LOT/INFILTRATION POND SECTION (STA: 13+50)

SCALE: 1" = 10'

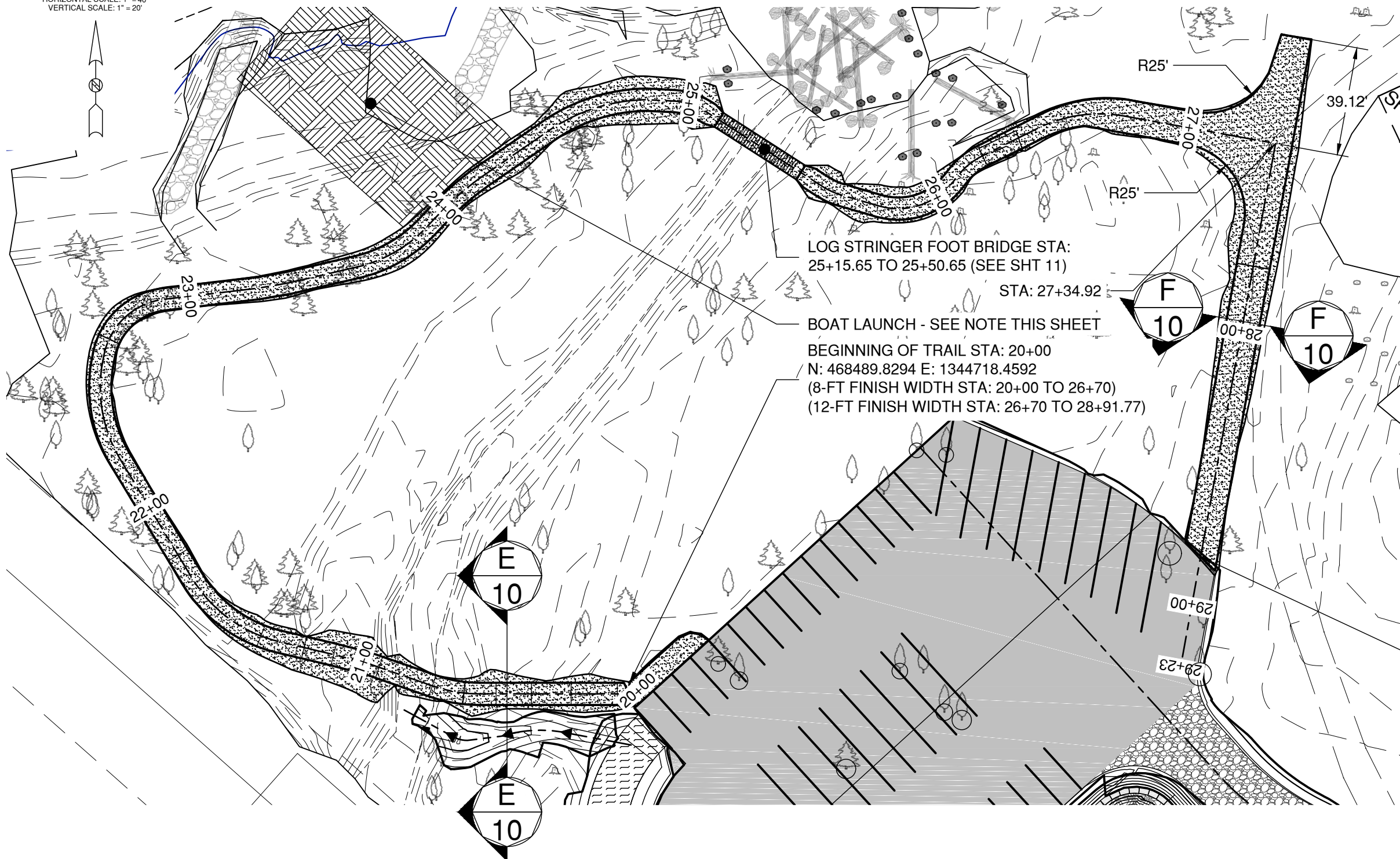
NO.	DATE	REVISION	BY	APP.



HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 20'

SEC. 15 TWP. 13N. RGE. 9E. W.M.

LAND LINES ARE APPROXIMATE



LOG STRINGER FOOT BRIDGE STA:
25+15.65 TO 25+50.65 (SEE SHT 11)

STA: 27+34.92

BOAT LAUNCH - SEE NOTE THIS SHEET
BEGINNING OF TRAIL STA: 20+00
N: 468489.8294 E: 1344718.4592
(8-FT FINISH WIDTH STA: 20+00 TO 26+70)
(12-FT FINISH WIDTH STA: 26+70 TO 28+91.77)

TRAIL CENTERLINE DATA				
Number	Station	Length	Radius	Line/Delta
C3	20+00 - 20+04.16	4.16	5.00	N66° 10' 21"W
L4	20+04.16 - 20+60.10	55.94		N90° 00' 00"W
C4	20+60.10 - 20+76.77	16.67	50.00	N80° 26' 57"W
L5	20+76.77 - 21+01.48	24.71		N70° 53' 53"W
C5	21+01.48 - 21+02.29	0.81	10.00	N73° 13' 01"W
L6	21+02.29 - 21+14.89	12.60		N75° 32' 08"W
L7	21+14.89 - 21+34.65	19.76		N76° 37' 54"W
C6	21+34.65 - 21+74.37	39.72	50.00	N53° 52' 22"W
L8	21+74.37 - 22+24.31	49.94		N31° 06' 50"W
C7	22+24.31 - 22+60.96	36.64	50.00	N10° 07' 07"W
L9	22+60.96 - 22+63.16	2.21		N10° 52' 36"E
C8	22+63.16 - 22+94.75	31.58	25.00	N47° 04' 08"E
L10	22+94.75 - 23+29.08	34.34		N83° 15' 40"E
L11	23+29.08 - 23+40.14	11.06		N80° 05' 29"E
L12	23+40.14 - 23+65.19	25.04		N76° 55' 17"E
C9	23+65.19 - 23+94.47	29.28	50.00	N60° 08' 41"E
L13	23+94.47 - 24+01.39	6.93		N43° 22' 06"E
C10	24+01.39 - 24+22.52	21.13	100.00	N49° 25' 19"E
L14	24+22.52 - 24+52.32	29.80		N55° 28' 32"E
C11	24+52.32 - 24+87.70	35.38	64.06	N73° 03' 42"E
L15	24+87.70 - 24+97.26	9.56		S87° 15' 10"E
C12	24+97.26 - 25+10.35	13.09	25.00	S72° 15' 27"E
L16	25+10.35 - 25+60.02	49.67		S57° 15' 44"E
C13	25+60.02 - 25+67.24	7.22	25.00	S65° 31' 59"E
L17	25+67.24 - 25+81.42	14.18		S73° 48' 14"E
C14	25+81.42 - 26+10.90	29.48	25.00	N72° 24' 41"E
L18	26+10.90 - 26+14.38	3.48		N38° 37' 37"E
C15	26+14.38 - 26+25.24	10.86	25.00	N51° 04' 22"E
L19	26+25.24 - 26+47.61	22.37		N63° 31' 07"E
C16	26+47.61 - 26+79.68	32.07	50.00	N81° 53' 45"E
L20	26+79.68 - 27+03.92	24.24		S79° 43' 36"E
L21	27+03.92 - 27+34.92	31.00		S79° 43' 36"E
L22	27+34.92 - 27+65.92	31.00		S10° 16' 24"W
L23	27+65.92 - 29+22.59	156.67		S10° 16' 24"W

END OF TRAIL STA: 28+91.77
N: 468540.8157 E: 1344918.2858

BOAT LAUNCH NOTE:
NO EXCAVATION IS PROPOSED FOR THIS BOAT LAUNCH, RATHER, A SIGN WILL BE POSTED AS DIRECTED BY THE ENGINEER.

Lewis County
Department of Public Works
2025 NE KRESKY AVE.
CHEHALIS WA 98532
PHONE # (360) 740-1123
FAX # (360) 740-2719

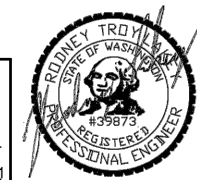
NO.	DATE	REVISION	BY	APP.

COUNTY MAINTENANCE PROJECT 15-1606
TRAIL PLAN VIEW
COWLITZ RIVER PUBLIC ACCESS POINT

SHEET
8 OF 13

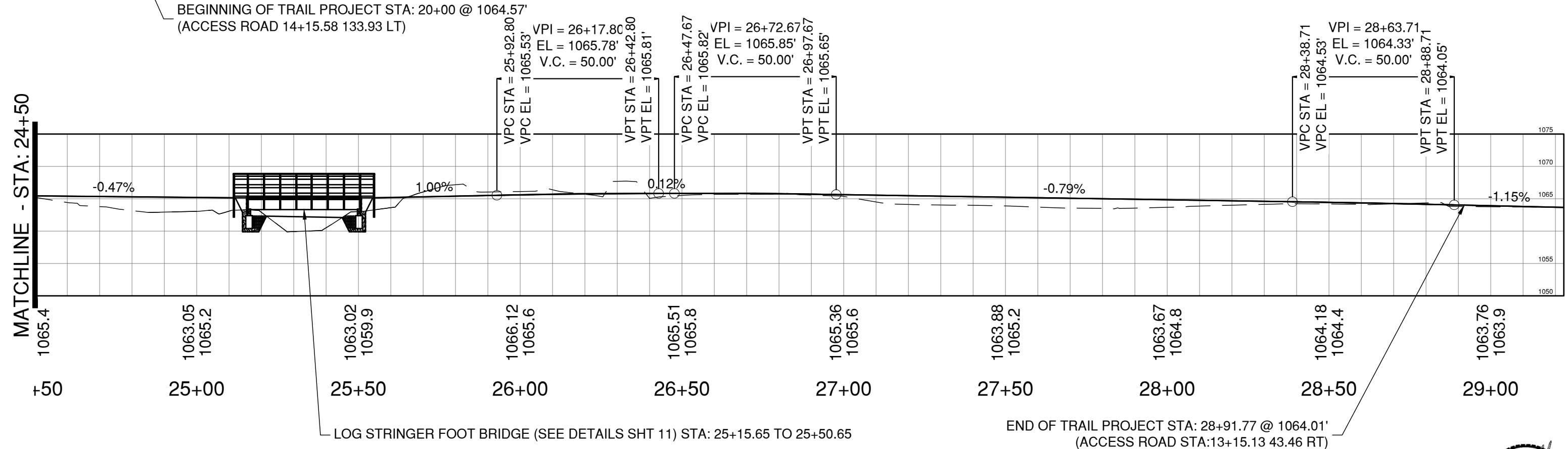
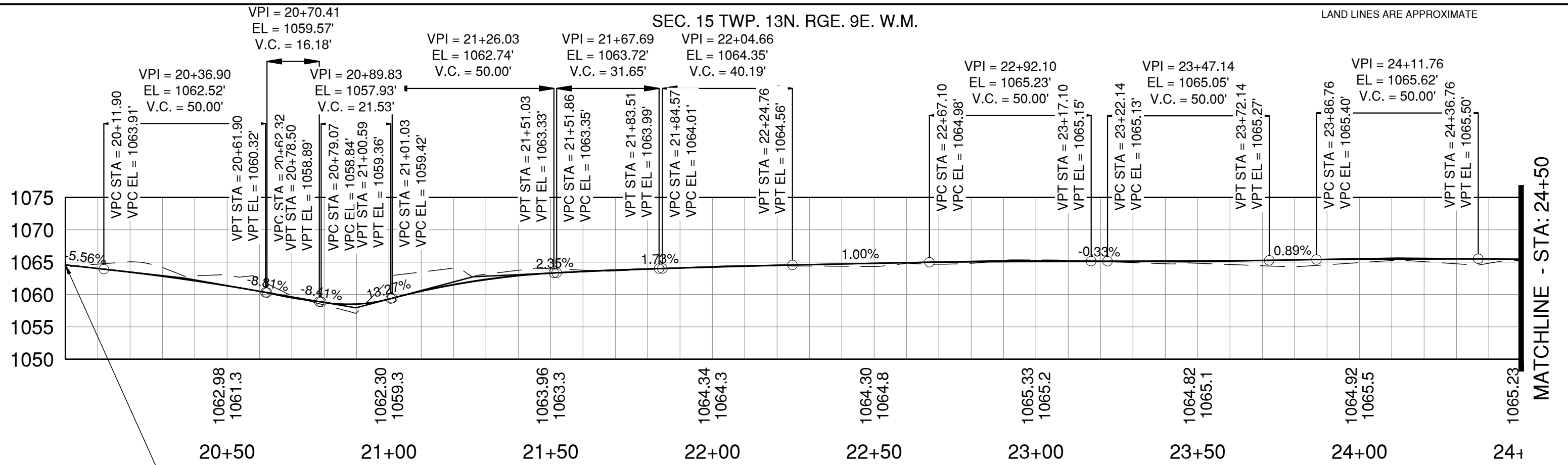


Rodney Troy Lakey, P.E.
Senior Engineer
Design/ENV.
Date: Jul 16, 2021



SEC. 15 TWP. 13N. RGE. 9E. W.M.

LAND LINES ARE APPROXIMATE



BEGINNING OF TRAIL PROJECT STA: 20+00 @ 1064.57'
(ACCESS ROAD 14+15.58 133.93 LT)

LOG STRINGER FOOT BRIDGE (SEE DETAILS SHT 11) STA: 25+15.65 TO 25+50.65

END OF TRAIL PROJECT STA: 28+91.77 @ 1064.01'
(ACCESS ROAD STA:13+15.13 43.46 RT)

MATCHLINE - STA: 24+50

MATCHLINE - STA: 24+50

Lewis County
Department of Public Works
2025 NE KRESKY AVE.
CHEHALIS WA 98532
PHONE # (360) 740-1123
FAX # (360) 740-2719

DESIGNED BY : RTL
DRAWN BY : WSR
CHECKED BY :
DATE : 07/16/2021

NO.	DATE	REVISION	BY	APP.

COWLITZ RIVER PUBLIC ACCESS POINT

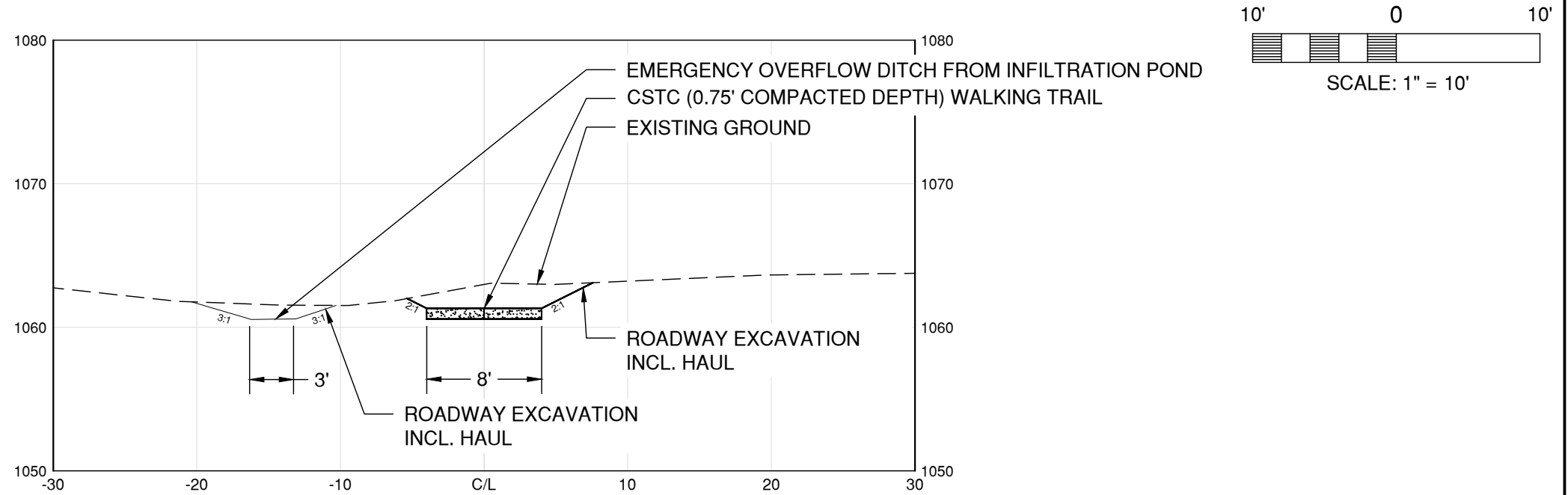
COUNTY MAINTENANCE PROJECT 15-1606
TRAIL PROFILE VIEW

SHEET
9 OF 13



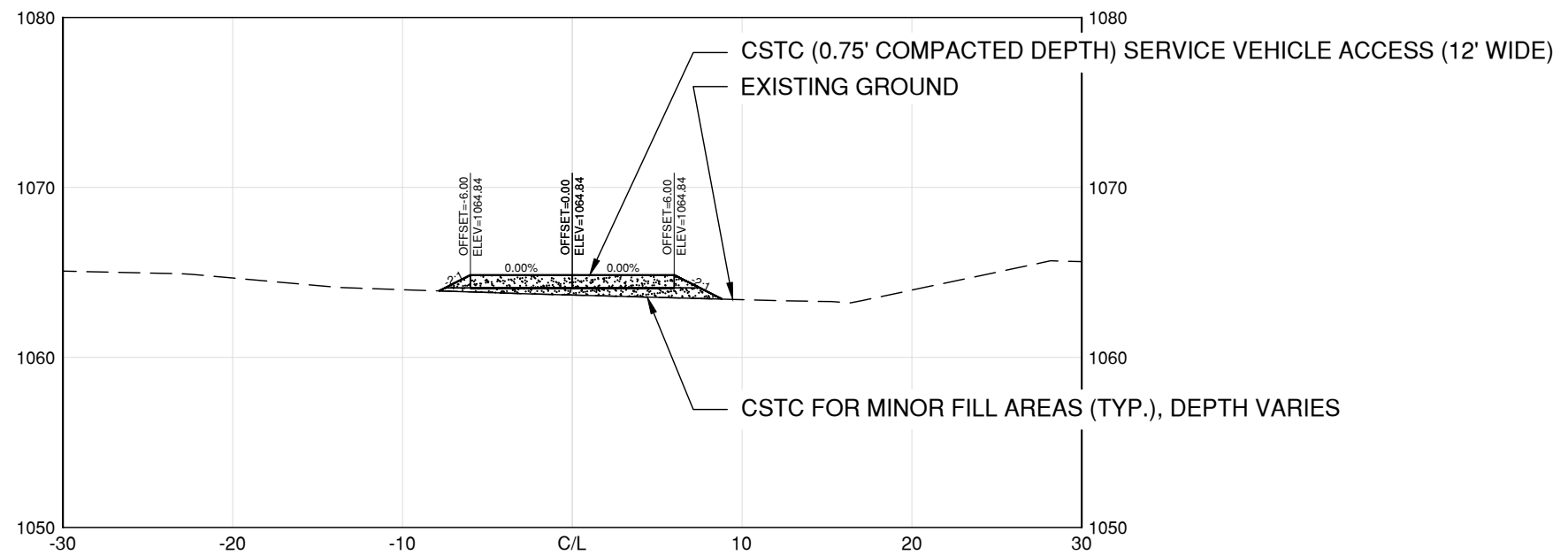
Rodney Troy Lakey, P.E.
Senior Engineer
Design/ENV.
Date: Jul 16, 2021





SECTION E-E - WALKING TRAIL/DRAINAGE DITCH SECTION (STA: 20+50)

SCALE: 1" = 10'

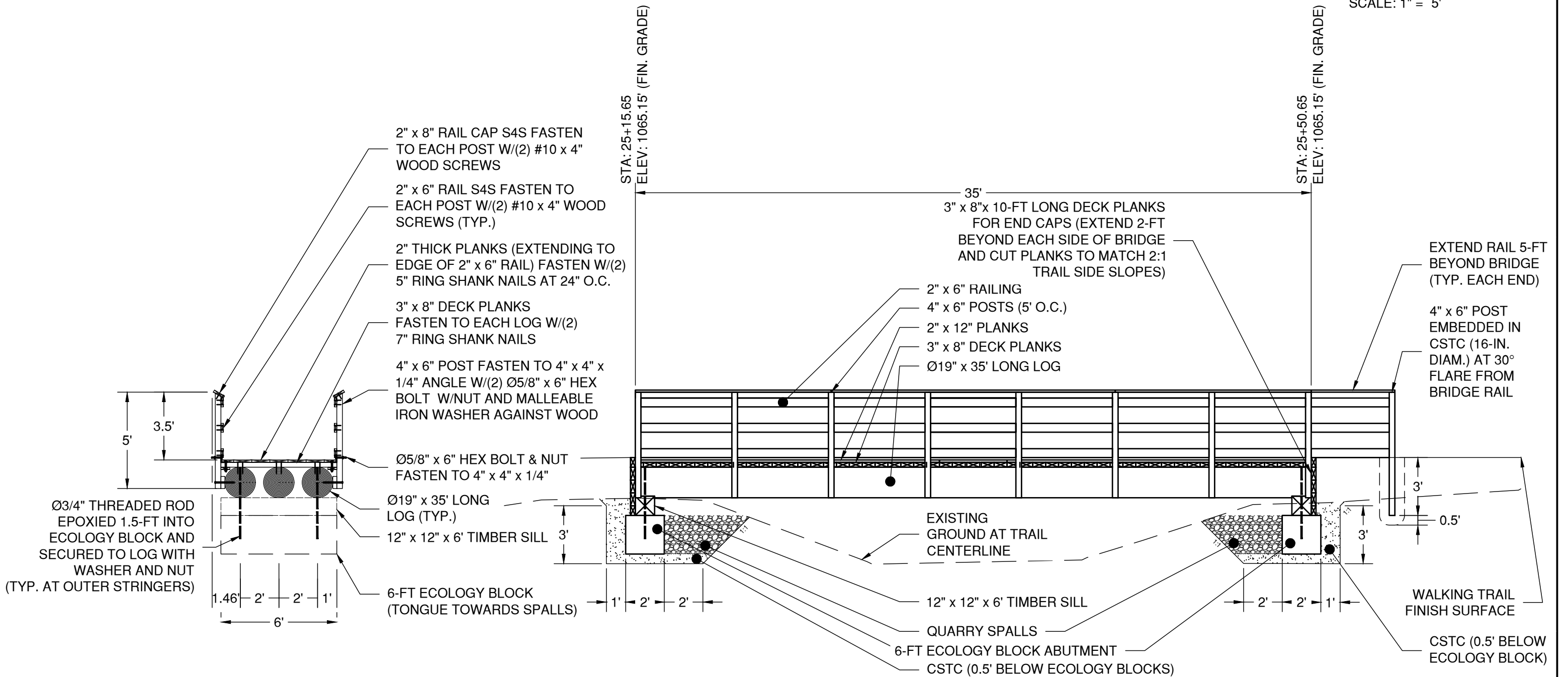


SECTION F-F - SERVICE VEHICLE ACCESS TRAIL CROSS SECTION (STA: 28+00)

SCALE: 1" = 10'

NO.	DATE	REVISION	BY	APP.





LOG STRINGER FOOT BRIDGE SECTION AND ELEVATION

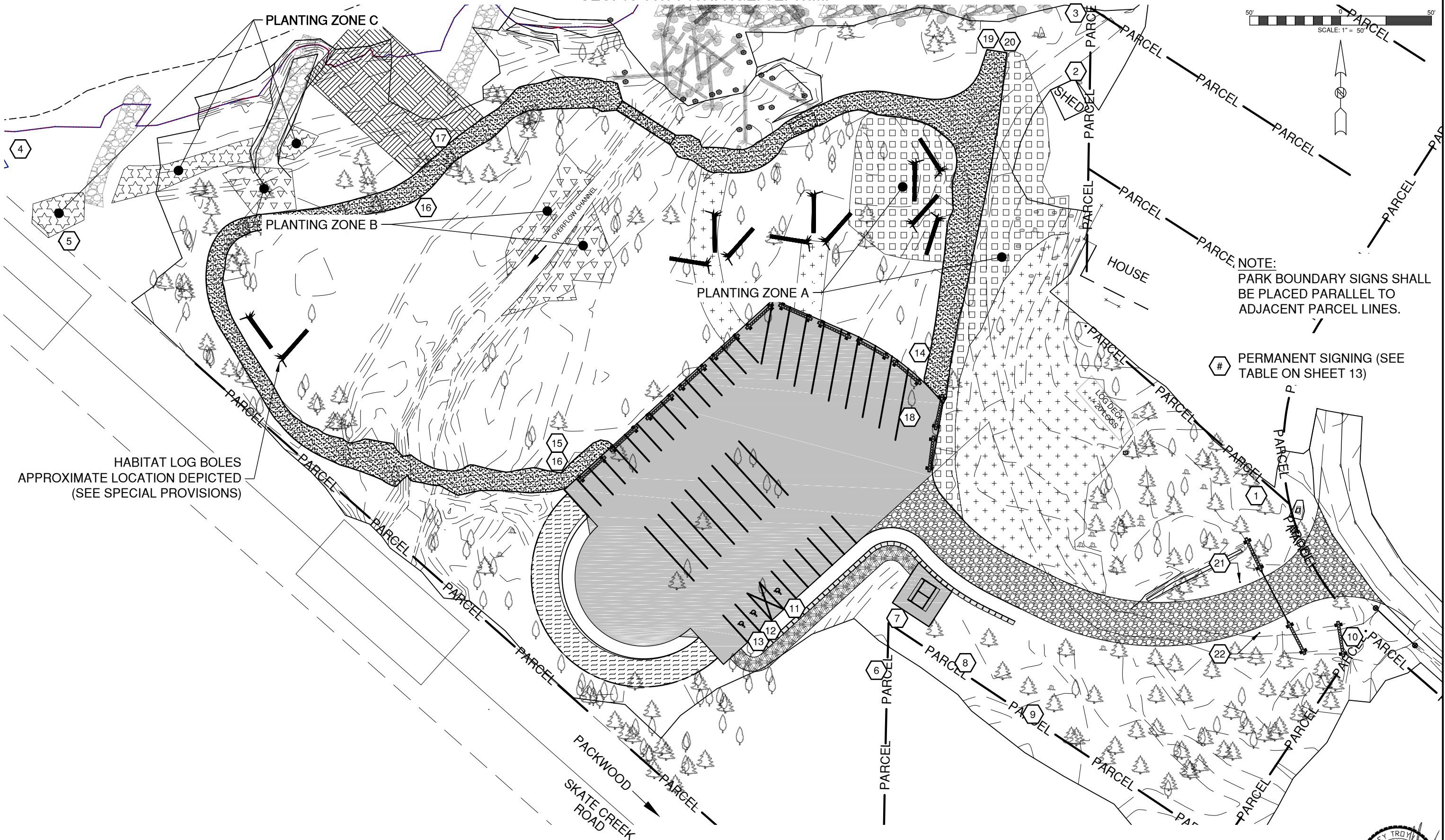
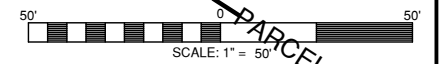
SCALE: 1" = 5'

NOTE: ALL DIMENSIONAL LUMBER SHALL BE PRESSURE TREATED

NO.	DATE	REVISION	BY	APP.

SEC. 15 TWP. 13N. RGE. 9E. W.M.

LAND LINES ARE APPROXIMATE



NOTE:
PARK BOUNDARY SIGNS SHALL
BE PLACED PARALLEL TO
ADJACENT PARCEL LINES.

PERMANENT SIGNING (SEE
TABLE ON SHEET 13)

Lewis County
Department of Public Works
2025 NE KRESKY AVE.
CHEHALIS WA 98532
PHONE # (360) 740-1123
FAX # (360) 740-2719

DESIGNED BY :	NO.	DATE	REVISION	BY	APP.
RTL					
DRAWN BY :					
WSR					
CHECKED BY :					
DATE : 07/16/2021					

COWLITZ RIVER PUBLIC ACCESS POINT

COUNTY MAINTENANCE PROJECT 15-1606
SIGN AND PLANTING PLAN

SHEET
12 OF 13

CALL 48 HOURS BEFORE YOU DIG.
1-800-424-5555
"It's the Law"
Utilities Underground Location Center

Rodney Troy Lakey, P.E.
Senior Engineer
Design/ENV.
Date: Jul. 16, 2021



SEC. 15 TWP. 13N. RGE. 9E. W.M.

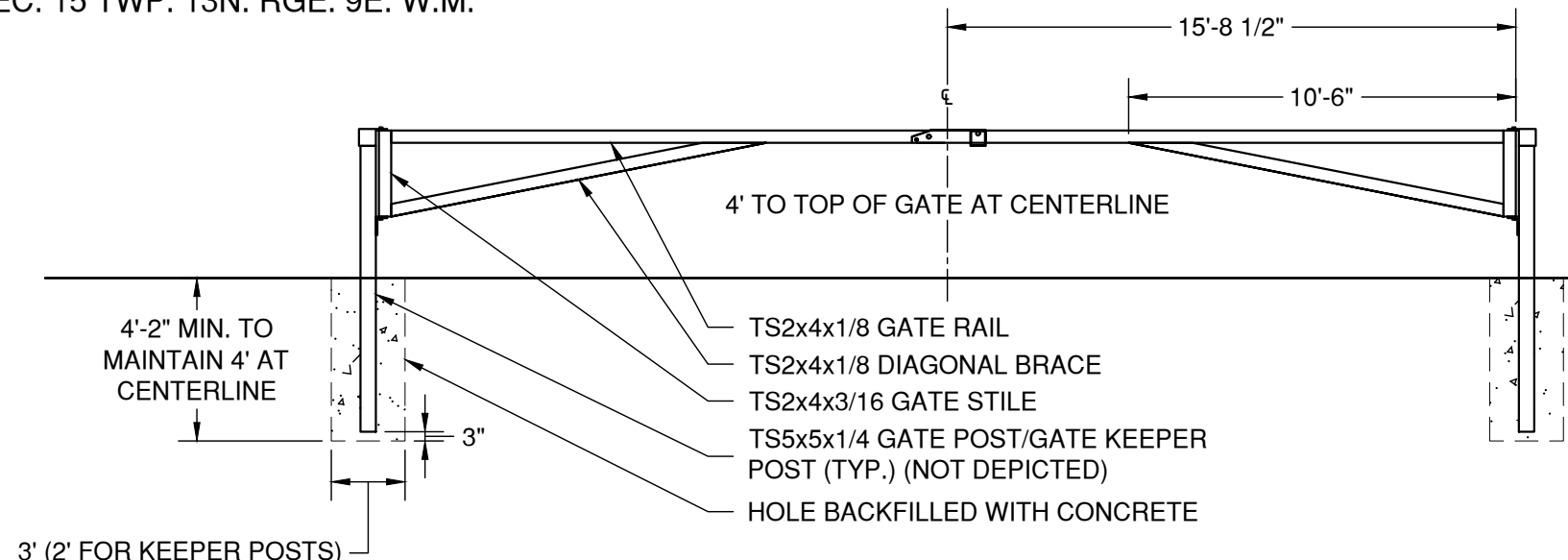
LAND LINES ARE APPROXIMATE

Planting Zone A - Riparian Mix 1 (8,958 SQ FT)						
Scientific Name	Common Name	Type	Size of Plants	Planting Density	Proportion of Planting in Strata	Number of Plants
<i>Thuja plicata</i>	Western Red Cedar	T	2 gal	10' O.C.	10%	9
<i>Acer macrophyllum</i>	Big-Leaf Maple	T	2 gal	10' O.C.	20%	18
<i>Alnus rubra</i>	Red Alder	T	2 gal	10' O.C.	20%	18
<i>Populus balsamifera</i>	Black Cottonwood	T	2 gal	10' O.C.	15%	13
<i>Pseudotsuga menziesii</i>	Douglas Fir	T	2 gal	10' O.C.	35%	31
<i>Acer circinatum</i>	Vine Maple	S	1 gal	5' O.C.	30%	105
<i>Rubus parviflorus</i>	Thimbleberry	S	1 gal	5' O.C.	30%	105
<i>Gaultheria shallon</i>	Salal	S	1 gal	5' O.C.	10%	27
<i>Oemleria cerasiformis</i>	Indian Plum	S	1 gal	5' O.C.	30%	104

Planting Zone B - Conifer Mix (3,157 SQ FT)						
Scientific Name	Common Name	Type	Size of Plants	Planting Density	Proportion of Planting in Strata	Number of Plants
<i>Pseudotsuga menziesii</i>	Douglas Fir	T	5 gal	18' O.C.	60%	6
<i>Thuja plicata</i>	Western Red Cedar	T	5 gal	18' O.C.	20%	2
<i>Abies grandis</i>	Grand Fir	T	5 gal	18' O.C.	20%	2

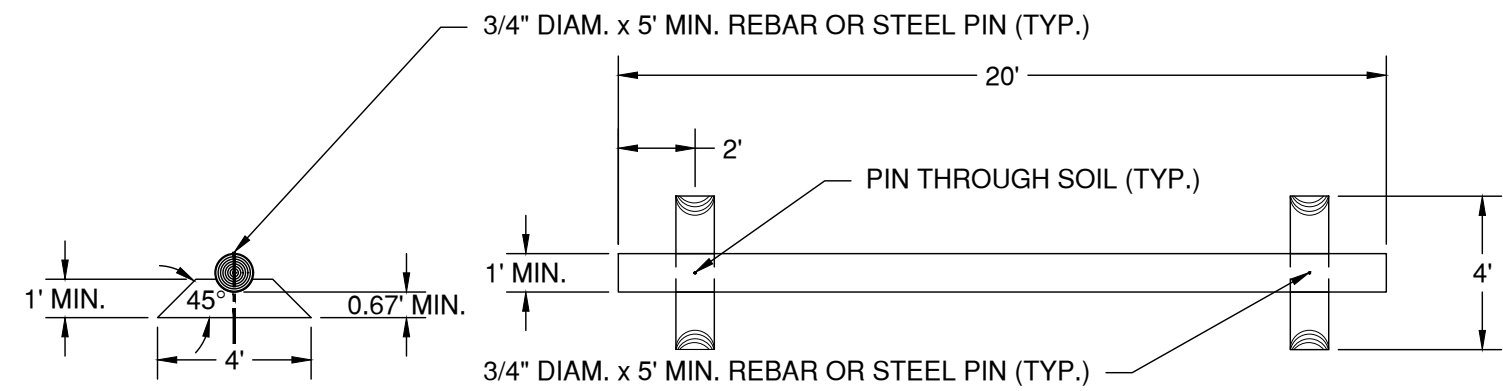
Planting Zone C - Riparian Mix 2 (1,720 SQ FT)						
Scientific Name	Common Name	Type	Size of Plants	Planting Density	Proportion of Planting in Strata	Number of Plants
<i>Acer macrophyllum</i>	Big-Leaf Maple	T	2 gal	15' O.C.	30%	2
<i>Alnus rubra</i>	Red Alder	T	2 gal	15' O.C.	40%	3
<i>Populus balsamifera</i>	Black Cottonwood	T	2 gal	15' O.C.	15%	1
<i>Pseudotsuga menziesii</i>	Douglas Fir	T	2 gal	15' O.C.	15%	1
<i>Symphoricarpos albus</i>	Snowberry	S	1 gal	8' O.C.	60%	16
<i>Acer circinatum</i>	Vine Maple	S	1 gal	8' O.C.	25%	7
<i>Rubus parviflorus</i>	Thimbleberry	S	1 gal	8' O.C.	15%	4

Riparian Hydroseeding Zone							
Scientific Name	Common Name	% by Weight	Seeds per lb. of Mix	Seeds per lb.	Actual % by Seed Size	Lbs. Needed	% Requested
<i>Pseudotsuga menziesii</i>	Douglas Fir	40%	15200	38000	19.48%	8.71	40%
<i>Abies grandis</i>	Grand Fir	25%	4362.5000	17450	5.59%	5.44	20%
<i>Mahonia nervosa</i>	Oregon Grape	15%	7170	47800	9.19%	3.27	5%
<i>Oemleria cerasiformis</i>	Indian Plum	11%	440	4000	0.56%	2.39	5%
<i>Sambucus nigra</i>	Blue Elderberry	6%	13008	216800	16.67%	1.31	10%
<i>Thuja plicata</i>	Western Red Cedar	2.50%	10350	414000	13.26%	0.54	10%
<i>Holodiscus discolor</i>	Oceanspray	0.25%	17000	6800000	21.79%	0.05	5%
<i>Gaultheria shallon</i>	Salal	0.25%	10500	4200000	13.46%	0.05	5%



ACCESS CONTROL GATE GENERAL LAYOUT
(SEE SPECIAL PROVISIONS)
SCALE: 1" = 5'

Permanent Signing Table					
Sign No.	Sign Size (In.)	Sign Name	Support	Location [(T) Trail, (R) Road]	Distance from Ground to Bottom of Sign
1	12 x 18	PARK BOUNDARY	Wood	R 10+42.9 53.5 RT	4'
2	12 x 18	PARK BOUNDARY	Wood	AS DIRECTED	4'
3	12 x 18	PARK BOUNDARY	Wood	AS DIRECTED	4'
4	12 x 18	PARK BOUNDARY	Wood	T 22+69.85 123.25 LT	4'
5	12 x 18	PARK BOUNDARY	Wood	T 22+59.74 82.15 LT	4'
6	12 x 18	PARK BOUNDARY	Wood	R 12+39.65 81.3 LT	4'
7	12 x 18	PARK BOUNDARY	Wood	R 15+45.5 51.75 LT	4'
8	12 x 18	PARK BOUNDARY	Wood	R 12+15.5 52.0 LT	4'
9	12 x 18	PARK BOUNDARY	Wood	R 11+75 62.0 LT	4'
10	12 x 18	PARK BOUNDARY	Wood	R 10+32.65 40.0 LT	4'
11	12 x 18	R7-8 RESERVED PARKING FOR PERSONS WITH DISABILITIES	Metal	R 12+82 89.25 LT	4'
12	12 x 18	R7-8 RESERVED PARKING FOR PERSONS WITH DISABILITIES	Metal	R 12+82 108.25 LT	4'
13	12 x 18	R7-8 RESERVED PARKING FOR PERSONS WITH DISABILITIES	Metal	R 12+82 116.25 LT	4'
14	30 x 24	R5-11 AUTHORIZED VEHICLES ONLY	Wood	R 13+39.56 56.5 RT	7'
15	30 x 24	R5-11 AUTHORIZED VEHICLES ONLY	Wood	T 20+10 10.0 RT	7'
16	12 x 18	END ADA ACCESSIBLE TRAIL	Wood	T 23+83.4 12.5 LT	7'
17	12 x 18	BOAT LAUNCH AREA	Wood	T 24+10 15.0 LT	7'
18	48 x 36	INTERPRETIVE SIGN	Kiosk Type A (See Note)	T 29+00 10.5 RT	Height per Detail Requirements, See Special Provisions for Sign Base Construction (By the Contractor)
19	36 x 24	INTERPRETIVE SIGN	Int. Type C (See Note)	As Directed	Height per Detail Requirements, See Special Provisions for Sign Base Construction (By the Contractor)
20	36 x 24	INTERPRETIVE SIGN	Int. Type C (See Note)	As Directed	Height per Detail Requirements, See Special Provisions for Sign Base Construction (By the Contractor)
21	30 x 12	PARK CLOSED AT DUSK	Metal at Gate Keeper Post	R 10+75 15.0 RT	7'
22	30 x 12	DO NOT BLOCK GATE	Metal at Gate Keeper Post	R 10+75 15.0 LT	7'



LOGS FOR VEHICLE DEMARCATON (LOGS) DETAIL
SCALE: 1" = 5'

NO.	DATE	REVISION	BY	APP.

